



# 2013

## CATALOG

LAMPS • BALLASTS • FIXTURES



LEDs | CFLs | Halogen | Cold Cathodes | HID Lamps | Linear Lamps & Ballasts  
LED Fixtures | Linear Fluorescent Fixtures | GU 24 and CFL Fixtures | Exit & Emergency

we know light.™

# TCP – Lighting the Way to Perfection

Lighting today has evolved a great deal from where it started over 100 years ago. Most bulbs look the same as they did way back then, and the rule was “the higher the wattage, the brighter the light.”

## It was pretty simple.

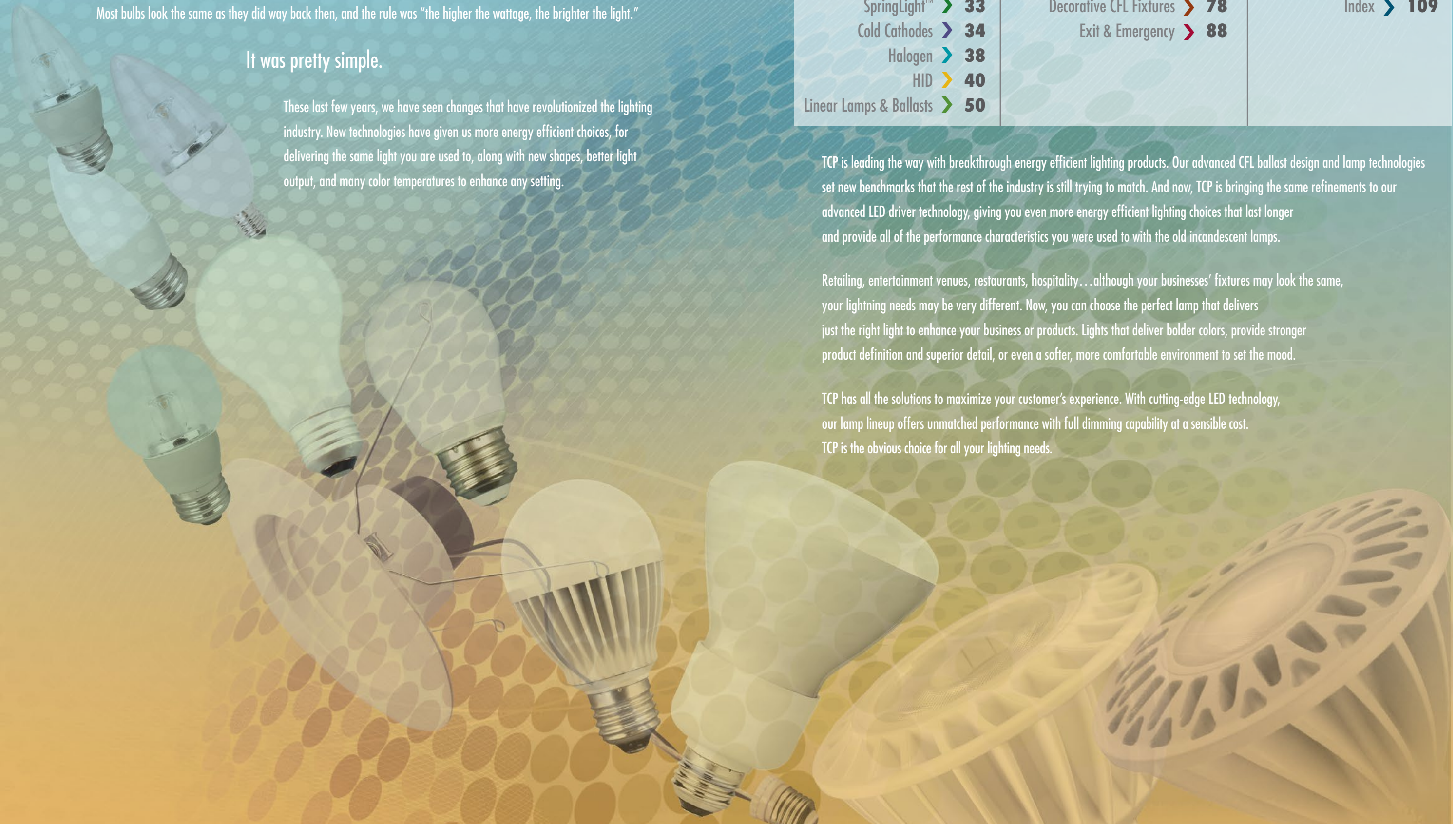
These last few years, we have seen changes that have revolutionized the lighting industry. New technologies have given us more energy efficient choices, for delivering the same light you are used to, along with new shapes, better light output, and many color temperatures to enhance any setting.

Lamps & Ballasts	Fixtures	Reference
LEDs > <b>2</b>	Linear Fluorescent Luminaires > <b>56</b>	Product Identification > <b>104</b>
CFLs > <b>14</b>	LED Fixtures > <b>74</b>	Glossary > <b>106</b>
SpringLight™ > <b>33</b>	Decorative CFL Fixtures > <b>78</b>	Index > <b>109</b>
Cold Cathodes > <b>34</b>	Exit & Emergency > <b>88</b>	
Halogen > <b>38</b>		
HID > <b>40</b>		
Linear Lamps & Ballasts > <b>50</b>		

TCP is leading the way with breakthrough energy efficient lighting products. Our advanced CFL ballast design and lamp technologies set new benchmarks that the rest of the industry is still trying to match. And now, TCP is bringing the same refinements to our advanced LED driver technology, giving you even more energy efficient lighting choices that last longer and provide all of the performance characteristics you were used to with the old incandescent lamps.

Retailing, entertainment venues, restaurants, hospitality... although your businesses' fixtures may look the same, your lightning needs may be very different. Now, you can choose the perfect lamp that delivers just the right light to enhance your business or products. Lights that deliver bolder colors, provide stronger product definition and superior detail, or even a softer, more comfortable environment to set the mood.

TCP has all the solutions to maximize your customer's experience. With cutting-edge LED technology, our lamp lineup offers unmatched performance with full dimming capability at a sensible cost. TCP is the obvious choice for all your lighting needs.



# LEDs



LED technology has ARRIVED!! Throw away anything else that you have been using and upgrade to LED lamps from TCP. Any application can be satisfied within the umbrella of our LED line of products. TCP's newest generation LED lamps utilizes our exclusive design, which provides unmatched performance, function and value. TCP expertly integrates the LED lighting element, lamp optics, lamp driver, and heat management, unmatched light output and functionality into a perfectly optimized light system.

## TCP has all the bases covered.



2013 brings exciting leaps forward for LED technology at TCP. For our PAR lineup, we introduce a powerful, 23W option for maximum light output. We also will be launching a lamp line specifically suited for wet locations. In addition, we also offer a series of economical, non-dimmable PARs in all temperatures.



With our MR16 line, we offer long lasting halogen replacements that are 80% more efficient.



Our All-purpose, LED A-Lamps offer an excellent solution to replace energy wasting incandescents, while lasting over 35,000 hours. Our A-Lamps produce light output in all directions to suit most applications!

Retrofitting to LED downlights has never been easier, thanks to our new all-in-one 5"/6" and 4" retrofit downlight kits. Perfect for applications that require fully integrated solution in one fixture.



And finally, TCP improves our Deco line by introducing 4 and now 5 watt versions with new, more efficient designs.

- 4W = 25W Incandescent Replacement
- 5W = 40W Incandescent Replacement



Available in B11 & G16, frosted and clear, medium and candelabra base.



# LED PARs MADE TO ORDER

Over 500 variations | Fast ROI | Long life (50,000 hours)



**ALWAYS IN STOCK** Call your TCP rep today. If it is not in stock, we'll assemble it in Aurora, Ohio. All TCP PARs assembled in Aurora, Ohio are made of components manufactured in China and Japan.

## Made To Order LED PAR LAMPS

TCP is pleased to offer LED PAR lamps with a 5 business day turn around.

Pick the lamp style:	Wattage	Replaces	Housing Color	Beam Angle	Color Temperature
PAR38	14W	65W	Black or White	15°, 25°, 40°	24K, 27K, 30K, 35K, 41K, 50K
	17W	90W			
	19W	120W			
PAR30 Long Neck	14W	75W	Black or White	15°, 25°, 40°	24K, 27K, 30K, 35K, 41K, 50K
PAR30 Short Neck	12W	60W	Black or White	25°, 40°	24K, 27K, 30K, 35K, 41K, 50K



Works with most incandescent standard dimmers and systems

PAR20 coming soon!

EXAMPLE: **LED17E26P3827KFLUS**

To order our Made To Order LED PAR Lamps, simply add "US" to the end of any TCP LED PAR Lamp item number.

### Housing Colors



TCP LED PAR lamps are available in white and black housings for that sophisticated look you want. When ordering black lamps, simply add "B" to end of lamp name. Ex. LED19E26P3827KFLB.

### Lens Angles



**15° Spot**  
LED with 15° spot lens is perfect for any application where you want to draw attention to specific items.

**25° Narrow Flood**  
Narrow floods draw attention in more subtle ways. These floods can be used along with different color temperatures to set different moods in the same room.

**40° Wide Flood**  
Highlighting a broader area helps customers see more detail.



**NEW FOR 2013!**

- 27W
- Wet Location
- Non Dimmable PAR Line

## PAR38, PAR30 & PAR20

### Features & Benefits

- Smooth, uniform dimming.
- Energy efficient: up to 80% less energy than standard halogen replacement.
- Many models are Energy Star® rated.
- Long life: designed for 50,000 hours (lasts at least 15 times longer than alternative)



Item Number	ENERGY STAR® Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTD	Case Quantity	Dimmable LED PAR Lamps	
<b>23W NON-DIMMABLE PAR38 (REPLACES 150W)</b>													
LED23E26PAR3827KSPND	Δ LED 23W PAR38 Spot - 2700K	120	23	1700	73.9	11517	15	2700	82	MTD	12		
LED23E26PAR3827KNFLND	Δ LED 23W PAR38 Narrow Flood - 2700K	120	23	1700	73.9	7198	25	2700	82	MTD	12		
LED23E26PAR3827KFLND	Δ LED 23W PAR38 Flood - 2700K	120	23	1700	73.9	2716	40	2700	82	MTD	12		
LED23E26PAR3830KSPND	Δ LED 23W PAR38 Spot - 3000K	120	23	1700	73.9	12518	15	3000	82	STK	12		
LED23E26PAR3830KNFLND	Δ LED 23W PAR38 Narrow Flood - 3000K	120	23	1700	73.9	7824	25	3000	82	STK	12		
LED23E26PAR3830KFLND	Δ LED 23W PAR38 Flood - 3000K	120	23	1700	73.9	2952	40	3000	82	STK	12		
LED23E26PAR3841KSPND	Δ LED 23W PAR38 Spot - 4100K	120	23	1700	73.9	13269	15	4100	82	MTD	12		
LED23E26PAR3841KNFLND	Δ LED 23W PAR38 Narrow Flood - 4100K	120	23	1700	73.9	8293	25	4100	82	MTD	12		
LED23E26PAR3841KFLND	Δ LED 23W PAR38 Flood - 4100K	120	23	1700	73.9	3130	40	4100	82	MTD	12		
<b>19W PAR38 DIMMABLE WET LOCATION (REPLACES 120W)</b>													
LED19E26PAR38W27KSP	Δ LED 19W WL PAR38 Spot - 2700K	120	19	1200	63.2	9220	15	2700K	82	STK	12		
LED19E26PAR38W27KNFL	Δ LED 19W WL PAR38 Narrow Flood - 2700K	120	19	1200	63.2	5763	25	2700K	82	STK	12		
LED19E26PAR38W27KFL	Δ LED 19W WL PAR38 Flood - 2700K	120	19	1200	63.2	2175	40	2700K	82	STK	12		
LED19E26PAR38W30KSP	Δ LED 19W WL PAR38 Spot - 3000K	120	19	1300	68.4	10022	15	3000K	82	STK	12		
LED19E26PAR38W30KNFL	Δ LED 19W WL PAR38 Narrow Flood - 3000K	120	19	1300	68.4	6264	25	3000K	82	STK	12		
LED19E26PAR38W30KFL	Δ LED 19W WL PAR38 Flood - 3000K	120	19	1300	68.4	2364	40	3000K	82	STK	12		
LED19E26PAR38W41KSP	Δ LED 19W WL PAR38 Spot - 4100K	120	19	1400	73.7	11224	15	4100K	82	STK	12		
LED19E26PAR38W41KNFL	Δ LED 19W WL PAR38 Narrow Flood - 4100K	120	19	1400	73.7	7015	25	4100K	82	STK	12		
LED19E26PAR38W41KFL	Δ LED 19W WL PAR38 Flood - 4100K	120	19	1400	73.7	2647	40	4100K	82	STK	12		

★ ENERGY STAR® Rated  
Δ In Testing



\*Not all CBCP data was available at time of printing. CBCP was estimated based on known photometry. Consult tcp.com for most current photometry and LM79 data.

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LED Lamps

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Dimmable LED PAR Lamps

Item Number	ENERGY STAR® Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
<b>19W PAR38 (REPLACES 120W)</b>											
LED19E26P3827KSP	LED 19W PAR38 Spot - 2700K	120	19	1300	58.1	8594	15	2700	82	MTO	12
LED19E26P3827KNFL	★ LED 19W PAR38 Narrow Flood - 2700K	120	19	1400	58.1	1702	25	2700	81	STK	12
LED19E26P3827KFL	★ LED 19W PAR38 Flood - 2700K	120	19	1300	58.1	2714	40	2700	81	STK	12
LED19E26P3830KSP	LED 19W PAR38 Spot - 3000K	120	19	1300	63.2	8324	15	3000	83	MTO	12
LED19E26P3830KNFL	★ LED 19W PAR38 Narrow Flood - 3000K	120	19	1350	63.2	6206	25	3000	82	STK	12
LED19E26P3830KFL	★ LED 19W PAR38 Flood - 3000K	120	19	1350	63.2	2765	40	3000	82	STK	12
LED19E26P3841KSP	LED 19W PAR38 Spot - 4100K	120	19	1272	66.9	10273	15	4100	82	MTO	12
LED19E26P3841KNFL	LED 19W PAR38 Narrow Flood - 4100K	120	19	1500	66.9	6421	25	4100	82	MTO	12
LED19E26P3841KFL	LED 19W PAR38 Flood - 4100K	120	19	1272	66.9	2423	40	4100	82	MTO	12
LED19E26P3850KSP	LED 19W PAR38 Spot - 5000K	120	19	1344	70.7	10854	15	5000	82	MTO	12
LED19E26P3850KNFL	LED 19W PAR38 Narrow Flood - 5000K	120	19	1344	70.7	6784	25	5000	82	MTO	12
LED19E26P3850KFL	LED 19W PAR38 Flood - 5000K	120	19	1344	70.7	2560	40	5000	82	MTO	12
<b>17W PAR38 (REPLACES 90W)</b>											
LED17E26P3827KSP	★ LED 17W PAR38 Spot - 2700K	120	17	950	56.8	7488	15	2700	83	MTO	12
LED17E26P3827KNFL	★ LED 17W PAR38 Narrow Flood - 2700K	120	17	950	56.8	5000	25	2700	82	STK	12
LED17E26P3827KFL	★ LED 17W PAR38 Flood - 2700K	120	17	950	56.8	2000	40	2700	82	STK	12
LED17E26P3830KSP	★ LED 17W PAR38 Spot - 3000K	120	17	1000	61.8	8028	15	3000	83	MTO	12
LED17E26P3830KNFL	★ LED 17W PAR38 Narrow Flood - 3000K	120	17	1050	61.8	5500	25	3000	85	STK	12
LED17E26P3830KFL	★ LED 17W PAR38 Flood - 3000K	120	17	1050	61.8	2000	40	3000	85	STK	12
LED17E26P3841KSP	★ LED 17W PAR38 Spot - 4100K	120	17	1050	65.5	7488	15	4100	86	MTO	12
LED17E26P3841KNFL	★ LED 17W PAR38 Narrow Flood - 4100K	120	17	1100	65.5	6487	25	4100	86	MTO	12
LED17E26P3841KFL	★ LED 17W PAR38 Flood - 4100K	120	17	1100	65.5	2427	40	4100	86	MTO	12
LED17E26P3850KSP	LED 17W PAR38 Spot - 5000K	120	17	1176	69.2	9498	15	5000	82	MTO	12
LED17E26P3850KNFL	LED 17W PAR38 Narrow Flood - 5000K	120	17	1200	69.2	7549	25	5000	82	MTO	12
LED17E26P3850KFL	LED 17W PAR38 Flood - 5000K	120	17	1200	69.2	2452	40	5000	82	MTO	12
<b>14W PAR38 (REPLACES 65W)</b>											
LED14E26P3827KSP	LED 14W PAR38 Spot - 2700K	120	14	782	55.9	6316	15	2700K	82	STK	12
LED14E26P3827KNFL	LED 14W PAR38 Narrow Flood - 2700K	120	14	850	55.9	3947	25	2700K	82	STK	12
LED14E26P3827KFL	LED 14W PAR38 Flood - 2700K	120	14	850	55.9	1490	40	2700K	82	MTO	12
LED14E26P3830KSP	LED 14W PAR38 Spot - 3000K	120	14	950	60.7	6865	15	3000K	82	STK	12
LED14E26P3830KNFL	LED 14W PAR38 Narrow Flood - 3000K	120	14	950	60.7	4290	25	3000K	82	STK	12
LED14E26P3830KFL	LED 14W PAR38 Flood - 3000K	120	14	900	60.7	1619	40	3000K	82	MTO	12
LED14E26P3841KSP	LED 14W PAR38 Spot - 4100K	120	14	901	64.4	7277	15	4100K	82	MTO	12
LED14E26P3841KNFL	LED 14W PAR38 Narrow Flood - 4100K	120	14	901	64.4	4548	25	4100K	82	MTO	12
LED14E26P3841KFL	LED 14W PAR38 Flood - 4100K	120	14	901	64.4	1716	40	4100K	82	MTO	12
LED14E26P3850KSP	LED 14W PAR38 Spot - 5000K	120	14	952	68.0	7689	15	5000K	82	MTO	12
LED14E26P3850KNFL	LED 14W PAR38 Narrow Flood - 5000K	120	14	952	68.0	4805	25	5000K	82	MTO	12
LED14E26P3027KSP	LED 14W PAR30 Spot - 2700K	120	14	782	55.9	5520	15	2700	82	MTO	12

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\*Not all CBCP data was available at time of printing. CBCP was estimated based on known photometry. Consult tcpi.com for most current photometry and LM79 data.



Dimmable LED PAR Lamps

Item Number	ENERGY STAR® Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	*CBCP	Beam Angle	CCT	CRI	STK/MTO	Case Quantity
<b>PAR30 LONG NECK (REPLACES 75W)</b>											
LED14E26P3027KSP	★ LED 14W PAR30 Spot - 2700K	120	14	820	55.9	6448	15	2700	82	MTO	12
LED14E26P3027KNFL	★ LED 14W PAR30 Narrow Flood - 2700K	120	14	820	55.9	5200	25	2700	82	STK	12
LED14E26P3027KFL	★ LED 14W PAR30 Flood - 2700K	120	14	820	55.9	1800	40	2700	82	STK	12
LED14E26P3030KSP	★ LED 14W PAR30 Spot - 3000K	120	14	850	60.7	6341	15	3000	83	MTO	12
LED14E26P3030KNFL	★ LED 14W PAR30 Narrow Flood - 3000K	120	14	900	60.7	6465	25	3000	82	STK	12
LED14E26P3030KFL	★ LED 14W PAR30 Flood - 3000K	120	14	850	60.7	2125	40	3000	82	STK	12
LED14E26P3041KSP	★ LED 14W PAR30 Spot - 4100K	120	14	900	64.3	6597	15	4100	86	MTO	12
LED14E26P3041KNFL	★ LED 14W PAR30 Narrow Flood - 4100K	120	14	950	64.3	6867	25	4100	82	MTO	12
LED14E26P3041KFL	★ LED 14W PAR30 Flood - 4100K	120	14	950	64.3	2011	40	4100	85	MTO	12
LED14E26P3050KSP	LED 14W PAR30 Spot - 5000K	120	14	950	67.9	6720	15	5000	82	MTO	12
LED14E26P3050KNFL	LED 14W PAR30 Narrow Flood - 5000K	120	14	950	67.9	4200	25	5000	82	MTO	12
LED14E26P3050KFL	LED 14W PAR30 Flood - 5000K	120	14	950	67.9	1568	40	5000	82	MTO	12
<b>PAR30 SHORT NECK (REPLACES 60W)</b>											
LED12E26P30S27KSP	★ LED 12W PAR30 SN Spot - 2700K	120	12	750	50.0	5496	15	2700	82	MTO	12
LED12E26P30S27KNFL	★ LED 12W PAR30 SN Narrow Flood - 2700K	120	12	700	50.0	4953	25	2700	82	STK	12
LED12E26P30S27KFL	★ LED 12W PAR30 SN Flood - 2700K	120	12	700	50.0	1915	40	2700	82	STK	12
LED12E26P30S30KSP	★ LED 12W PAR30 SN Spot - 3000K	120	12	750	54.2	4588	15	3000	83	MTO	12
LED12E26P30S30KNFL	★ LED 12W PAR30 SN Narrow Flood - 3000K	120	12	750	54.2	4843	25	3000	83	STK	12
LED12E26P30S30KFL	★ LED 12W PAR30 SN Flood - 3000K	120	12	700	54.2	1982	40	3000	85	STK	12
LED12E26P30S41KSP	★ LED 12W PAR30 SN Spot - 4100K	120	12	800	57.5	6711	15	4100	83	MTO	12
LED12E26P30S41KNFL	★ LED 12W PAR30 SN Narrow Flood - 4100K	120	12	850	57.5	5160	25	4100	84	MTO	12
LED12E26P30S41KFL	★ LED 12W PAR30 SN Flood - 4100K	120	12	800	57.5	1989	40	4100	86	MTO	12
LED12E26P30S50KSP	LED 12W PAR30 SN Spot - 5000K	120	12	728	60.7	5148	15	5000	82	MTO	12
LED12E26P30S50KNFL	LED 12W PAR30 SN Narrow Flood - 5000K	120	12	850	60.7	5578	25	5000	84	MTO	12
LED12E26P30S50KFL	LED 12W PAR30 SN Flood - 5000K	120	12	728	60.7	1201	40	5000	82	MTO	12
<b>PAR20 (REPLACES 50W)</b>											
LED9E26P2027KNFL	★ LED 9W PAR20 Narrow Flood - 2700K	120	9	450	51.1	1700	25	2700	85	STK	12
LED9E26P2027KFL	★ LED 9W PAR20 Flood - 2700K	120	9	450	51.1	1100	40	2700	85	STK	12
LED9E26P2030KNFL	★ LED 9W PAR20 Narrow Flood - 3000K	120	9	500	55.6	1800	25	3000	85	STK	12
LED9E26P2030KFL	★ LED 9W PAR20 Flood - 3000K	120	9	500	55.6	1168	40	3000	82	STK	12
LED9E26P2041KNFL	★ LED 9W PAR20 Narrow Flood - 4100K	120	9	500	58.9	1766	25	4100	87	STK	12
LED9E26P2041KFL	★ LED 9W PAR20 Flood - 4100K	120	9	550	58.9	1461	40	4100	86	STK	12
LED9E26P2050KNFL	LED 9W PAR20 Narrow Flood - 5000K	120	9	560	62.2	2520	25	5000	82	MTO	12
LED9E26P2050KFL	LED 9W PAR20 Flood - 5000K	120	9	560	62.2	918	40	5000	82	MTO	12

★ ENERGY STAR® Rated



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Dimmable LED PAR Lamps

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LED Lamps

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**LED MR16**  
**Dimmable LED A-Lamps**

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	CBCP est.	Beam Angle	CRI	Case Quantity
<b>120V PAR16 (35W REPLACEMENT)</b>										
LED7E26PAR1627KNFL	★	LED 7W PAR16 Narrow Flood (20 degree) - 2700K	120	7	350	50.7	1595	20	84	12
LED7E26PAR1627KFL		LED 7W PAR16 Flood (40 degree) - 2700K	120	7	340	50.7	800	40	82	12
LED7E26PAR1630KNFL		LED 7W PAR16 Narrow Flood (20 degree) - 3000K	120	7	350	52.2	2300	20	82	12
LED7E26PAR1630KFL		LED 7W PAR16 Flood (40 degree) - 3000K	120	7	350	52.2	800	40	82	12
LED7E26PAR1641KNFL		LED 7W PAR16 Narrow Flood (20 degree) - 4100K	120	7	370	55.2	2300	20	82	12
LED7E26PAR1641KFL		LED 7W PAR16 Flood (40 degree) - 4100K	120	7	370	55.2	800	40	82	12
<b>12V MR16 (35W REPLACEMENT)</b>										
LED7MR1627KNFL		LED 7W 12V MR16 Narrow Flood (20 degree) - 2700K	12	7	340	56.7	2300	20	82	12
LED7MR1627KFL		LED 7W 12V MR16 Flood (40 degree) - 2700K	12	7	340	56.7	800	40	82	12
LED7MR1630KNFL		LED 7W 12V MR16 Narrow Flood (20 degree) - 3000K	12	7	350	58.3	2300	20	82	12
LED7MR1630KFL		LED 7W 12V MR16 Flood (40 degree) - 3000K	12	7	350	58.3	800	40	82	12
LED7MR1641KNFL		LED 7W 12V MR16 Narrow Flood (20 degree) - 4100K	12	7	370	61.7	2300	20	82	12
LED7MR1641KFL		LED 7W 12V MR16 Flood (40 degree) - 4100K	12	7	370	61.7	800	40	82	12
<b>120V GU10 (35W REPLACEMENT)</b>										
LED7GU10MR1627KNFL		LED 7W GU10 MR16 Narrow Flood (20 degree) - 2700K	120	7	340	50.7	2300	20	82	12
LED7GU10MR1627KFL		LED 7W GU10 MR16 Flood (40 degree) - 2700K	120	7	340	50.7	800	40	82	12
LED7GU10MR1630KNFL		LED 7W GU10 MR16 Narrow Flood (20 degree) - 3000K	120	7	350	52.2	2300	20	82	12
LED7GU10MR1630KFL		LED 7W GU10 MR16 Flood (40 degree) - 3000K	120	7	350	52.2	800	40	82	12
LED7GU10MR1641KNFL		LED 7W GU10 MR16 Narrow Flood (20 degree) - 4100K	120	7	370	55.2	2300	20	82	12
LED7GU10MR1641KFL		LED 7W GU10 MR16 Flood (40 degree) - 4100K	120	7	370	55.2	800	40	82	12

★ ENERGY STAR® Rated

**5 YEAR WARRANTY** \*Based on 12 hours use per day



**LED Dimmable MR16 lamps**  
**Features & Benefits**

- 80% more energy efficient than halogen
- Replaces 35W halogen
- Solutions for 12V, GU10, Medium base
- Excellent CBCP and beam quality
- Last at least 12 times longer than halogen
- ROI < 1 year
- Exceptional Dimming – same as halogen from 100 – 5%



**3 YEAR WARRANTY**

**Dimmable LED BR Lamps**

Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Lumens	Lumens Per Watt	CCT	CRI	STK/MTO	Case Quantity
<b>BR30 (11W REPLACES 65W, 14W REPLACES 85W)</b>										
LED11E26BR3027K	★	LED 11W BR30 Flood - 2700K	120	11	750	59.1	2700K	82	STK	12
LED11E26BR3030K	★	LED 11W BR30 Flood - 3000K	120	11	650	61.4	3000K	83	STK	12
LED11E26BR3041K	★	LED 11W BR30 Flood - 4100K	120	14	725	65.0	4100K	87	STK	12
LED14E26BR3027K	★	LED 14W BR30 Flood - 2700K	120	14	850	60.7	2700K	82	STK	12
LED14E26BR3030K	★	LED 14W BR30 Flood - 3000K	120	14	850	62.5	3000K	85	STK	12
LED14E26BR3041K		LED 14W BR30 Flood - 4100K	120	14	925	66.3	4100K	82	STK	12
<b>BR40 (11W REPLACES 65W, 14W REPLACES 85W, 18W REPLACES 120W)</b>										
LED11E26BR4027K	★	LED 11W BR40 Flood - 2700K	120	11	650	59.1	2700K	82	STK	12
LED11E26BR4030K	★	LED 11W BR40 Flood - 3000K	120	11	700	61.4	3000K	82	STK	12
LED11E26BR4041K	★	LED 11W BR40 Flood - 4100K	120	11	725	65.0	4100K	87	STK	12
LED14E26BR4027K	★	LED 14W BR40 Flood - 2700K	120	14	850	60.7	2700K	82	STK	12
LED14E26BR4030K	★	LED 14W BR40 Flood - 3000K	120	14	900	62.5	3000K	84	STK	12
LED14E26BR4041K		LED 14W BR40 Flood - 4100K	120	14	1000	66.3	4100K	84	STK	12
<b>NEW!</b> LED18E26BR4027K	△	LED 18W BR40 Flood - 2700K	120	18	1200	66.7	2700K	82	STK	12
<b>NEW!</b> LED18E26BR4030K	△	LED 18W BR40 Flood - 3000K	120	18	1300	66.7	3000K	82	STK	12
<b>NEW!</b> LED18E26BR4041K	△	LED 18W BR40 Flood - 4100K	120	18	1400	66.7	4100K	82	STK	12
<b>R20 (REPLACES 50W)</b>										
LED9E26R2027K	★	LED 9W R20 Flood - 2700K	120	9	500	50.0	2700K	82	STK	12
LED9E26R2030K	★	LED 9W R20 Flood - 3000K	120	9	500	52.8	3000K	82	STK	12
LED9E26R2041K	★	LED 9W R20 Flood - 4100K	120	9	550	55.6	4100K	86	STK	12

★ ENERGY STAR® Rated  
△ In Testing

**5 YEAR WARRANTY** \*Based on 12 hours use per day

**NEW FOR 2013!**

**18W BR40 replaces 120w Incandescent!**

**LED BR30 & BR40**

**Features & Benefits**

- 65W & 85W BR30/BR40 & 50W R20 replacement.
- Exceeds all industry standards – many models ENERGY STAR Rated.
- Smooth, uniform dimming from 100% - 0.5% for BR30/BR40.
- Highly efficient LEDs and Driver.
- Long Life: 25,000 hours.
- Consistent color within 3 MacAdam ellipse tolerance.
- UL approved for damp locations.



Recessed Downlights											
Item Number	ENERGY STAR®	Item Description	Incandescent Comparison (Watts)	Voltage	Lamp Watts	Lamp Replacement	Lumens	Lumens Per Watt	CCT	CRI	Case Quantity
<b>6" RECESSED DOWNLIGHTS (12W REPLACES 65W, 14W REPLACES 85W, 10W REPLACES 50W)</b>											
LED12DR5627K	Δ	LED 12W 5 5/8" Recessed Downlight - 2700K		120	12	65	650	54.2	2700K	82	6
LED14DR5627K	Δ	LED 14W 5 5/8" Recessed Downlight - 2700K		120	14	85	800	57.1	2700K	82	6
LED12DR5630K	Δ	LED 12W 5 5/8" Recessed Downlight - 3000K		120	12	65	670	55.8	3000K	82	6
LED14DR5630K	Δ	LED 14W 5 5/8" Recessed Downlight - 3000K		120	14	85	820	58.6	3000K	82	6
<b>4" RECESSED DOWNLIGHTS (12W REPLACES 65W, 14W REPLACES 85W, 10W REPLACES 50W)</b>											
LED10DR427K	Δ	LED 10W 4" Recessed Downlight - 2700K		120	10	50	600	60.0	2700K	82	6
LED10DR430K	Δ	LED 10W 4" Recessed Downlight - 3000K		120	10	50	650	65.0	3000K	82	6



★ ENERGY STAR® Rated  
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### LED Dimmable Recessed Retrofits

#### Features & Benefits

- DR56 is ideal for replacing dimmable 65W and 85W incandescent alternatives in 5 5/8" recessed cans. DR4 unit ideal for replacing 50W incandescent alternatives in a 4" recessed can.
- Many models ENERGY STAR rated.
- Smooth, uniform dimming.
- Highly efficient LEDs and Driver.
- Long Life: 35,000 hours.
- Consistent color within 3 MacAdam ellipse tolerance.
- UL approved for damp locations.



Dimmable All Purpose A-Lamps																
Item Number	ENERGY STAR®	Item Description	Voltage	Lamp Watts	Incandescent Comparison (Watts)	Lumens	LPW	CCT	CRI	STK/MTD	Case Quantity					
<b>LED SMOOTH A-LAMPS, 7W</b>																
LED7E26SA1927K	Δ	LED Smooth 7W A-LAMP - 2700K	120	7	40	450	64.3	2700K	82	STK	12					
LED7E26SA1930K	Δ	LED Smooth 7W A-LAMP - 3000K	120	7	40	475	67.9	3000K	82	STK	12					
LED7E26SA1941K	Δ	LED Smooth 7W A-LAMP - 4100K	120	7	40	500	71.4	4100K	82	STK	12					
LED7E26SA1950K	Δ	LED Smooth 7W A-LAMP - 5000K	120	7	40	530	75.7	5000K	82	STK	12					
<b>LED SMOOTH A-LAMPS, 11W</b>																
LED11E26SA1927K	Δ	LED Smooth 11W A-LAMP - 2700K	120	11	60	800	72.7	2700K	82	STK	12					
LED11E26SA1930K	Δ	LED Smooth 11W A-LAMP - 3000K	120	11	60	825	75.0	3000K	82	STK	12					
LED11E26SA1941K	Δ	LED Smooth 11W A-LAMP - 4100K	120	11	60	850	77.3	4100K	82	STK	12					
LED11E26SA1950K	Δ	LED Smooth 11W A-LAMP - 5000K	120	11	60	900	81.8	5000K	82	STK	12					
<b>LED A19 SC - "SNOW CONE" VERSION, 8W</b>																
LED8E26A1927K	★	LED 8W A-LAMP - 2700K	120	8	40	450	56.3	2700	81	STK	12					
LED8E26A1930K	★	LED 8W A-LAMP - 3000K	120	8	40	470	56.3	3000	82	STK	12					
LED8E26A1941K	★	LED 8W A-LAMP - 4100K	120	8	40	540	56.3	4100	86	STK	12					
LED8E26A1950K		LED 8W A-LAMP - 5000K	120	8	40	500	56.3	5000	82	STK	12					
<b>LED A19 SC - "SNOW CONE" VERSION, 12W</b>																
LED12E26A1927K	★	LED 12W A-LAMP - 2700K	120	12	60	800	64.5	2700	82	STK	12					
LED12E26A1930K	★	LED 12W A-LAMP - 3000K	120	12	60	850	64.5	3000	81	STK	12					
LED12E26A1941K	★	LED 12W A-LAMP - 4100K	120	12	60	850	68.4	4100	85	STK	12					
LED12E26A1950K		LED 12W A-LAMP - 5000K	120	12	60	896	72.3	5000	82	STK	12					

★ ENERGY STAR® Rated  
Δ In Testing



### LED A Lamps

#### Features & Benefits

- High Efficiency A-Lamp (40W, 60W, 75W replacements)
- Light Output in all directions to suit many applications.
- Consistent white frosted cover - no obstructions, shadows, or non-standard colors. Looks like incandescent in all applications.
- Follows A19/A21 ANSI construction requirements - fits in all applications.
- Available in 2700K, 3000K, 4100K, 5000K



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LED Lamps

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### Dimmable LED Deco Lamps



Item Number	ENERGY STAR® Item Description	Voltage	Lamp Watts	Incandescent Comparison (Watts)	Lumens	LPW	CCT	CRI	STK/MTO	Case Quantity
<b>LED DIMMABLE DECO LAMPS, 5W</b>										
LED5E12B1127K LED4E12B1127K	△ LED 5W DIMMABLE CANDELABRA BLUNT TIP - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E26B1127K	△ LED 5W DIMMABLE BLUNT TIP - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E12B1127KF LED4E26B1127K	△ LED 5W DIMMABLE CANDELABRA FROSTED BLUNT TIP - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E26B1127KF	△ LED 5W DIMMABLE FROSTED BLUNT TIP - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E12G1627K	△ LED 5W DIMMABLE CANDELABRA G16 GLOBE - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E26G1627K	△ LED 5W DIMMABLE G16 GLOBE - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E12G1627KF LED4E12B1127KF	△ LED 5W DIMMABLE CANDELABRA FROSTED G16 GLOBE - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
LED5E26G1627KF	△ LED 5W DIMMABLE FROSTED G16 GLOBE - 2700K	120	5.0	40W	300	60.0	2700K	82	STK	12
<b>LED DIMMABLE DECO LAMPS, 4W</b>										
LED5E12G1627K LED4E12G1627K	△ LED 4W DIMMABLE CANDELABRA BLUNT TIP - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E26B1127K	△ LED 4W DIMMABLE BLUNT TIP - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E12B1127KF LED4E26G1627K	△ LED 4W DIMMABLE CANDELABRA FROSTED BLUNT TIP - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E26B1127KF	△ LED 4W DIMMABLE FROSTED BLUNT TIP - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E12G1627K	△ LED 4W DIMMABLE CANDELABRA G16 GLOBE - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E26G1627K	△ LED 4W DIMMABLE G16 GLOBE - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E12G1627KF LED4E26G1627K	△ LED 4W DIMMABLE CANDELABRA FROSTED G16 GLOBE - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12
LED4E26G1627KF	△ LED 4W DIMMABLE FROSTED G16 GLOBE - 2700K	120	4.0	25W	200	50.0	2700K	82	STK	12

★ ENERGY STAR® Rated  
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### LED Dimmable Deco NEW DESIGN!

#### Features & Benefits

- Replaces 25W and 40W Incandescent.
- 80% energy savings.
- Uniform and smooth dimming – perfect for chandeliers.
- UL damp location rated – perfect for outdoor light fixtures.

4W = 25W Incandescent Equivalent  
5W = 40W Incandescent Equivalent



#### Applications

- Accent and decorative lighting
- Chandeliers
- Ceiling fans
- Indoor/outdoor fixtures



### Elevator Lamps

Item Number	Item Description	Lamp Watts	Voltage	MOL/Height (Inches)	Diameter	CCT	Lumens	Base Type	STK or SPC	Case Quantity
<b>LED 12V ELEVATOR LAMPS – 25,000 HOURS</b>										
LE2W1383	LED 2W 1383 elevator lamp (single contact)	2.2	12 VAC/DC	2.5	1.5	3000K	100	BA15S	STK	12
LE2WGBF	LED 2W GBF elevator lamp (double contact)	2.2	12 VAC/DC	1.75	1.5	3000K	100	BA15D	STK	12
LEF2W1383	LED Frosted 2W 1383 elevator lamp (single contact)	2.2	12 VAC/DC	2.5	1.5	3000K	80	BA15S	STK	12
LEF2WGBF	LED Frosted 2W GBF elevator lamp (double contact)	2.2	12 VAC/DC	1.75	1.5	3000K	80	BA15D	STK	12



# LED Warranty

### LIMITED WARRANTY

This TCP product is warranted for the period, as specified in each product section of this catalogue, from the date of purchase against defects in material and workmanship. If this product should fail to operate due to defects in material or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Drive, Aurora, OH 44202) along with the original sales receipt within the number of years of purchase, as specified in each product section. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

\*All data in this catalog is subject to change without notice.

**STK (Stock):** Items marked STK are stocked in TCP's warehouse.

**SPC (Special):** Items marked SPC are not stocked in TCP's warehouse. These items have longer lead times than stocked (STK) items.

**MTO (Made to Order):** All items marked MTO require a one-two week lead time.

Contact our Customer Service department at 800-324-1496 for additional details.





# TruDim™ Technology by TCP

# CFLs

Technology by TCP

TCP's **Tru Family** features Integrated Circuit Technology for high performance, function and long life.

TCP is the world leader in the innovation and manufacture of CFLs. We continue to develop CFL technology to insure our customers have the best selection of quality, performance and function in the CFL category.

**Applications:**  
Use CFLs anywhere – applications are endless!

## CFLs

### FEATURES / BENEFITS

- Integrated circuit technology for high performance and function.
- Large selection of form structures and wattages to fit all your applications.
- Effective sizes to fit in as many sockets as possible.
- Long life from 6,000 to 20,000 hours.
- Excellent lumen maintenance over the life of the product.
- Vertical integration controls the whole process from manufacture to your socket.

### PRO SERIES



T2 Full Springs    489 Series Full Springs    InstaBright™ G2 with ArmorCoat



**TruStart™**  
Technology by TCP



**TruDim™**  
Technology by TCP



Decorative



A-Lamps



Globes



Flat Pars



Circlines



Floods



GU Base



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# PRO SERIES

Contact Customer Service for inventory availability and special orders.

## Specialty lighting application options

Please call or check inventory to confirm availability.

OPTION	ORDER SUFFIX	AVAILABLE FOR:
<b>3000K</b> ● White	30K	SpringLamp Series 489, 401, 501 28968(H)(277), GU Floodlight 4R, PF, GU Decorative 4G, 413, GU
<b>3100K</b> ●	31K	SpringLamp Series 289, 182 PL Lamps T6 Circline Floodlight 1R, 2R, 1P, 2P Decorative 1G, 2G, 1T, 113, 213, 107
<b>3500K</b> ● Bright White	35K	SpringLamp Series 489, 4T2, 401, 501 28968(H)(277), PL Lamps T6 Circline Floodlight 4R, PF, 1R, 2R, 1P, 2P, GU Decorative 4G, 413, 1G, 2G, 1T, 113, 213,
<b>4100K</b> ● Cool White	41K	SpringLamp Series 489, 4T2, 401, 501 28968(H)(277), PL Lamps T6 Circline Floodlight 4R, PF, 1R, 2R, 1P, 2P, GU Decorative 4G, 413, 1G, 2G, 1T, 113, 213,
<b>5000K</b> ● Daylight	50K	SpringLamp Series 489, 4T2, 401, 501 28968(H)(277), GU PL Lamps Floodlight 4R, PF, GU Decorative 4G, 413, GU
<b>5100K</b> ●	51K	SpringLamp Series 289, 182 T6 Circline Floodlight 1R, 2R, 1P, 2P Decorative 1G, 2G, 1T, 113, 213, 107
<b>6500K</b> ●	65K	SpringLamp Series 489, 401, 289, 182, 501 T6 Circline Floodlight 1R, 2R, PF, 1P, 2P, GU, 4R, PF Decorative 1G, 2G, 1T, 113, 213, 107, GU,
<b>Full Spectrum</b> 	FS	SpringLamp Series 48913, 48923, 48927
<b>Pink</b> ●	P	SpringLamp Series 48913 Floodlight 2R3016
<b>Yellow</b> ●	Y	SpringLamp Series 48913, 48918 Decorative 21314, 8A05, 8A08
<b>Green • Blue • Red</b> ● ● ●	GR BL RD	SpringLamp Series 48913 Flat Pars PF3823 Decorative 8A05, 8A08
<b>Shatter Resistant</b>	SS	SpringLamp Series 489, 580, 289, 182, 501 PL Lamps Floodlight 1R, 2R, 4R 1P, 2P, PF
<b>Wet Location</b>	WL	SpringLamp Series 489, 580

Minimum requirements apply for all special order items.

### Application Notes:

**Recessed Cans:**  
Up to 23w non-dimmable Springlamps are UL approved for totally enclosed recessed cans. 27w and 32w Springlamps can be used in open recessed cans. Do not use a 42w or 68w in any type of recessed can. Do not use a covered CFL in a totally enclosed recessed can. Up to 23w dimmable springlamp can be used in an open recessed can.

**Surface Mount Fixtures:**  
If a fixture is rated for incandescents choose an equivalent CFL based on specified incandescent wattage, see tables in catalog or spec sheets for equivalent recommendations. Do not use more than 2 CFLs up to 23w in any type of enclosed surface mount fixture. Do not use more than 1 CFL 27w and 32w in any type of enclosed surface mount fixture minimum 12" in diameter. Do not use a 42w or 68w CFL in any type of enclosed surface mount fixture.

**Dimmables:**  
See TruDim spec sheet for recommended dimmers and applications for dimmable CFLs. Any questions please consult dimmer manufacturer or TCP Customer Service/Technical.

**Outdoor use:**  
Unless specified otherwise, CFLs can generally be used in enclosed outdoor weatherproof fixtures. Most covered CFLs are wet location rated in the base up position only, horizontal or base down is not wet location rated.

**Photocells and other devices:**  
Do not use any type of CFLs on devices that do not meet UL20 Sec. 7.6.15. Check with device manufacturer for compliance.

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOH/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity	TCP Pro Series
<b>TCP PRO SERIES T3 FULL SPRINGLAMPS, NPF, 12,000 HOUR</b>												
48909	★	9 Watt Full SpringLamp	9	40	600	2700	82	3.6	1.8	E26	12	
48909C	★	9 Watt Full SpringLamp, E12	9	40	600	2700	82	3.5	1.8	E12	12	
48913	★	13 Watt Full SpringLamp	13	60	925	2700	82	3.9	1.8	E26	12	
48913C	★	13 Watt Full SpringLamp, E12	13	60	925	2700	82	3.8	1.8	E12	12	
48918	★	18 Watt Full SpringLamp	18	75	1300	2700	82	4.0	2.4	E26	12	
48923	★	23 Watt Full SpringLamp	23	100	1650	2700	82	4.4	2.4	E26	12	
48927	★	27 Watt Full SpringLamp	27	100	1850	2700	82	5.1	2.4	E26	12	
48932		32 Watt Full SpringLamp	32	125	2150	2700	82	5.1	2.7	E26	12	
48942		42 Watt Full SpringLamp	42	150	2850	2700	82	5.7	2.7	E26	12	
Also available in: 30K, 35K, 41K, 50K, 65K												
<b>TCP PRO SERIES T2 FULL SPRINGLAMPS, NPF, 12,000 HOUR</b>												
4T209	★	9 Watt T2 Full SpringLamp	9	40	550	2700	82	3.3	1.5	E26	12	
4T213	★	13 Watt T2 Full SpringLamp	13	60	825	2700	82	3.6	1.5	E26	12	
4T213C		13 Watt T2 Full SpringLamp E12	13	60	825	2700	82	3.5	1.5	E12	12	
4T213I		13 Watt T2 Full SpringLamp E17	13	60	825	2700	82	3.5	1.5	E17	12	
4T218		18 Watt T2 Full SpringLamp	18	75	1200	2700	82	4.2	2.0	E26	12	
4T223	★	23 Watt T2 Full SpringLamp	23	100	1625	2700	82	4.5	2.0	E26	12	
Also available in: 30K, 35K, 41K & 50K												
<b>TCP PRO SERIES DIMMABLE FULL SPRINGLAMPS, HPF, 10,000 HOUR</b>												
40114	★	14 Watt Dimmable Full Spring	14	60	850	2700	82	4.4	2.0	E26	12	
40123	★	23 Watt Dimmable Full Spring	23	100	1500	2700	82	4.9	2.4	E26	12	
Also available in: 30K, 35K, 41K, 50K, 65K												
<b>TCP PRO SERIES DIMMABLE COVERED LAMPS, HPF, 8,000 HOUR</b>												
2R3016DIM	★	16 Watt R30 Dimmable	16	65	650	2700	82	5.4	3.7	E26	12	
Also available in: 30K, 35K, 41K, 50K, 65K												

\* Dimmable lamps designed specifically for use with standard non-illuminated 60 watt incandescent slide or rotary dimmer. Consult TCP Technical Support or dimmer manufacturer for compatibility with other dimmer types.

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Compact Fluorescent Lamps

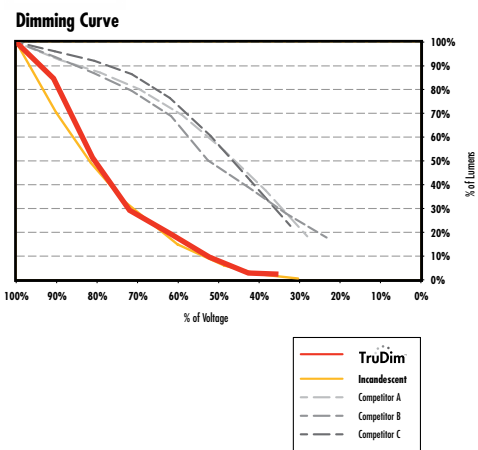
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TruDim™	Item Number	ENERGY STAR® Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MO/L/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
TCP PRO SERIES TruDim DIMMABLE COVERED LAMPS, HPF, 12,000 HOUR											
	50123	★ 23 Watt Springlamp Dimmable	23	100	1500	2700	82	4.9	2.4	E26	12
	4R2014TD	14 Watt R20 Dimmable	14	50	410	2700	82	5.1	2.5	E26	12
	4R3016TD	16 Watt R30 Dimmable	16	65	650	2700	82	5.4	3.7	E26	12
	4R4016TD	16 Watt R40 Dimmable	16	75	750	2700	82	6.1	4.8	E26	12
	4R4020TD	20 Watt R40 Dimmable	20	85	950	2700	82	6.1	4.8	E26	12
	41315TD	★ 15 Watt A-Lamp Dimmable	15	60	750	2700	82	5.1	2.3	E26	12
	41316TD	★ 16 Watt A-Lamp Dimmable	16	60	850	2700	82	5.5	2.4	E26	12
	4G2515TD	★ 15 Watt G25 Globe Dimmable	15	60	800	2700	82	5.2	3.1	E26	6
	4G4015TD	15 Watt G40 Globe Dimmable	15	60	750	2700	82	7.3	4.8	E26	6



## TruDim™

The **ONLY** fully dimmable CFL!

These CFLs combine powerful performance with intelligent design. We created these new dimmable CFLs to meet the most demanding applications. Full dimming performance all the way down to 2% with no annoying flicker – that's best in class performance!

### Features & Benefits

- Uniform, smooth dimming performance from 100% to 2%.
- Optimized electronics maximizes lamp life.
- Low dim level starting capability.
- Digital technology for faster run-up time.

\*Designed specifically for use with standard non-illuminated 60 watt incandescent slide or rotary dimmer. Consult TCP Technical Support or dimmer manufacturer for compatibility with other dimmer types. Also works well with the new CFL-LED dimmers.



Item Number	ENERGY STAR® Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MO/L/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
TCP PRO SERIES TruStart™, NPF, 20,000 HOUR										
58009	9 Watt TruStart SpringLamp	9	40	600	2700	82	4.0	1.9	E26	12
58014	14 Watt TruStart SpringLamp	14	60	900	2700	82	4.1	2.2	E26	12
58018	18 Watt TruStart SpringLamp	18	75	1200	2700	82	4.4	2.4	E26	12
58023	★ 23 Watt TruStart SpringLamp	23	100	1600	2700	82	4.7	2.4	E26	12
58027	27 Watt TruStart SpringLamp	27	100	1850	2700	82	4.9	2.8	E26	12
58032	32 Watt TruStart SpringLamp	32	125	2100	2700	82	5.7	2.8	E26	12
58042	42 Watt TruStart SpringLamp	23	150	2800	2700	82	6.2	2.8	E26	12

TruStart™  
InstaBright™ w/  
Armor Coat™



## TruStart™

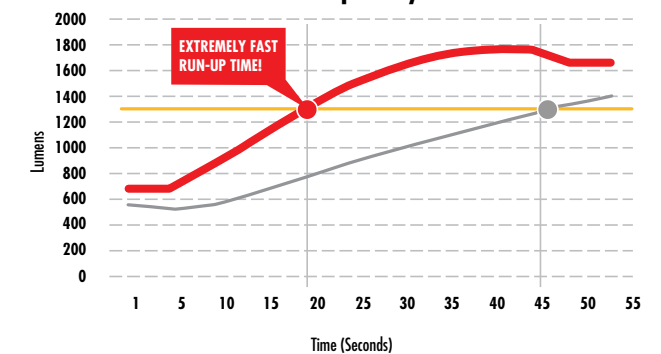
Full Brightness in a SNAP!

This is the long and short of it. Our new TruStart is a revolutionary CFL that has the longest life of any bulb on the market, while achieving full brightness in record time.

### Features & Benefits

- TCP-Exclusive Advanced IC Chip Control
- Programmed start for longer life 20,000 hours
- 15 – 20 seconds Run-Up time
- 100% improvement over standard 23w CFL
- Fully compatible with OCC Sensors

### TruStart 58023 Run-up Analysis



Nothing Compares!

— TruStart 58023  
— Standard 23W CFL  
— Run-up Point



### TCP PRO SERIES INSTABRIGHT G2 WITH ARMOR COAT™, NPF, 8000 HOUR

41314A	★ 14 Watt A-Lamp InstaBright G2	14	60	700	2700	82	4.4	2.4	E26	12
4G2514A	★ 14 Watt G25 InstaBright G2	14	60	800	2700	82	4.4	3.1	E26	6
4R2014A	14 Watt R20 InstaBright G2	14	50	410	2700	82	4.4	2.5	E26	12
4R3014A	★ 14 Watt R30 InstaBright G2	14	65	650	2700	82	5.4	3.7	E26	12

with  
Armor Coat!



**E26 Base and Mogul Base SpringLamps**

**SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, <150% THD**

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
28968	★	68 Watt SpringLamp	68	300	4200	2700	82	9.5	4.1	E26	6

**SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, MOGUL BASE, <150% THD**

28927H		27 Watt SpringLamp Mogul Base	27	100	1850	2700	82	6.2	2.8	Mogul	12
28942H		42 Watt SpringLamp Mogul Base	42	150	2800	2700	82	7.0	2.8	Mogul	12
28968H		68 Watt SpringLamp Mogul Base	68	300	4200	2700	82	9.8	4.1	Mogul	6

**SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, 277V, <150% THD**

28927277		27 Watt SpringLamp 277 Volt	27	100	1850	2700	82	6.0	2.8	E26	12
28932277		32 Watt SpringLamp 277 Volt	32	125	2200	2700	82	6.0	2.8	E26	12
28942277		42 Watt SpringLamp 277 Volt	42	150	2800	2700	82	7.0	2.8	E26	12
28968277		68 Watt SpringLamp 277 Volt	68	300	4200	2700	82	9.5	4.1	E26	6

**SPRINGLAMPS, ELECTRONIC, NPF, 10,000 HOUR, MOGUL BASE, 277V, <150% THD**

28927H277		27 Watt SpringLamp Mogul Base 277 Volt	27	100	1850	2700	82	6.2	2.8	Mogul	12
28932H277		32 Watt SpringLamp Mogul Base 277 Volt	32	125	2200	2700	82	6.6	2.8	Mogul	12
28942H277		42 Watt SpringLamp Mogul Base 277 Volt	42	150	2800	2700	82	7.0	2.8	Mogul	12
28968H277		68 Watt SpringLamp Mogul Base 277 Volt	68	300	4200	2700	82	9.8	4.1	Mogul	6

**3-WAY SPRINGLAMPS, ELECTRONIC, 10,000 HOUR, <150% THD**

19030LED		19/30/1 Watt 3-Way w/LED Nightlight	19/30/1	75/120/night-light	1300/1850/8	2700	82	5.3	2.8	E26	12
19032	★	14/19/32 Watt 3-Way Springlamp	14/19/32	40/75/150	750/1400/2150	2700	82	6.8	2.8	E26	12
19027	★	11/15/27 Watt 3-Way Springlamp	11/15/27	25/60/100	400/800/1850	2700	82	5.2	2.7	E26	12

**HPF SPRINGLAMPS, ELECTRONIC, 10,000 HOUR, <33% THD**

18209		9 Watt SpringLamp	9	40	500	2700	82	4.1	1.9	E26	12
18214		14 Watt Mini-SpringLamp	14	60	800	2700	82	4.5	1.9	E26	12
18220	★	20 Watt SpringLamp	20	75	1100	2700	82	4.7	2.4	E26	12
18223		23 Watt SpringLamp	23	90	1400	2700	82	4.9	2.4	E26	12
18227		27 Watt SpringLamp	27	100	1600	2700	82	5.4	2.4	E26	12

**Floods A-Lamps**

**1-PIECE REFLECTORS, WET LOCATION RATED, ELECTRONIC, NPF, 8,000 HOUR**

1R2009	★	9 Watt R20 Floodlight	9	25	400	2700	82	3.8	2.5	E26	12
1R2014	★	14 Watt R20 Floodlight	14	50	500	2700	82	4.3	2.5	E26	12
2R3014	★	14 Watt R30 Floodlight	14	65	650	2700	82	5.4	3.7	E26	12
2R3016	★	16 Watt R30 Floodlight	16	75	750	2700	82	5.7	3.7	E26	12
1R4016	★	16 Watt R40 Floodlight	16	75	750	2700	82	5.7	4.7	E26	12
1R4019	★	19 Watt R40 Floodlight	19	85	950	2700	82	5.9	4.7	E26	12
1R4023	★	23 Watt R40 Floodlight	23	120	1150	2700	82	6.2	4.7	E26	12
1P3016	★	16 Watt PAR30 Floodlight	16	75	750	2700	82	5.7	3.7	E26	12
1P3816	★	16 Watt PAR38 Floodlight	16	75	850	2700	82	5.9	4.7	E26	12
2P3819	★	19 Watt PAR38 Floodlight	19	85	1000	2700	82	5.9	4.7	E26	12
1P3823	★	23 Watt PAR38 Floodlight	23	90	1200	2700	82	6.2	4.8	E26	12

**1-PIECE FLAT PAR REFLECTORS, WET LOCATION RATED, ELECTRONIC, NPF, 8,000 HOUR**

PF2014		14 Watt Flat Par20 Floodlight	14	30	350	2700	82	4.3	2.5	E26	12
PF3016		16 Watt Flat Par30 Floodlight	16	65	750	2700	82	5.0	3.7	E26	12
PF3823		23 Watt Flat Par PAR38 Floodlight	23	75	1000	2700	82	5.4	4.8	E26	12

**A-LAMP, ELECTRONIC, NPF, 8,000 HOUR**

11304		4 Watt A-Lamp	4	25	225	2700	82	3.8	1.7	E26	12
11309	★	9 Watt A-Lamp	9	40	475	2700	82	3.8	1.9	E26	12
21314	★	14 Watt A-Lamp	14	60	800	2700	82	4.4	2.4	E26	12
11316	★	16 Watt A-Lamp	16	60	900	2700	82	5.9	2.7	E26	12
11319	★	19 Watt A-Lamp	19	60	1100	2700	82	5.9	2.7	E26	12
11323		23 Watt A-Lamp	23	100	1200	2700	82	6.6	2.7	E26	12
21314Y		14 Watt A-Lamp BugLight	14	60	600	2300	N/A	4.4	2.4	E26	12

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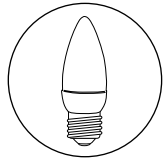
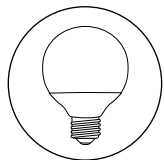
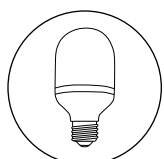
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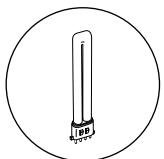
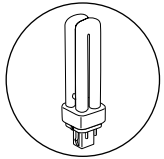
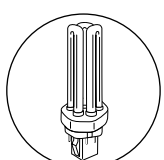
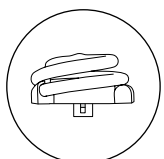
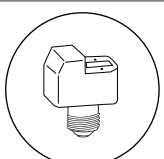
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Torpedos												
Globes												
T-Capsules												
Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity	
<b>TORPEDO LAMP, ELECTRONIC, NPF, 8,000 HOUR</b>												
												
10704	★	4 Watt Torpedo	4	15	195	2700	82	4.4	1.4	E26	12	
10704C	★	4 Watt Torpedo CAND	4	15	195	2700	82	4.4	1.4	E12	12	
10709	★	9 Watt Torpedo	9	40	425	2700	82	4.8	1.7	E26	12	
10709C		9 Watt Torpedo Lamp	9	40	425	2700	82	4.8	1.7	E12	12	
10714		14 Watt Torpedo Lamp	14	60	720	2700	82	5.4	1.7	E26	12	
10714C		14 Watt Torpedo Lamp CAND	14	60	720	2700	82	5.4	1.7	E12	12	
<b>GLOBE LAMP, ELECTRONIC, 8,000 HOUR</b>												
												
1G2004		4 Watt G20 Globe	4	25	250	2700	82	3.6	2.5	E26	12	
1G2004C		4 Watt G20 Globe CAND	4	25	210	2700	82	3.6	2.5	E12	12	
1G2504	★	4 Watt G25 Globe	4	25	250	2700	82	4.0	3.1	E26	6	
1G2504C		4 Watt G25 Globe CAND	4	40	250	2700	82	4.0	3.1	E12	6	
1G2509	★	9 Watt G25 Globe	9	40	520	2700	82	4.4	3.1	E26	6	
1G2509C		9 Watt G25 Globe CAND	9	40	520	2700	82	4.4	3.1	E12	6	
2G2514	★	14 Watt G25 Globe	14	60	800	2700	82	4.4	3.1	E26	6	
1G3009		9 Watt G30 Globe	9	40	520	2700	82	5.0	3.7	E26	6	
1G3014	★	14 Watt G30 Globe	14	60	800	2700	82	5.0	3.7	E26	6	
1G3019	★	19 Watt G30 Globe	19	75	1100	2700	82	5.0	3.7	E26	6	
1G3023		23 Watt G30 Globe	23	100	1200	2700	82	5.9	3.7	E26	6	
1G4014	★	14 Watt G40 Globe	14	60	800	2700	82	6.8	5.0	E26	6	
1G4019	★	19 Watt G40 Globe	19	75	1100	2700	82	6.8	5.0	E26	6	
1G4023		23 Watt G40 Globe	23	100	1300	2700	82	6.8	5.2	E26	6	
<b>T-CAPSULE LAMP, ELECTRONIC, 8,000 HOUR</b>												
												
1T2014	★	14 Watt T20 Capsule	14	60	800	2700	82	5.4	2.5	E26	12	
1T2414	★	14 Watt T24 Capsule	14	60	900	2700	82	5.2	3.5	E26	6	
1T2419	★	19 Watt T24 Capsule	19	75	1100	2700	82	5.6	3.5	E26	6	
1T2423		23 Watt T24 Capsule	23	100	1200	2700	82	6.3	3.5	E26	6	

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity	
<b>TWIN TUBE PL LAMPS, 10,000 HOUR</b>											
											
32005		5 Watt 2-Pin Twin Tube	5	250	2700	82	4.1	1.05	G23	25	
32007		7 Watt 2-Pin Twin Tube	7	410	2700	82	5.3	1.3	G23	25	
32009		9 Watt 2-Pin Twin Tube	9	590	2700	82	6.4	1.3	G23	25	
32013		13 Watt 2-Pin Twin Tube	13	800	2700	82	6.9	1.3	GX23	25	
320131ST		13 Watt 2-Pin Twin Tube Instant Start	13	800	2700	82	6.9	1.3	GX23	25	
324132GX7		13 Watt 4-Pin Twin Tube	13	800	2700	82	6.2	1.3	2GX7	25	
<b>QUAD TUBE PL LAMPS, 10,000 HOUR</b>											
											
32009Q		9 Watt 2-Pin Quad Tube	9	590	2700	82	4.3	1.4	G23-2	25	
32013Q		13 Watt 2-Pin Quad Tube	13	810	2700	82	4.6	1.4	GX23-2	25	
320131SQ		13 Watt 2-Pin Quad Tube Instant Start	13	810	2700	82	4.6	1.4	GX23-2	25	
32018Q		18 Watt 2-Pin Quad Tube	18	1150	2700	82	6.0	1.4	G24d-2	25	
32026Q		26 Watt 2-Pin Quad Tube	26	1700	2700	82	6.6	1.4	G24d-3	25	
32413Q		13 Watt 4-Pin Quad Tube	13	875	2700	82	5.2	1.4	G24q-1	25	
32418Q		18 Watt 4-Pin Quad Tube	18	1150	2700	82	5.7	1.4	G24q-2	25	
32426Q		26 Watt 4-Pin Quad Tube	26	1700	2700	82	6.3	1.4	G24q-3	12	
32020Q		20 Watt 2-Pin Quad Tube	20	1250	2700	82	6.1	1.6	GX32D-2	25	
32027Q		27 Watt 2-Pin Quad Tube	27	1700	2700	82	6.5	1.6	GX32D-3	25	
<b>TRIPLE TUBE PL LAMPS, 10,000 HOUR</b>											
											
32413T		13 Watt 4-Pin Triple Tube	13	900	2700	82	4.2	1.8	GX24q-1	12	
32418T		18 Watt 4-Pin Triple Tube	18	1150	2700	82	4.4	1.8	GX24q-2	12	
32426T		26 Watt 4-Pin Triple Tube	26	1700	2700	82	4.8	1.8	GX24q-3	12	
32432T		32 Watt 4-Pin Triple Tube	32	2000	2700	82	5.5	1.8	GX24q-3	12	
32442T		42 Watt 4-Pin Triple Tube	42	2600	2700	82	6.3	1.8	GX24q-4	12	
<b>LOW PROFILE 4-PIN SPRINGLAMP®, 10,000 HOUR</b>											
											
33013SQ		13W Low Profile 4-Pin SpringLamp	13	900	2700	82	1.8	2.9	G24q-1	12	
<b>SCREW IN MAGNETIC ADAPTERS, 50,000 HOUR</b>											
											
10405		5 Watt Center Mount Adapter	5	N/A	N/A	N/A	3.3	2.4	E26	12	
10407		7 Watt Center Mount Adapter	7	N/A	N/A	N/A	3.3	2.4	E26	12	
10409		9 Watt Center Mount Adapter	9	N/A	N/A	N/A	3.3	2.4	E26	12	
10413		13 Watt Center Mount Adapter	13	N/A	N/A	N/A	3.3	2.4	E26	12	

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Circline	Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity
<b>T6 CIRCLINE ADAPTERS WITH LAMPS, ELECTRONIC, HPF, 10,000 HOUR, 2700K</b>															
	1252218	22 Watt Circline Adapter with 18 Watt Lamp	22	18	75	1200	2700	82	3.7	5.8	13818B	32018	E26	12522	20
<b>T6 CIRCLINE ADAPTERS WITH LAMPS, ELECTRONIC, NPF, 10,000 HOUR, 2700K</b>															
	1703027	30 Watt Circline Adapter with 27 Watt Lamp	30	27	120	2000	2700	82	3.7	7.5	13827B	32027	E26	17030	20
	1703632RP	36 Watt Circline Adapter with 32 Watt Lamp	36	32	130	2200	2700	82	3.7	9.0	13832B	32032	E26	17036	20
	17033L	33 Watt Circline Adapter with Lamp	33	33	125	2000	2700	82	3.5	5.5	13833B2ADJ	32033	E26	17033	20
	17040LRP	40 Watt Circline Adapter with Lamp	40	40	150	2800	2700	82	3.7	7.5	13818B	32040	E26	174040	20
	17058L	58 Watt Circline Adapter with Lamp	58	58	200	3700	2700	82	3.7	9.0	13858B	32058	E26	17058	5
<b>T6 3-WAY CIRCLINE ADAPTERS WITH LAMP, ELECTRONIC, NPF, 10,000 HOUR, 2700K</b>															
	16533L	33 Watt Circline Adapter with Lamp	33	10/ 20/ 33	50/ 100/ 150	2150	2700	82	3.5	5.5	13833B2ADJ	32033	E26	16533	20
<b>T6 CIRCLINE 2D REPLACEMENT LAMPS, 10,000 HOUR, 2700K</b>															
	320582D	58 Watt Lamp with 2D Boot	NA	58	200	3700	2700	82	0.8	9.0	N/A	N/A	N/A	N/A	20
<b>T6 CIRCLINE LAMPS, 2700K</b>															
	32018	18 Watt Circline Lamp	NA	18	75	1200	2700	82	0.8	5.7	13818B	N/A	N/A	N/A	20
	32027	27 Watt Circline Lamp	NA	27	120	2000	2700	82	0.8	7.5	13827B	N/A	N/A	N/A	20
	32032	32 Watt Circline Lamp	NA	32	130	2200	2700	82	0.8	9.0	13832B	N/A	N/A	N/A	20
	32033	33 Watt Circline Lamp	NA	33	125	2150	2700	82	1.8	5.5	13833B2ADJ	N/A	N/A	N/A	20
	32040	40 Watt Circline Lamp	NA	40	150	2800	2700	82	0.8	7.5	13818B	N/A	N/A	N/A	20
	32058	58 Watt Circline Lamp	NA	58	200	3700	2700	82	0.8	9.0	13858B (set of 3)	N/A	N/A	N/A	20

\*All T6 Circline lamps also available in: 31K, 35K, 41K, 51K, 65K & P/SP. All Circlines are 4-pin G10Q

Item Number	Item Description	Unit/Ballast Watts	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Replacement Bracket	Replacement Lamp	Base Type	Replacement Ballast	Case Quantity	Circline
<b>T9 CIRCLINE ADAPTERS WITH LAMP, ELECTRONIC, NPF, 10,000 HOUR, 2700K</b>															
17022LRP	22 Watt Circline Adapter with 22 Watt Lamp	22	22	90	1400	2700	82	3.7	8.0	13822B	32022	E26	17022	6	
17030LRP	30 Watt Circline Adapter with 30 Watt Lamp	30	30	120	2000	2700	82	3.7	9.0	13830B	32030	E26	17030	6	
<b>T9 CIRCLINE ADAPTERS WITH LAMP, ELECTRONIC, HPF, 10,000 HOUR, 2700K</b>															
12530L	30 Watt Circline Adapter and Lamp	30	30	120	2000	2700	82	3.7	9.0	13830B	32030	E26	12530	20	
<b>T9 CIRCLINE LAMPS, 10,000 HOUR, 2700K</b>															
32020	20 Watt Circline Lamp	NA	20	75	1200	2700	NA	1.0	6.0	13820B	N/A	N/A	N/A	20	
32022	22 Watt Circline Lamp	NA	22	90	1400	2700	NA	1.0	8.0	13822B	N/A	N/A	N/A	20	
32030	30 Watt Circline Lamp	NA	30	120	2000	2700	NA	1.0	9.0	13830B	N/A	N/A	N/A	20	
<b>CIRCLINE BALLASTS, NPF</b>															
17022	22 Watt Circline Ballast	22	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17030	30 Watt Circline Ballast	30	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17033	33 Watt Circline Ballast	33	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17040	40 Watt Circline Ballast	40	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
17058	58 Watt Circline Ballast	58	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
<b>CIRCLINE BALLASTS, HPF</b>															
12522	22 Watt Circline Ballast	22	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	
12530	30 Watt Circline Ballast	30	NA	NA	NA	NA	NA	NA	NA	NA	N/A	E26	N/A	50	

Add suffix "Q" for Snap-in Version. Item #4001 for Hard-wire base only.

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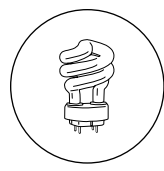
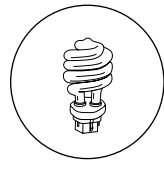
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Contact Customer Service for inventory availability and special orders.

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Two Piece SpringLamps											
Item Number	ENERGY STAR® Item Description	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity	
<b>TWO PIECE REPLACEMENT LAMPS, TCX BASE, PL 4-PIN, AMALGAM, 10,000 HOUR</b>											
35011M	11 Watt Mini-SpringLamp Replacement	11	52	650	2700	82	3.0	1.8	TCX 4-pin	12	
35014M	14 Watt Mini-SpringLamp Replacement	14	60	900	2700	82	3.1	1.8	TCX 4-pin	12	
35015	15 Watt SpringLamp Repl	15	60	930	2700	82	3.1	2.2	TCX 4-pin	12	
35018	18 Watt SpringLamp Repl	18	75	1150	2700	82	3.4	2.2	TCX 4-pin	12	
35020	20 Watt SpringLamp Repl	20	75	1200	2700	82	3.4	2.2	TCX 4-pin	12	
35023	23 Watt SpringLamp Repl	23	90	1400	2700	82	3.7	2.2	TCX 4-pin	12	
35026	26 Watt SpringLamp Repl	26	100	1750	2700	82	4.3	2.2	TCX 4-pin	12	
35032	32 Watt SpringLamp Repl	32	125	2100	2700	82	4.8	2.2	TCX 4-pin	12	
35042	42 Watt SpringLamp Repl	42	150	2800	2700	82	5.6	2.5	TCX 4-pin	12	
<b>TWO PIECE REPLACEMENT LAMPS, ANSI BASE, PL 4-PIN, AMALGAM, 10,000 HOUR</b>											
33014M	14 Watt Mini-SpringLamp	14	60	900	2700	82	3.1	1.8	G24Q-1	12	
33018	18 Watt SpringLamp	18	75	1150	2700	82	4.0	2.2	G24Q-2	12	
33026	26 Watt SpringLamp	26	100	1750	2700	82	4.8	2.2	G24Q-3	12	
33032	32 Watt SpringLamp	32	125	2100	2700	82	5.3	2.2	G24Q-3	12	
33042	42 Watt SpringLamp	42	150	2800	2700	82	5.6	2.5	G24Q-3	12	

GU 24 Base												
Item Number	ENERGY STAR® Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Input Line	Base Type	Case Quantity	
<b>GU24 SPRINGLAMPS, 10,000 HOUR</b>												
33109SP	★ 9 Watt SpringLamp	9	45	550	2700	82	3.4	1.8	.15A	GU24	12	
33113SP	★ 13 Watt SpringLamp	13	60	900	2700	82	3.6	1.8	.22A	GU24	12	
33118SP	★ 18 Watt SpringLamp	18	75	1200	2700	82	3.8	2.3	.30A	GU24	12	
33123SP	★ 23 Watt SpringLamp	23	100	1600	2700	82	4.4	2.4	.43A	GU24	12	
33127SP	★ 27 Watt SpringLamp	27	100	1850	2700	82	4.8	2.4	.45A	GU24	12	
33132SP	★ 32 Watt SpringLamp	32	120	2200	2700	82	5.1	2.7	.53A	GU24	12	
33142SP	42 Watt SpringLamp	42	150	2800	2700	82	5.9	2.8	.70A	GU24	12	
33213SSP	★ 13 Watt Low Profile	13	60	900	2700	82	2.3	3.2	.22A	GU24	12	
<b>GU24 PL LAMPS, 8,000 HOUR</b>												
33109Q	9 Watt Quad Tube	9	45	500	2700	82	4.5	1.5	.15A	GU24	12	
33113Q	13 Watt Quad Tube	13	60	750	2700	82	4.5	1.5	.22A	GU24	12	
33118Q	18 Watt Quad Tube	18	75	1150	2700	82	6.1	1.5	.30A	GU24	12	
33126Q	26 Watt Quad Tube	26	100	1700	2700	82	7.1	1.8	.43A	GU24	12	



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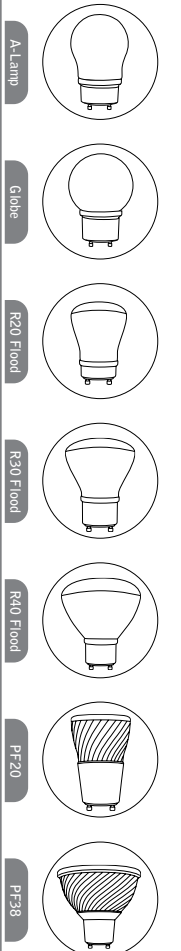
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Contact Customer Service for inventory availability and special orders.

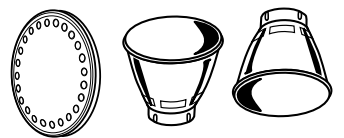
**GU 24 Base Covered Lamps Reflectors**

Item Number	ENERGY STAR® Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Input Line	Base Type	Case Quantity
33109A19	9 Watt A Lamp	9	40	450	2700	82	3.6	2.3	.15A	GU24	12
33114A19	★ 14 Watt A Lamp	14	60	800	2700	82	4.3	2.4	.23A	GU24	12
33109G25	9 Watt G25 Globe	9	40	450	2700	82	4.0	3.2	.15A	GU24	12
33114G25	★ 14 Watt G25 Globe	14	60	800	2700	82	4.6	3.2	.23A	GU24	12
33114G30	14 Watt G30 Globe	14	60	800	2700	82	5.3	3.7	.23A	GU24	12
33114R20	14 Watt R20 Flood	14	50	500	2700	82	4.6	2.5	.23A	GU24	12
33116R30	★ 16 Watt R30 Flood	16	75	700	2700	82	4.6	3.7	.27A	GU24	12
33116R40	16 Watt R40 Flood	16	75	750	2700	82	5.3	4.8	.27A	GU24	12
33123R40	23 Watt R40 Flood	23	120	1200	2700	82	5.3	4.8	.38A	GU24	12
33123P38	23 Watt Par 38 Flood	23	90	1200	2700	82	5.3	4.8	.38A	GU24	12
33114PF20	14 Watt Par Flat 20 Flood	14	65	350	2700	82	4.0	2.5	.23A	GU24	12
33116PF30	14 Watt Par Flat 30 Flood	14	65	750	2700	82	4.2	3.7	.27A	GU24	12
33123PF38	23 Watt Par Flat 38 Flood	23	90	1000	2700	82	4.8	4.8	.38A	GU24	12



TCP PART NUMBER	DESCRIPTION	MOL (INCHES)	DIAMETER (INCHES)	MOL WITH LAMP (INCHES)	SPRINGLAMPS MAX. LAMP SIZE
<b>TCP Pro Reflectors – 489, 401, 580 Series</b>					
489R3013	Fits 48909, 48913	3	3.7	4.4	13 Watt
489R4013	Fits 48909, 48913	3	4.7	4.4	13 Watt
489R3023	Fits 48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009	3.4	3.7	4.9	23 Watt
489R4023	Fits 48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009	3.4	4.7	4.9	27 Watt
401R4023	Fits 40123, 50123	3.7	4.7	5.4	23 Watt
489R4032	Fits 48932, 48942	3.7	4.7	5.7	42 Watt

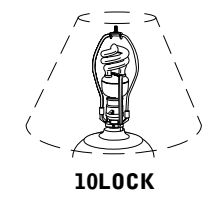
TCP PART NUMBER	DESCRIPTION	USE WITH THESE LAMPS
10R30CV	R30 Reflector cover, vented 3.8" diameter	48909, 48913
10R40CV	R40 Reflector cover, vented 4.7" diameter	48909, 48913



TCP PART NUMBER	DESCRIPTION	USE WITH THESE LAMPS
489R3013	Mini Aluminum R30	48909, 48913
489R4013	Mini Aluminum R40	48909, 48913
489R3023	Mini Aluminum R30	48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009
489R4023	Mini Aluminum R40	48918, 48923, 40114, 48927, 58023, 58018, 58014, 58009
401R4023	Mini Aluminum R40	50123
489R4032	Mini Aluminum R40	48932, 48942

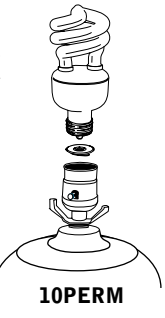


Item #	MOL	Description	Item #	Description	Item #	Description
10LOCK	N/A	Vandal Resistant Device	10PERM	Permanent Installation Disk	15HEXT	Harp Extenders (set of 2)

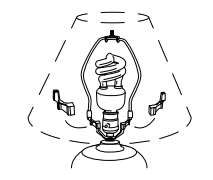


**Vandal Resistant Device**  
The Vandal Resistant Device (10LOCK) is used to help prevent bulb theft.  
Use 10LOCK with all lamps except covered lamps.

**Permanent Installation Disk**  
A Permanent Installation Disk (10PERM) is used to allow only TCP Compact Fluorescent Lamps to fit in a standard light socket to qualify for energy saving rebates.



**Lamp Harp Extenders**  
Simply slip on harp ends to extend and fit around larger size bulbs.



# CFL Warranties

**8,000 Hour Lamps 12 months LIMITED WARRANTY**

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**401 Series | 350 Series | 330 Series | 320 Series | 182 Series 10,000 Hour Lamps 15 months LIMITED WARRANTY**

This TCP product is warranted for a period of 15 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 15 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**190 Series | 289 Series 10,000 Hour Lamps 18 Months LIMITED WARRANTY**

This TCP product is warranted for a period of 18 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 18 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**580 Series 20,000 Hour Lamps 36 Months LIMITED WARRANTY**

This TCP product is warranted for a period of 36 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 36 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**489 Series | 4T2 Series | TruDim™ 12,000 Hour Lamps 24 Months LIMITED WARRANTY**

This TCP product is warranted for a period of 24 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 24 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**170 Series | 125 Series | 104 Series | 105 Series 50,000 Hour Ballasts 5 Years LIMITED WARRANTY**

This TCP product is warranted for a period of 5 years from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 5 years of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**GU24 Lamps 36 Months LIMITED WARRANTY**

This TCP product is warranted for a period of 36 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 36 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

\*All data in this catalog is subject to change without notice.

With the high quality standards all our products must meet, you are guaranteed to have a lighting source that performs in the harshest environments. We've even established a UL client testing laboratory at our corporate headquarters to ensure the safety of every product you use. Our lab is ISO 17025 compliant.

**Hg** Some of our products contain mercury. Manage according to Local, State, or Federal Disposal Laws See: [www.lamprecycle.org](http://www.lamprecycle.org) or call 1-800-771-9335

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## SpringLight™

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOH/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
<b>SPRINGLIGHT™ SPRINGLAMPS®</b>											
801009	★	9W SpringLamp 27K	9	40	550	2700	82	4.0	1.8	E26	12
80100935	★	9W SpringLamp 35K	9	40	550	3500	82	4.0	1.8	E26	12
80100941	★	9W SpringLamp 41K	9	40	550	4100	82	4.0	1.8	E26	12
80100950	★	9W SpringLamp 50K	9	40	500	5000	82	4.0	1.8	E26	12
801014	★	14W SpringLamp 27K	14	60	900	2700	82	4.4	1.8	E26	12
8010143	★	14W SpringLamp 27K 3PK	14	60	900	2700	82	4.4	1.8	E26	12
80101435	★	14W SpringLamp 35K	14	60	900	3500	82	4.4	1.8	E26	12
80101441	★	14W SpringLamp 41K	14	60	900	4100	82	4.4	1.8	E26	12
801014413	★	14W SpringLamp 41K 3PK	14	60	900	4100	82	4.4	1.8	E26	12
80101450	★	14W SpringLamp 50K	14	60	850	5000	82	4.4	1.8	E26	12
80101465		14W SpringLamp 65K	14	60	850	6500	82	4.4	1.8	E26	12
801019	★	19W SpringLamp 27K	19	75	1225	2700	82	4.4	2.3	E26	12
8010193	★	19W SpringLamp 27K 3PK	19	75	1225	2700	82	4.4	2.3	E26	12
80101935	★	19W SpringLamp 35K	19	75	1225	3500	82	4.4	2.3	E26	12
80101941	★	19W SpringLamp 41K	19	75	1225	4100	82	4.4	2.3	E26	12
801019413	★	19W SpringLamp 41K 3PK	19	75	1225	4100	82	4.4	2.3	E26	12
80101950	★	19W SpringLamp 50K	19	75	1225	5000	82	4.4	2.3	E26	12
80101965	★	19W SpringLamp 65K	19	75	1225	6500	82	4.4	2.3	E26	12
801023	★	23W SpringLamp 27K	23	100	1600	2700	82	4.8	2.3	E26	12
8010233	★	23W SpringLamp 27K 3PK	23	100	1600	2700	82	4.8	2.3	E26	12
80102335	★	23W SpringLamp 35K	23	100	1600	3500	82	4.8	2.3	E26	12
80102341	★	23W SpringLamp 41K	23	100	1600	4100	82	4.8	2.3	E26	12
801023413	★	23W SpringLamp 41K 3PK	23	100	1600	4100	82	4.8	2.3	E26	12
80102350	★	23W SpringLamp 50K	23	100	1500	5000	82	4.8	2.3	E26	12
80102365		23W SpringLamp 65K	23	100	1500	6500	82	4.8	2.3	E26	12
801027	★	27W SpringLamp 27K	27	100	1750	2700	82	5.5	2.4	E26	12
8010273	★	27W SpringLamp 27K 3PK	27	100	1750	2700	82	5.5	2.4	E26	12
80102735	★	27W SpringLamp 35K	27	100	1750	3500	82	5.5	2.4	E26	12
80102741	★	27W SpringLamp 41K	27	100	1750	4100	82	5.5	2.4	E26	12
801027413	★	27W SpringLamp 41K 3PK	27	100	1750	4100	82	5.5	2.4	E26	12
80102750	★	27W SpringLamp 50K	27	100	1750	5000	82	5.5	2.4	E26	12
80102765		27W SpringLamp 65K	27	100	1750	6500	82	5.5	2.4	E26	12
801032		32W SpringLamp 27K	32	125	2100	2700	82	6.0	2.8	E26	12
80103241		32W SpringLamp 41K	32	125	2000	4100	82	6.0	2.8	E26	12
801042		42W SpringLamp 27K	42	150	2750	2700	82	7.0	2.8	E26	12
80104241		42W SpringLamp 41K	42	150	2650	4200	82	7.0	2.8	E26	12



## SpringLight™

Item Number	ENERGY STAR®	Item Description	Unit/Ballast Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOH/Height (Inches)	Diameter/Width (Inches)	Base Type	Case Quantity
<b>SPRINGLIGHT™ REFLECTOR LAMPS</b>											
802014	★	14w R20 Flood SpringLamp	14	50	495	2700	82	4.3	2.5	E26	12
803014	★	14w R30 Flood SpringLamp	14	65	650	2700	82	5.4	3.7	E26	4
8030142	★	14w R30 Flood SpringLamp 2PK	14	65	650	2700	82	5.4	3.7	E26	2
805023	★	23w Par38 Flood SpringLamp	23	90	1200	2700	82	6.2	4.8	E26	4
8050232	★	23w Par38 Flood SpringLamp 2PK	23	90	1200	2700	82	6.2	4.8	E26	2
804023	★	23w R40 Flood SpringLamp	23	120	1150	2700	82	6.1	4.8	E26	4
<b>SPRINGLIGHT™ GLOBES</b>											
8060092	★	9w G25 Globe SpringLamp 2PK	9	40	525	2700	82	4.3	3.1	E26	3
8060142	★	14w G25 Globe SpringLamp 2PK	14	60	800	2700	82	4.3	3.1	E26	3
<b>SPRINGLIGHT™ A-LAMPS</b>											
8070092	★	9w A-Lamp SpringLamp 2pk	9	40	450	2700	82	4.1	2.2	E26	3
8070142	★	14w A-Lamp SpringLamp 2pk	14	60	800	2700	82	4.8	3.1	E26	3
<b>SPRINGLIGHT™ MULTI-PACKS</b>											
8011412	★	14w SpringLamp 12PK	14	60	900	2700	82	4.4	1.8	E26	12
8011912	★	19w SpringLamp 12PK	19	75	1225	2700	82	4.4	2.3	E26	12
8012312	★	23w SpringLamp 12PK	23	100	1600	2700	82	4.8	2.3	E26	12
8012712	★	27w SpringLamp 12PK	27	100	1750	2700	82	5.5	2.4	E26	12
801R30146	★	14w R30 SpringLamp 6PK	14	65	645	2700	82	5.4	3.7	E26	12



## SpringLight™ WARRANTY

**801 Series – 10,000 hours – 9 Years – LIMITED WARRANTY\***

This product is warranted for a period of 9 YEARS\* from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in material or workmanship, simply call 1-800-771-9335 within WARRANTED TIME of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

**802,803,805,807 Series – 8,000 hours – 7 Years – LIMITED WARRANTY\***

This product is warranted for a period of 7 YEARS\* from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in material or workmanship, simply call 1-800-771-9335 within WARRANTED TIME of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

\*Based on 3 hours average use per day

A-Lamps Torpedos		Item Number	Item Description	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Lamp Finish	Case Quantity
<b>3 WATT S14 COLD CATHODE 120V, 25,000 HOUR</b>												
	8A03CL	3 Watt Cold Cathode A-Lamp Clear	3	15-20	120	2700	82	3.6	1.7	Clear	12	
	8A03F	3 Watt Cold Cathode A-Lamp Frost	3	15-20	120	2700	82	3.6	1.7	Frost	12	
	8A03LV	3 Watt Cold Cathode A-Lamp LV	3	15-20	115	2400	82	3.6	1.7	LV	12	
	8A03WH	3 Watt Cold Cathode A-Lamp White	3	15-20	120	2700	82	3.6	1.7	White	12	
<b>5 WATT A17 COLD CATHODE 120V, 25,000 HOUR</b>												
	8A05CL	5 Watt Cold Cathode A-Lamp Clear	5	25-30	200	2700	82	4.0	2.0	Clear	12	
	8A05F	5 Watt Cold Cathode A-Lamp Frost	5	25-30	200	2700	82	4.0	2.0	Frost	12	
	8A05LV	5 Watt Cold Cathode A-Lamp LV	5	25-30	190	2400	82	4.0	2.0	LV	12	
	8A05Y	5 Watt Cold Cathode A-Lamp Yellow	5	25-30	N/A	N/A	N/A	4.0	2.0	Yellow	12	
	8A05BL	5 Watt Cold Cathode A-Lamp Blue	5	25-30	N/A	N/A	N/A	4.0	2.0	Blue	12	
	8A05GR	5 Watt Cold Cathode A-Lamp Green	5	25-30	N/A	N/A	N/A	4.0	2.0	Green	12	
	8A05RD	5 Watt Cold Cathode A-Lamp Red	5	25-30	N/A	N/A	N/A	4.0	2.0	Red	12	
<b>8 WATT A19 COLD CATHODE 120V, 25,000 HOUR</b>												
	8A08CL	8 Watt Cold Cathode A-Lamp Clear	8	35-40	300	2700	82	4.5	2.4	Clear	12	
	8A08F	8 Watt Cold Cathode A-Lamp Frost	8	35-40	300	2700	82	4.5	2.4	Frost	12	
	8A08LV	8 Watt Cold Cathode A-Lamp LV	8	35-40	280	2400	82	4.5	2.4	LV	12	
	8A08WH	8 Watt Cold Cathode A-Lamp White	8	35-40	300	2700	82	4.5	2.4	White	12	
<b>3 WATT TORPEDO COLD CATHODE 120V, 25,000 HOUR</b>												
	8T03CL	3 Watt Cold Cathode Torpedo Clear	3	15-20	120	2700	82	4.0	1.4	Clear	12	
	8T03F	3 Watt Cold Cathode Torpedo Frost	3	15-20	120	2700	82	4.0	1.4	Frost	12	
<b>5 WATT TORPEDO COLD CATHODE 120V, 25,000 HOUR</b>												
	8T05F	5 Watt Cold Cathode Torpedo Frost	5	25-30	200	2700	82	4.4	1.4	Frost	12	
	8T05WH	5 Watt Cold Cathode Torpedo White	5	25-30	200	2700	82	4.4	1.4	White	12	

		Item Number	Item Description	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Lamp Finish	Case Quantity	Torpedos Flame Tips Globes
<b>8 WATT TORPEDO COLD CATHODE 120V, 25,000 HOUR</b>													
	8T08CL	8 Watt Cold Cathode Torpedo Clear	8	35-40	300	2700	82	5.8	2.0	Clear	12		
	8T08F	8 Watt Cold Cathode Torpedo Frost	8	35-40	300	2700	82	5.8	2.0	Frost	12		
	8T08LV	8 Watt Cold Cathode Torpedo LV	8	35-40	280	2400	82	5.8	2.0	LV	12		
	8T08WH	8 Watt Cold Cathode Torpedo White	8	35-40	300	2700	82	5.8	2.0	White	12		
<b>3 WATT FLAME TIP COLD CATHODE 120V, 25,000 HOUR</b>													
	8TF03CL	3 Watt Cold Cathode Flame Tip Clear	3	15-20	120	2700	82	4.5	1.4	Clear	12		
	8TF03F	3 Watt Cold Cathode Flame Tip Frost	3	15-20	120	2700	82	4.5	1.4	Frost	12		
<b>5 WATT FLAME TIP COLD CATHODE 120V, 25,000 HOUR</b>													
	8TF05CL	5 Watt Cold Cathode Flame Tip Clear	5	25-30	200	2700	82	4.8	1.4	Clear	12		
	8TF05F	5 Watt Cold Cathode Flame Tip Frost	5	25-30	200	2700	82	4.8	1.4	Frost	12		
	8TF05LV	5 Watt Cold Cathode Flame Tip LV	5	25-30	190	2400	82	4.8	1.4	LV	12		
	8TF05WH	5 Watt Cold Cathode Flame Tip White	5	25-30	200	2700	82	4.8	1.4	White	12		
	<b>8 WATT FLAME TIP COLD CATHODE 120V, 25,000 HOUR</b>												
	8TF08CL	8 Watt Cold Cathode Flame Tip Clear	8	35-40	300	2700	82	6.4	2.0	Clear	12		
	8TF08F	8 Watt Cold Cathode Flame Tip Frost	8	35-40	300	2700	82	6.4	2.0	Frost	12		
	8TF08LV	8 Watt Cold Cathode Flame Tip LV	8	35-40	280	2400	82	6.4	2.0	LV	12		
	8TF08WH	8 Watt Cold Cathode Flame Tip White	8	35-40	300	2700	82	6.4	2.0	White	12		
<b>G20 GLOBE COLD CATHODE 120V, 25,000 HOUR</b>													
	8G2003CL	3 Watt Cold Cathode G20 Globe Clear	3	15-20	120	2700	82	4.0	2.5	Clear	12		
	8G2003F	3 Watt Cold Cathode G20 Globe Frost	3	15-20	120	2700	82	4.0	2.5	Frost	12		
<b>G25 GLOBE COLD CATHODE 120V, 25,000 HOUR</b>													
	8G2503CL	3 Watt Cold Cathode G25 Globe Clear	3	15-20	120	2700	82	4.3	3.1	Clear	12		
	8G2503WH	3 Watt Cold Cathode G25 Globe White	3	15-20	120	2700	82	4.3	3.1	White	12		
	8G2505CL	5 Watt Cold Cathode G25 Globe Clear	5	25-30	200	2700	82	4.3	3.1	Clear	12		
	8G2505F	5 Watt Cold Cathode G25 Globe Frost	5	25-30	200	2700	82	4.3	3.1	Frost	12		
	8G2505WH	5 Watt Cold Cathode G25 Globe White	5	25-30	200	2700	82	4.3	3.1	White	12		
	8G2508CL	8 Watt Cold Cathode G25 Globe Clear	8	35-40	300	2700	82	4.3	3.1	Clear	12		
	8G2508WH	8 Watt Cold Cathode G25 Globe White	8	35-40	300	2700	82	4.3	3.1	White	12		

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# Cold Cathodes

Contact Customer Service for inventory availability and special orders.

Globes		Item Number	Item Description	Lamp Watts	Incandescent Comparison (Watts)	Initial Lumens	CCT (Kelvin)	CRI	MOL/Height (Inches)	Diameter/Width (Inches)	Lamp Finish	Case Quantity
R20s	R30s											
Flat Pars												
<b>G30 GLOBE COLD CATHODE 120V, 25,000 HOUR</b>												
		8G3008CL	8 Watt Cold Cathode G30 Globe Clear	8	35-40	300	2700	82	4.8	3.1	Clear Glass	12
		8G3008F	8 Watt Cold Cathode G30 Globe Frost	8	35-40	300	2700	82	4.8	3.1	Frosted Glass	12
		8G3008WH	8 Watt Cold Cathode G30 Globe White	8	35-40	300	2700	82	4.8	3.1	White Frosted Glass	12
<b>R20 REFLECTOR COLD CATHODE 120V, 25,000 HOUR</b>												
		8R2003F	3 Watt Cold Cathode R20 Reflector Frost	3	15-20	100	2700	82	3.4	2.5	Frosted Glass	12
		8R2005CL	5 Watt Cold Cathode R20 Reflector Clear	5	25-30	140	2700	82	4.0	2.5	Clear Glass	12
		8R2005F	5 Watt Cold Cathode R20 Reflector Frost	5	25-30	140	2700	82	4.0	2.5	Frosted Glass	12
<b>R30 REFLECTOR COLD CATHODE 120V, 25,000 HOUR</b>												
		8R3008F	8 Watt R30 Frost	8	35-40	300	2700	82	4.7	3.7	Frosted Glass	12
		8R3008P	8 Watt R30 Pink	8	35-40	N/A	N/A	N/A	4.7	3.7	Pink Glass	12
<b>FLAT PAR COLD CATHODE 120V, 25,000 HOUR</b>												
		8PF3008	8 Watt Flat Par30 Clear	8	35-40	260	2700	82	4.9	3.7	Clear Glass	12
		8PF3808	8 Watt Flat Par38 Clear	8	35-40	300	2700	82	5.3	4.8	Clear Glass	12



### MORE REASONS TO USE COLD CATHODES...

- Ideal choice for signs, marquees, and accent lighting
- Suitable for indoor and outdoor (base up) applications
- Energy saving replacing 15-40 watt incandescent bulbs
- Excellent for Flashing and Dimming applications without impacting lamp life
- Infinite dimming from 100 to 10%
- Innovative diagonal mount tube and center post design increases structural integrity of the 8 watt lamp



# Cold Cathode Warranty

### 25,000 Hour Cold Cathode 24 Month Warranty LIMITED WARRANTY

This TCP product is warranted for a period of 24 months from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Dr., Aurora, OH 44202) along with the original sales receipt within 24 months of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Special Application Notes:  
**UL approved for wet location in Base Up Position ONLY.**

Some of our products contain mercury. Manage according to Local, State, or Federal Disposal Laws See: [www.lamprecycle.org](http://www.lamprecycle.org) or call 1-800-771-9335

\*All data in this catalog is subject to change without notice.

With the high quality standards all our products must meet, you are guaranteed to have a lighting source that performs in the harshest environments. We've even established a UL client testing laboratory at our corporate headquarters to ensure the safety of every product you use. Our lab is ISO 17025 compliant.

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# HALOGEN



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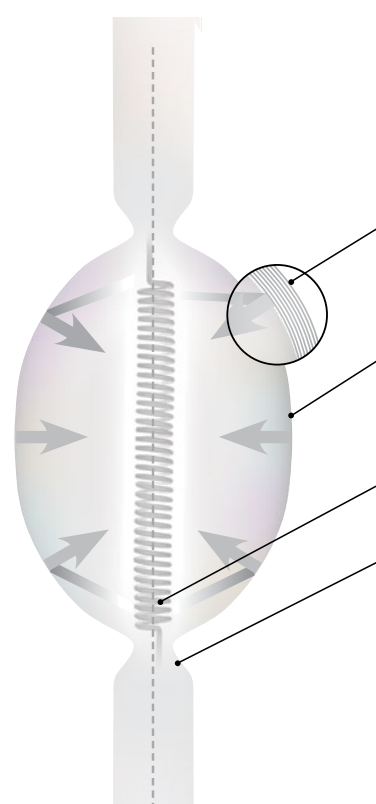
NEW Halogen Lamps

2013 CATALOG

TCP is further expanding its comprehensive portfolio of energy efficient lighting products, with the introduction of new high performance Hybrid (IR) Halogen lamps, which produce the same light output and color rendering characteristics as incandescent lamps, using as much as **50% less energy!**

That's not just smart – it's genius!

## PIRL™ TECHNOLOGY



### Precision Infra-Red Light

Multiple microscopic layers of infra-red (IR) reflective coating are applied to glass for optimal IR reflection.

Elliptical-shaped precision quartz body allows more IR energy to reflect back to the filament, creating maximum lumen output.

Filament is perfectly centered, increasing energy efficiency and lumen output.

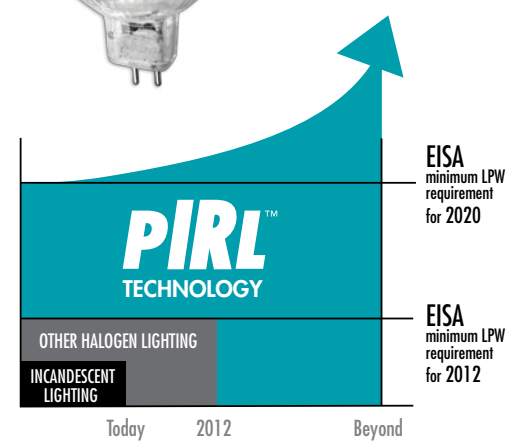
Pinched ends reduce energy loss due to convection.

Over-all symmetrical design maximizes light reflection and lumen output.

## HALOGEN

### FEATURES / BENEFITS

- Long service life to 5,000 hours (for general use)
- Perfect color rendering
- Fully dimmable
- Brighter than traditional halogen bulbs
- More energy efficient than incandescent



Item Number	Item Description	Lamp Watts	Incandescent Comparison (Watts)	Voltage	MOL/Height (Inches)	Diameter	Color	Beam Angle	Center Beam Candle Power	Base Type	STK, SPC or SPO	Case Quantity	Halogen MR16
<b>PIRL HALOGEN – MR16, GU 5.3 Base, 5,000 Hours   3000K</b>													
44113709G	37W MR16 IR-HAL 30K GU53 S9	37	50	12v	1.8	2.0	3000K	9	13,000	GU5.3	STK	20	
44113725G	37W MR16 IR-HAL 30K GU53 F25	37	50	12v	1.8	2.0	3000K	25	4,400	GU5.3	STK	20	
44113735G	37W MR16 IR-HAL 30K GU53 F35	37	50	12v	1.8	2.0	3000K	35	2,200	GU5.3	STK	20	
44113760G	37W MR16 IR-HAL 30K GU53 F60	37	50	12v	1.8	2.0	3000K	60	1,100	GU5.3	STK	20	
44115009G	50W MR16 IR-HAL 30K GU53 S9	50	70	12v	1.8	2.0	3000K	9	15,500	GU5.3	STK	20	
44115025G	50W MR16 IR-HAL 30K GU53 F25	50	70	12v	1.8	2.0	3000K	25	5,700	GU5.3	STK	20	
44115035G	50W MR16 IR-HAL 30K GU53 F35	50	70	12v	1.8	2.0	3000K	35	2,800	GU5.3	STK	20	
44115060G	50W MR16 IR-HAL 30K GU53 F60	50	70	12v	1.8	2.0	3000K	60	1,400	GU5.3	STK	20	



### LIMITED WARRANTY

LIMITED WARRANTY: This product is warranted for a period of 6 MONTHS\* from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in material or workmanship, simply call 1-800-771-9335 within 6 MONTHS\* of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

\*All data in this catalog is subject to change without notice.

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NEW Halogen Lamps

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# HID LAMPS & BALLASTS



## HID

### FEATURES / BENEFITS

- Long life
- Energy efficient
- Available in multiple wattages
- Indoor and outdoor usage
- Available with UV Guard™

### Applications:

- Street Lights
- Parking Lots
- Roadways
- Warehouses
- Interior High Bays
- Exterior/Landscape Lighting
- Industrial Lighting

### HIGH PRESSURE SODIUM

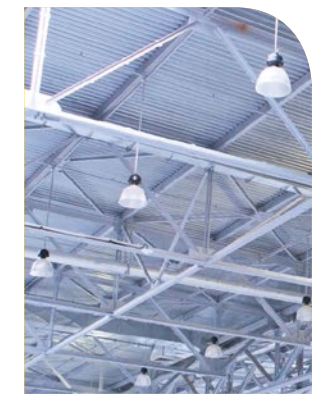


35/50/70/100/150 Watt  
Medium Base



50/70/100/150/  
250/400/1000 Watt  
Mogul Base

- Extreme Long Life
- High Lumen Per Watt  
(Up to 130 Lumens/Watt)



### PULSE START METAL HALIDE



50/70/100/150/175 Watt  
Medium Base



150/175/250/320/350/  
400/450 Watt  
Mogul Base

- Energy Saving Designs
- UV guard and 30K color temp  
available on certain models



### PROBE START METAL HALIDE & SPORTS LIGHT



175 Watt  
Medium Base



175/250/400/1000 Watt  
Mogul Base



1500 Watt Sports Light  
Mogul Base

- Replacement for Existing Installation
- High Lumen Output
- Excellent for Sports Venues

TCP's robust HID product selection is one of the reasons TCP is the **energy efficient lighting leader**. Our Metal Halide products feature Pulse Plus™ starting for fast warm-up. We also offer several lamps featuring UV Guard™ which provides up to a 90% reduction in ultraviolet light output. Rounding out this category, our High Pressure Sodium lamps are practical, long lasting, and efficient.

### High Pressure Sodium

Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Warm Up (Minutes)	Restrike (Minutes)	CRI	Finish	Diameter (Inches)	Bulb Type	Stocking or Special	Case Quantity
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#### HIGH PRESSURE SODIUM, 3 MINUTES WARM UP TIME

##### Medium Base

48110	LU35/MED	S76	2200	2000	16000+	1900	3	1	22	Clear	2.13	ED17	STK	12
48120	LU50/MED	S68	4000	3600	24000+	1900	3	1	22	Clear	2.13	ED17	STK	12
48140	LU70/MED	S62	6400	5800	24000+	2000	3	1	22	Clear	2.13	ED17	STK	12
48160	LU100/MED	S54	9000	7200	24000+	2000	3	1	22	Clear	2.13	ED17	STK	12
48180	LU150/55/MED	S55	16000	14400	24000+	2000	3	1	22	Clear	2.13	ED17	STK	6

##### Mogul Base

48210	LU50/MOG	S68	4000	3600	24000+	2000	3	1	22	Clear	3.00	ED23.5	SPC	6
48220	LU70/MOG	S62	6400	5800	24000+	2000	3	1	22	Clear	3.00	ED23.5	STK	6
48230	LU100/MOG	S54	9500	8500	24000+	2000	3	1	22	Clear	3.00	ED23.5	STK	6
48240	LU150/55/MOG	S55	16000	14400	24000+	2000	3	1	22	Clear	3.00	ED23.5	STK	6
48250	LU250/MOG	S50	28000	25200	24000+	2100	3	1	22	Clear	2.25	ED18	STK	12
48260	LU400/MOG	S51	50000	45000	24000+	2100	3	1	22	Clear	2.25	ED18	STK	12
48270	LU1000/MOG	S52	130000	117000	24000+	2100	3	2	22	Clear	3.12	E25	STK	6

Call for availability on special (SPC)

### Metal Halide Pulse Plus

Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
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#### 50 WATT PULSE PLUS METAL HALIDE, 1-2 MINUTES WARM UP TIME

46110	MH 50W/U/PS	M110/E	3400V 3100H	2200V 2000H	10000V 7500H	4000	1-2	65	Clear	U	E26	ED17	STK	12
46111	MH 50W/C/U/PS	M110/E	3200V 2900H	2100V 1900H	10000V 7500H	3700	1-2	70	Coated	U	E26	ED17	STK	12
46112	MP 50W/U/UVG/PS/3K	M110/O	3200V 2900H	2100V 1900H	10000V 7500H	3200	2-4	65	Clear	U	E26	EDX17	STK	12
46113	MP 50W/C/U/UVG/PS/3K	M110/O	3000V 2700H	2000V 1800H	10000V 7500H	3200	2-4	70	Coated	U	E26	EDX17	SPC	12

#### 70 WATT PULSE PLUS METAL HALIDE, 1-2 MINUTES WARM UP TIME

46120	MH 70W/U/PS	M98/E	5600V 5000H	3600V 3300H	15000V 11250H	4000	1-2	65	Clear	U	E26	ED17	STK	12
46121	MH 70W/C/U/PS	M98/E	5300V 4800H	3400V 3100H	15000V 11250H	3700	2-4	70	Coated	U	E26	ED17	STK	12
46124	MP 70W/U/UVG/PS	M98/O	5300V 4800H	3400V 3100H	15000V 11250H	4000	2-4	65	Clear	U	E26	EDX17	STK	12
46127	MP 70W/C/U/UVG/PS	M98/O	5000V 4500H	3300V 3000H	15000V 11250H	3700	2-4	70	Coated	U	E26	EDX17	STK	12

#### 100 WATT PULSE PLUS METAL HALIDE, 1-2 MINUTES WARM UP TIME

46130	MH 100W/U/PS	M90/E	9000V 8100H	5900V 5300H	15000V 11250H	4000	2-4	65	Clear	U	E26	ED17	STK	12
46131	MH 100W/C/U/PS	M90/E	8500V 7700H	5500V 5000H	15000V 11250H	3700	3-5	70	Coated	U	E26	ED17	STK	12
46132	MH 100W/U/PS/3K	M90/E	9000V 8100H	5900V 5300H	15000V 11250H	3200	3-5	65	Clear	U	E26	ED17	STK	12
46133	MH 100W/C/U/PS/3K	M90/E	8500V 7700H	5500V 5000H	15000V 11250H	3200	2-4	70	Coated	U	E26	ED17	STK	12
46136	MP 100W/U/UVG/PS	M90/O	8500V 7700H	5500V 5000H	15000V 11250H	4000	3-5	65	Clear	U	E26	EDX17	STK	12
46139	MP 100W/C/U/UVG/PS	M90/O	8100V 7300H	5300V 4800H	15000V 11250H	3700	3-5	70	Coated	U	E26	EDX17	STK	12

#### 150 WATT PULSE PLUS METAL HALIDE, 1-2 MINUTES WARM UP TIME

46156	MH 150W/U/PS	M102/E	14000V 12600H	10500V 9500H	9500V 8800H	4000	2-4	65	Clear	U	E26	ED17	STK	12
46158	MH 150W/U/ED28/PS	M102/E	14000V 12600H	10500V 9500H	15000V 11250H	4000	2-4	65	Clear	U	E39	ED28	STK	12
46150	MP 150W/U/UVG/PS	M102/O	13300V 12000H	10000V 9000H	15000V 11250H	4000	3-5	65	Clear	U	E26	EDX17	STK	12
46155	MP 150W/C/U/UVG/PS/3K	M102/O	12600V 11300H	9500V 8500H	15000V 11250H	3700	3-5	70	Coated	U	E26	EDX17	STK	12
46152	MP 150W/U/UVG/PS/3K	M102/O	13300V 12000H	10000V 9000H	15000V 11250H	3200	3-5	65	Clear	U	E26	EDX17	STK	12

Call for availability on special (SPC)

### Metal Halide Pulse Plus

Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
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#### 175 WATT PULSE PLUS METAL HALIDE, 1-2 MINUTES WARM UP TIME

46170	MS 175W/BU/PS	M152/E M137/E	17500	14000	15000	4000	2-4	65	Clear	BU+/-15°	E26	ED17	STK	12
46174	MS 175W/BU/PS	M152/E M137/E	17500	14000	15000	4000	2-4	65	Clear	BU+/-15°	E39	ED28	STK	12
46175	MS 175W/C/BU/PS	M152/E M137/E	16600	13300	15000	3700	2-4	70	Coated	BU+/-15°	E39	ED28	STK	12
46176	MP 175W/BU/UVG/PS	M152/O M137/O	15000	12400	15000	4000	3-5	65	Clear	BU+/-15°	E39	ED28	SPC	12
46177	MP 175W/C/BU/UVG/PS	M152/O M137/O	14300	11400	15000	3700	3-5	70	Coated	BU+/-15°	E39	ED28	SPC	12

#### 250 WATT PULSE PLUS METAL HALIDE, 2-3 MINUTES WARM UP TIME

46222	MS 250W/N/PS	M153/E M138/E	25000	20000	15000	4000	3-5	65	Clear	V+/-15°	E39	ED28	STK	12
46223	MS 250W/C/N/PS	M153/E M138/E	23800	19000	15000	3700	3-5	70	Coated	V+/-15°	E39	ED28	SPC	12
46226	MS 250W/HOR/PS	M153/E M138/E	22000	17600	15000	4000	3-5	65	Clear	HOR +/-45°	E39	ED28	STK	12

#### 320 WATT PULSE PLUS METAL HALIDE, 2-3 MINUTES WARM UP TIME

46236	MS 320W/N/ED28/PS	M154/E M132/E	33000	26000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED28	STK	12
46232	MS 320W/N/ED37/PS	M154/E M132/E	33000	26000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	SPC	6
46237	MP 320W/C/BU/ED28/UVG/PS	M154/O M132/O	29000	23000	20000	3700	5-8	70	Coated	BU+/-15°	EX39	ED28	STK	12
46239	MP 320W/C/BU/ED37/UVG/PS	M154/O M132/O	29000	23000	20000	3700	5-8	70	Coated	BU+/-15°	EX39	ED37	STK	6

#### 350 WATT PULSE PLUS METAL HALIDE, 2-3 MINUTES WARM UP TIME

46250	MS 350W/N/PS	M131/E	37000	29000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	SPC	6
46253	MS 350W/C/N/PS	M131/E	35000	28000	20000	3700	4-6	70	Coated	V+/-15°	E39	ED37	SPC	6
46254	MS 350W/N/ED28/PS	M131/E	37000	29000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED28	SPC	12

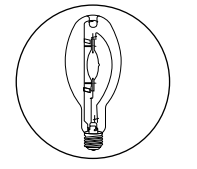
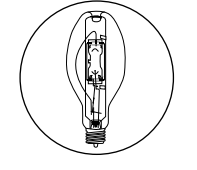
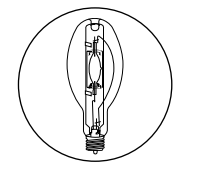
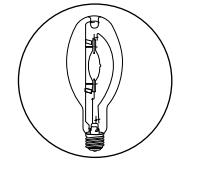
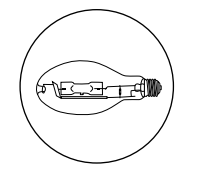
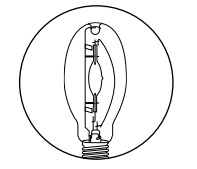
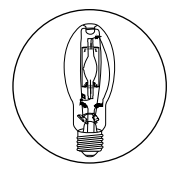
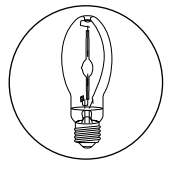
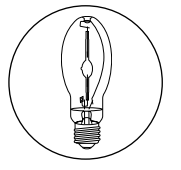
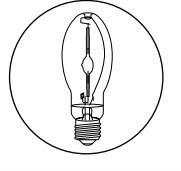
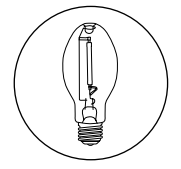
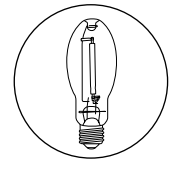
#### 400 WATT PULSE PLUS METAL HALIDE, 2-3 MINUTES WARM UP TIME

46274	MS 400W/N/PS	M155/E M135/E	44000	35000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	STK	6
46275	MS 400W/C/N/PS	M155/E M135/E	42000	33000	20000	3700	4-6	70	Coated	V+/-15°	E39	ED37	SPC	6
46273	MS 400W/C/N/ED28/PS	M155/E M135/E	42000	33000	20000	3700	4-6	70	Coated	V+/-15°	E39	ED28	STK	12
46284	MS 400W/HOR/PS	M155/E M135/E	40000	32000	12000	4000	4-6	65	Clear	HOR +/-45°	E39	ED37	SPC	6

#### 450 WATT PULSE PLUS METAL HALIDE, 2-3 MINUTES WARM UP TIME

46290	MS 450W/N/PS	M144/E	50000	40000	20000	4000	4-6	65	Clear	V+/-15°	E39	ED37	SPC	6
46292	MP 450W/BU/UVG/PS	M144/O	47000	37000	20000	4000	5-8	65	Clear	BU+/-15°	EX39	ED37	SPC	6

Call for availability on special (SPC)



Metal Halide Probe Start														
Item Number	Item Description	ANSI Ballast Code	Initial Lumens	Mean Lumens	Lamp Life	CCT (Kelvin)	Restrike (Minutes)	CRI	Finish	Operating Position	Base	Bulb Type	Stocking or Special	Case Quantity
<b>175 WATT STANDARD PROBE START METAL HALIDE, 3-5 MINUTES WARM UP TIME</b>														
46310	MH 175W/U	M57/E	14000V 12600H	9100V 8200H	10000V 7500H	4000	5-10	65	Clear	U	E39	ED28	STK	12
46311	MH 175W/C/U	M57/E	13300 V 12000H	8600 V 7800H	10000 V 7500H	3700	5-10	70	Coated	U	E39	ED28	STK	12
46317	MH 175W/U/MED	M57/E	14000V 12600H	9100V 8200H	10000V 7500H	4000	5-10	65	Clear	U	E26	ED17	STK	12
46319	MH 175W/C/U/MED	M57/E	13300V 12000H	8600V 7800H	10000V 7500H	3700	5-10	70	Coated	U	E26	ED17	STK	12
<b>250 WATT STANDARD PROBE START METAL HALIDE, 3-5 MINUTES WARM UP TIME</b>														
46320	MH 250W/U	M58/E	21000V 18900H	13700V 12300H	10000V 7500H	4000	5-10	65	Clear	U	E39	ED28	STK	12
46321	MH 250W/C/U	M58/E	20000V 18000H	13000V 11700H	10000V 7500H	3700	5-10	70	Coated	U	E39	ED28	STK	12
<b>360 WATT STANDARD PROBE START METAL HALIDE, 3-5 MINUTES WARM UP TIME</b>														
46330	MP 360W/BU	M59/O	38000	24000	20000	4000	5-10	65	Clear	U	E39	ED37	STK	6
46331	MP 360W/C/BU	M59/O	36000	23000	20000	3700	5-10	70	Coated	U	E39	ED37	STK	6
<b>400 WATT STANDARD PROBE START METAL HALIDE, 3-5 MINUTES WARM UP TIME</b>														
46340	MH 400W/U	M59/E	36000V 32400H	23000V 21100H	20000V 15000H	4000	7-12	65	Clear	U	E39	ED37	STK	6
46341	MH 400W/C/U	M59/E	34000V 30600H	22000V 19900H	20000V 15000H	3700	7-12	70	Coated	U	E39	ED37	STK	6
46352	MH 400W/U/ED28	M59/E	36000V 32400H	23000V 21100H	20000V 15000H	4000	7-12	65	Clear	U	E39	ED28	STK	12
46347	MH 400W/C/U/ED28	M59/E	34000V 30600H	22000V 19900H	20000V 15000H	3700	7-12	70	Coated	U	E39	ED28	STK	12
<b>1000 WATT STANDARD PROBE START METAL HALIDE, 3-5 MINUTES WARM UP TIME</b>														
46370	MH 1000W/U	M47/E	110000V 99000H	71000V 64400H	12000V 9000H	4000	7-12	65	Clear	U	E39	BT56	STK	6
46376	MH 1000W/U/ED37	M58/E	110000V 99000H	71000V 64400H	12000V 9000H	4000	7-12	65	Clear	U	E39	ED37	STK	6
<b>1500 WATT SPORTS LIGHT – STANDARD PROBE START METAL HALIDE, 3-5 MINUTES WARM UP TIME</b>														
46380	MH 1500W/U/BT56	M48/E	190000	123500	3000	4000	7-12	65	Clear	U	E39	BT56	STK	6

Metal Halide Kits										HID Ballast Kits					
Item Number	Item Description	ANSI Ballast Code	120	207	240	277	347	480							
TCP0070MH4T	70W Pulse Start Ballast Replacement Kit	M98	✓	✓	✓	✓									
TCP0100MH4T	100W Pulse Start Ballast Replacement Kit	M90	✓	✓	✓	✓									
TCP0150MH4T	150W Pulse Start Ballast Replacement Kit	M102	✓	✓	✓	✓									
TCP0175MH5T	175W Probe Start Ballast Replacement Kit	M57	✓	✓	✓	✓							✓		
TCP0250MH5T	250W Probe Start Ballast Replacement Kit	M58	✓	✓	✓	✓							✓		
TCP0400MH6T	400W Probe Start Ballast Replacement Kit	M59	✓	✓	✓	✓	✓	✓	✓				✓		
TCP1000MH6T	1000W Probe Start Ballast Replacement Kit	M47	✓	✓	✓	✓	✓	✓	✓				✓		
<b>HIGH PRESSURE SODIUM KITS</b>															
TCP0070HP4T	70W High Pressure Sodium Ballast Replacement Kit	S62	✓	✓	✓	✓									
TCP0100HP4T	100W High Pressure Sodium Ballast Replacement Kit	S54	✓	✓	✓	✓									
TCP0150HP4T	150W High Pressure Sodium Ballast Replacement Kit	S55	✓	✓	✓	✓									
TCP0250HP6T	250W High Pressure Sodium Ballast Replacement Kit	S50	✓	✓	✓	✓	✓	✓	✓				✓		
TCP0400HP6T	400W High Pressure Sodium Ballast Replacement Kit	S51	✓	✓	✓	✓	✓	✓	✓				✓		
TCP1000HP6T	1000W High Pressure Sodium Ballast Replacement Kit	S52	✓	✓	✓	✓	✓	✓	✓				✓		

# HID Warranties

## Metal Halide & High Pressure Sodium Lamps 12 months

### LIMITED WARRANTY

This TCP product is warranted for a period of one year from date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in materials or workmanship, simply return this product to the place of purchase or to TCP Service Center (325 Campus Drive, Aurora, OH 44202) along with the original sales receipt within one year of purchase. This product will be repaired or replaced, at TCP's option. This warranty is expressly limited to repair or replacement of the product. This warranty gives the consumer specific legal rights, which vary from state to state.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

### Metal Halide Warning

#### LAMP OPERATING CHARACTERISTICS

1) This is a discharge lamp and requires several minutes to restart and come to full brightness after a power interruption. For total load, add auxiliary ballast watts to lamp watts. 2) Color variation from lamp to lamp is an inherent characteristic of metal halide lamps. It is further influenced by variation in the operating conditions and is not an indication of lamp or system failure. As lamps age, a gradual shift in color normally appears.

**WARNING:** THIS LAMP CAN CAUSE SERIOUS SKIN BURN AND EYE INFLAMMATION FROM SHORTWAVE ULTRAVIOLET RADIATION IF THE OUTER ENVELOPE OF THE LAMP IS BROKEN OR PUNCTURED AND THE ARC TUBE CONTINUES TO OPERATE. DO NOT USE WHERE PEOPLE WILL REMAIN FOR MORE THAN A FEW MINUTES UNLESS ADEQUATE SHIELDING OR OTHER SAFETY PRECAUTIONS ARE USED. CERTAIN TYPES OF LAMPS THAT WILL AUTOMATICALLY EXTINGUISH WHEN THE OUTER ENVELOPE IS BROKEN OR PUNCTURED ARE COMMERCIALY AVAILABLE.

Complies with USA Federal Standard 21 CFR 1040.03 and Canadian Standard SOR/80-381.

If the outer envelope breaks or is punctured and lamp continues to operate, immediately turn power off and remove lamp after it has been cooled. If the arc tube is broken, avoid skin contact with any of the contents and fragments.

Some of our products contain mercury. Manage according to Local, State, or Federal Disposal Laws See: [www.lamprecycle.org](http://www.lamprecycle.org) or call 1-800-771-9335

\*All data in this catalog is subject to change without notice.

With the high quality standards all our products must meet, you are guaranteed to have a lighting source that performs in the harshest environments. We've even established a UL client testing laboratory at our corporate headquarters to ensure the safety of every product you use. Our lab is ISO 17025 compliant.

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ANSI Spec	TCP Item#	TCP Description	GE Item#	GE Description	O/S Item#	Osram/ Sylvania Description	Philips Item#	Philips Description	Venture Item#	Venture Description
<b>50 WATT PULSE START METAL HALIDE</b>										
M110/E	46110	MH 50W/U/PS	10361	MXR50/U/MED					52312	MH 50W/U/PS
M110/E	46111	MH 50W/C/U/PS	10364	MXR50/C/U/MED					13093	MH 50W/C/U/PS
M110/O	46112	MP 50W/U/UVG/PS/3K	45670	MXR50/U/MED/O (3K)	64587	MP50/U/MED (3K)			10226	MP 50W/U/UVS/PS/3K
M110/O	46113	MP 50W/C/U/UVG/PS/3K	45671	MXR50/C/U/MED/O (3K)	64588	MP50/C/U/MED (3K)			10381	MP 50W/C/U/UVS/PS/3K
<b>70 WATT PULSE START METAL HALIDE</b>										
M98/E	46120	MH 70W/U/PS	12590	MVR70/U/MED					78138	MH 70W/U/PS
M98/E	46121	MH 70W/C/U/PS	12594	MVR70/C/U/MED					12180	MH 70W/C/U/PS
M98/E	46122	MH 70W/U/ED28/PS							16017	MH 70W/U/ED28/PS
M98/O	46124	MP 70W/U/UVG/PS	12377	MXR70/U/MED/O (3K)	64547	MP70/U/MED (3K)			40389	MP 70W/U/UVS/PS
M98/O	46127	MP 70W/C/U/UVG/PS	12577	MXR70/C/U/MED/O (3K)	64546	MP70/C/U/MED (3K)			67115	MP 70W/C/U/UVS/PS
<b>100 WATT PULSE START METAL HALIDE</b>										
M90/E	46130	MH 100W/U/PS	12652	MVR100/U/MED					27266	MH 100W/U/PS
M90/E	46131	MH 100W/C/U/PS	12653	MVR100/C/U/MED					15823	MH 100W/C/U/PS
M90/E	46132	MH 100W/U/PS/3K	18680	MXR100/U/MED (3K)						
M90/E	46133	MH 100W/C/U/PS/3K	18679	MXR100/C/U/MED (3K)						
M90/O	46136	MP 100W/U/UVG/PS	12381	MXR100/U/MED/O (3K)	64417	MP100/U/MED			96267	MP 100W/U/UVS/PS
M90/O	46139	MP 100W/C/U/UVG/PS	12579	MXR100/C/U/MED/O (3K)	64418	MP100/C/U/MED			11278	MP 100W/C/U/UVS/PS
<b>150 WATT PULSE START METAL HALIDE</b>										
M102/E	46156	MH 150W/U/PS	12598	MVR 150/U/MED					99584	MH 150W/U/PS/740
M102/E	46158	MH 150W/U/ED28/PS							13556	MH 150W/U/ED28/PS
M102/O	46150	MP 150W/U/UVG/PS			64403	MPD150/U/MED/840			22455	MP 150W/U/UVS/PS/740
M102/O	46152	MP 150W/U/UVG/PS/3K	45683	MXR150/U/MED/O	64402	MP150/U/MED (3K)			22522	MP 150W/U/UVS/PS/732
M102/O	46155	MP 150W/C/U/UVG/PS/3K	45688	MXR 150/C/U/MED/O	64425	MPD150/C/U/MED/840			80039	MP 150W/C/U/UVS/PS/732
<b>175 WATT PULSE START METAL HALIDE (*175 WATT PULSE START LAMPS CAN ALSO HAVE AN ANSI CODE OF M137/E &amp; M137/O)</b>										
M152/E	46174	MS 175W/BU/PS	12622	MVR175/VBU/PA	64815	MS175/PS/BU-ONLY	27662-6	MS175/BU/PS	68475	MS 175W/BU/PS
M152/E	46175	MS 175W/C/BU/PS	12633	MVR175/C/VBU/PA	64816	MS175/C/PS/BU-ONLY			68246	MS 175W/C/BU/PS
M152/O	46176	MP 175W/BU/UVG/PS	49470	MVR175/VBU/O					69854	MP 175W/BU/UVS/PS/740
M152/O	46177	MP 175W/C/BU/UVG/PS	11649	MVR175/C/VBU/O					42346	MP 175W/C/BU/UVS/PS/737
<b>250 WATT PULSE START METAL HALIDE (*250 WATT PULSE START LAMPS CAN ALSO HAVE AN ANSI CODE OF M138/E &amp; M138/O)</b>										
M153/E	46222	MS 250W/V/PS	26317	MVR250/VBU/PA	64578	MS250/PS/BU-ONLY	27661-8	MS250/BU/PS	49621	MS 250W/V/PS
M153/E	46223	MS 250W/C/V/PS	26319	MVR250/C/VBU/PA	64617	MS250/C/PS/BU-ONLY			81365	MS 250W/C/V/PS
M153/E	46226	MS 250W/HOR/PS	72882	MVR250/HOR/PA						
<b>320 WATT PULSE START METAL HALIDE (*320 WATT PULSE START LAMPS CAN ALSO HAVE AN ANSI CODE OF M132/E &amp; M132/O)</b>										
M154/E	46236	MS 320W/V/ED28/PS	27501	MVR320/VBU/HO/PA	64507	MS320/PS/BU-HOR	38381-0	MS320/U/PS	59194	MS 320W/V/ED28/PS
M154/E	46232	MS 320W/V/ED37/PS							52236	MS 320W/V/ED37/PS
M154/O	46237	MP 320W/C/BU/ED28/UVG/PS	19609	MVR320/C/ED28/PA	64349	MP320/350/C/PS/BU-ONLY/BT28			10104	MP 320W/C/BU/ED28/UVS/PS
M154/O	46239	MP 320W/C/BU/ED37/UVG/PS	46276	MVR320/C/VBU/XHO/PA			13040-1	MP320/C/BU/PS	32795	MP 320W/C/BU/ED37/UVS/PS
<b>350 WATT PULSE START METAL HALIDE</b>										
M131/E	46250	MS 350W/V/PS	23729	MVR350/VBU/XHO/PA			38387-7	MS350/BU/PS	98389	MS 350W/V/PS
M131/E	46253	MS 350W/C/V/PS	23738	MVR350/C/VBU/XHO/PA			38388-5	MS350/C/BU/PS	71329	MS 350W/C/V/PS
M131/E	46254	MS 350W/V/ED28/PS							52980	MS 350W/V/ED28/PS

ANSI Spec	TCP Item#	TCP Description	GE Item#	GE Description	O/S Item#	Osram/ Sylvania Description	Philips Item#	Philips Description	Venture Item#	Venture Description
<b>400 WATT PULSE START METAL HALIDE</b>										
M155/E	46274	MS 400W/V/PS	45664	MVR400/VBU/HO/PA	64525	MS400/PS/BU-ONLY	27816-8	MS400/BU/PS	73531	MS 400W/V/PS
M155/E	46275	MS 400W/C/V/PS	12644	MVR400/C/VBU/XHO/PA	64527	MS400/C/PS/BU-ONLY	28362-2	MS400/C/BU/PS	42401	MS 400W/C/V/PS
M155/E	46273	MS 400W/C/V/ED28/PS	46271	MVR400/C/VBU/ED28/PA					46416	MS 400W/C/V/ED28/PS
M155/E	46284	MS 400W/HOR/PS	72886	MVR400/HOR/PA			14475-8	MS400/HOR/PS	58788	MH 400W/H75/PS
<b>450 WATT PULSE START METAL HALIDE</b>										
M144/E	46290	MS 450W/V/PS							10079	MS 450W/V/PS
M144/O	46292	MP 450W/BU/UVG/PS							65072	MP 450W/BU/UVS/PS
<b>175 WATT STANDARD PROBE START METAL HALIDE</b>										
M57/E	46310	MH 175W/U	47760	MVR175/U	64471	M175/U	28733-4	MH175/U	88791	MH 175W/U
M57/E	46311	MH 175W/C/U	47761	MVR175/C/U	64472	M175/C/U	28728-4	MH175/C/U	96627	MH 175W/C/U
M57/E	46317	MH 175W/U/MED	18902	MVR175/U/MED	64479	M175/U/MED	31358-5	MH175/U/M	15556	MH 175W/U/MED
M57/E	46319	MH 175W/C/U/MED	19976	MVR175/C/U/MED	64480	M175/C/U/MED	31359-3	MH175/C/U/M	63187	MH 175W/C/U/MED
<b>250 WATT STANDARD PROBE START METAL HALIDE</b>										
M58/E	46320	MH 250W/U	42729	MVR250/U	64457	M250/U	27484-5	MH250/U	63052	MH 250W/U
M58/E	46321	MH 250W/C/U	42731	MVR250/C/U	64458	M250/C/U	29169-0	MH250/C/U	61290	MH 250W/C/U
<b>360 WATT STANDARD PROBE START METAL HALIDE</b>										
M59/O	46330	MP 360W/BU	40056	MVR360/VBUWM/HO/O	64737	MSP360/SS/BU-ONLY			38029	MPI 360W/BU/EM
M59/O	46331	MP 360W/C/BU	11685	MVR360/C/VBUWM/HO/O	64738	MSP360/C/SS/BU-ONLY			67293	MPI 360W/C/BU/EM
<b>400 WATT STANDARD PROBE START METAL HALIDE</b>										
M59/E	46340	MH 400W/U	43828	MVR400/U	64490	M400/U	34415-0	MH400/U	18520	MH 400W/U
M59/E	46341	MH 400W/C/U	43829	MVR400/C/U	64492	M400/C/U	34416-8	MH400/C/U	83545	MH 400W/C/U
M59/E	46352	MH 400W/U/ED28	18904	MVR400/U/ED28	64488	M400/U/ED28	27862-2	MH400/U/ED28	57540	MH 400W/U/ED28
M59/E	46347	MH 400W/C/U/ED28	19979	MVR400/C/U/ED28	64489	M400/C/U/ED28			20753	MH 400W/C/U/ED28
<b>1000 WATT STANDARD PROBE START METAL HALIDE</b>										
M47/E	46370	MH 1000W/U	41826	MVR1000/U	64468	M1000/U	29826-5	MH1000/U	72051	MH 1000W/U
M47/E	46376	MH 1000W/U/ED37	18205	MVR1000/U/BT37	64469	M1000/U/BT37			15332	MH 1000W/U/BT37
<b>1500 WATT STANDARD PROBE START METAL HALIDE</b>										
M48/E	46380	MH 1500W/U/BT56	47326	MVR1500/U/SPORTS	64431	M1500/BUHOR			12342	MH 1500W/U/XL
<b>MEDIUM BASED HIGH PRESSURE SODIUM</b>										
S76	48110	LU35/MED	11668	LU35/MED	67500	LU35/MED	30632-4	C35S76/M	108102	LU35/MED
S68	48120	LU50/MED	11345	LU50/MED	67502	LU50/MED	30336-2	C50S68/M	108104	LU50/MED
S62	48140	LU70/MED	11339	LU70/MED	67504	LU70/MED	33192-6	C70S62/M	108106	LU70/MED
S54	48160	LU100/MED	13250	LU100/MED	67506	LU100/MED	34446-5	C100S54/M	108108	LU100/MED
S55	48180	LU150/55/MED	13252	LU150/MED	67508	LU150/55/MED	30347-9	C150S55/M	108110	LU150/MED
<b>MOGUL BASED HIGH PRESSURE SODIUM</b>										
S68	48120	LU50/MOG	44975	LU50	67510	LU50/ECO	36867-0	C50S68	208120	LU50
S62	48220	LU70/MOG	44033	LU70	67512	LU70/ECO	36869-6	C70S62	208122	LU70
S54	48230	LU100/MOG	44037	LU100	67514	LU100/ECO	36872-0	C100S54	208124	LU100
S55	48240	LU150/55/MOG	44043	LU150/55	67516	LU50/55/ECO	36874-6	C150S55	208126	LU150
S50	48250	LU250/MOG	44047	LU250	67578	LU250/ECO	36879-5	C250S50	208130	LU250
S51	48260	LU400/MOG	44054	LU400	67533	LU400/ECO	36881-1	C400S51	208132	LU400
S52	48270	LU1000/MOG	44058	LU1000/ECO	67307	LU1000	36883-7	C1000S52	279547	LU1000

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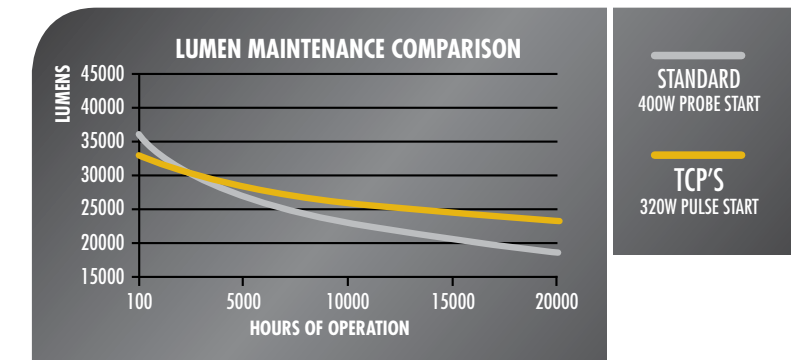
# HID Technical Data

# Why Pulse is Plus

TCP Pulse Plus Lamps are more energy efficient and provide better lighting. By replacing standard Probe Start Lamps with TCP's Pulse Plus™ Lamps, you can increase efficacy by up to 24% and better lumen maintenance by up to 15%!

### Benefits:

- + Brighter, better quality lighting
- + Energy Savings
- + Energy utility rebates, reducing pay-back period
- + Longer lamp life
- + Reduced Maintenance Costs



TCP's Pulse Plus lamps are brighter, saving even more energy!

## High Intensity Discharge Technical Information

### Lamp Description Codes

Each TCP lamp has an imprinted monogram code that identifies the important features needed to select a replacement. For better interpretation and selection of lamp types, the lamp description code used to identify TCP lamps appears below. Each lamp description follows the lamp standards used in the industry.

### Metal Halide Description Code Example:

Lamp type: MP100W/U/UVG/PS, 100 watt Pulse Plus lamp, open fixture rated, universal burning position, UV Guard™, 4000 Kelvin color temperature.

<b>MP</b>	<b>100W</b>	<b>U</b>	<b>UVG</b>	<b>PS</b>	
Metal Halide Lamp Type	Lamp Wattage	Operating Position, Base-Up	Ultra Violet Guard	Pulse Start Lamp	Color temperature family, 4K unless otherwise stated

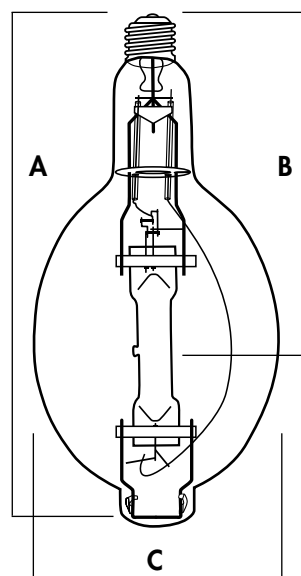
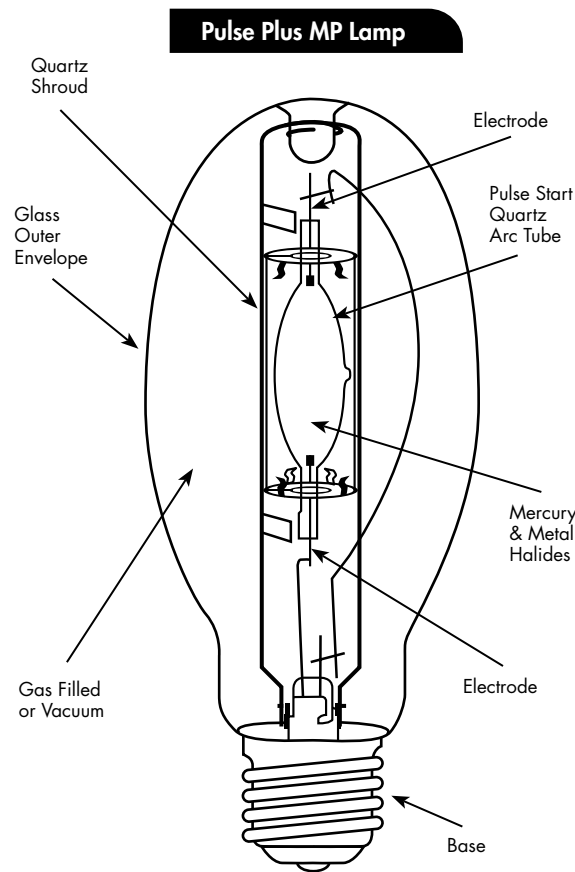
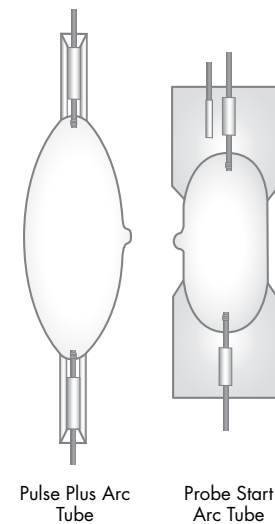
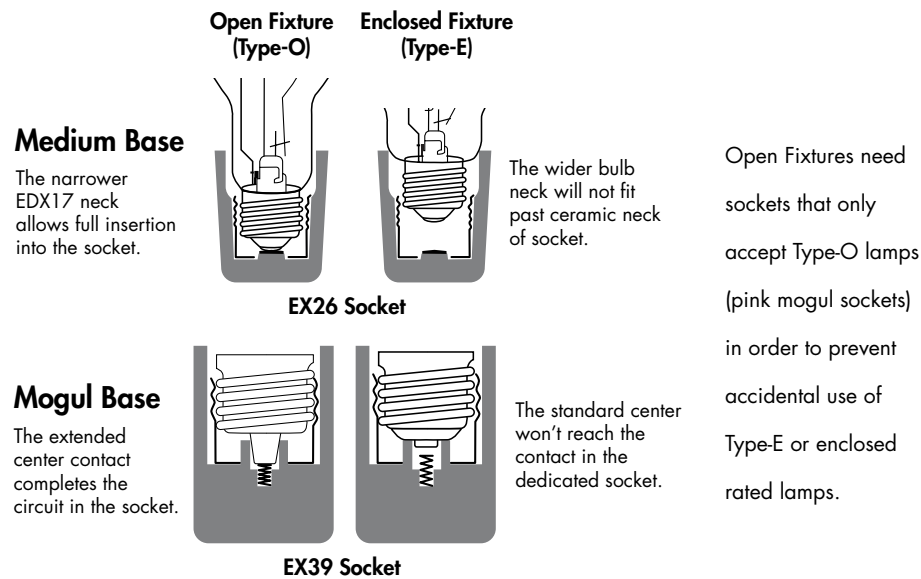
### High Pressure Sodium Description Code Example:

Lamp type: LU70/MOG, 70 watt universal burning high pressure sodium lamp with a mogul base (E39). All HPS lamps can be used in the universal burn position.

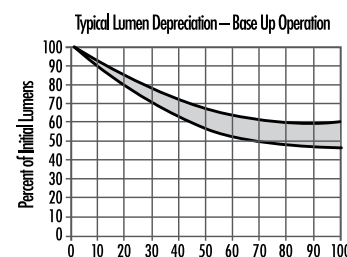
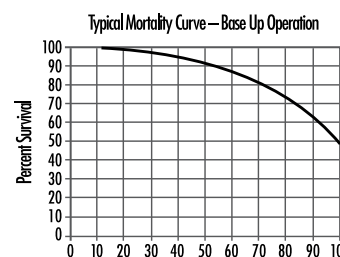
<b>LU</b>	<b>70</b>	<b>MOG</b>
High Pressure Sodium lamp type	Lamp wattage	Mogul base E39

### Lamp Description Codes:

- BU** Lamps designed for base up (±15°) operating position
- C** Lamps with a phosphor coated (diffuse) outer jacket
- ED##** Bulb shape and diameter in 1/8 inches (i.e. diameter of ED28 is 3.5 in.)
- HOR** Horizontal operating position (HOR ±45°)
- LU** High Pressure Sodium
- MED** Medium base E26
- MH** Metal Halide, typically universal
- MOG** Mogul base E39
- MP** Lamps with protected (shrouded) arc tube designed for open luminaries
- MS** High output metal halide lamps for dedicated operating positions, a "BU", "V", or "HOR"
- PS** Pulse start lamp
- U** Universal operating position
- UVG** UV Guard™ lamps with reduced ultraviolet output
- V** Lamps designed for a vertical (±15°) operating position



Bulb	(A) MOL	(B) LCL	(C) Bulb Diameter
ED17	5.44"	3.38"	2.13"
ED18	9.76"	5.75"	2.25"
ED23.5	7.75"	5.00"	3.00"
E25	15.08"	8.74"	3.12"
ED28	8.31"	5.00"	3.50"
ED37	11.50"	7.00"	4.63"
BT56	15.38"	9.84"	7.00"



Refer to lamp specification for operating position

# LINEAR

## LAMPS + BALLASTS



TCP 28W  
31028T541 0611150  
4100K Made in China

TCP is the logical choice for energy efficient lamps and ballasts. Our innovative technology and cost-effective energy efficient systems save time and money. TCP's high efficiency T8 and T5 systems provide a great selection for any application.

## Linear

### Ballasts

FEATURES / BENEFITS

- Universal Volts
- Multiple Ballast Factors
- Specialized Electronic Circuitry
- High Frequency
- 5 Year Warranty
- Quiet Operation
- Anti-Striation Control
- Active Power Factor Correction



T5 and T8 Ballasts



Occupancy Sensors



Emergency Ballasts

### Lamps

FEATURES / BENEFITS

- Long Lamp Life
- High Initial Lumens
- Excellent Lumen Maintenance
- Low Operating Cost
- High Color Rendering
- Various Color Temperatures Available
- Shatter Resistant Coating Available



T8 Retrofit Kits



T5 Lamps



T8 Lamps



U-Bend Lamp – 1.375"



U-Bend Lamp – 6"

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**T8 Lamps**
**T5 Lamps**

T8 LAMPS, MEDIUM BI-PIN												
Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity	
<b>32W</b>	31032830	F32T8/830	32	24000	2950	2800	3000	85	1	48	Medium Bi-Pin	25
	31032835	F32T8/835	32	24000	2950	2800	3500	85	1	48	Medium Bi-Pin	25
	31032841	F32T8/841	32	24000	2950	2800	4100	85	1	48	Medium Bi-Pin	25
	31032850	F32T8/850	32	24000	2950	2800	5000	85	1	48	Medium Bi-Pin	25
<b>28W</b>	31028830	F28T8/830	28	24000	2725	2555	3000	85	1	48	Medium Bi-Pin	25
	31028835	F28T8/835	28	24000	2725	2555	3500	85	1	48	Medium Bi-Pin	25
	31028841	F28T8/841	28	24000	2725	2555	4100	85	1	48	Medium Bi-Pin	25
	31028850	F28T8/850	28	24000	2625	2470	5000	85	1	48	Medium Bi-Pin	25
<b>25W 4FT</b>	310254F830	F25T8/830	25	24000	2500	2450	3000	85	1	48	Medium Bi-Pin	25
	310254F835	F25T8/835	25	24000	2500	2450	3500	85	1	48	Medium Bi-Pin	25
	310254F841	F25T8/841	25	24000	2500	2450	4100	85	1	48	Medium Bi-Pin	25
	310254F850	F25T8/850	25	24000	2500	2450	5000	85	1	48	Medium Bi-Pin	25
<b>25W 3FT</b>	31025830	F25T8/830	25	24000	2225	2050	3000	85	1	36	Medium Bi-Pin	25
	31025835	F25T8/835	25	24000	2225	2050	3500	85	1	36	Medium Bi-Pin	25
	31025841	F25T8/841	25	24000	2225	2050	4100	85	1	36	Medium Bi-Pin	25
	31025850	F25T8/850	25	24000	2225	2050	5000	85	1	36	Medium Bi-Pin	25
<b>17W</b>	31017830	F17T8/830	17	24000	1400	1275	3000	85	1	24	Medium Bi-Pin	25
	31017835	F17T8/835	17	24000	1400	1275	3500	85	1	24	Medium Bi-Pin	25
	31017841	F17T8/841	17	24000	1400	1275	4100	85	1	24	Medium Bi-Pin	25
	31017850	F17T8/850	17	24000	1400	1275	5000	85	1	24	Medium Bi-Pin	25

T8 HIGH LUMEN LAMPS, MEDIUM BI-PIN												
Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity	
<b>32W</b>	31032830HL	F32T8/830/HL	32	24000	3100	2915	3000	85	1	48	Medium Bi-Pin	25
	31032835HL	F32T8/835/HL	32	24000	3100	2915	3500	85	1	48	Medium Bi-Pin	25
	31032841HL	F32T8/841/HL	32	24000	3100	2915	4100	85	1	48	Medium Bi-Pin	25
	31032850HL	F32T8/850/HL	32	24000	3100	2915	5000	85	1	48	Medium Bi-Pin	25

T5HO LAMPS, MINIATURE BI-PIN												
Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity	
<b>54W</b>	31054830	F54T5HO/830	54	24000	5000	4750	3000	85	0.625	45.2	Miniature Bi-Pin	40
	31054835	F54T5HO/835	54	24000	5000	4750	3500	85	0.625	45.2	Miniature Bi-Pin	40
	31054841	F54T5HO/841	54	24000	5000	4750	4100	85	0.625	45.2	Miniature Bi-Pin	40
	31054850	F54T5HO/850	54	24000	5000	4750	5000	85	0.625	45.2	Miniature Bi-Pin	40
	31054865	F54T5HO/865	54	24000	5000	4750	6500	85	0.625	45.2	Miniature Bi-Pin	40
<b>49W</b>	31049830	F49T5HO/830	49	24000	4500	4275	3000	85	0.625	45.2	Miniature Bi-Pin	40
	31049835	F49T5HO/835	49	24000	4500	4275	3500	85	0.625	45.2	Miniature Bi-Pin	40
	31049841	F49T5HO/841	49	24000	4500	4275	4100	85	0.625	45.2	Miniature Bi-Pin	40
	31049850	F49T5HO/850	49	24000	4500	4275	5000	85	0.625	45.2	Miniature Bi-Pin	40
	31049865	F49T5HO/865	49	24000	4500	4275	6500	85	0.625	45.2	Miniature Bi-Pin	40
<b>24W</b>	31024T5830	F24T5HO/830	24	24000	2000	1850	3000	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5835	F24T5HO/835	24	24000	2000	1850	3500	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5841	F24T5HO/841	24	24000	2000	1850	4100	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5850	F24T5HO/850	24	24000	2000	1850	5000	85	0.625	21.6	Miniature Bi-Pin	40
	31024T5865	F24T5HO/865	24	24000	2000	1850	6500	85	0.625	21.6	Miniature Bi-Pin	40

T5 LAMPS, MINIATURE BI-PIN												
Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity	
<b>28W</b>	31028T5830	F28T5/830	28	20000	2900	2750	3000	85	0.625	45.2	Miniature Bi-Pin	40
	31028T5835	F28T5/835	28	20000	2900	2750	3500	85	0.625	45.2	Miniature Bi-Pin	40
	31028T5841	F28T5/841	28	20000	2900	2750	4100	85	0.625	45.2	Miniature Bi-Pin	40
	31028T5850	F28T5/850	28	20000	2900	2750	5000	85	0.625	45.2	Miniature Bi-Pin	40
	31028T5865	F28T5/865	28	20000	2900	2750	6500	85	0.625	45.2	Miniature Bi-Pin	40

**U-Bend Lamps**
**Ballasts**

T8 U-BEND LAMPS, MEDIUM BI-PIN											
Item Number	Item Description	Lamp Watts	Lamp Life (Hours) At 3 hours per start	Initial Lumens	Mean Lumens	CCT (Kelvin)	CRI	Diameter (Inches)	Length (Inches)	Base Type	Case Quantity
31032830U6	FB32T8/830/6	32	20000	2900	2755	3000	85	1	22.5	Med. Bi-Pin	10
31032835U6	FB32T8/835/6	32	20000	2900	2755	3500	85	1	22.5	Med. Bi-Pin	10
31032841U6	FB32T8/841/6	32	20000	2900	2755	4100	85	1	22.5	Med. Bi-Pin	10
31032850U6	FB32T8/850/6	32	20000	2900	2755	5000	85	1	22.5	Med. Bi-Pin	10
31031830U1	FB31T8/830/1	31	20000	2775	2635	3000	85	1	22.5	Med. Bi-Pin	10
31031835U1	FB31T8/835/1	31	20000	2775	2635	3500	85	1	22.5	Med. Bi-Pin	10
31031841U1	FB31T8/841/1	31	20000	2775	2635	4100	85	1	22.5	Med. Bi-Pin	10

Next Generation Item Numbers	Item Description	Ballast Factor	Number of Lamps	Length (Inches)	Width (Inches)	Height (Inches)

32W T8 ELECTRONIC INSTANT START BALLASTS, 5 YEAR WARRANTY, 120-277 VOLTS, <10% THD, NEMA PREMIUM, CEE LISTED						
E4P32ISUNVHE	T8 4 Lamp Instant Start, High Ballast Factor, High Efficiency	1.18	4 or 3	9.5	1.70	1.20
E4P32ISUNVE	T8 4 Lamp Instant Start, Normal Ballast Factor, High Efficiency	0.88	4 or 3	9.5	1.70	1.20
E4P32ISUNVLE	T8 4 Lamp Instant Start, Low Ballast Factor, High Efficiency	0.78	4 or 3	9.5	1.70	1.20
E3P32ISUNVHE	T8 3 Lamp Instant Start, High Ballast Factor, High Efficiency	1.18	3 or 2	9.5	1.30	1.20
E3P32ISUNVE	T8 3 Lamp Instant Start, Normal Ballast Factor, High Efficiency	0.88	3 or 2	9.5	1.30	1.20
E3P32ISUNVLE	T8 3 Lamp Instant Start, Low Ballast Factor, High Efficiency	0.78	3 or 2	9.5	1.30	1.20
E2P32ISUNVHE	T8 2 Lamp Instant Start, High Ballast Factor, High Efficiency	1.18	2 or 1	9.5	1.30	1.20
E2P32ISUNVE	T8 2 Lamp Instant Start, Normal Ballast Factor, High Efficiency	0.88	2 or 1	9.5	1.30	1.20
E2P32ISUNVLE	T8 2 Lamp Instant Start, Low Ballast Factor, High Efficiency	0.78	2 or 1	9.5	1.30	1.20

32W T8 ELECTRONIC PROGRAM START BALLASTS, 5 YEAR WARRANTY, 120-277 VOLTS, <10% THD, NEMA PREMIUM, CEE LISTED						
E4P32PSUNVHE	T8 4 Lamp Program Start, High Ballast Factor, High Efficiency	1.18	4 or 3	11.75	1.70	1.20
E4P32PSUNVE	T8 4 Lamp Program Start, Normal Ballast Factor, High Efficiency	0.87	4 or 3	9.5	1.70	1.20
E4P32PSUNVLE	T8 4 Lamp Program Start, Low Ballast Factor, High Efficiency	0.77	4 or 3	9.5	1.70	1.20
E3P32PSUNVHE	T8 3 Lamp Program Start, High Ballast Factor, High Efficiency	1.18	3 or 2	9.5	1.70	1.20
E3P32PSUNVE	T8 3 Lamp Program Start, Normal Ballast Factor, High Efficiency	0.87	3 or 2	9.5	1.70	1.20
E3P32PSUNVLE	T8 3 Lamp Program Start, Low Ballast Factor, High Efficiency	0.77	3 or 2	9.5	1.70	1.20
E2P32PSUNVHE	T8 2 Lamp Program Start, High Ballast Factor, High Efficiency	1.18	2 or 1	9.5	1.70	1.20
E2P32PSUNVE	T8 2 Lamp Program Start, Normal Ballast Factor, High Efficiency	0.87	2 or 1	9.5	1.30	1.20
E2P32PSUNVLE	T8 2 Lamp Program Start, Low Ballast Factor, High Efficiency	0.77	2 or 1	9.5	1.30	1.20

59W T8 ELECTRONIC INSTANT START BALLASTS, 5 YEAR WARRANTY, 120-277 VOLTS, <10% THD						
TCP2P59ISUNV	T8 59W 2 lamp Instant Start, Normal Ballast Factor	0.88	2 or 1	9.5	16.2	1.20

54W T5 ELECTRONIC PROGRAM START BALLASTS, 5 YEAR WARRANTY, 120-277 VOLTS, <10% THD						
E4P54PRSUNVE	T5 4 Lamp Program Start, High Efficiency	1.00	4 or 3	16.75	1.75	1.20
E2P54PRSUNVE	T5 2 Lamp Program Start, High Efficiency	1.00	2 or 1	9.5	1.75	1.20

See spec sheet for input watts, current amps and ballast efficacy factor.  
\* Operates T8 32W, 28W, 25W and 17W Lamps



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Linear Lamps & Ballasts

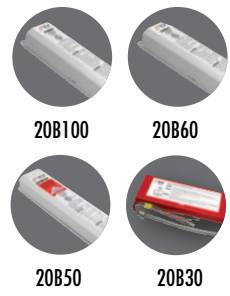
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Linear Lamps & Ballasts

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Item Number	Item Description	Lumens	# of Lamps Supported		Length	Width	Height	Weight (lbs)
			T8	T5				
<b>LINEAR FLUORESCENT EMERGENCY BALLASTS, 120 OR 277 VOLTS</b>								
20B100	Emergency Ballast 500 Lumens T8 Only	500	1	none	9.4	2.4	1.5	1.4
20B2PIN	2-Pin Emergency Ballast 650 Lumens	650	1	none	9.4	2.4	1.5	1.4
20B4PIN	4-Pin Emergency Ballast 650 Lumens	650	1	none	9.4	2.4	1.5	1.4
20B60	Emergency Ballast 700 Lumens T8 Only	700	1 or 2	none	9.4	2.4	1.5	2.5
20B50	Emergency Ballast 1400 Lumens T8 or T5	1400	1 or 2	1	13.3	2.4	1.5	2.5
20B30	Emergency Ballast 3000 Lumens T8 or T5	3000	1 or 2	1 or 2	16.4	5.6	1.8	7.8
20LP550	Emergency Ballast 800 Lumens T5 Only	800	none	1	17.5	1.1	1.2	1.7



## Pre-wired Replacement Ballasts

Item Number	Item Description	Ballast Included	Number of Sockets

RETROFIT BALLASTS				
High Ballast Factor	RETROBALHARNWD1	4 Foot, 1-Lamp Retrofit Ballast, High Ballast Factor	E2P32ISUNVHE	2
	RETROBALHARNWD2	4 Foot, 2-Lamp Retrofit Ballast, High Ballast Factor	E2P32ISUNVHE	4
	RETROBALHARNWD3	4 Foot, 3-Lamp Retrofit Ballast, High Ballast Factor	E3P32ISUNVHE	6
	RETROBALHARNWD4	4 or 8 Foot, 4-Lamp Retrofit Ballast, High Ballast Factor	E4P32ISUNVHE	8
Normal Ballast Factor	RETROBALHARNWD1N	4 Foot, 1-Lamp Retrofit Ballast, Normal Ballast Factor	E2P32ISUNVE	2
	RETROBALHARNWD2N	4 Foot, 2-Lamp Retrofit Ballast, Normal Ballast Factor	E2P32ISUNVE	4
	RETROBALHARNWD3N	4 Foot, 3-Lamp Retrofit Ballast, Normal Ballast Factor	E3P32ISUNVE	6
	RETROBALHARNWD4N	4 or 8 Foot, 4-Lamp Retrofit Ballast, Normal Ballast Factor	E4P32ISUNVE	8
Low Ballast Factor	RETROBALHARNWD1L	4 Foot, 1-Lamp Retrofit Ballast, Low Ballast Factor	E2P32ISUNVLE	2
	RETROBALHARNWD2L	4 Foot, 2-Lamp Retrofit Ballast, Low Ballast Factor	E2P32ISUNVLE	4
	RETROBALHARNWD3L	4 Foot, 3-Lamp Retrofit Ballast, Low Ballast Factor	E3P32ISUNVLE	6
	RETROBALHARNWD4L	4 or 8 Foot, 4-Lamp Retrofit Ballast, Low Ballast Factor	E4P32ISUNVLE	8

**SNAP!**  
**RETROFIT IN A JIFFY**  
 with our Pre-assembled Kits!

Switching out obsolete T12 lamps and replacing them with T8s couldn't be easier!

With our pre-assembled wire/ballast/lamp holder kits, retrofitting is a snap! We even include the pre-wired disconnect.

## Complete Retrofit Kits



- Lamp holder brackets for troffers are white-painted aluminum for long life
- Adjustable "Clip Strip" adjusts to any channel size between 4" and 5.25"
- Ballast covers fit up to a 5.25" channel, and is white-painted aluminum for long life
- 2' and 4' aluminum troffer reflectors are available in a Miro4 or white finish (2 or 3 lamp)
- 4' aluminum strip reflectors are available in a Miro4 or white finish
- Ballasts, lamp holders and quick disconnects are pre-wired and shrink-wrapped for a simplified installation process

TCP pre-wires and individually wraps the ballast, lamp holders and quick disconnect for faster installation!

Hardware	Lamp Quantity	Fixture Length	Kit Components (All kits contain ballast sets)	Ballast	Lamps & Color Temperatures
CLR - Strips and Non-Troffer Hardware	1	4 = 4 Foot	<b>B</b> - Brackets, Hardware <b>L</b> - Lamps <b>R</b> - Brackets, Hardware, Lamps, Reflector <b>S</b> - Brackets, Hardware, Lamps, Strip Cover <b>WR</b> - Brackets, Hardware, Lamps, White Reflector <b>WY</b> - Brackets, Hardware, White Reflector <b>X</b> - Brackets, Hardware, Lamps <b>Y</b> - Brackets, Hardware, Reflector <b>Z</b> - Brackets, Hardware, Strip Cover	<b>LB</b> - Low Ballast Factor <b>NB</b> - Normal Ballast Factor <b>Leave Blank for High Ballast Factor</b>	For 28 Watt and/or a different color, add <b>XXYY</b> to the end of the model number. XX = wattage YY = color temp. <b>Leave Blank for 32W, 3500K Lamps</b>
	2	8 = 8 Foot			
	3				
	4				
Hardware	Fixture Dimensions	Kit Components (All kits contain ballast sets)	Ballast	Lamps & Color Temperatures	
CTR - 2 or 3 Lamp Troffer	22 - 2 x 2 / 2 Lamp	<b>R</b> - Brackets, Hardware, Lamps, Reflector <b>WR</b> - Brackets, Hardware, Lamps, White Reflector <b>WY</b> - Brackets, Hardware, White Reflector <b>Y</b> - Brackets, Hardware, Reflector	<b>LB</b> - Low Ballast Factor <b>NB</b> - Normal Ballast Factor <b>Leave Blank for High Ballast Factor</b>	For 28 Watt and/or a different color, add <b>XXYY</b> to the end of the model number. XX = wattage YY = color temp. <b>Leave Blank for 32W, 3500K Lamps</b>	
	24 - 2 x 4 / 2 Lamp				
	223 - 2 x 2 / 3 Lamp				
	243 - 2 x 4 / 3 Lamp				

## Linear Warranties

Please see page 73 in the Linear Luminaire Section.

\*All data in this catalog is subject to change without notice.



Some of our products contain mercury. Manage according to Local, State, or Federal Disposal Laws. See: [www.lamprecycle.org](http://www.lamprecycle.org) or call 1-800-771-9335

# LINEAR LUMINAIRES



## QUICK SHIP

Ask about our program.

800.324.1496

\*Lamps are available to order, but pre-lamped fixtures are not part of the Quick Ship program.

### Elite T8/T5HO Quick Ship - Elite High Bay Luminaire, 98% Miro® 4 reflector

PART #	DESCRIPTION	AVAILABLE HANGING KITS (ordered separately)
EL4SA432UNIH10CSPF	Elite Miro4 4' 32w T8 4-Lamp HBF with 10' cord only and single packed	<b>EZHANGER</b> - 15' adjustable aircraft cable hanging kit
EL4SA454UNIV10CSPF	Elite Miro4 4' 54w T5HO 4-Lamp with 10' cord only and single packed	<b>12Pendantkit</b> - Mounting kit for 1/2" pendants
EL4SA632UNIH10CSPF	Elite Miro4 4' 32w T8 6-Lamp HBF with 10' cord only and single packed	<b>34Pendantkit</b> - Mounting kit for 3/4" pendants
EL4SA654UNIV10CSPF	Elite Miro4 4' 54w T5HO 6-Lamp with 10' cord only and single packed	<b>LHKIT</b> - Single Point Hook Mounting Kit complete
		<b>AVAILABLE ACCESSORIES (ordered separately)</b>
		<b>ELITELENSKIT</b> - Elite lens kit complete with lens, wider endcaps, and hardware.
		<b>FWGL</b> - Wire Guard kit complete with Wire Guard and hardware (for use with lens)
		<b>FWG</b> - Wire Guard kit complete with Wire Guard and hardware (for use without lens)

### Modified Green Hi-Bay T8/T5HO Quick Ship - I-Beam, 20 gauge steel, 95% RA reflector

PART #	DESCRIPTION	AVAILABLE WIRE GUARD KITS
MG4RA432UNIH10CSPF	Modified Green Hi Bay 4' 32w T8 4-Lamp HBF with 10' cord only and single packed	<b>GH4LAMPWGKIT</b> (ordered separately)
MG4RA454UNIV10CSPF	Modified Green Hi Bay 4' 54w T5HO 4-Lamp with 10' cord only and single packed	<b>GH4LAMPWGKIT</b> (ordered separately)
MG4RA632UNIH10CSPF	Modified Green Hi Bay 4' 32w T8 6-Lamp HBF with 10' cord only and single packed	<b>GH6LAMPWGKIT</b> (ordered separately)
MG4RA654UNIV10CSPF	Modified Green Hi Bay 4' 54w T5HO 6-Lamp with 10' cord only and single packed	<b>GH6LAMPWGKIT</b> (ordered separately)
		<b>RECOMMENDED HANGING KITS</b>
		<b>TCPYHOOKX10FT</b> - Y-Hook 10' Hanging Kit (ordered separately)
		<b>TCPYHOOKX20FT</b> - Y-Hook 20' Hanging Kit (ordered separately)

### Modified Elite T8/T5HO Quick Ship - Full body, 22 gauge steel, 95% RA reflector

PART #	DESCRIPTION	AVAILABLE HANGING KITS (ordered separately)
ME4RA432UNIHSPF	Modified Elite Reflective Aluminum 32W T8 4 lamp HBF single packed	<b>EZHANGER</b> - 15' adjustable aircraft cable hanging kit
ME4RA454UNIVSPF	Modified Elite Reflective Aluminum 54W T5HO 4 lamp single packed	<b>12Pendantkit</b> - Mounting kit for 1/2" pendants
ME4RA632UNIHSPF	Modified Elite Reflective Aluminum 32W T8 6 lamp HBF single packed	<b>34Pendantkit</b> - Mounting kit for 3/4" pendants
ME4RA654UNIVSPF	Modified Elite Reflective Aluminum 54W T5HO 6 lamp single packed	<b>LHKIT</b> - Single Point Hook Mounting Kit complete
		<b>AVAILABLE ACCESSORIES (ordered separately)</b>
		<b>ELITELENSKIT</b> - Elite lens kit complete with lens, wider endcaps, and hardware.
		<b>FWGL</b> - Wire Guard kit complete with Wire Guard and hardware (for use with lens)
		<b>FWG</b> - Wire Guard kit complete with Wire Guard and hardware (for use without lens)

### Wet Location T8/T5HO Quick Ship - Wet Location Luminaires - assembled in the U.S.A.

PART #	DESCRIPTION
WL4WA332UNIHSP	4 Foot Wet Location White Reflector 32W T8 3 lamp HBF single packed
WL8WAG32UNIHSP	8 Foot Wet Location White Reflector 32W T8 6 lamp HBF single packed
WL4WA254UNIHSP	4 Foot Wet Location White Reflector 54W T5HO 2 lamp HBF single packed



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Linear Luminaires

2013 CATALOG

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Quick Ship Program

2013 CATALOG

## Elite Fluorescent High Bay T8/T5



### Application

The Elite's superior lumen package is ideal for replacing traditional high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 15' - 40' with primary applications including "Big Box" retail, warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Elite's heavy duty 20 gauge housing exceeds code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Elite is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) reflector, which have a 25 year warranty. The reflector options include upright or non-upright, depending on the application.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### Elite Fluorescent High Bay T8 and T5 Series

#### Maintenance

No tools required for lamp and ballast access.

#### Installation

Suspension by chain, cable, hook or monopoint with appropriate accessories.

#### Warranty

One year warranty against defects in manufacturing. See warranty page for extension options.

#### Listing

UL/cUL Listed - Suitable for damp locations.

### Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
EL4 - 4' Elite	SA - Narrow Distribution	3	25 - (T8 25W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
	WA - Wide Distribution	4	28 - (T8 28W)	347	N - (T8 Normal)	DIM - (Dimming)	
		5	32 - (T8 32W)	480 - T5 only	L - (T8 Low)		
	Add "U" for upright	6	54 - (T5HO 54W)	480X - Step Down	V - (T5HO)	*UNI and Step Down only	
		8		480Y - Step Down for 5, 6 Lamp T5 and 8 Lamp T8 480XX - Step Down for 8 Lamp T5			

### OPTIONS (Add to catalog number in order shown)

#### 1 Power Cords

6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
6W - 6' WHIP PCord 600V 16/3 NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

#### AVAILABLE HANGING KITS (ordered separately)

EZHANGER - 15' adjustable aircraft cable hanging kit  
12Pendantkit - Mounting kit for 1/2" pendants  
34Pendantkit - Mounting kit for 3/4" pendants  
LHKIT - Single Point Hook Mounting Kit complete

#### 2 Occupancy Sensors

TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

#### 3 Wire Guard / Lens

WG - Wire Guard  
WGL - Wire Guard & Lens  
EL - Acrylic Lens

#### 4 Emergency Ballasts

20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20B3 - TCP 3000 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)

**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp) and what voltage is to be used (120V or 277V only). See Emergency Ballast Spec Sheets for details.

#### AVAILABLE ACCESSORIES (ordered separately)

ELITELENSKIT - Elite lens kit complete with lens, wider endcaps, and hardware.  
FWGL - Wire Guard kit complete with Wire Guard and hardware. (for use with lens)  
FWG - Wire Guard kit complete with Wire Guard and hardware. (for use without lens)

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

## Sky Bay T8/T5



### Application

Sky Bay's superior lumen package is ideal for replacing traditional 1000 watt high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 20' - 110' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

### Description

This fixture was designed for optimum performance utilizing either T5 or T8 lamps. The Sky Bay's heavy duty 20 gauge housing exceeds code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Sky Bay is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) reflector, which have a 25 year warranty.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### Sky Bay T8 and T5 Series

#### Maintenance

No tools required for lamp and ballast access.

#### Installation

Suspension by chain, cable or hook with appropriate accessories.

#### Warranty

One year warranty against defects in manufacturing. See warranty page for extension options.

#### Listing

UL/cUL Listed - Suitable for damp locations.

### Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
SK4 - 4' Sky Bay	SA - Narrow Distribution	10	25 - (T8 25W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
	WA - Wide Distribution	12	28 - (T8 28W)	347	N - (T8 Normal)	DIM - (Dimming)**	
			32 - (T8 32W)	480 - T5 only	L - (T8 Low)		
			54 - (T5HO 54W)		V - (T5HO)	* UNI only ** Dimming not available for T5 Sky Bay	

### OPTIONS (Add to catalog number in order shown)

#### 1 Power Cords

6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
6W - 6' WHIP PCord 600V 16/3 NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJTOW NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG

#### AVAILABLE HANGING KITS (ordered separately)

TCPHYOOKX10FT - Y-Hook 10 foot hanging kit  
TCPHYOOKX20FT - Y-Hook 20 foot hanging kit  
TCPXKYHOOKX10FT - Y-Hook 10 foot hanging kit, longer arms  
TCPXKYHOOKX20FT - Y-Hook 20 foot hanging kit, longer arms

SKYBAYINVERTKITX20FT - Complete kit for mounting Sky Bay upside down. Includes brackets, 20' Y-Hook cable, and hardware.

#### 2 Occupancy Sensors

TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V

Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

#### 3 Wire Guard

WG - Wire Guard

**No Emergency Ballast Available**

#### 4 Lamps Installed in Job Pack

830 - T5 and T8 Lamps  
835 - T5 and T8 Lamps  
841 - T5 and T8 Lamps  
850 - T5 and T8 Lamps  
865 - T5 Lamps Only  
830HL - T8 Lamps Only  
835HL - T8 Lamps Only  
841HL - T8 Lamps Only  
850HL - T8 Lamps Only

#### AVAILABLE ACCESSORIES (ordered separately)

SKWGKIT - Wire Guard kit complete with Wire Guard and mounting hardware. Order (2) per luminaire.

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

## Stairwell T8



### Application

The Stairwell Fixture is a great choice when looking for a bi-level luminaire which provides energy savings, high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, instant on, and improved uniformity. Suggested mounting heights up to 16' with primary applications including stairwells, restrooms, laundry rooms, and other areas where maximum light levels are not needed on a constant basis.

### Description

The Stairwell T8 was designed for energy savings using efficient T8 ballasts and lamps in conjunction with an ultrasonic sensor. The attractive two or three lamp design uses an ultrasonic occupancy sensor to turn off the main T8 lamp(s) while there are no occupants in the area, maintaining operation of one T8 lamp during standby mode for safety and compliance purposes. An emergency ballast can also be specified to provide light for 90 minutes in the event of a power failure. This will ensure there is enough light in areas designated as emergency egress.

### Construction

The Stairwell Fixture is constructed of heavy duty 20 gauge steel which is post painted with a baked white enamel finish that is electrostatically applied. Ample knockouts are provided for wiring and mounting. The white perforated steel diffuser uses one piece of UV stabilized acrylic to provide an even light distribution pattern. Sockets include secure positioning rotating collars.

### Electrical

All electrical components are UL/cUL listed. Ballasts are class P rated, thermally protected, sound rated, NEMA premium, CEE approved, and secured by mounting bolts. The sensor is a low voltage ultrasonic sensor with adjustable sensitivity and time delays of 5, 10, 15, or 30 minutes. A built in LED lights up when occupancy is detected. The sensor has functions for testing, overriding "on", and an integrated 72 hour burn-in feature to ensure long lamp life and proper operation.

**Stairwell T8**

**Installation**  
Ceiling or wall surface mounted. Before installation, please consult your local ordinances and building codes for compliance.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

**Listing**  
UL/cUL Listed - Suitable for damp locations.

## Wet Location/Damp Location Fluorescent T8/T5



### Application

The Wet Location fixture is IP65 and IP67 rated, dust and moisture-resistant, making it ideal for harsh environments where humidity or moisture is present. Primary applications include:

- Food processing facilities
- Kitchens
- Public Areas
- Subways
- Schools
- Parking garages
- Gas Stations
- Government facilities
- Industrial facilities

### Description

The full body assembly accommodates either T8 or T5 lamps. The gasketed enclosure is constructed of a fiberglass upper body and acrylic diffuser, with a continuous poured gasket. The diffuser and upper components are locked by retaining latches, which ensures a tight seal. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optics are ideal for an open area general lighting. The Wet Location fixture comes standard with a white channel cover (WA), and is available using a specular aluminum (SA) Miro<sup>®</sup>4 reflector, which has a 25 year warranty.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

White finish with fiberglass housing.

**Wet Location Fluorescent T8 and T5 Series**

**Maintenance**  
No tools required for lamp and ballast access.

**Installation**  
Surface mount bracket provided.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

**Listing**

- UL/cUL Listed
- NSF International
- U.S.D.A.
- RoHS Compliant
- NEMA 4X
- IP65 and IP67 Certified

## Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
WL4 - 4' Wet Location	WA - Wide Distribution	1 (4' Fixture Only)	25 - (T8 25W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
WL8 - 8' Wet Location	SA - Narrow Distribution	2 (4' or 8' Fixture)	28 - (T8 28W)	347	N - (T8 Normal)	DIM - (Dimming)	
		3 (4' Fixture Only)	32 - (T8 32W)	480 - T5 only	L - (T8 Low)		
		4 (8' Fixture Only)	54 - (T5HO 54W)	480X - Step Down	V - (T5HO)	*UNI and Step Down only	
DL4 - 4' Damp Location		6 (8' Fixture Only)		480Y - Step Down for 6 Lamp T5			
DL8 - 8' Damp Location							

### OPTIONS (Add to catalog number in order shown)

- Power Cords**  
6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJT0W NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJT0W NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJT0W NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJT0W NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJT0W NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJT0W NEMA L7-15P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
  - Special Hardware**  
SS - Stainless Steel Lens Latches
  - Wet Location Occupancy Sensors**  
OSWL3 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20" or less, 120V-277V  
OSWL4 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20"-45", 120V-277V  
OSWL5 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20" or less, 347V-480V  
OSWL6 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20"-45", 347V-480V
  - Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)
  - Lamps Installed in Job Pack**  
830 - T5 and T8 Lamps  
835 - T5 and T8 Lamps  
841 - T5 and T8 Lamps  
850 - T5 and T8 Lamps  
865 - T5 Lamps Only  
830HL - T8 Lamps Only  
835HL - T8 Lamps Only  
841HL - T8 Lamps Only  
850HL - T8 Lamps Only
  - Special Packaging**  
SP - Single Packed
- Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
- Mounting**  
Supplied with a stainless steel mounting bracket.
- Damp Location Occupancy Sensors**  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40" or less, 120V, 277V or 347V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40" or less, 480V
- Damp Location (DL)**  
Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

**Note:** Use Damp Location (DL) item numbers with Damp Location occupancy sensors ONLY. Otherwise use Wet Location (WL) item numbers.

## Catalog Ordering Matrix - 3 Lamp (Order Lamps Separately)

Family	2-Lamp Length and PRS Ballast	1-Lamp Length and IS Ballast	Diffuser Option	Options
ST - 4' Stairwell	4H - 4' High Ballast Factor 4N - 4' Normal Ballast Factor 4L - 4' Low Ballast Factor	3N - 25w 3' T8 Normal Ballast Factor 3L - 25w 3' T8 Low Ballast Factor 2N - 17w 2' T8 Normal Ballast Factor 2L - 17w 2' T8 Low Ballast Factor	ML - Perforated Metal	120B5 - 120V TCP 1400 lumen 90 minute emergency ballast 220B5 - 277V TCP 1400 lumen 90 minute emergency ballast 120B6 - 120V TCP 700 lumen 90 minute emergency ballast 220B6 - 277V TCP 700 lumen 90 minute emergency ballast

## Catalog Ordering Matrix - 2 Lamp (Order Lamps Separately)

Family	PRS Ballast (on sensor)	IS Ballast (always on)	Diffuser Option	Options
ST - 4' Stairwell	4H - 4' High Ballast Factor 4N - 4' Normal Ballast Factor 4L - 4' Low Ballast Factor	4H - 4' High Ballast Factor 4N - 4' Normal Ballast Factor 4L - 4' Low Ballast Factor	ML - Perforated Metal	120B5 - 120V TCP 1400 lumen 90 minute emergency ballast 220B5 - 277V TCP 1400 lumen 90 minute emergency ballast 120B6 - 120V TCP 700 lumen 90 minute emergency ballast 220B6 - 277V TCP 700 lumen 90 minute emergency ballast

## Polar Bay T8/T5



ARRA Qualified

### Application

The Polar Bay Enclosure is IP66 and IP67 rated, dust and moisture-resistant (high volume hose tested), making it ideal for harsh environments where humidity or moisture is present. Primary applications include:

- Food processing facilities
- Kitchens
- Public Areas
- Subways
- Schools
- Parking garages
- Gas stations
- Government facilities
- Industrial facilities
- Exterior Retail

### Description

The full body assembly accommodates either T8 or T5 lamps. The gasketed enclosure is constructed of a fiberglass upper body and acrylic diffuser, with a continuous poured gasket. The diffuser and upper components are locked by retaining latches, which ensures a tight seal. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optics are ideal for an open area general lighting. The Polar Bay comes standard with a white channel cover (WA), and is available using a specular aluminum (SA) Miro®4 reflector, which has a 25 year warranty.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

White finish with fiberglass housing.

### Polar Bay T8 and T5 Series

**Maintenance**  
No tools required for lamp and ballast access.

**Installation**  
Luminaire comes with V-Hooks.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

- Listing**
- UL/cUL Listed
  - NSF International
  - U.S.D.A.
  - RoHS Compliant
  - NEMA 4X
  - IP66 and IP67 Certified

### Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PL4 - 4' Polar Bay	SA - Medium Distribution	4	25 - (T8 25W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
	WA - Wide Distribution	6	28 - (T8 28W)	347	N - (T8 Normal)	DIM - (Dimming)	
			32 - (T8 32W)	480	L - (T8 Low)		
			54 - (T5HO 54W)	480X - Step Down 480Y - Step Down for 6 Lamp T5	V - (T5HO)	*UNI and Step Down only	

OPTIONS (Add to catalog number in order shown)

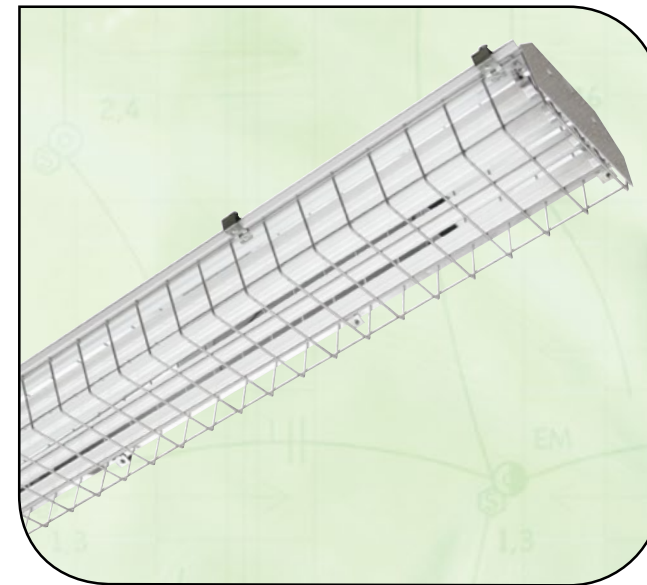
- Power Cords**  
6C - 6' PCord 300V 16/3 SJTOW NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJTOW NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJTOW NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJTOW NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- Occupancy Sensors**  
OSWL3 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 120V-277V  
OSWL4 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 347V-480V  
OSWL5 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20' or less, 347V-480V  
OSWL6 - Occupancy Sensor w/bracket for Cold Storage/Wet Location, 20'-45', 347V-480V  
Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.
- Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)  
**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.  
**Mounting**  
Supplied with a stainless steel mounting bracket.
- Lamps Installed in Job Pack**  
830 - T5 and T8 Lamps  
835 - T5 and T8 Lamps  
841 - T5 and T8 Lamps  
850 - T5 and T8 Lamps  
865 - T5 Lamps Only  
830HL - T8 Lamps Only  
835HL - T8 Lamps Only  
841HL - T8 Lamps Only  
850HL - T8 Lamps Only
- Special Packaging**  
SP - Single Packed

### AVAILABLE HANGING KITS (ordered separately)

- TCPYHOOKX10FT - Y-Hook 10 foot hanging kit
- TCPYHOOKX20FT - Y-Hook 20 foot hanging kit
- 12Pendantkit - Mounting kit for 1/2" pendants
- 34Pendantkit - Mounting kit for 3/4" pendants
- LHKIT - Single Point Hook Mounting Kit complete
- PLSURFMOUNT - Surface mount bracket for Polar Bay, order (2) per luminaire.

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

## Power Cage Fluorescent High Bay T8/T5



ARRA Qualified

### Application

The Power Cage's superior lumen package is ideal for replacing traditional metal halide high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming and improved uniformity. Suggested mounting heights from 15' - 40' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Power Cage's heavy duty 20 gauge housing and 8 gauge wireguard is code gauge steel and all components, excluding the wireguard, are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Power Cage is available using a specular aluminum (SA) or a white aluminum (WA) reflector, which have a 25 year warranty.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### Power Cage Fluorescent High Bay T8 and T5 Series

**Maintenance**  
No tools required for lamp and ballast access.

**Installation**  
Suspension by chain, cable, hook or monopoint with appropriate accessories.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

**Listing**  
UL/cUL Listed - Suitable for damp locations.

### Catalog Ordering Matrix

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PC4 - 4' Power Cage PC8 - 8' Power Cage	SA - Narrow Distribution	2 (4' Fixture Only)	25 - (T8 25W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
	WA - Wide Distribution	3 (4' Fixture Only)	28 - (T8 28W)	347	N - (T8 Normal)	DIM - (Dimming)	
		4 (4' and 8' Fixture)	32 - (T8 32W)	480	L - (T8 Low)		
		6 (8' Fixture Only)	54 - (T5HO 54W)	480X - Step Down 480Y - Step Down for 6 Lamp T5 and 8 Lamp T8 480XX - Step Down for 8 Lamp T5	V - (T5HO)	*UNI and Step Down only	

OPTIONS (Add to catalog number in order shown)

- Power Cords**  
6C - 6' PCord 300V 16/3 SJTOW NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJTOW NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJTOW NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJTOW NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- Occupancy Sensors**  
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V.  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V.  
Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.
- Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)  
**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
- Lamps Installed in Job Pack**  
830 - T5 and T8 Lamps  
835 - T5 and T8 Lamps  
841 - T5 and T8 Lamps  
850 - T5 and T8 Lamps  
865 - T5 Lamps Only  
830HL - T8 Lamps Only  
835HL - T8 Lamps Only  
841HL - T8 Lamps Only  
850HL - T8 Lamps Only
- Special Mounting**  
HCB - Hub Connector Box - 3/4" Threaded Hub Mount
- Special Packaging**  
SP - Single Packed (not available with lamps installed)

### AVAILABLE HANGING KITS (ordered separately)

- EZHANGER - 15' adjustable aircraft cable hanging kit
- 12Pendantkit - Mounting kit for 1/2" pendants
- 34Pendantkit - Mounting kit for 3/4" pendants
- LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

- Wire Guard / Lens**  
NWG - No wire guard  
PIL - Prismatic Insert Lens, to be used with Wire Guard  
PWL - Prismatic Wrap Lens, to be used with Wire Guard

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.



## Power Strip Fluorescent High Bay T8/T5



REFLECTOR SHIPS SEPARATELY.

### Application

The Power Strip's superior lumen package is ideal for replacing traditional metal halide high bay systems. Benefits include high efficiency, 95% lumen maintenance, improved color rendering, extended lamp life, multi-level switching, instant on, dimming, and improved uniformity. Suggested mounting heights from 15' - 40' with primary applications including warehousing, commercial facilities, manufacturing facilities, open and stack aisle applications.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Power Strip's heavy duty 20 gauge housing is code gauge steel and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The superior beam spread optic covers from narrow aisle lighting to open area general lighting. The Power Strip is available using a specular aluminum (SA) Miro®4 or a white aluminum (WA) reflector, which have a 25 year warranty.

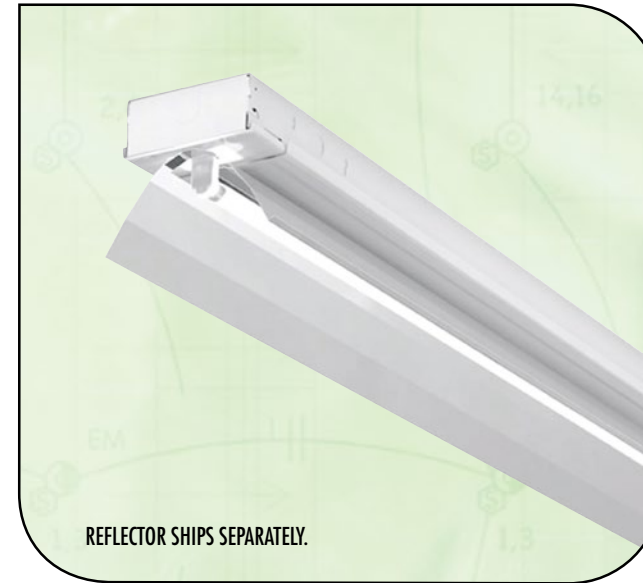
### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

## Aisle Lighter T8/T5



REFLECTOR SHIPS SEPARATELY.

### Application

The Aisle Lighter is designed for surface or suspended mounting. The fixture is ideal for medium illumination levels and suitable for general task lighting. Suggested use for applications where optimum photometric performance is required. Ideal for light-duty task lighting, aisles, warehousing, storage, and retail.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Aisle Lighter's heavy duty 20 gauge housing is code gauge steel and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The Aisle Lighter's superior beam spread optic covers from narrow aisle lighting to open area general lighting. The fixture comes with a specular aluminum Miro®4 reflector, which has a 25 year warranty.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### Power Strip Fluorescent High Bay T8 and T5 Series

**Maintenance**  
No tools required for lamp and ballast access.

**Installation**  
Suspension by chain, cable, hook or monopoint with appropriate accessories. Reflectors not pre-installed on fixture. Some assembly required.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

**Listing**  
UL/cUL Listed - Suitable for damp locations.

### Catalog Ordering Matrix

(Order Lamps Separately)

Family	Reflector Distribution	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
PS4 - 4' Power Strip	SA - Narrow Distribution	3 (4' Fixture Only)	32 - (T8 25-32W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
PS8 - 8' Power Strip	WA - Wide Distribution	6 (8' Fixture Only)	54 - (T5HO 54W)	347	N - (T8 Normal)	DIM - (Dimming)	
				480 - T5 only	L - (T8 Low)		
				480X - Step Down	V - (T5HO)	*UNI and Step Down only	
				480Y - Step Down for 6 Lamp T5			

OPTIONS (Add to catalog number in order shown)

- Power Cords**  
6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
6W - 6' WHIP PCord 600V 16/3 NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- Occupancy Sensors**  
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
- Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)  
**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
- Special Mounting**  
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

#### AVAILABLE HANGING KITS (ordered separately)

- EZHANGER - 15' adjustable aircraft cable hanging kit
- 12Pendantkit - Mounting kit for 1/2" pendants
- 34Pendantkit - Mounting kit for 3/4" pendants
- LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

### Catalog Ordering Matrix

(Order Lamps Separately)

Family	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
AL4 - 4' Aisle Lighter	1 (4' Fixture Only)	32 - (T8 25-32W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
AL8 - 8' Aisle Lighter	2 (4' or 8' Fixture)	54 - (T5HO 54W)	347	N - (T8 Normal)	DIM - (Dimming)	
			480 - T5 only	L - (T8 Low)		
			480X - Step Down	V - (T5HO)	*UNI and Step Down only	

OPTIONS (Add to catalog number in order shown)

- Power Cords**  
6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
6W - 6' WHIP PCord 600V 16/3 NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 15A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- Occupancy Sensors**  
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
- Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)  
**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
- Special Mounting**  
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

#### AVAILABLE HANGING KITS (ordered separately)

- EZHANGER - 15' adjustable aircraft cable hanging kit
- 12Pendantkit - Mounting kit for 1/2" pendants
- 34Pendantkit - Mounting kit for 3/4" pendants
- LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

## Hooded Industrial T8/T5



REFLECTOR SHIPS SEPARATELY.

### Application

The Hooded Industrial is designed for surface or suspended mounting. The fixture is ideal for medium illumination levels and suitable for general task lighting. Suggested use for mounting heights up to 16' requiring low to medium light levels. Ideal for light-duty task lighting, aisles, warehousing, storage and retail.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The Hooded Industrial's heavy duty 20 gauge housing is code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The Hooded Industrial's superior beam spread optic covers from narrow aisle lighting to open area general lighting. The fixture comes with a white hooded reflector.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### Aisle Lighter T8 and T5 Series

**Maintenance**  
No tools required for lamp and ballast access.

**Installation**  
Reflectors not pre-installed on fixture, some assembly required. Suspension by chain, cable, hook or monopoint with appropriate accessories.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

**Listing**  
UL/cUL Listed - Suitable for damp locations.

### Catalog Ordering Matrix (Order Lamps Separately)

Family	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
IS4 - 4' Hooded Industrial	1 (4' Fixture Only)	32 - (T8 25-32W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
	2 (4' or 8' Fixture)	54 - (T5HO 54W)	347	N - (T8 Normal)	DIM - (Dimming)	
IS8 - 8' Hooded Industrial	4 (8' Fixture Only)		480 - T5 only	L - (T8 Low)		
			480X - Step Down	V - (T5HO)	*UNI and Step Down only	

#### OPTIONS (Add to catalog number in order shown)

- Power Cords**  
6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
6W - 6' WHIP PCord 600V 16/3 NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
- Occupancy Sensors**  
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
- Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)  
**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
- Special Mounting**  
HCB - Hub Connector Box - 3/4" Threaded Hub Mount

#### AVAILABLE HANGING KITS (ordered separately)

- EZHANGER - 15' adjustable aircraft cable hanging kit
- 12Pendantkit - Mounting kit for 1/2" pendants
- 34Pendantkit - Mounting kit for 3/4" pendants
- LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

## General Purpose Strip T8/T5



### Application

The General Purpose Strip is designed for surface or suspended mounting. The fixture is ideal for medium illumination levels and suitable for general task lighting. Suggested use for mounting heights up to 16' requiring low to medium light levels. Ideal for light-duty task lighting, aisles, warehousing, storage, and retail.

### Description

The full body assembly accommodates multiple optics utilizing either T5 or T8 lamps. The General Purpose Strip's heavy duty 20 gauge housing is code gauge steel, and all components are post painted with a glossy, high reflectance white paint. Sockets include secure positioning rotating collars.

### Reflector Optics

The General Purpose Strip is available using a specular aluminum (SA) Miro<sup>®</sup>4 or a white aluminum (WA) ballast cover, which have a 25 year warranty.

### Electrical

All ballasts are class P rated and UL/cUL listed. Our ballasts are also thermally protected, sound rated, and tightly secured by mounting bolts as well as NEMA Premium and CEE certified.

### Finish

The baked white enamel finish is electrostatically applied and post painted with a glossy, highly reflective and durable white paint.

### General Purpose Strip T8 and T5 Series

**Maintenance**  
No tools required for lamp and ballast access.

**Installation**  
Suspension by chain, cable, hook or monopoint with appropriate accessories.

**Warranty**  
One year warranty against defects in manufacturing. See warranty page for extension options.

**Listing**  
UL/cUL Listed - Suitable for damp locations.

### Catalog Ordering Matrix (Order Lamps Separately)

Family	Ballast Cover	Lamp Quantity	Lamp Type	Voltage	Ballast Factor	Ballast Options*	Options
GP4 - 4' General Purpose Strip	SA - Specular Aluminum	1 (4' Fixture Only)	32 - (T8 25-32W)	UNI - (120-277)	H - (T8 High)	PRS - (Program Rapid Start)	(See Below)
	WA - White Aluminum	2 (4' or 8' Fixture)	54 - (T5HO 54W)	347	N - (T8 Normal)	DIM - (Dimming)	
GP8 - 8' General Purpose Strip		4 (8' Fixture Only)		480 - T5 only	L - (T8 Low)		
				480X - Step Down	V - (T5HO)	*UNI and Step Down only	

#### OPTIONS (Add to catalog number in order shown)

- Power Cords**  
6C - 6' PCord 300V 16/3 SJT00W NO PLUG  
6C4 - 6' PCord 300V 18/4 SJTOW NO PLUG  
6W - 6' WHIP PCord 600V 16/3 NO PLUG  
2P - 8' PCord 125V 15A 16/3 SJT00W NEMA 5-15P  
3P - 8' PCord 125V 15A 16/3 SJTOW NEMA L5-15P  
8T - 8' PCord 480V 20A 16/3 SEOW NEMA L8-20P  
9T - 8' PCord 250V 20A 16/3 SJTOW NEMA L6-20P  
4T - 10' PCord 125V 20A 16/3 SJTOW NEMA L5-20P  
10T - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-15P  
10T2 - 10' PCord 277V 20A 14/3 SJTOW NEMA L7-20P  
10C - 10' PCord 277V SJT00W NO PLUG  
10C6 - 10' PCord 600V 15A 16/3 STOW NO PLUG  
20C - 20' PCord 277V 20A 16/3 SJT00W NO PLUG  
20C4 - 20' PCord 300V 18/4 SJTOW NO PLUG
  - Occupancy Sensors**  
TS1 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V.  
TS1C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 120V, 277V, or 347V  
TS4 - TCP Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V  
TS4C - TCP Cold Storage Occupancy Sensor w/bracket and interchangeable lenses, 40' or less, 480V
  - Emergency Ballasts**  
20B1 - TCP 450 LMS 90 min (T8)  
20B6 - TCP 700 LMS 90 min (T8)  
20B5 - TCP 1400 LMS 90 min (T8 or T5)  
20BL5 - TCP 800 LMS 90 min (T5)  
20BL6 - TCP 1350 LMS 90 min (T5)  
**Emergency Ballast Notes:**  
Orders with an emergency ballast must include a note on the order indicating the number of lamps to be operated, which lamp(s) will be operated by the emergency ballast (i.e. 3rd lamp), and what voltage is to be used (i.e. 120V). See Emergency Ballast Spec Sheets for details.
  - Special Mounting**  
HCB - Hub Connector Box - 3/4" Threaded Hub Mount
- Use a program rapid start ballast with occupancy sensor. TCP is not responsible for lamps failing prematurely due to an occupancy sensor being used with an instant start ballast.

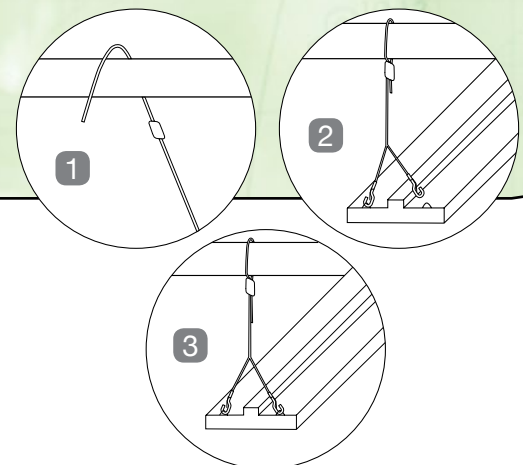
#### AVAILABLE HANGING KITS (ordered separately)

- EZHANGER - 15' adjustable aircraft cable hanging kit
- 12Pendantkit - Mounting kit for 1/2" pendants
- 34Pendantkit - Mounting kit for 3/4" pendants
- LHKIT - Single Point Hook Mounting Kit complete

† If a desired lamp and/or ballast is needed in a TCP linear fluorescent fixture, please provide a spec sheet when consulting with your local sales rep. The sales rep will provide a price to use the desired lamp and/or ballast.

## Y-HOOK Hanger

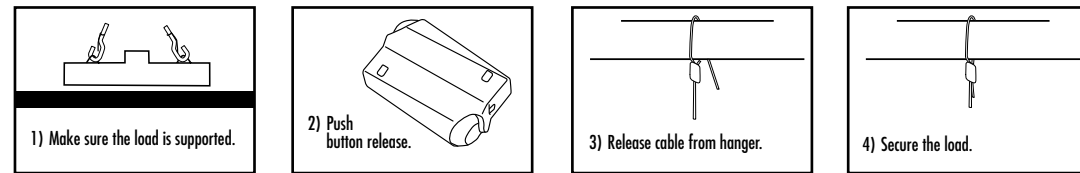
<b>Mounting instructions for TCP lighting fixtures, using Y-Hook hangers.</b>	Item Number	Description-Hanging Kit	<b>TCPYHOOKX10FT</b>
	TCPYHOOKX10FT	Y-Hook 10 Ft.	
	TCPYHOOKX20FT	Y-Hook 20 Ft.	
	TCPYHOOKX10FTSS	Y-Hook 10 Ft. Stainless Steel	
<b>Components included with each kit:</b> 2 - 10' or 20' Aircraft Cable with 'Y' split and two hooks 2 - Grip Fastener		<b>Recommended use for:</b> Modified Green Hi-Bay Sky Bay Polar Bay Available in stainless.	



### Mounting Instructions:

- 1) Thread hanger onto grip and pass over ceiling anchor point.
- 2) Pass tail end of cable through the other channel of the hanger and with fixture supported, snap hooks onto fixture
- 3) Adjust to proper height by pulling cable through either end of the hanger.

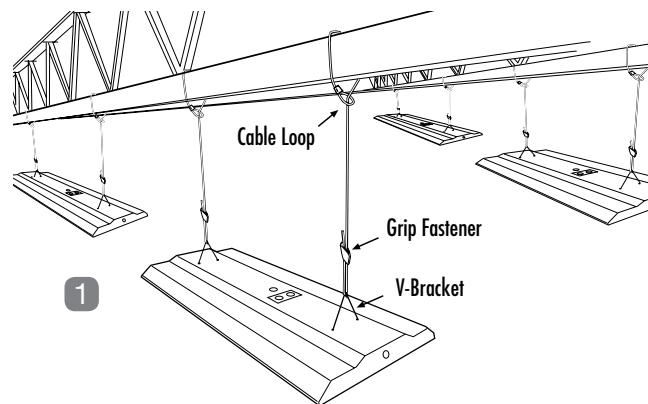
How to use release key to adjust fixture



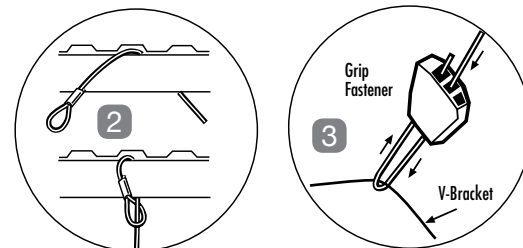
## EZHANGER

<b>EZHANGER for TCP High Bay Fixtures</b> • Use for dual point hanging	Item Number	Description-Hanging Kit	<b>EZHANGER</b>
	EZHANGER	15 Ft.	
	EZHANGER20FT	20 Ft.	
	EZHANGERSS	15 Ft. Stainless Steel	
<b>Components included with each kit:</b> • 2 - 15' #2 Aircraft Cable with crimped loop • 2 - Grip Fastener		<b>Recommended use for:</b> Elite Power Cage Power Strip Available in stainless.	

### Mounting Instructions:



- 1) Attach V-Bracket to fixture body through pre-punched holes
- 2) Loop cable around strut, joist, eye-bolt or solid ceiling structure
- 3) Feed cable through grip fastener and adjust to desired mounting height



## Hub Connector Box

<b>Instruction Sheet for Hub Connector Box for TCP High Bay Fixtures</b> • Use for single point pendant mount 3/4" NPT Item Number: HUBCONNECTORBOX	<b>Hub Connector Box</b>
	<b>Components included with each kit:</b> • 1 - Hub Connector Top • 1 - Hub Connector Plate • 1 - Hub Connector Bottom • Mounting Hardware

### GENERAL:

Once receiving the fixture, thoroughly inspect for any freight damage, which should be brought to the attention of the delivery carrier. Compare the catalog description listed on the packing slip with the fixture label on the housing to assure you have received the correct product.

### SAFETY:

This fixture must be wired in accordance with the national electrical code and applicable local codes and ordinance. Proper ground wiring is required to insure personal safety. Carefully observe grounding procedure under installation section. All work should be done by a qualified electrician.

### RISK OF FIRE:

DO NOT USE IN HAZARDOUS CLASSIFIED LOCATIONS. Failure to do so could result in explosions and fire.

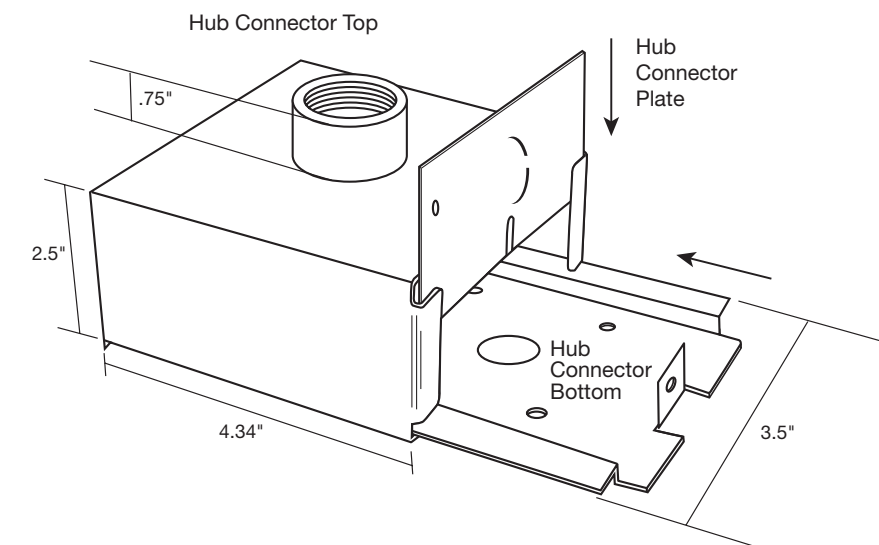
TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY. USE SUPPLY WIRE RATED MINIMUM 90°C.

### WARNING:

Make certain power is OFF before starting installation or attempting any maintenance.

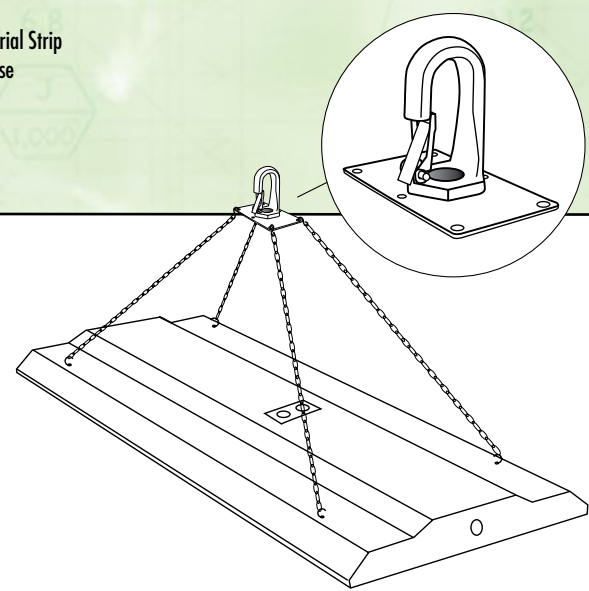
### DIRECTIONS:

1. Hub Connector Bottom piece will come attached to fixture. Please make sure the Hub Connector Bottom is tightly fastened to the fixture, as it might become loose during transit.
2. Thread Hub Connector Top piece (box with 3/4" threading) on 3/4" conduit or other approved supporting means.
3. Slide hub connector bottom, which is attached to the fixture, through the hub connector top, which is attached to 3/4" conduit or other approved supporting mean.
  - a. NOTE: Make sure when sliding the hub connector bottom piece onto the hub connector top that the screw tab is exposed for the hub connector plate.
4. Connect proper supply voltage lead to proper fixture voltage lead. Connect common leads. Connect ground (green) wire to suitable grounding. Use wire nuts or other approved connector for all electrical connections.
  - a. WARNING: Improper wiring may result in ballast failure and fire. Improper wiring voids all warranties.
5. Carefully fold electrical leads into the hub connector box. Slide hub connector plate thru the slots of the hub connector top grooves. Tighten screw into plate screw hole.



## Latch Hook Kit

<p><b>Latch Hook Kit for TCP High Bay Fixtures</b></p> <ul style="list-style-type: none"> <li>Use for single point hanging</li> <li>TCP Item Number: LHKIT</li> </ul>	<h3>Latch Hook Kit</h3>								
<p>Components included with each kit:</p> <ul style="list-style-type: none"> <li>1 - Fixture Hook Male</li> <li>1 - Single Mounting Bar</li> <li>4 - 24" long Chains</li> <li>8 - S-hooks</li> </ul>	<p>Recommended use for:</p> <table border="0"> <tr> <td>Elite</td> <td>Hooded Industrial Strip</td> </tr> <tr> <td>Power Cage</td> <td>General Purpose</td> </tr> <tr> <td>Power Strip</td> <td>Polar Bay</td> </tr> <tr> <td>Aisle Lighter</td> <td></td> </tr> </table>	Elite	Hooded Industrial Strip	Power Cage	General Purpose	Power Strip	Polar Bay	Aisle Lighter	
Elite	Hooded Industrial Strip								
Power Cage	General Purpose								
Power Strip	Polar Bay								
Aisle Lighter									

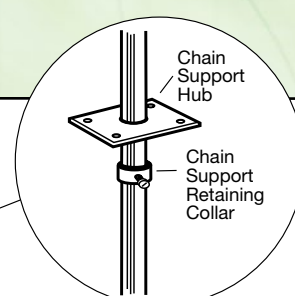


### Mounting Instructions:

- 1) Attach fixture hook to existing structural support.
- 2) Use S-hooks to attach chain supports to the fixture body and the chain support hub.

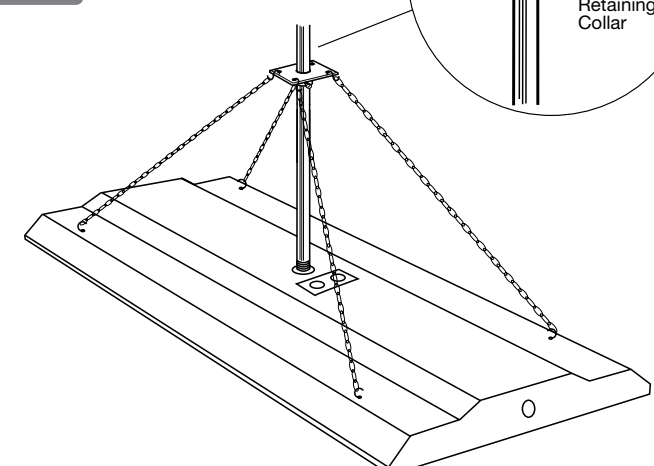
## 1/2" & 3/4" Pendant Kit

<p><b>Pendant Mounting Kit for TCP High Bay Fixtures</b></p> <ul style="list-style-type: none"> <li>Use for fixture mounting with 1/2" Pendants or 3/4" Pendants</li> <li>TCP Item Number: 12PENDANTKIT   34PENDANTKIT</li> </ul>	<h3>1/2" Pendant Kit</h3>	<h3>3/4" Pendant Kit</h3>
<p>Components included with each 12PENDANTKIT:</p> <ul style="list-style-type: none"> <li>1 - Chain support retaining collar with set screw (1.50" O.D. - 0.875" I.D.)</li> <li>1 - 2" x 2" Chain support hub with .875" diameter opening</li> <li>4 - 24" long Chains</li> <li>8 - S-Hooks</li> </ul>	<p>Components included with each 34PENDANTKIT:</p> <ul style="list-style-type: none"> <li>1 - Chain support retaining collar with set screw (1.75" O.D. - 1.125" I.D.)</li> <li>1 - 3" x 3" Chain support hub with 1.125" diameter opening</li> <li>4 - 24" long Chains</li> <li>8 - S-Hooks</li> </ul>	



### Mounting Instructions:

- 1) Slide chain support hub and retaining collar onto existing pendant. Attach pendant to fixture.
- 2) Use S-hooks to attach chain supports to the fixture body and the chain support hub. Adjust chain length as necessary. Slide chain support hub up pendant until chain sections are tight. Slide retaining collar up to hub and secure.

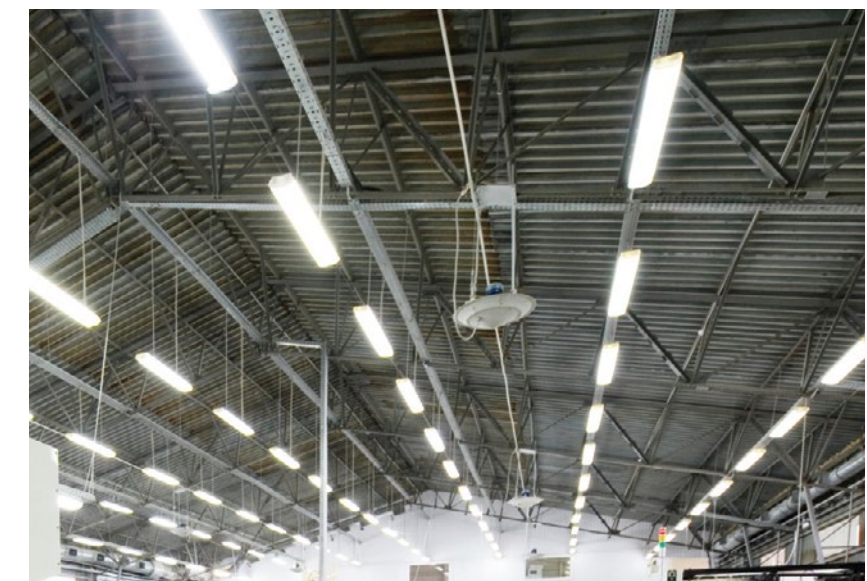


## Fixture Reference Guide and Mounting Heights

Fixture	Warehousing	Commercial Facilities	Manufacturing Facilities	Open Aisle Locations	Stack Aisle Locations	Food Processing Facilities	Light-Duty Tasks / Aisles	Medium-Duty Tasks / Aisles	Kitchens	Retail Stores	Big Box Retail	Exterior Retail	Subways	Schools	Public Areas	Parking Garages	Storage	Cold Storage	Gas Stations	Government Facilities	Industrial Facilities	
Elite	X	X	X	X	X		X	X		X	X						X					X
Modified Green Hi-Bay	X	X	X	X	X		X	X		X	X						X					X
Stairwell		X								X			X	X	X	X					X	
Sky Bay	X	X	X	X	X						X											X
Power Cage	X	X	X	X	X		X	X			X						X					X
Power Strip	X	X	X	X	X						X						X					X
Aisle Lighter	X				X		X	X		X							X					X
Wet Location						X			X			X	X	X	X	X		X	X	X	X	X
Polar Bay						X			X			X	X	X	X	X		X	X	X	X	X
General Purpose Strip	X				X		X			X							X					

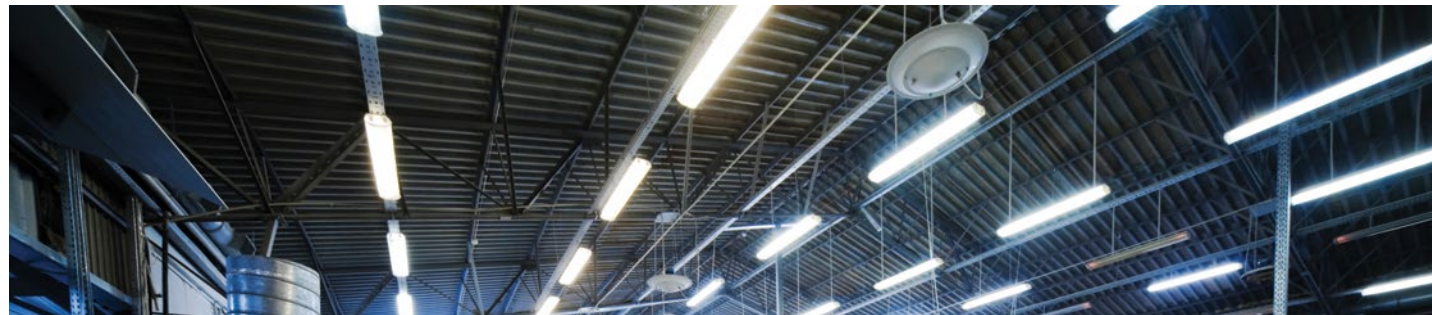
### Mounting Heights

Fixture	Mounting Heights
General Purpose Strip	6' - 16'
Wet Location	8' - 35'
Aisle Lighter	12' - 35'
Elite	10' - 40'
Polar Bay	15' - 40'
Power Cage	15' - 40'
Power Strip	15' - 40'
Sky Bay	20' - 110'



## Application Matrix

Lamp Qty. & Type	4 T8	4 T5HO	6 T8	6 T5HO	8 T8	8 T5HO	12 T8	12 T5HO
Mounting Height	40'							
	30'							
	20'							
	10'							
Replaces	 250W HID	 250-400W HID	 250-400W HID	 400-625W HID	 400-625W HID	 625-700W HID	 750W HID	 1000W HID



## Got a question?

Use the following link to find the answer!

Lighting Layout Requests?

Linear or Deco Item Setup Requests?

Linear Questions?

LED Luminaire Questions?

Deco Questions?

HID Questions?

[AskLightingSystems@tcpi.com](mailto:AskLightingSystems@tcpi.com)



## Linear Warranties

TCP warrants its products to abide by their respective published specifications and are free from defects in material, workmanship and title and to operate from the date of Invoice (or date of manufacture if invoice date is not known or available) for the time periods and subject to the Terms and Conditions specified below.

This warranty only applies when TCP products are operated as specified, have been correctly wired and installed; are operated within the electrical values publicized on the all labels; used in lighting equipment designed and approved for the application and in environmental conditions (temperature, humidity, and air movement) within the normal specified operating range of the system.

### Terms and Conditions:

#### TCP Lamps only

Two years from Date of Invoice<sup>1</sup> (or Date of Manufacture if proof of purchase is not available). If lamps fail within this warranty period, TCP will provide a free one for one lamp replacement. No labor allowance is allowed. TCP reserves the right to request defective lamps be returned for testing and verification.

#### TCP Ballasts only

Five years from Date of Invoice<sup>2</sup> (or Date of Manufacture if proof of purchase is not available). If ballasts fail within this warranty period, TCP will provide a free one for one ballast replacement along with a corresponding labor allowance as determined by TCP as specified in Service Claims and Labor Options sections. TCP reserves the right to request defective ballasts be returned for testing and verification.

#### TCP Lamp and TCP Ballast, luminaire by other

Three years for TCP Lamps and Five Years for TCP Ballasts from Date of Invoice<sup>3</sup> (or Date of Manufacture if proof of purchase is not available). If TCP lamps and ballasts fail within this warranty period, TCP will provide a free one for one ballast replacement of the lamp and/or the ballast along with a corresponding labor allowance as determined by TCP as specified in Service Claims and Labor Options sections. TCP reserves the right to request defective product be returned for testing and verification.

#### TCP Lamp, TCP Ballast, TCP Luminaire ("System")

Five years for TCP "System"<sup>4,5</sup> from Date of Invoice (or Date of Manufacture if proof of purchase is not available — oldest date for components applies). If the TCP "System" fails within this warranty period, TCP will provide, at its discretion, replacement product or repair services in accordance with the Service Claims and Labor Options set forth below. TCP reserves the right to request defective product be returned for testing and verification.

#### Notes:

- 1) T8 lamps used in Occupancy Sensor applications must have a 15 minute per start, minimum and a Program Rapid Start ballast must be used.
- 2) Maximum operating case temperature to maintain warranty is less than 70°C (generally no more than 40° C maximum ambient).
- 3) TCP lamp warranty based on 3 hours minimum cycle time and a maximum of 4000 hrs of operation per year, for Occupancy Sensor applications, please see note 1 above.
- 4) All components must be ordered, assembled and shipped from a TCP location.
- 5) For non-TCP components, the supplied manufacturer must be contacted for warranty claims.



These lamp and ballast warranties do not apply to failures caused by acts of God, or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code, or instructions for use in installations including those contained in the National Electrical Code (NEC), the Standards for Safety of Underwriters Laboratory, Inc. (UL), Standards for the American National Standards Institute (ANSI) or, in Canada, the Canadian Standards Association (CSA). Technical Consumer Products reserves the right to inspect failed lamps, and/or ballasts to determine the cause of failure and patterns of lamp usage. The date of purchase and lamp installation date must be verified to validate the elapsed operating hours if a warranty claim is made.

#### Warranty Activation/Service Claims

These warranty policies are activated after TCP receives the completed "System Warranty Form" form within 30 days of product installation. An acknowledgement will be sent for each registration with a reference number for future correspondence. Service claims can be made by contacting Customer Care at 1-800-324-1496.

#### Labor Options

If required by the customer, TCP will contact a service provider and co-ordinate replacement at no cost to the user of the ballasts (or) TCP will reimburse the purchaser reasonable, customary and necessary labor charges required to install the ballast replacement. Labor options must be pre-approved by TCP. Any labor option or cost that is not pre-approved will not be eligible for reimbursements.

#### Return of Defective Products

After contacting TCP and receiving a Return Authorization Number, the user shall promptly return the product at the customer's expense to TCP after receiving instructions as to if, when and where to ship product. Failure to follow this procedure voids this warranty.

The foregoing shall constitute the exclusive remedy of the purchaser and the sole liability of Technical Consumer Products for lamp and ballast warranties. NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OR IS TO BE IMPLIED. In no event shall Technical Consumer Products be liable for any other cost of damages including lost profits, incidental, special or consequential damages. TCP reserves the right to examine all failed lamps and/or ballasts and reserves the right to be the sole judge as to whether any lamps and/or ballasts are defective and covered under this warranty.

September 2011

# LED FIXTURES



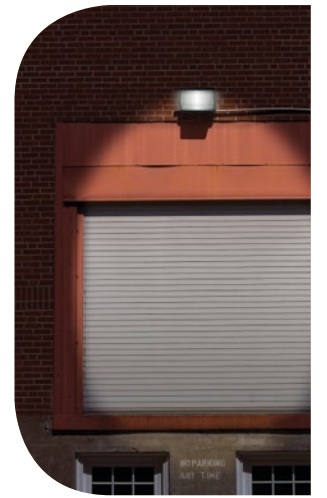
TCP is leading the way with breakthrough energy efficient lighting products. Our advanced CFL ballast design and lamp technologies set new benchmarks that the rest of the industry is trying to match. And now, with the development of our advanced LED driver technology, you have even more energy efficient lighting choices that last longer, provide all of the performance characteristics you are used to, and reduce scheduled maintenance.

## LED Luminaires

Our LED luminaires are the energy efficient alternatives to metal halide and fluorescent fixtures. They are designed to last longer while increasing the amount of light output and reducing the amount of energy used to power them.

### FEATURES / BENEFITS

- Long life: 50,000 hours
- LM80 certified LEDs
- UL Listed
- Low maintenance
- Energy efficient



### Standard Luminaires



**RADIANT 150W LED**  
150W Luminaire



**ATLAS 100W RECESSED LED**  
100W Luminaire



**ATLAS 100W SURFACE LED**  
100W Luminaire



**ATLAS 50W SURFACE LED**  
50W Luminaire



**ATLAS 20W SURFACE LED**  
20W Luminaire



### Spot and Floodlights



**45W LED FESTIVAL FLOOD LIGHT**  
45W Flood Light



**45W LED FESTIVAL SPOT LIGHT**  
45W Spot Light



**16W LED SPOT LIGHT**  
16W LED Spot Light

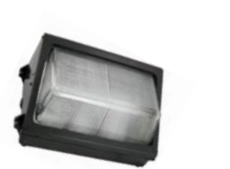


**16W LED FLOOD LIGHT**  
16W LED Flood Light



**16W LED DOCK LIGHT**  
16W LED Dock Light

### LED Wall Packs



**45W LED BLAZER WALL PACK**  
45W Outdoor Wall Pack



**30W LED BLAZER WALL PACK**  
30W Outdoor Wall Pack



**20W LED BLAZER WALL PACK**  
20W Outdoor Wall Pack

### LED Street Lighting



**100W LED METRO STREET LIGHT**  
100W Shoebox Light



**100W LED COBRA STREET LIGHT**  
100W Street Light



800.324.1496 | tcp.com

LED Luminaires

2013 CATALOG

800.324.1496 | tcp.com

LED Luminaires

2013 CATALOG

Standard Luminaires



**TCPRADIANT100H**  
RADIANT 150W LED  
150W / 11000 Lumens

For applications that require high light output, long life and low maintenance such as parking garages, warehouses, gymnasiums, large retail, stairwells and more.

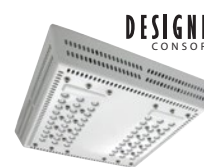
L 20.5" W 13.25" H 6.25"



**TCPATLASGS60HRS**  
ATLAS 100W  
RECESSED LED  
100W / 7600 Lumens

Perfect for hard to reach areas and easy to install. Great for gas station canopies, parking garages, stairwells, walk-in coolers and more.

L 13.6" W 13.6" H 4.41"



**TCPATLASGS60H**  
TCPATLASI5H  
ATLAS 100W  
SURFACE LED  
100W / 7600 Lumens

Perfect for hard to reach areas and easy to install. Great for gas station canopies, parking garages, stairwells, walk-in coolers, and more.

L 15.75" W 15.75" H 2.80"



**TCPATLASGS30H**  
ATLAS 50W  
SURFACE LED  
50W / 3500 Lumens

Perfect for hard to reach areas and easy to install. Great for gas station canopies, parking garages, stairwells, walk-in coolers, and more.

L 13.25" W 10.75" H 3.0"



**TCPATLASI5H**  
ATLAS 20W  
SURFACE LED  
20W / 1250 Lumens

Perfect surface mounted fixture with a long life and low maintenance requirement. Great for entrance canopies, parking garages, stairwells, awnings, walk-in coolers, and more.

L 9.0" W 9.0" H 7.5"

LED Wall Packs



**TCPBLAZER35**  
30W LED BLAZER WALL PACK  
30W / 1950 Lumens

Fully shielded design is dark sky compliant. Great for security lighting, building entrances and over doorways.

L 14" W 9" H 11.5"



**TCPBLAZER50**  
45W LED BLAZER WALL PACK  
45W / 2500 Lumens

Medium wall pack with impact resistant non-yellowing lens provides maximum light output. Great for security lighting, building entrances and over doorways.

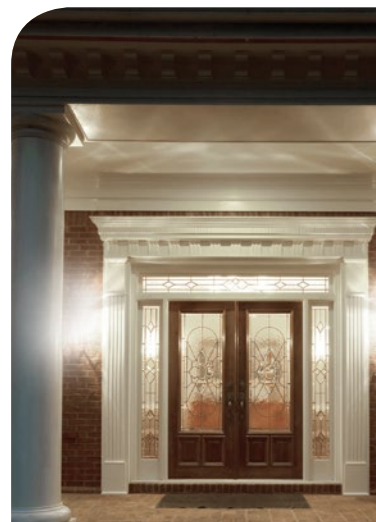
L 14" W 9" H 7"



**TCPBLAZER25**  
20W LED BLAZER WALL PACK  
20W / 1125 Lumens

Small wall pack with impact resistant non-yellowing lens provides maximum light output. Great for security lighting, building entrances and over doorways.

L 13" W 7.75" H 5.5"



Spot Lights | Flood Lights | Dock Lights



**TCPFESTIVALWF**  
45W LED FESTIVAL  
FLOOD LIGHT  
45W / 2600 Lumens

Great for any application where you need to evenly light a large area. Great for lighting over-head highway signs.

L 13.8" W 10.4" H 5.0"



**TCPFESTIVALNF**  
45W LED FESTIVAL  
SPOT LIGHT  
45W / 2600 Lumens

Perfect for flag-pole lighting, security lighting, lighting mines or caves.

L 13.18" W 10.4" H 5.0"



**LEDFL16K50BL01**  
LEDFL16K50BL03  
16W LED  
FLOOD LIGHT  
16W / 850 Lumens

L 4" W 5.5" H 8.5"

**LEDFL16K50BL01**  
Black 16W Flood Light with 45 degree beam & 6' cord, u-bracket, and NEMA 5-15 Male Plug

**LEDFL16K50BL03**  
Black 16W Flood Light with 45 degree beam, pivot arm with pigtail



**LEDSL16K50BL01**  
LEDSL16K50BL03  
16W LED  
SPOT LIGHT  
16W / 850 Lumens

L 4" W 5.5" H 8.5"

**LEDSL16K50BL01**  
Black 16W Spot Light with 15 degree beam & 6' cord, u-bracket, and NEMA 5-15 Male Plug

**LEDSL16K50BL03**  
Black 16W Spot Light with 15 degree beam, pivot arm with pigtail



**LEDDL16K65Y01**  
LEDDL16K65Y02  
LEDDL16K65YCOMBO  
16W LED  
DOCK LIGHT  
16W / 850 Lumens

L 4" W 5.5" H 8.5"

**LEDDL16K65Y01**  
Safety Yellow 16W Dock Light with 6' cord and IEC 60320-C14 Plug

**LEDDL16K65Y02**  
Safety Yellow 16W Dock Light with 6' cord and NEMA 5-15 Male Plug

**LEDDL16K65YCOMBO**  
Dock Light and Dockarm Combo Package



**Dock Light & Dockarm Combo Package**  
Part# LEDDL16K65YCOMBO In Formation

**Included In Combo Package**

1. LEDDL16K65Y01	Standard 16W Docklight
2. LDA42	42" Dockarm with On/Off Switch
3. LDACC	Dock Light Mounting Accessories

All components are delivered together in one complete package.

LED Street Lighting



**TCPMETRO60H**  
100W LED METRO  
STREET LIGHT  
100W / 6500 Lumens

This specification grade area light provides an energy efficient solution for use in parking lots, roadways, pathways and general area lighting. Mounts to 2.5" diameter steel poles.

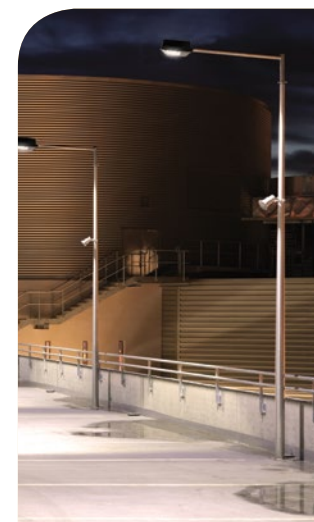
L 20" W 16.5" H 6.9"



**TCPCOBRAI60H**  
100W LED COBRA  
STREET LIGHT  
100W / 6500 Lumens

The Cobra LED street light provides an energy efficient solution for use in parking lots, roadways, pathways and general area lighting. Mounts to 2.5" diameter steel poles. Photocell included.

L 27.5" W 11.8" H 9.0"



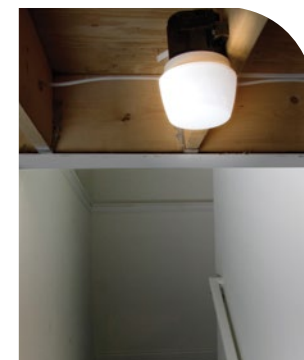
DECORATIVE

# CFL FIXTURES



At TCP, complete customer satisfaction is our everyday mission and our customers are at the center of everything we do. With product quality and innovation at the forefront, TCP continues as the leader in the industry. Experience our energy efficient lighting products and you will agree.

All our fixtures come with industry-leading TCP lamps, assuring unsurpassed reliability at an affordable price. No matter what the situation, TCP has the right fixture to fulfill your lighting demands.







All Outdoor Fixtures Come with Dusk to Dawn Photocell.

### Ceiling Fixtures



Also available in white

**DES1X23GUFLCLBS** (23w Brushed Steel)  
**DES1X23GUFLCLWH** (23w White)  
**DES1X27GUFLCLBS** (27w Brushed Steel)  
**DES1X27GUFLCLWH** (27w White)

#### 15" Flush Mount Ceiling Fixture

Available Brushed Nickel or White Finish with a Cast Alabaster Glass Diffuser.

**Diameter:** 15.25"  
**Depth:** 5.5"  
**Lamp Included.**  
 Choice of 23W or 27W GU Lamp.

**Replacement Glass available:**  
 1x23GUFLCLGLASS (23W)  
 1x27GUFLCLGLASS (27W)



Also available in brushed nickel

**DES1X18GUFLCLBS** (Brushed Steel)  
**DES1X18GUFLCLWH** (White)

#### 11" Flush Mount Ceiling Fixture

Available Brushed Nickel or White Finish with a Cast Alabaster Glass Diffuser.

**Diameter:** 11.5"  
**Depth:** 6"  
**One 18W GU Lamps Included.**

Also available with two 18W GU Lamps.

**DES2X18GUFLCLBS** (Brushed Steel)  
**DES2X18GUFLCLWH** (White)

**Replacement Glass available:**  
 1x18GUFLCLGLASS



Also available in white

**DES2X18GUPENDBS** (Brushed Steel)  
**DES2X18GUPENDWH** (White)

#### Ceiling Pendant Fixture

Available Brushed Nickel or White Finish with a Cast Alabaster Glass Diffuser

**Fixture Diameter:** 19.25"  
**Depth:** 25"  
**Two 18W GU Lamps Included.**

Supplied with 12' of Cord and 4' of Matching Finish Chain



**1173032WH**  
 White Ring Base with Polycarbonate Dome Cover

**Diameter:** 14"  
**Depth:** 4.4"  
**One 30W T9 Circline Lamp Included.**

**Replacement Diffuser available:** 11800DS

**1173032WHHP**  
**1173032WH**  
**11730T9WHBulk6 (6-pack)**



**11830WH**  
 White Step Base with Polycarbonate Dome Cover

**Diameter:** 14"  
**Depth:** 4.4"  
**One 30W T9 Circline Lamp Included.**

**Replacement Diffuser available:** 11800DS



**14230BS**  
 Brushed Steel Base with Glass Dome Cover

**Diameter:** 13"  
**Depth:** 6.3"  
**One 40W T6 Circline Lamp Included.**

(32030)



**14840BS**  
 Brush Steel Base with Melon Glass Dome Cover

**Diameter:** 13"  
**Depth:** 6.3"  
**One 40W T6 Circline Lamp Included.**

(32040)



**11930PB**  
 Polished Brass Step Base with Plastic Swirl Cover

**Diameter:** 14"  
**Depth:** 4.4"  
**One 30W T9 Circline Lamp Included.**

(32030)

### Plastic Ceiling Fixtures

No ground required for plastic fixtures!

**Flush Mount Fixture**  
 Faux Brushed Steel, Faux Polished Brass or White Plastic Step Base with a Plastic Dome Cover

**Fixture Diameter:** 14"  
**Depth:** 6"  
**Two GU24 Lamps Included.**

**Replacement Glass available:**  
 11800DS



**11826BSGU** (26 WATT)  
**11836BSGU** (36 WATT)



**11826PBGU** (26 WATT)  
**11836PBGU** (36 WATT)



**11826WHGU** (26 WATT)  
**11836WHGU** (36 WATT)

### Wall Sconces



**DES1X23GUWALLBS**  
**DES1X23GUWALLWH**

#### Wall Sconce

Brushed Nickel or White Finish with a Cast Alabaster Glass Diffuser

**Width:** 15.25"  
**Height:** 7.5"  
**Depth:** 4"  
**One 23w GU24 Lamp Included.**

### Vanity Fixtures

Nickel Finish with Alabaster Glass Diffusers

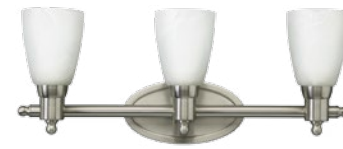
**DES4X13GUBATHBS**  
**4 Lamp Bath Bar**  
**Four 13W GU Lamps Included.**

**Width:** 36.25"  
**Height:** 10"  
**Depth:** 5.5"



**DES3X13GUBATHBS**  
**3 Lamp Bath Bar**  
**Three 13W GU Lamps Included.**

**Width:** 26.25"  
**Height:** 10"  
**Depth:** 5.5"



### Pagoda

Diecast housing, black or white powdercoat finish with white glass lens.



**510XXBPCGU\***

**Height:** 9.0"  
**Width:** 6.0"



**510XXWPCGU\***

Available with choice of one 13w, 18w, 23w, or 27w GU lamp.

### Wall Mount Lantern

Diecast body with a frosted acrylic diffuser and automatic sensor. Choice of powder coat black, powder coat white or brushed steel finish.



**520XXBPCGU\***

Available with choice of one 13w, 18w or 23w GU lamp.



**520XXWPCGU\***



**520XXBSPCGU\***

**Height:** 9.75"  
**Width:** 7.75"  
**Depth:** 4.25"

### Globe Light

Polycarbonate body, black or white finish with white or prismatic diffuser.



**558XXWPCGU†\***  
**558XXWP2GU°\***

†White Diffuser

**Height:** 10.0"  
**Width:** 7.4"  
**Depth:** 6.0"



**558XXBPCGU†\***  
**558XXBP2GU°\***

°Prismatic Diffuser

Available with choice of one 13w, 18w, or 23w GU lamp.

### Porch Light

Polycarbonate body, black or white finish with prismatic diffuser. Choice of either wall or ceiling mounted unit.



**563XXBPCGU\***

**564XXBPCGU\***

**Height:** 9.45"  
**Width:** 5.75"  
**Depth:** 4.4"



**563XXWPCGU\***

**564XXWPCGU\***

Available with choice of one 9w, 13w, 18w, 23w, or 27w GU lamp.

### Wallpack

Polycarbonate housing, black or white finish with prismatic lens.



**570XXBPCGU\*** **570XXWPCGU\***

**Height:** 9.5"  
**Width:** 6.6"  
**Depth:** 4.5"

Available with choice of one 13w, 18w, 23w, or 27w GU lamp.

### Closet Light

**CL13 Closet Light**

White Plastic with metal pull chain, acrylic diffuser  
**Width:** 5"  
**Height:** 4"  
**Depth:** 4"  
**Lamp Included.**

(Great for basements and crawl spaces too!)



Available with one 13W Low Profile GU Lamp.  
 Also available without metal pull chain: CL13B.

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Decorative CFL Fixtures

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### Decorative Fixture Specs

Item Number	ENERGY STAR®	Item Description	Lamp Type	Ballast / Lamp Watts	Ballast Watts	Incandescent Comparison	Initial Lumens	Correlated Color Temperature	Width / Diameter	Depth	Lamp Life	Voltage	Lens Color	Overall Finish	Replacement Lamp	Replacement Ballast	Number of Lamps
1173019WHBULK6		14" White Ring Base w/ Plastic Dome 6-Pack	Circline	30	30	120	2,000	2850K	14	4.4	10,000	120	White Plastic	White	32030	17030Q	1
1173032WHHP		14" White Ring Base w/ Plastic Dome	Circline	30	32	130	2,200	2850K	14	4.4	10,000	120	White Plastic	White	32032	12530Q	1
1173032WH		14" White Ring Base w/ Plastic Dome	Circline	30	32	130	2,200	2850K	14	4.4	10,000	120	White Plastic	White	32032	17030Q	1
11830WH	★	14" White Step Base w/ Plastic Dome	Circline	30	30	120	2,000	2850K	14	4.4	10,000	120	White Plastic	White	32030	17030Q	1
11930PB	★	14" Polished Brass Step Base w/ Plastic Swirl Cover	Circline	30	30	120	2,000	2850K	14	4.4	10,000	120	White Swirl Plastic	Polished Brass	32030	17030Q	1
14230BS		13" Brushed Nickel Base w/ Alabaster Glass	Circline	30	30	120	2,000	2850K	13	6.3	10,000	120	Alabaster	Brushed Nickel	32030	17030Q	1
14840BS	★	13" Brushed Nickel Base w/ Alabaster Glass	Circline	40	40	150	2,800	2850K	13	6.3	10,000	120	Melon	Brushed Nickel	32040	17040Q	1

### Decorative Fixture Specs

Item Number	ENERGY STAR®	Item Description	Lamp Type	Ballast / Lamp Watts	Ballast Watts	Incandescent Comparison	Initial Lumens	Correlated Color Temperature	Width / Diameter	Depth	Lamp Life	Voltage	Lens Color	Overall Finish	Replacement Lamp	Replacement Ballast	Number of Lamps
11826BSGU	★	14" Faux Brushed Steel Step Base w/ Plastic Dome Cover	GU24 SpringLamp	13	13	60	900	*2700K	11.5	6	10,000	120	White	Brushed Steel	33113SP		2
11836BSGU		14" Faux Brushed Steel Step Base w/ Plastic Dome Cover	GU24 SpringLamp	18	18	75	1,200	*2700K	11.5	6	10,000	120	White	Brushed Steel	33118SP		2
11826PBGU	★	14" Faux Polished Brass Step Base w/ Plastic Dome Cover	GU24 SpringLamp	13	13	60	900	*2700K	15.5	5.5	10,000	120	White	Polished Brass	33113SP		2
11836PBGU		14" Faux Polished Brass Step Base w/ Plastic Dome Cover	GU24 SpringLamp	18	18	75	1,200	*2700K	15.5	5.5	10,000	120	White	Polished Brass	33118SP		2
11826WHGU	★	14" White Step Base w/ Plastic Dome Cover	GU24 SpringLamp	13	13	60	900	*2700K	19.25	25	10,000	120	White	White	33113SP		2
11836WHGU		14" White Step Base w/ Plastic Dome Cover	GU24 SpringLamp	18	18	75	1,200	*2700K	19.25	25	10,000	120	White	White	33118SP		2

#### GU24 CEILING Fixture Specs

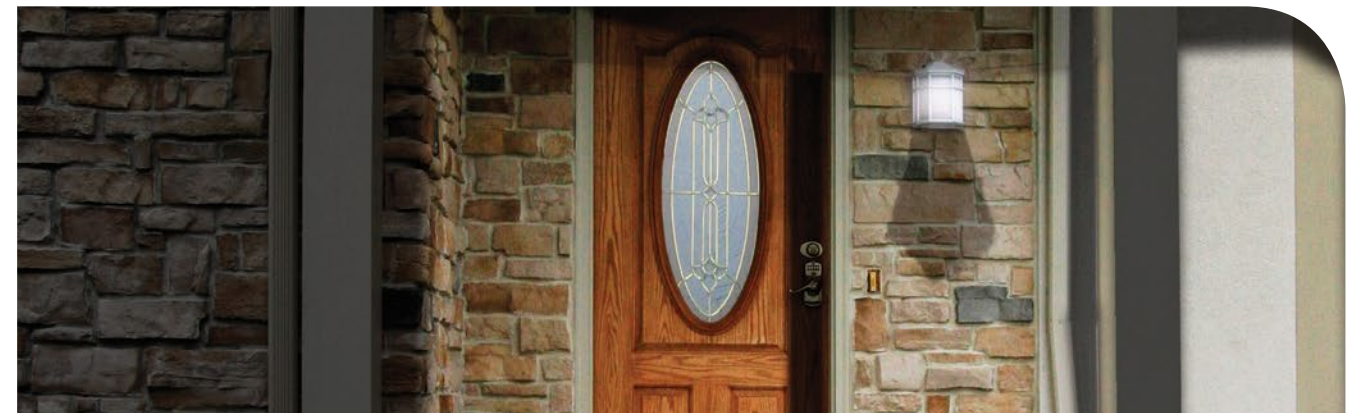
#### GU24 CLOSET LIGHT Specs

#### GU24 VANITY Fixture Specs

#### GU24 WALL SCONCE Fixture Specs

Item Number	ENERGY STAR®	Item Description	Lamp Type	Ballast / Lamp Watts	Ballast Watts	Incandescent Comparison	Initial Lumens	Correlated Color Temperature	MOH / Height	Width / Diameter	Depth	Lamp Life	Voltage	Lens Color	Overall Finish	Replacement Lamp	Number of Lamps
CL13	★	13W Closet Light, Pull Chain	GU24 SpringLamp	13	13	60	900	*2700K		5	4	10,000	120	White	White Plastic	33213SSP	1
CL13B	★	13W Closet Light, Without Pull Chain	GU24 SpringLamp	13	13	60	900	*2700K		5	4	10,000	120	White	White Plastic	33213SSP	1
DES1X23GUFLCLBS	★	15" Flush Mount Ceiling Fixture 1 x 23w w/ Brushed Nickel Finish	GU24 SpringLamp	23	23	90	1,600	*2700K		15.5	5.5	10,000	120	Alabaster	Brushed Nickel	33123SP	1
DES1X23GUFLCLWH	★	15" Flush Mount Ceiling Fixture 1 x 23w w/ White Finish	GU24 SpringLamp	23	23	90	1,600	*2700K		15.5	5.5	10,000	120	Alabaster	White	33123SP	1
DES1X27GUFLCLBS	★	15" Flush Mount Ceiling Fixture 1 x 27w w/ Brushed Nickel Finish	GU24 SpringLamp	27	27	100	1,800	*2700K		15.5	5.5	10,000	120	Alabaster	Brushed Nickel	33127SP	1
DES1X27GUFLCLWH	★	15" Flush Mount Ceiling Fixture 1 x 27w w/ White Finish	GU24 SpringLamp	27	27	100	1,800	*2700K		15.5	5.5	10,000	120	Alabaster	White	33127SP	1
DES1X18GUFLCLBS	★	11" Flush Mount Ceiling Fixture 1 x 18w w/ Brushed Nickel Finish	GU24 SpringLamp	18	18	75	1,200	*2700K		11.5	6	10,000	120	Alabaster	Brushed Nickel	33118SP	1
DES1X18GUFLCLWH	★	11" Flush Mount Ceiling Fixture 1 x 18w w/ White Finish	GU24 SpringLamp	18	18	75	1,200	*2700K		11.5	6	10,000	120	Alabaster	White	33118SP	1
DES2X18GUFLCLBS		11" Flush Mount Ceiling Fixture 2 x 18w w/ Brushed Nickel Finish	GU24 SpringLamp	18	36	75	2,400	*2700K		11.5	6	10,000	120	Alabaster	Brushed Nickel	33118SP	2
DES2X18GUFLCLWH		11" Flush Mount Ceiling Fixture 2 x 18w w/ White Finish	GU24 SpringLamp	18	36	75	2,400	*2700K		11.5	6	10,000	120	Alabaster	White	33118SP	2
DES2X18GUPENDBS	★	Ceiling Pendant Fixture 2 x 18w w/ Brushed Nickel Finish	GU24 SpringLamp	18	36	75	2,400	*2700K	19.25	25	10,000	120	Alabaster	Brushed Nickel	33118SP		2
DES2X18GUPENDWH	★	Ceiling Pendant Fixture 2 x 18w w/ Brushed Nickel Finish	GU24 SpringLamp	18	36	75	2,400	*2700K	19.25	25	10,000	120	Alabaster	White	33118SP		2

\* 3000K, 3500K, 4100K, 5100K GU24 lamps also available.



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Decorative CFL Fixtures

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### Decorative Fixture Specs

Item Number	ENERGY STAR®	Item Description	Lamp Type	Ballast / Lamp Watts	Ballast Watts	Incandescent Comparison	Initial Lumens	Correlated Color Temperature	MOI / Height	Width / Diameter	Depth	Lamp Life	Voltage	Lens Color	Overall Finish	Replacement Lamp	Number of Lamps
<b>GU24 OUTDOOR FLOODLIGHT Fixture Specs</b>																	
	56513BRPCGU	Outdoor Floodlight	GU24	13	13	60	900	*2700K	6.6	9.5	4.5	10,000	120	Clear	Brown	33113SP	1
	56518BRPCGU		GU24	18	18	75	1,200	*2700K	6.6	9.5	4.5	10,000	120	Clear	Brown	33118SP	1
	56523BRPCGU		GU24	23	23	90	1,600	*2700K	6.6	9.5	4.5	10,000	120	Clear	Brown	33123SP	1
	56527BRPCGU		GU24	27	27	100	1,800	*2700K	6.6	9.5	4.5	10,000	120	Clear	Brown	33127SP	1
	56532BRPCGU		GU24	32	32	120	2,000	*2700K	6.6	9.5	4.5	10,000	120	Clear	Brown	33132SP	1
<b>GU24 OUTDOOR GLOBE Fixture Specs</b>																	
	55813BPCGU	★ Outdoor Globe, Wall Mount, Black Finish, White Diffuser	GU24	13	13	60	900	*2700K	10	7.4	6	10,000	120	WH	Black	33113SP	1
	55818BPCGU	★	GU24	18	18	75	1,200	*2700K	10	7.4	6	10,000	120	WH	Black	33118SP	1
	55823BPCGU		GU24	23	23	90	1,600	*2700K	10	7.4	6	10,000	120	WH	Black	33123SP	1
	55813WPCGU	★ Outdoor Globe, Wall Mount, White Finish, White Diffuser	GU24	13	13	60	900	*2700K	10	7.4	6	10,000	120	WH	White	33113SP	1
	55818WPCGU	★	GU24	18	18	75	1,200	*2700K	10	7.4	6	10,000	120	WH	White	33118SP	1
	55823WPCGU		GU24	23	23	90	1,600	*2700K	10	7.4	6	10,000	120	WH	White	33123SP	1
<b>GU24 OUTDOOR LANTERN Fixture Specs</b>																	
	52013BPCGU	★ Outdoor Lantern Fixture, Wall Mount, Black Finish	GU24	13	13	60	900	*2700K	9.75	7.75	4.25	10,000	120	White	Black	33113SP	1
	52018BPCGU	★	GU24	18	18	75	1,200	*2700K	9.75	7.75	4.25	10,000	120	White	Black	33118SP	1
	52023BPCGU	★	GU24	23	23	90	1,600	*2700K	9.75	7.75	4.25	10,000	120	White	Black	33123SP	1
	52013WPCGU	★ Outdoor Lantern Fixture, Wall Mount, White Finish	GU24	13	13	60	900	*2700K	9.75	7.75	4.25	10,000	120	White	White	33113SP	1
	52018WPCGU	★	GU24	18	18	75	1,200	*2700K	9.75	7.75	4.25	10,000	120	White	White	33118SP	1
	52023WPCGU	★	GU24	23	23	90	1,600	*2700K	9.75	7.75	4.25	10,000	120	White	White	33123SP	1
	52013BSPCGU	★ Outdoor Lantern Fixture, Wall Mount, Brushed Steel Finish	GU24	13	13	60	900	*2700K	9.75	7.75	4.25	10,000	120	White	Brushed Steel	33113SP	1
	52018BSPCGU	★	GU24	18	18	75	1,200	*2700K	9.75	7.75	4.25	10,000	120	White	Brushed Steel	33118SP	1
	52023BSPCGU	★	GU24	23	23	90	1,600	*2700K	9.75	7.75	4.25	10,000	120	White	Brushed Steel	33123SP	1

\* 3000K, 3500K, 4100K, 5100K GU24 lamps also available.





### Decorative Fixture Specs

Item Number	ENERGY STAR®	Item Description	Lamp Type	Ballast / Lamp Watts	Ballast Watts	Incandescent Comparison	Initial Lumens	Correlated Color Temperature	MOI / Height	Width / Diameter	Depth	Lamp Life	Voltage	Lens Color	Overall Finish	Replacement Lamp	Number of Lamps
<b>GU24 PAGODA Fixture Specs</b>																	
	51013BPCGU	★ Outdoor Pagoda Fixture, Black Finish	GU24	13	13	60	900	*2700K	9	6	7	10,000	120	White	Black	33113SP	1
	51018BPCGU	★	GU24	18	18	75	1,200	*2700K	9	6	7	10,000	120	White	Black	33118SP	1
	51023BPCGU	★	GU24	23	23	90	1,600	*2700K	9	6	7	10,000	120	White	Black	33123SP	1
	51027BPCGU	★	GU24	27	27	90	1,800	*2700K	9	6	7	10,000	120	White	Black	33127SP	1
	51032BPCGU	★	GU24	32	32	90	2,000	*2700K	9	6	7	10,000	120	White	Black	33132SP	1
	51013WPCGU	★ Outdoor Pagoda Fixture, White Finish	GU24	13	13	60	900	*2700K	9	6	7	10,000	120	White	White	33113SP	1
	51018WPCGU	★	GU24	18	18	75	1,200	*2700K	9	6	7	10,000	120	White	White	33118SP	1
	51023WPCGU	★	GU24	23	23	90	1,600	*2700K	9	6	7	10,000	120	White	White	33123SP	1
	51027WPCGU	★	GU24	27	27	90	1,800	*2700K	9	6	7	10,000	120	White	White	33127SP	1
	51032WPCGU	★	GU24	32	32	90	2,000	*2700K	9	6	7	10,000	120	White	White	33132SP	1
<b>GU24 OUTDOOR PORCH Fixture Specs</b>																	
	57013BPCGU	★ Outdoor Wallpack, Black Finish	GU24	13	13	60	900	*2700K	10	7.4	4.4	10,000	120	Prismatic	Black	33113SP	1
	57018BPCGU	★	GU24	18	18	75	1,200	*2700K	10	7.4	4.4	10,000	120	Prismatic	Black	33118SP	1
	57023BPCGU	★	GU24	23	23	90	1,600	*2700K	10	7.4	4.4	10,000	120	Prismatic	Black	33123SP	1
	57027BPCGU	★	GU24	27	27	100	1,200	*2700K	10	7.4	4.4	10,000	120	Prismatic	Black	33127SP	1
	57032BPCGU	★	GU24	32	32	120	1,600	*2700K	10	7.4	4.4	10,000	120	Prismatic	Black	33132SP	1
	57013WPCGU	★ Outdoor Wallpack, White Finish	GU24	13	13	60	900	*2700K	10	7.4	4.4	10,000	120	Prismatic	White	33113SP	1
	57018WPCGU	★	GU24	18	18	75	1,200	*2700K	10	7.4	4.4	10,000	120	Prismatic	White	33118SP	1
	57023WPCGU	★	GU24	23	23	90	1,600	*2700K	10	7.4	4.4	10,000	120	Prismatic	White	33123SP	1
	57027WPCGU	★	GU24	27	27	100	1,200	*2700K	10	7.4	4.4	10,000	120	Prismatic	White	33127SP	1
	57032WPCGU	★	GU24	32	32	120	1,600	*2700K	10	7.4	4.4	10,000	120	Prismatic	White	33132SP	1

### Decorative Fixture Specs

### Decorative Fixture Specs

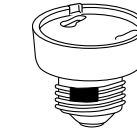
#### GU24 OUTDOOR PORCH Fixture Specs

Item Number	ENERGY STAR®	Item Description	Lamp Type	Ballast / Lamp Watts	Ballast Watts	Incandescent Comparison	Initial Lumens	Correlated Color Temperature	MOI / Height	Width / Diameter	Depth	Lamp Life	Voltage	Lens Color	Overall Finish	Replacement Lamp	Number of Lamps
 56309BPCGU	★	Outdoor Porch Light, Wall Mount, Black Finish, Prismatic Diffuser	GU24	9	9	40	450	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33109SP	1
56313BPCGU	★		GU24	13	13	60	900	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33113SP	1
56318BPCGU	★		GU24	18	18	75	1,200	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33118SP	1
56323BPCGU	★		GU24	23	23	90	1,600	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33123SP	1
56327BPCGU	★		GU24	27	27	100	1,850	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33127SP	1
56332BPCGU	★		GU24	32	32	120	2,200	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33132SP	1
 56309WPCGU	★	Outdoor Porch Light, Wall Mount, White Finish, Prismatic Diffuser	GU24	9	9	40	450	*2700K	10	7.4	6	10,000	120	Prismatic	White	33109SP	1
56313WPCGU	★		GU24	13	13	60	900	*2700K	10	7.4	6	10,000	120	Prismatic	White	33113SP	1
56318WPCGU	★		GU24	18	18	75	1,200	*2700K	10	7.4	6	10,000	120	Prismatic	White	33118SP	1
56323WPCGU	★		GU24	23	23	90	1,600	*2700K	10	7.4	6	10,000	120	Prismatic	White	33123SP	1
56327WPCGU	★		GU24	27	27	100	1,850	*2700K	10	7.4	6	10,000	120	Prismatic	White	33127SP	1
56332WPCGU	★		GU24	32	32	120	2,200	*2700K	10	7.4	6	10,000	120	Prismatic	White	33132SP	1
 56409BPCGU	★	Outdoor Porch Light, Ceiling Mount, Black Finish, Prismatic Diffuser	GU24	9	9	40	450	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33109SP	1
56413BPCGU	★		GU24	13	13	60	900	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33113SP	1
56418BPCGU	★		GU24	18	18	75	1,200	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33118SP	1
56423BPCGU	★		GU24	23	23	90	1,600	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33123SP	1
56427BPCGU	★		GU24	27	27	100	1,850	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33127SP	1
56432BPCGU	★		GU24	32	32	120	2,200	*2700K	10	7.4	6	10,000	120	Prismatic	Black	33132SP	1
 56409WPCGU	★	Outdoor Porch Light, Ceiling Mount, White Finish, Prismatic Diffuser	GU24	9	9	40	450	*2700K	10	7.4	6	10,000	120	Prismatic	White	33109SP	1
56413WPCGU	★		GU24	13	13	60	900	*2700K	10	7.4	6	10,000	120	Prismatic	White	33113SP	1
56418WPCGU	★		GU24	18	18	75	1,200	*2700K	10	7.4	6	10,000	120	Prismatic	White	33118SP	1
56423WPCGU	★		GU24	23	23	90	1,600	*2700K	10	7.4	6	10,000	120	Prismatic	White	33123SP	1
56427WPCGU	★		GU24	27	27	100	1,850	*2700K	10	7.4	6	10,000	120	Prismatic	White	33127SP	1
56432WPCGU	★		GU24	32	32	120	2,200	*2700K	10	7.4	6	10,000	120	Prismatic	White	33132SP	1

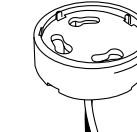
\* 3000K, 3500K, 4100K, 5100K GU24 lamps also available.

#### GU24 Sockets

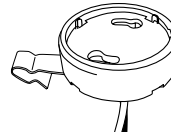
331SKTLKT	Socket Lock It
331002SKT	2 Way Socket - 12", 24", 72" Lengths
331SPRCLP	Spring Clip Ceiling Applications
331SDSKT	For Vanity Lights and Ceiling Fixtures
331003SKT	Recessed Can Socket
331004SKT	Clips into Recessed Can
331EXTNT	Socket Extender
331SDADJ	Adjustable for Vanity Applications
331THSKT	Pendant Mount Socket



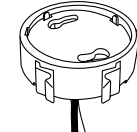
331SKTLKT



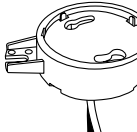
331002SKT



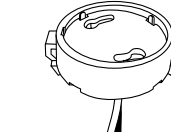
331SPRCLP



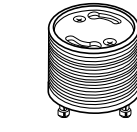
331SDSKT



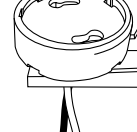
331003SKT



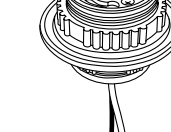
331004SKT



331EXTNT



331SDADJ



331THSKT

### Decorative Fixture Warranty

This TCP product is warranted for a period of two years from date of original purchase against defects in materials and workmanship. If these products fail to operate due to materials and/or workmanship, simply return this to the place of purchase or to the TCP, Inc. Service Center (address on the back of catalog) with its RGA as stated in the terms and conditions, and the product will be repaired or replaced at TCP's sole discretion. This warranty is expressly limited to repair or replacement of the product. No labor charge will be honored without prior written factory authorization. Damage incurred from handling or in transit is not covered by this warranty. Claims from shipping damages must be filed with the carrier. This warranty gives the customer specific legal rights, which vary from state to state. Light bulbs are not covered in this warranty. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.



# EXIT & EMERGENCY



From die cast aluminum to sleek Injection-molded high-impact thermoplastic units, TCP has the perfect solution for you for the following applications:

- Theaters
- Malls
- Schools
- Commercial Buildings
- Office Buildings
- Multi-unit Residential Buildings
- Hotels and More!

**NEW FOR 2013!**

## Exit & Emergency (All LED option)

### FEATURES / BENEFITS

- Long LED lamp life of 25 years and very low energy consumption.
- Our battery backup units feature either a maintenance-free nickel-cadmium battery or sealed lead acid battery; both offering an expected life of up to 10 years.
- 7 year battery warranty on NiCad battery
- We offer signs for every application!



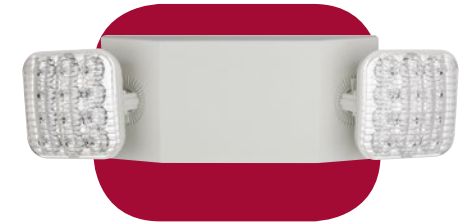
All LED Die-Cast Aluminum COMBO (LEDDCDRALCOMBO)



All LED COMBO Signs (LED20784)



All LED Light Stream COMBO (LEDPCUGWRC)



LED Low Profile Thermoplastic Emergency Light (LEDWEL)



All LED Wet Location Rated Emergency Decorative Unit (Also available in Cold Location) (WLBSDT)



LED Remote Heads (LEDRH2)



Snap-on All LED Combo (LEDRWRC)

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Exit & Emergency Lighting

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We are proud to offer our new full **LED exit and emergency** line. This line offer the best in energy efficiency and is perfect for many applications, including damp location. These well designed, beautiful units are low maintenance and provide the brightest light while using very little energy.

**All LED Combo Signs**  
**All LED Emergency Lighting**

**ALL LED COMBO SIGNS**



(Add "B" to the end of Part # for Black Housing Version. ex. LED20723B)

Item Number	TCP Traditional Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Exit Color	AC/Battery Backup	Housing Color	Temperature Range	Battery	Stocking or Special
LED20723	20723	White LED Combo Universal Face, Red, White Housing	3	8	16.2	2.1	red	NiCd BBUP	white	32F to 122F	207B3	ST
LED20725	20725	White LED Combo Universal Face, Green, White Housing	3	8	16.2	2.1	green	NiCd BBUP	white	32F to 122F	207B3	ST
LED20784	20784	White LED Combo Universal Face, Red, White Housing, Remote Capable	3	8	16.2	2.1	red	NiCd BBUP	white	32F to 122F	207B3	ST
LED20785	20785	White LED Combo Universal Face, Green, White Housing, Remote Capable	3	8	16.2	2.1	green	NiCd BBUP	white	32F to 122F	207B3	ST

**Accessories**

LEDRH1	Led Combo Remote Head, Single Head, SDT	LEDRH1WLSDT	Led Combo Remote Head, Single Head, Wet Location, SDT
LEDRH2	Led Combo Remote Head, Double Head, SDT	LEDRH2WLSDT	Led Combo Remote Head, Double Head, Wet Location, SDT

**ALL LED EMERGENCY LIGHTING**



LEDWEL	20760, 20761	White LED Emergency Light	3	3.5	9	2.1		BBUP	white		207B3	ST
LEDWELRC	20765	White LED Emergency Light Remote Capable	3	3.5	9	2.1		BBUP	white		207B3	ST
LEDWELSDT	20766SD	White LED Emergency Light, SDT	3	3.5	9	2.1		BBUP	white		207B3	ST
LEDWELRCSDT	20765, 20766SD	White LED Emergency Light, White Remote Capable, SDT	3	3.5	9	2.1		BBUP	white		207B3	SP

**LED Emergency Lighting Remote Heads**



LEDEL1SDT	207R1	LED Emergency Lighting Remote Head Single SDT	1	5	3	3			white			ST
LEDEL2SDT	207R2	LED Emergency Lighting Remote Head Double SDT	1.5	5	8	3			white			ST
LEDEL1SDTWL		LED Emergency Lighting Single Remote Head Wet Location SDT	1	5	3	3			white			ST
LEDEL2SDTWL		LED Emergency Lighting Double Remote Head Wet Location SDT	1.5	5	8	3			white			SP

**Black LED Emergency Lighting**



LEDWELB	20762, 20763D	LED Emergency Lighting Black	3	3.5	9	2.1			Black			ST
LEDWELRCB		LED Emergency Lighting, Black, Remote Capable	3	3.5	9	2.1			Black			ST
LEDWELSDTB		LED Emergency Lighting, Black, SDT	3	3.5	9	2.1			Black			SP
LEDWELRCSDTB		LED Emergency Lighting Black Remote Capable SDT	3	3.5	9	2.1			Black			SP

**BLACK LED EMERGENCY LIGHTING REMOTE HEADS**



LEDEL1SDTB		LED Emergency Lighting Remote Head, Single, Black	1	5	3	3			Black			ST
LEDEL2SDTB		LED Emergency Lighting Remote Head, Double, Black	1.5	5	8	3			Black			ST
LEDEL1SDTWLB		LED Emergency Lighting Remote Head, Black, Wet Location SDT, Single	1	5	3	3			Black			SP
LEDEL2SDTWLB		LED Emergency Lighting Remote Head, Black, Wet Location SDT, Double	1.5	5	8	3			Black			SP

Call for availability on Special (SPC)

**Wet Location Emergency Light**  
**LED Die Cast Combo**

**WET LOCATION DIE CAST EMERGENCY LIGHT**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Housing Color	AC/Battery Backup	Battery	Stocking or Special
WLBSDT	WET LOCATION, DIE CAST EMERGENCY LIGHT, BLACK SDT, LED	8	7.3	8.5	10.5	BL	BBUP	207B3	ST
WLBRSDT	WET LOCATION, DIE CAST EMERGENCY LIGHT, BRONZE, SDT, LED	8	7.3	8.5	10.5	BRONZE	BBUP	207B3	ST
WLWSDT	WET LOCATION, DIE CAST EMERGENCY LIGHT, WHITE, SDT, LED	8	7.3	8.5	10.5	WH	BBUP	207B3	SP
WLBSDTCW	WET LOCATION, DIE CAST EMERGENCY LIGHT, BLACK SDT, LED, COLD WEATHER	8	7.3	8.5	10.5	BL	BBUP	207B3	ST
WLBRSDTCW	WET LOCATION, DIE CAST EMERGENCY LIGHT, BRONZE, SDT, LED, COLD WEATHER	8	7.3	8.5	10.5	BRONZE	BBUP	207B3	SP
WLWSDTCW	WET LOCATION, DIE CAST EMERGENCY LIGHT, WHITE, SDT, LED, COLD WEATHER	8	7.3	8.5	10.5	WH	BBUP	207B3 207B3	SP



**LED DIE CAST COMBO**

LEDDCDRALCOMBO	COMBO DIE CAST, DOUBLE FACE, RED, BBUP, LED, ALUMINUM FACE, BODY	5	8.2	9.1	8.2	ALUMINUM	BBUP	207B3	ST
LEDDCDRWCOMBO	COMBO DIE CAST DOUBLE FACE RED BBUP, WHITE FACE AND BODY	5	8.2	9.1	8.2	WH	BBUP	207B3	SP
LEDDCGALCOMBO	COMBO DIE CAST, DOUBLE FACE, GREEN, BBUP, LED, ALUMINUM FACE, BODY	5	8.2	9.1	8.2	ALUMINUM	BBUP	207B3	SP
LEDDCGWCOMBO	COMBO DIE CAST DOUBLE FACE GREEN BBUP, WHITE FACE AND BODY	5	8.2	9.1	8.2	WH	BBUP	207B3	SP



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**Polycarbonate LED Exit Signs**  
**Polycarbonate Emergency Lights**

**POLYCARBONATE LED EXIT SIGNS, 120 OR 277 VOLTAGE, DAMP LOCATION**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
22742	Red LED Exit Sign Universal AC Only White Housing	2.4	7.25	11.8	1.8	25	red	AC Only	D	white	50F to 104F	N/A	N/A	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22743	Red LED Exit Sign Universal Battery Backup White Housing	2.3	7.25	11.8	1.8	25	red	BBUP	D	white	50F to 104F	N/A	207B2	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22745	Green LED Exit Sign Universal Battery Backup White Housing	2.3	7.25	11.8	1.8	25	green	BBUP	D	white	50F to 104F	N/A	207B3	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22747	Red LED Exit Sign Universal Battery Backup Black Housing	2.4	7.25	11.8	1.8	25	red	BBUP	D	black	50F to 104F	N/A	207B2	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
22749	Green LED Exit Sign Universal Battery Backup Black Housing	2.4	7.25	11.8	1.8	25	green	BBUP	D	black	50F to 104F	N/A	207B3	N/A	90	NFPA LIFE Safety Code 101, NEC, ETL	STK
20750	Red LED Exit Sign Dual Circuit	4	8.5	12.25	1.75	25	red	AC Only	D	white	-4°F to 113°F	N/A	N/A	N/A	N/A	UL 924, NFPA LIFE Safety Code 101	STK
20751	Green LED Exit Sign Dual Circuit	2	8.5	12.25	1.75	25	green	AC Only	D	white	-4°F to 113°F	N/A	N/A	N/A	N/A	UL 924, NFPA LIFE Safety Code 101	STK
20743 DRM	Red LED Exit Sign Universal Battery Backup White Housing Remote Capable	3.2	10	13	2.75	25	red	BBUP	D	white	-4°F to 113°F	N/A	20734	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed, NEC, OSHA	STK
20745 DRM	Green LED Exit Sign Universal Battery Backup White Housing Remote Capable	2	10	13	2.75	25	green	BBUP	D	white	-4°F to 113°F	N/A	20734	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed, NEC, OSHA	STK

**POLYCARBONATE EMERGENCY LIGHTS, 120 OR 277 VOLTAGE, DAMP LOCATION**

20760	Emergency Light 2 x 5.4W Square Heads, White Finish	10.8	5	16	3.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
207606	6-Pack Emergency Light 2 x 5.4W Square Heads, White Finish	10.8	5	16	3.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20765	Emergency Light 2 x 5.4W Square Heads, White Finish w/ Remote Capability	10.8	5	16	3.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 5.4W 939/20739	N/A	90	UL/ETL Listed	STK
21760	Emergency Light 2 x 5.4W Fixed Prismatic Heads White	10.8	5	12	2.5	N/A	N/A	BBUP	N/A	white	20° to 95°F	2	6V 54W DC T5/20734	N/A	90	UL/ETL Listed	STK
21762	Emergency Light 2 x 5.4W Fixed Prismatic Heads Black	10.8	5	12	2.5	N/A	N/A	BBUP	N/A	black	20° to 95°F	2	6V 54W DC T5/20734	N/A	90	UL/ETL Listed	STK

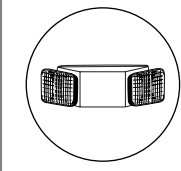
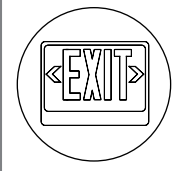
**Accessories for Poly LED Exit Signs**

207WG	Wire Guard for Exit Sign
207WGW	White Wire Guard for Exit Sign
207PS	Polycarbonate shield for Exit Sign
207B2	Ni-Cd Battery 2.4V 300 mAh
207B3	Ni-Cd Battery 3.6V 300 mAh
20734	Lead Acid Battery 6V 4.5 Ah
20704	Plastic Exit Canopy

**Accessories for Poly Emergency Lights**

207WG	Wire Guard for Exit Sign
207R1	Single White Remote Head 6W 6V
207R2	Double White Remote Head 6W 6V
207R3	Single Grey Remote Waterproof Head 5.4W 6V
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V
20734	Lead Acid Battery 6V 4.5 Ah In-terminals
20734J	Lead Acid Battery 6V 4.5 Ah Out-terminals
20739	Lead Acid Battery 6V 10 Ah

Call for availability on Special (SPC)



**Polycarbonate Combos**  
**Heavy Duty Emergency Lighting**

**POLYCARBONATE EMERGENCY / EXIT COMBINATION SIGNS, 120 OR 277 VOLTAGE, DAMP LOCATION**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
20684	Full LED Exit/Em. Combo Red Letters, White Housing	1	7.48	12.2	1.65	25+	red	BBUP	double	white	32° to 100°F	2	206HDS/207B4	N/A	90	UL 924 Listed	STK
20685	Full LED Exit/Em. Combo Green Letters, White Housing	1	7.48	12.2	1.65	25+	green	BBUP	double	white	32° to 100°F	2	206HDS/207B4	N/A	90	UL 924 Listed	STK
20723	2 Headed Adjustable LED Economy Exit/Em. Combo Red Letters, White Housing	4	10	22	2.75		red	BBUP	double	white	68° to 104°	2	939/20734	N/A	90	UL/ETL Listed	STK
207232	2 Pack 2 Headed Adjustable LED Economy Exit/Em. Combo Red Letters, WH Hs	4	10	22	2.75		red	BBUP	double	white	68° to 104°	2	939/20734	N/A	90	UL/ETL Listed	STK
20784	2 Headed Adjustable LED Exit/Em. Combo Red Letters with White Housing, Remote Capability	4	15.6	21.6	4.5	25	red	BBUP	double	white	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20784RM	2 Headed Adjustable LED Exit/Em. Combo Red Letters, White Housing with Remote Test	4	15.6	21.6	4.5	25	red	BBUP	double	white	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20785	2 Headed Adjustable LED Exit/Em. Combo GRN Letters, White Housing, Remote Capability	2	15.6	21.6	4.5	25	green	BBUP	double	white	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20794	2 Headed Adjustable LED Exit/Em. Combo Red Letters, Black Housing	4	15.6	21.6	4.5	25	red	BBUP	double	black	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK
20795	2 Headed Adjustable LED Exit/Em. Combo GRN Letters, Black Housing	2	15.6	21.6	4.5	25	green	BBUP	double	black	5° to 104°F	2	6V 5.4W 939/20734	N/A	90	UL/ETL Listed	STK

**Accessories**

207LWG	Large Wire Guard for Exit Sign	206HDS	White LED Emergency Heads
207R1	Single White Remote Head 6W 6V	207B4	Ni-Cd Battery 4.8VDC
207R2	Double White Remote Head 6W 6V	20703	Plastic Exit Canopy LED Combo
207R3	Single Grey Remote Waterproof Head 5.4W 6V	206FPWH	Faceplate LED Combo
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V		
207RT	Hand Held Remote Test Unit		
20734	Lead Acid Battery 6V 4.5 Ah In-Terminals		

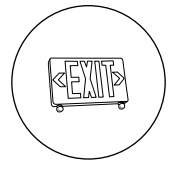
**HEAVY DUTY EMERGENCY LIGHTING, 120 OR 277 VOLTAGE, DAMP LOCATION**

20775	50 Watt 6V Heavy Duty Emergency Light Unit w/ 35W Remote Capacity	50/35	14	12.5	3	N/A	N/A	BBUP	N/A	off-white	-40° to 50°C	2	6V 7.2W/20739	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed	SPC
20776	50 Watt 12V Heavy Duty Emergency Light Unit w/ 32W Remote Capacity	50/32	14	12.5	3	N/A	N/A	BBUP	N/A	off-white	-40° to 50°C	2	12V 9W/20739	N/A	90	UL 924, NFPA LIFE Safety Code 101, ETL Listed	SPC

**Accessories**

207R1	Single White Remote Head 6W 6V
207R2	Double White Remote Head 6W 6V
207R3	Single Grey Remote Waterproof Head 5.4W 6V
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V
20739	Lead Acid Battery 6V 10 Ah

Call for availability on Special (SPC)



**Wet Location Exit/Emergency**

**Diecast Exits**



Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
23500	Wet Location Single Face LED Exit Red Letters Battery Backup	3	12	12	5.25	25	red	BBUP	single	white	0° to 40°C	2	20732	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23501	Wet Location Single Face LED Exit GRN Letters Battery Backup	3	12	12	5.25	25	green	BBUP	single	white	0° to 40°C	2	20732	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23503	Wet Location Emergency Unit Battery Back-up 2 - 7.2W 6V heads	14	12.5	9.75	6	N/A	n/a	BBUP	n/a	white	0° to 40°C	2	6V 7.2W/20739	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23504	Wet Location Red LED Exit Emergency Combo Battery Backup	3	18	12	5.25	25	red	BBUP	single	white	0° to 40°C	2	6V 5.4W 939/	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC
23505	Wet Location GRN LED Exit Emergency Combo Battery Backup	3	18	12	5.25	25	green	BBUP	single	white	0° to 40°C	2	6v 5.4W 939/	N/A	90	NFPA Life Safety 101, NEC, OSHA, NEMA 4	SPC

**Accessories**

20732	Ni-Cd Battery 4.8V 1000 Mah
20739	Lead Acid Battery 6V 10 Ah

**DIECAST EXIT SIGNS, 120 OR 277 VOLTAGE, DAMP LOCATION (CONTINUED ON NEXT PAGE)**



Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
26D90	Diecast Exit Sign Red Single Face AC Only	3.6	9	13.25	1.9	25	red	AC Only	single	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D90W	Diecast Exit Sign Red Single Face AC Only White	3.6	9	13.25	1.9	25	red	AC Only	single	white	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D91	Diecast Exit Sign Green Single Face AC Only	4.4	9	13.25	1.9	25	green	AC Only	single	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D91W	Diecast Exit Sign Green Single Face AC Only White	4.4	9	13.25	1.9	25	green	AC Only	single	white	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D93	Diecast Exit Sign Red Double Face AC Only	3.6	9	13.25	1.9	25	red	AC Only	double	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D93W	Diecast Exit Sign Red Double Face AC Only White	3.6	9	13.25	1.9	25	red	AC Only	double	white	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D94	Diecast Exit Sign Green Double Face AC Only	4.4	9	13.25	1.9	25	green	AC Only	double	black	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26D94W	Diecast Exit Sign Green Double Face AC Only White	4.4	9	13.25	1.9	25	green	AC Only	double	white	-0° to 50°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
26L90	Diecast Exit Sign Red Single Face Battery Backup	3.6	9	13.25	1.9	25	red	BBUP	single	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L90W	Diecast Exit Sign Red Single Face Battery Backup White	3.6	9	13.25	1.9	25	red	BBUP	single	white	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L91	Diecast Exit Sign Green Single Face Battery Backup	4.4	9	13.25	1.9	25	green	BBUP	single	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L91W	Diecast Exit Sign GRN Single Face Battery Backup White	4.4	9	13.25	1.9	25	green	BBUP	single	white	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L93	Diecast Exit Sign Red Double Face Battery Backup	3.6	9	13.25	1.9	25	red	BBUP	double	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L93W	Diecast Exit Sign Red Double Face Battery Backup White	3.6	9	13.25	1.9	25	red	BBUP	double	white	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L94	Diecast Exit Sign Green Double Face Battery Backup	4.4	9	13.25	1.9	25	green	BBUP	double	black	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC
26L94W	Diecast Exit Sign Green Double Face Battery Backup White	4.4	9	13.25	1.9	25	green	BBUP	double	white	-0° to 50°F	N/A	20730	N/A	90	UL/ETL Listed	SPC

**Accessories**

207WG	Wire Guard for Exit Sign
207PS	Polycarbonate Shield for Exit Sign
20730	Ni-Cd Battery 4.8V 650 mAh
207WGWH	White Wire Guard for Exit Sign

**LED NYC Exits**

**NYC APPROVED STEEL LED EXIT**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Exit Color	AC/Battery Backup	Housing Color	Replacement Lamp / Battery	Stocking or Special
LEDNYC1	STEEL NYC WHITE EXIT	3.7	10.5	14.5	2.5	RED	BBUP	WH	207B3	SP
LEDNYC1B	STEEL NYC BLACK EXIT	3.7	10.5	14.5	2.5	RED	BBUP	WH	207B3	SP

**NYC APPROVED STEEL LED EXIT COMBO**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Exit Color	AC/Battery Backup	Housing Color	Replacement Lamp / Battery	Stocking or Special
LEDNYC2	6V 2 LAMP NYC STEEL COMBO	12	10.6	16.5	4	RED	BBUP	WH	207B3	SP
LEDNYC3	6V 3 LAMP NYC STEEL COMBO	12	10.6	16.5	4	RED	BBUP	WH	207B3	SP
LEDNYC4	12V 2 LAMP NYC STEEL COMBO	12	10.6	16.5	4	RED	BBUP	WH	207B3	SP
LEDNYC5	12V 3 LAMP NYC STEEL COMBO	12	10.6	16.5	4	RED	BBUP	WH	207B3	SP

**NYC LED STEEL EMERGENCY LIGHTING**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Exit Color	AC/Battery Backup	Housing Color	Replacement Lamp / Battery	Stocking or Special
LEDNYC6	6V 2 LAMP NYC STEEL EMERGENCY LIGHT	12	10.5	16.5	2.3		BBUP	WH	20734	SP
LEDNYC7	6V 3 LAMP NYC STEEL EMERGENCY LIGHT	12	10.5	16.5	2.3		BBUP	WH	20734	SP
LEDNYC8	12V 2 LAMP NYC STEEL EMERGENCY LIGHT	12	10.5	16.5	2.3		BBUP	WH	20734	SP
LEDNYC9	12V 3 LAMP NYC STEEL EMERGENCY LIGHT	12	10.5	16.5	2.3		BBUP	WH	20734	SP

**NYC APPROVED EXIT SIGN**

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Exit Color	AC/Battery Backup	Housing Color	Replacement Lamp / Battery	Stocking or Special
LEDNYC10	AC ONLY NYC LED EXIT WHITE	3.7	9.3	14.5	1.2		AC	WH	207B3	SP
LEDNYC10B	AC ONLY NYC LED EXIT BLACK	3.7	9.3	14.5	1.2		AC	BL	207B3	SP

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NYC Exits

Recessed Edgelit Exits

NYC EXIT SIGNS – RED, 120 OR 277 VOLTAGE, INDOOR

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
<b>Steel</b>																	
27D98NY	Red AC Exit Steel 8 Inch Letters	3	10.5	14.5	2.25	N/A	red	AC	S	white	-68°F to 122°F	N/A	N/A	H	N/A	UL, NFPA LIFE Safety Code 101, NEC	SPC
27L98NY	Red BBU Exit Steel 8 Inch Letters	5	10.5	14.5	2.25	N/A	red	BBUP	S	white	-68°F to 122°F	N/A	20736	H	90	UL, NFPA LIFE Safety Code 101, NEC	SPC
<b>Diecast</b>																	
26D93NY	Diecast Red Double Face AC 8 Inch Letters	3	10.5	14.5	2.25	N/A	red	AC	D	brushed aluminum	-68°F to 122°F	N/A	N/A	A	N/A	UL, NFPA LIFE Safety Code 101, NEC	SPC
26L93NY	Diecast Red Double Face BBU 8 Inch Letters	5	10.5	14.5	2.25	N/A	red	BBUP	D	brushed aluminum	-68°F to 122°F	N/A	20730	BA	90	UL, NFPA LIFE Safety Code 101, NEC	SPC
<b>Accessories</b>																	
207WG	Wire Guard for Exit Sign																
207PS	Polycarbonate Shield for Exit Sign																
20730	Ni-Cd Battery 4.8V 650 mAh																
20736	Ni-Cd Battery 3.6V 1200 mAh																
207WGWH	White Wire Guard for Exit Sign																

RECESSED EDGELIT EXIT SIGNS - GREEN, 120 OR 277 VOLTAGE, INDOOR (CONTINUED ON NEXT PAGE)

2EH01	Recessed Exit Green AC Only BA Trim Single Face Clear	3	12	15.8	5.25	25	green	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EH02	Recessed Exit Green AC Only BA Trim Single Face White	3	12	15.8	5.25	25	green	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EH03	Recessed Exit Green AC Only BA Trim Single Face Mirrored	3	12	15.8	5.25	25	green	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EH04	Recessed Exit Green AC Only White Trim Single Face Clear	3	12	15.8	5.25	25	green	AC Only	S	white	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EH05	Recessed Exit Green AC Only White Trim Single Face White	3	12	15.8	5.25	25	green	AC Only	S	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EH06	Recessed Exit Green AC Only White Trim Single Face Mirrored	3	12	15.8	5.25	25	green	AC Only	S	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EH07	Recessed Exit Green AC Only BA Trim Double Face White	3	12	15.8	5.25	25	green	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EH08	Recessed Exit Green AC Only BA Trim Double Face Mirrored	3	12	15.8	5.25	25	green	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EH09	Recessed Exit Green AC Only White Trim Double Face White	3	12	15.8	5.25	25	green	AC Only	D	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EH10	Recessed Exit Green AC Only White Trim Double Face Mirrored	3	12	15.8	5.25	25	green	AC Only	D	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EK01	Recessed Exit Green Battery Backup Brushed Alum Trim Single Face Clear	5	12	15.8	5.25	25	green	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	clear	N/A	UL/ETL Listed	SPC

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RECESSED EDGELIT EXIT SIGNS - GREEN, 120 OR 277 VOLTAGE, INDOOR (CONTINUED)

2EK02	Recessed Green Exit Battery Backup Brushed Alum Trim Single Face White	5	12	15.8	5.25	25	green	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	white	N/A	UL/ETL Listed	SPC
2EK03	Recessed Exit Green Battery Backup Brushed Alum Trim Single Face Mirrored	5	12	15.8	5.25	25	green	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	mirror	N/A	UL/ETL Listed	SPC
2EK04	Recessed Green Exit Battery Backup White Single Face Clear	5	12	15.8	5.25	25	green	BBUP	S	white	-4° to 113°F	N/A	20730	clear	N/A	UL/ETL Listed	SPC
2EK05	Recessed Green Exit Battery Backup White single Face White	5	12	15.8	5.25	25	green	BBUP	S	white	-4° to 113°F	N/A	20730	white	N/A	UL/ETL Listed	SPC
2EK06	Recessed Green Exit Battery Backup White Trim Single Face Mirrored	5	12	15.8	5.25	25	green	BBUP	S	white	-4° to 113°F	N/A	20730	mirror	N/A	UL/ETL Listed	SPC
2EK07	Recessed Exit Green Battery Backup Brushed Alum Trim Double Face White	5	12	15.8	5.25	25	green	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	white	N/A	UL/ETL Listed	SPC
2EK08	Recessed Exit Green Battery Backup Brushed Alum Trim Double Face Mirrored	5	12	15.8	5.25	25	green	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	mirror	N/A	UL/ETL Listed	SPC
2EK09	Recessed Green Exit Battery Backup White Trim Double Face White	5	12	15.8	5.25	25	green	BBUP	D	white	-4° to 113°F	N/A	20730	white	N/A	UL/ETL Listed	SPC
2EK10	Recessed Green Exit Battery Backup White Trim Double Face Mirrored	5	12	15.8	5.25	25	green	BBUP	D	white	-4° to 113°F	N/A	20730	mirror	N/A	UL/ETL Listed	SPC
<b>Accessories</b>																	
20730	Ni-Cd Battery 4.8V 650mAh																

RECESSED EDGELIT EXIT SIGNS - RED, 120 OR 277 VOLTAGE, INDOOR (CONTINUED ON NEXT PAGE)

2EG01	Recessed Red Exit AC Only BA Trim Single Face Clear	5	12	15.8	5.25	25	red	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EG02	Recessed Red Exit AC Only BA Trim Single Face White	5	12	15.8	5.25	25	red	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EG03	Recessed Red Exit AC Only BA Trim Single Face Mirrored	5	12	15.8	5.25	25	red	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EG04	Recessed Red Exit AC Only white Trim Single Face Clear	5	12	15.8	5.25	25	red	AC Only	S	white	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EG05	Recessed Red Exit AC Only white Trim Single Face White	5	12	15.8	5.25	25	red	AC Only	S	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EG06	Recessed Red Exit AC Only white Trim Single Face Mirrored	5	12	15.8	5.25	25	red	AC Only	S	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EG07	Recessed Red Exit AC Only BA Trim Double Face White	5	12	15.8	5.25	25	red	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EG08	Recessed Red Exit AC Only BA Trim Double Face Mirrored	5	12	15.8	5.25	25	red	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EG09	Recessed Red Exit AC Only white Trim Double Face White	5	12	15.8	5.25	25	red	AC Only	D	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EG10	Recessed Red Exit AC Only white Trim Double Face Mirrored	5	12	15.8	5.25	25	red	AC Only	D	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC

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### Recessed Edgelit Exits

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
2EJ01	Recessed Red Exit Battery Backup Brushed Alum Trim Single Face Clear	5	12	15.8	5.25	25	red	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	clear	90	UL/ETL Listed	SPC
2EJ02	Recessed Red Exit Battery Backup BA Trim Single Face White	5	12	15.8	5.25	25	red	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EJ03	Recessed Red Exit Battery Backup Brushed Alum Trim Single Face Mirrored	5	12	15.8	5.25	25	red	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EJ04	Recessed Red Exit Battery Backup white Single Face Clear	5	12	15.8	5.25	25	red	BBUP	S	white	-4° to 113°F	N/A	20730	clear	90	UL/ETL Listed	SPC
2EJ05	Recessed Red Exit Battery Backup white Single Face White	5	12	15.8	5.25	25	red	BBUP	S	white	-4° to 113°F	N/A	20730	white	N/A	UL/ETL Listed	SPC
2EJ06	Recessed Red Exit Battery Backup white Trim Single Face Mirrored	5	12	15.8	5.25	25	red	BBUP	S	white	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EJ07	Recessed Red Exit Battery Backup Brushed Alum Trim Double Face White	5	12	15.8	5.25	25	red	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EJ08	Recessed Red Exit Battery Backup Brushed Alum Trim Double Face Mirrored	5	12	15.8	5.25	25	red	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EJ09	Recessed Red Exit Battery Backup white Trim Double Face White	5	12	15.8	5.25	25	red	BBUP	D	white	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EJ10	Recessed Red Exit Battery Backup white Trim Double Face Mirrored	5	12	15.8	5.25	25	red	BBUP	D	white	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC

#### Accessories

20730 Ni-Cd Battery 4.8V 650mAh

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### Surface Mount Edgelit Exits

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
2EM01	Surface Mount Exit GRN AC Only BA Single Face Clear	3	10.75	13	15.8	25	green	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EM02	Surface Mount Exit GRN AC Only BA Single Face White	3	10.75	13	15.8	25	green	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EM03	Surface Mount Exit GRN AC Only BA Single Face Mirrored	3	10.75	13	15.8	25	green	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EM04	Surface Mount Exit GRN AC Only White Single Face Clear	3	10.75	13	15.8	25	green	AC Only	S	white	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EM05	Surface Mount Exit GRN AC Only White Single Face White	3	10.75	13	15.8	25	green	AC Only	S	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EM06	Surface Mount Exit GRN AC Only White Trim Single Face Mirrored	3	10.75	13	15.8	25	green	AC Only	S	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EM07	Surface Mount Exit GRN AC Only BA Trim Double Face White	3	10.75	13	15.8	25	green	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EM08	Surface Mount Exit GRN AC Only BA Trim Double Face Mirrored	3	10.75	13	15.8	25	green	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EM09	Surface Mount Exit GRN AC Only White Double Face White	3	10.75	13	15.8	25	green	AC Only	D	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EM10	Surface Mount Exit GRN AC Only White Double Face Mirrored	3	10.75	13	15.8	25	green	AC Only	D	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EP01	Surface Mount Exit GRN Battery Backup BA Single Face CL	5	10.75	13	15.8	25	green	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	clear	90	UL/ETL Listed	SPC
2EP02	Surface Mount Exit GRN Battery Backup BA Trim Single Face White	5	10.75	13	15.8	25	green	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EP03	Surface Mount Exit GRN Battery Backup BA Trim Single Face Mirrored	5	10.75	13	15.8	25	green	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EP04	Surface Mount Exit GRN Battery Backup White Trim Single Face CL	5	10.75	13	1.75	25	green	BBUP	S	white	-4° to 113°F	N/A	20730	clear	90	UL/ETL Listed	SPC
2EP05	Surface Mount Exit GRN Battery Backup white Trim Single Face White	5	10.75	13	1.75	25	green	BBUP	S	white	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EP06	Surface Mount Exit GRN Battery Backup White Trim Single Face Mirrored	5	10.75	13	1.75	25	green	BBUP	S	white	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EP07	Surface Mount Exit GRN Battery Backup BA Double Face White	5	10.75	13	15.8	25	green	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EP08	Surface Mount Exit GRN Battery Backup BA Double Face Mirrored	5	10.75	13	15.8	25	green	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EP09	Surface Mount Exit GRN Battery Backup White Trim Double Face White	5	10.75	13	1.75	25	green	BBUP	D	white	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EP10	Surface Mount Exit GRN Battery Backup White Trim Double Face Mirrored	5	10.75	13	1.75	25	green	BBUP	D	white	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC

#### Accessories

20730 Ni-Cd Battery 4.8V 650mAh

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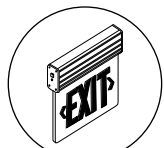
### Surface Mount Edgelit Exits

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
<b>SURFACE MOUNT EDELGIT EXIT SIGNS - RED, 120 OR 277 VOLTAGE, INDOOR</b>																	
2EL01	Surface Mount LED Exit Red AC Only BA Single Face Clear	3	10.75	13	1.75	25	red	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EL02	Surface Mount LED Exit Red AC Only BA Trim Single Face White	3	10.75	13	1.75	25	red	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EL03	Surface Mount LED Exit Red AC Only BA Trim Single Face Mirrored	3	10.75	13	1.75	25	red	AC Only	S	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EL04	Surface Mount LED Exit Red AC Only White Trim Single Face Clear	3	10.75	13	1.75	25	red	AC Only	S	white	-4° to 113°F	N/A	N/A	clear	N/A	UL/ETL Listed	SPC
2EL05	Surface Mount LED Exit Red AC Only White Trim Single Face White	3	10.75	13	1.75	25	red	AC Only	S	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EL06	Surface Mount LED Exit Red AC Only White Trim Single Face Mirrored	3	10.75	13	1.75	25	red	AC Only	S	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EL07	Surface Mount LED Exit Red AC Only BA Trim Double Face White	3	10.75	13	1.75	25	red	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EL08	Surface Mount LED Exit Red AC Only BA Trim Double Face Mirrored	3	10.75	13	1.75	25	red	AC Only	D	brushed aluminum	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EL09	Surface Mount LED Exit Red AC Only White Trim Double Face White	3	10.75	13	1.75	25	red	AC Only	D	white	-4° to 113°F	N/A	N/A	white	N/A	UL/ETL Listed	SPC
2EL10	Surface Mount LED Exit Red AC Only White Trim Double Face Mirrored	3	10.75	13	1.75	25	red	AC Only	D	white	-4° to 113°F	N/A	N/A	mirror	N/A	UL/ETL Listed	SPC
2EN01	Surface Mount LED Exit Red Battery Backup BA Single Face Clear	5	10.75	13	1.75	25	red	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	clear	90	UL/ETL Listed	SPC
2EN02	Surface Mount LED Exit Red Battery Backup BA Trim Single Face White	5	10.75	13	1.75	25	red	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EN03	Surface Mount LED Exit Red Battery Backup BA Single Face Mirrored	5	10.75	13	1.75	25	red	BBUP	S	brushed aluminum	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EN04	Surface Mount LED Exit Red Battery Backup White Trim Single Face Clear	5	10.75	13	1.75	25	red	BBUP	S	white	-4° to 113°F	N/A	20730	clear	90	UL/ETL Listed	SPC
2EN05	Surface Mount LED Exit Red Battery Backup White Trim Single Face White	5	10.75	13	1.75	25	red	BBUP	S	white	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EN06	Surface Mount LED Exit Red Battery Backup White Trim Single Face Mirrored	5	10.75	13	1.75	25	red	BBUP	S	white	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EN07	Surface Mount LED Exit Red Battery Backup BA Trim Double Face White	5	10.75	13	1.75	25	red	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EN08	Surface Mount LED Exit Red Battery Backup BA Double Face Mirrored	5	10.75	13	1.75	25	red	BBUP	D	brushed aluminum	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC
2EN09	Surface Mount LED Exit Red Battery Backup White Trim Double Face White	5	10.75	13	1.75	25	red	BBUP	D	white	-4° to 113°F	N/A	20730	white	90	UL/ETL Listed	SPC
2EN10	Surface Mount LED Exit Red Battery Backup White Trim Double Face Mirrored	5	10.75	13	1.75	25	red	BBUP	D	white	-4° to 113°F	N/A	20730	mirror	90	UL/ETL Listed	SPC

#### Accessories

20730 Ni-Cd Battery 4.8V 650mAh

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### Steel LED Exits Emergency Lights & Combos

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Exit Color	AC/Battery Backup	Single/Double Face	Housing Color	Temperature Range	Number Of Lamps	Replacement Lamp / Battery	Exit Plate Color	Battery Runtime (Min)	Certifications	Stocking or Special
<b>STEEL LED EXIT SIGNS, 120 OR 277 VOLTAGE, DAMP LOCATION</b>																	
27D98	Steel LED Red Universal AC Only Exit Sign	3	7.63	12.1	2.3	25	red	AC Only	D	white	-4° to 113°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
27D99	Steel LED Green Universal AC Only Exit Sign	3	7.63	12.1	2.3	25	green	AC Only	D	white	-4° to 113°F	N/A	N/A	N/A	N/A	UL/ETL Listed	SPC
27L98	Steel LED Red Universal Battery Backup Exit Sign	5	7.63	12.1	2.3	25	red	BBUP	D	white	-4° to 113°F	N/A	27LBATTERY	N/A	90	UL/ETL Listed	SPC
27L99	Steel LED Green Universal Battery Backup Exit Sign	5	7.63	12.1	2.3	25	green	BBUP	D	white	-4° to 113°F	N/A	27LBATTERY	N/A	90	UL/ETL Listed	SPC

#### Accessories

207WG Wire Guard for Exit Sign  
 27LBATTERY NiCd Battery 7.2V .64H  
 207WGW White Wire Guard for Exit Sign

#### STEEL EMERGENCY LIGHTS, 120 OR 277 VOLTAGE, DAMP LOCATION

2S760	Steel Emergency Light no Heads, 18W Capacity	18	12	13.1	2.9	N/A	N/A	BBUP		beige	20° to 95°F	0	Par36/20739	N/A	90	UL/ETL Listed	SPC
2S761	Steel Emergency Light 1 Head, 24W Capacity	24	12	13.1	2.9	N/A	N/A	BBUP		beige	20° to 95°F	1	Par36/20739	N/A	90	UL/ETL Listed	SPC
2S762	Steel Emergency Light 2 Heads, 24W Capacity	24	12	13.1	2.9	N/A	N/A	BBUP		beige	20° to 95°F	2	Par36/20739	N/A	90	UL/ETL Listed	SPC
2S763	Steel Emergency Light 3 Heads, 36W Capacity	36	12	13.1	2.9	N/A	N/A	BBUP		beige	20° to 95°F	3	Par36/20739	N/A	90	UL/ETL Listed	SPC

#### Accessories

20735 Lead Acid Battery 6V 7 Ah  
 20739 Lead Acid Battery 6V 10 Ah

#### STEEL LED EXIT / EMERGENCY COMBO SIGNS, 120 OR 277 VOLTAGE, DAMP LOCATION

27090	Steel Red LED Universal Exit Emergency Combo	2.5	13	12.3	2.3	25	red	BBUP	S	white	5° to 104°F	2	4W Par36/20739	N/A	90	UL/ETL Listed	SPC
27091	Steel Green LED Universal Exit Emergency Combo	2.5	13	12.3	2.3	25	green	BBUP	S	white	5° to 104°F	2	4W Par36/20739	N/A	90	UL/ETL Listed	SPC

#### Accessories

20739 Lead Acid Battery 6V 10 Ah

Call for availability on Special (SPC)



Make TCP your only source for all your energy-efficient lighting needs.

Call 800.324.1496

for more information or to find a TCP distributor.

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### Self-Luminous (Tritium)

#### SELF LUMINOUS EXIT SIGNS - 10 YEARS, DAMP LOCATION

Item Number	Item Description	Height (inches)	Width (inches)	Depth (Inches)	Single/Double Face	Housing Color	Temperature Range	Exit Life (Years)	Tritium Exit Color	Energy Source	Certifications	Stocking or Special
29R90	Self Luminous 10 Yr. Single Face Red w/White Housing	8.25	12.75	1	S	white	-76° to 212°F	10	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R91	Self Luminous 10 Yr. Single Face Green w/White Housing	8.25	12.75	1	S	white	-76° to 212°F	10	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R93	Self Luminous 10 Yr. Double Face Red w/White Housing	8.25	12.75	1	D	white	-76° to 212°F	10	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R94	Self Luminous 10 Yr. Double Face Green w/White Housing	8.25	12.75	1	D	white	-76° to 212°F	10	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R80	Self Luminous 10 Yr. Single Face Red w/Black Housing	8.25	12.75	1	S	black	-76° to 212°F	10	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R81	Self Luminous 10 Yr. Single Face Green w/Black Housing	8.25	12.75	1	S	black	-76° to 212°F	10	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R83	Self Luminous 10 Yr. Double Face Red w/Black Housing	8.25	12.75	1	D	black	-76° to 212°F	10	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29R84	Self Luminous 10 Yr. Double Face Green w/Black Housing	8.25	12.75	1	D	black	-76° to 212°F	10	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC

#### Accessories

207WG	Wire Guard for Exit Sign
207GWGH	White Wire Guard for Exit Sign
207PS	Polycarbonate Shield for Exit Sign
29RC	Security Cover for Self-Luminous Exit Sign

#### SELF LUMINOUS EXIT SIGNS - 20 YEARS, DAMP LOCATION

29T90	Self Luminous 20 Yr. Single Face Red w/White Housing	8.25	12.75	1	S	white	-76° to 212°F	20	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T91	Self Luminous 20 Yr. Single Face Green w/White Housing	8.25	12.75	1	S	white	-76° to 212°F	20	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T93	Self Luminous 20 Yr. Double Face Red w/White Housing	8.25	12.75	1	D	white	-76° to 212°F	20	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T94	Self Luminous 20 Yr. Double Face Green w/White Housing	8.25	12.75	1	D	white	-76° to 212°F	20	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T80	Self Luminous 20 Yr. Single Face Red w/Black Housing	8.25	12.75	1	S	black	-76° to 212°F	20	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T81	Self Luminous 20 Yr. Single Face Green w/Black Housing	8.25	12.75	1	S	black	-76° to 212°F	20	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T83	Self Luminous 20 Yr. Double Face Red w/Black Housing	8.25	12.75	1	D	black	-76° to 212°F	20	red	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC
29T84	Self Luminous 20 Yr. Double Face Green w/Black Housing	8.25	12.75	1	D	black	-76° to 212°F	20	green	Self-Luminous	UL924, NFPA Life Safety Code 101	SPC

#### Accessories

207WG	Wire Guard for Exit Sign
207GWGH	White Wire Guard for Exit Sign
207PS	Polycarbonate Shield for Exit Sign
29RC	Security Cover for Self-Luminous Exit Sign

Call for availability on Special (SPC). NOTE: Self Luminous Exit Signs require special order form. Please call 800.324.1496.

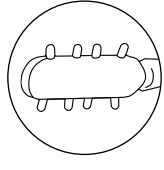
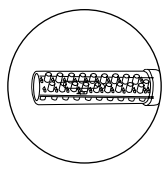
#### LED RETROFIT KITS & ACCESSORIES

Item Number	Item Description	Watts	Height (inches)	Width (inches)	Depth (inches)	Lamp Life (Yrs.)	Voltage	Exit Color	Number Of Lamps	LED Retrofit Kit Base Type	Certifications	Stocking or Special
20710	One Red LED Exit Retrofit Lamp	.7	4.75	1.25	1.25	10+	120	red	1	candelabra	UL, cUL, UL924	STK
20711	One Red LED Exit Retrofit Lamp Kit With 2 Base Adapters	.7	4.75	1.25	1.25	10+	120	red	1	candelabra	UL, cUL, UL924	STK
20714	Two Red LED Exit Retrofit Lamps With 4 Base Adapters	.7	4.75	1.25	1.25	10+	120	red	2	candelabra	UL, cUL, UL924	STK
20715	Two Red LED Exit Retrofit Lamps With 4 Base Adapters 120 Use Only	1.2	4.75	1.25	1.25	10+	120	red	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20716	Red LED Exit Retrofit Kit Hardwire 120/277	1.2	4.75	1.65	0.6	10+	120 or 277	red	2	hardwire	ETL, CETL Listed to UL 924 Standards	STK
20717	Two Green LED Exit Retrofit Lamps With 4 Base Adapters 120 Use Only	.7	5.6	6.9	1	10+	120	green	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20718	Green LED Exit Retrofit Kit Hardwire 120/277	.7	4.75	1.65	0.6	10+	120 or 277	green	2	hardwire	ETL, CETL Listed to UL 924 Standards	STK
20719	Two White LED Exit Retrofit Lamp, 4 Base Adapters, 120 Use Only	1.7	4.75	1.65	.6	10+	120	white	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20720	Two Red LED Exit Retrofit Lamps, 4 Base Adapters, 2 Red Diffuser Panels	.7	5.6	6.9	1	10+	120	red	2	candelabra	ETL, CETL Listed to UL 924 Standards	STK
20721	White LED Exit Retrofit Kit Hardware 120/277	1.8	4.75	6.9	1	10+	120 or 277	white	2	hardwire	ETL, CETL Listed to UL 924 Standards	STK
20797	Socket Adapter Candelabra to Medium Base		1	0.50 dia								SPC
20798	Socket Adapter Candelabra to Intermediate Base		1	0.50 dia								SPC
20799	Socket Adapter Candelabra to Bayonet Base		1	0.50 dia								SPC
29999	Red Diffuser Panel for LED Exit Signs Only		9.6	6.5	.04							SPC
29999G	GRN Diffuser Panel for LED Exit Signs Only		9.6	6.5	.04							SPC
29999LEDR	Red Diffuser Panel for LED Exit Signs Only		6.8	11.7	.04							SPC
29999LEDG	Green Diffuser Panel for LED Exit Signs Only		6.8	11.7	.04							SPC

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### LED Retrofit Kits

### Emergency Ballasts



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### Exit Accessories

#### EXIT ACCESSORIES



Item Number	Item Description	Height (Inches)	Width (Inches)	Depth (Inches)	Rating	Finish	Number of Lamps	Replacement Lamp / Battery	Stocking or Special
207R1	Single WH Remote Head 6W 6V	7	5	5	Damp Location	white	1	939	STK
207R2	Double WH Remote Head 6W 6V	7	13	5	Damp Location	white	2	939	STK
207R3	Single Grey Remote Waterproof Head 5.4W 6V	4.8	4.75	4.5	Waterproof	grey	1	939	STK
207R4	Double Grey Remote Waterproof Head 2 X 5.4W 6V	6.75	10.25	4.5	Waterproof	grey	2	939	STK
207R5	Single Square Remote Head 12W 12V	4.75	4.75	5	Damp Location	white	1	923	SPC
207R6	Double Square Remote Head 2 X 12W 12V	4.75	9	5	Damp Location	white	2	923	SPC
207RT	Hand Held Remote Test Unit	6	15	0.65	Damp Location	white			SPC
207WG	Wire Guard for Exit Sign	13.5	15	6	Damp Location	silver			STK
207WGWH	WH Wire Guard for Exit Sign	13.375	13.75	4.375	Damp Location	white			SPC
207LWG	Large Wire Guard for Exit Sign	13.5	30	6	Damp Location	silver			SPC
207PS	Polycarbonate Shield for Exit Sign	15	22	8	Damp Location	clear			SPC
207B2	Ni-Cd Battery 2.4V 300 mAh	1.96	1.10	0.55	Damp Location	yellow			SPC
207B3	Ni-Cd Battery 3.6V 300 mAh	1.96	1.10	0.98	Damp Location	yellow			SPC
207B4	Ni-Cd Battery 8.4V VDC	1.96	1.10	0.98	Damp Location	yellow			SPC
20736	Ni-Cd Battery 3.6V 1200m Ah	8	0.6		Damp Location	blue			SPC
20729	Ni-Cd Battery 4.8V 400Ah	1.125	1.125	1.125	Damp Location	yellow			SPC
20730	Ni-Cd Battery 4.8V 650m Ah	3.875	1.125	0.625	Damp Location	yellow			SPC
20732	Ni-Cd Battery 4.8V 1000m Ah	1.7	2.6	0.6	Damp Location	black			SPC
27LBATTERY	Ni-Cd Battery 7.2V 6Ah	2.3	6.5	1.3	Damp Location	black			SPC
20734	Lead Acid Battery 6V 4.5 Ah In-Terminals	4	2.75	1.813	Damp Location	black			SPC
20734J	Lead Acid Battery 6V 4.5 Ah Out-Terminals	4	2.75	1.813	Damp Location	black			SPC
20735	Lead Acid Battery 6V 7Ah	3.688	5.875	1.375	Damp Location	black			SPC
20738	Lead Acid Battery 6V 12Ah	3.688	5.875	1.938	Damp Location	black			SPC
20739	Lead Acid Battery 6V 10Ah	3.688	5.875	1.938	Damp Location	black			SPC

Call for availability on Special (SPC)

### POLYCARBONATE



#### Polycarbonate Exit Signs:

- FEATURES & BENEFITS**
- All units damp location listed, UL and ETL Listed
  - UL94 V-O Injection molded construction
  - Dual exit face plates are a standard feature
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation
  - LED Lamp life of 25 years
  - Comes with a mounting canopy for ceiling or wall mount applications

#### Polycarbonate Emergency Lighting:

- FEATURES & BENEFITS**
- All units damp location listed, UL and ETL Listed
  - UL94 V-O Injection molded construction
  - 6V maintenance free battery provides 90 minutes of run time
  - 120 or 277 VAC operation
  - 20765 unit has capability for remote heads
  - Features two 5.4W halogen lamps or MR16 lamps

#### Polycarbonate Combination Units:

- FEATURES & BENEFITS**
- All units damp location listed
  - UL and ETL Listed
  - UL94 V-O Injection molded construction
  - Dual exit face plates a standard feature
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation
  - All combos come with an extra battery as a standard feature and can run up to 12W of remote heads
  - LED lamp life of 25 years
  - Comes with a mounting canopy for ceiling or wall mount applications
- APPLICATIONS**
- Industrial and commercial facilities

### LED RETROFITS

- FEATURES & BENEFITS**
- Consumes 1.2 watts per lamp, very energy efficient!
  - Made to UL 924 specifications
  - Kits come with up to 4 adapters for universal use
  - High efficiency LED's available for crisp even illumination
  - Screw-in LED replacement lamps suitable for 120V use only
  - Hardwire kits available for 120V or 277 volt usage
- APPLICATIONS**
- Use in place of fluorescent and incandescent lamps inside exit signs

### HEAVY DUTY | WET LOCATION



#### Heavy Duty Emergency Lighting:

- FEATURES & BENEFITS**
- All units damp location listed
  - Environmentally coated solid state charger
  - Automatic low voltage disconnect
  - Compact low profile design in an attractive neutral finish
  - 6-Volt premium grade maintenance free battery with remote capability
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation

#### Wet Location Exit & Emergency Lighting:

- FEATURES & BENEFITS**
- Units are NEMA 4 rated
  - Temperature range 0°C to 40°C
  - ABS corrosion resistant UV stabilized enclosure
  - Meets NFPA Life Safety 101, NEC, OSHA, Local and State Codes
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation
- APPLICATIONS**
- Rugged environments, factories, schools

### DIECAST | EDGE LIT EXIT SIGNS



#### Diecast Exit Signs:

- FEATURES & BENEFITS**
- Specification grade design
  - Available in white and brushed aluminum finishes, single or double face
  - Universal knock out chevrons included
  - Quick clip snap closure for front faceplate
  - Universal mounting canopy included for easy installation
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation
- APPLICATIONS**
- Indoor locations
  - Architectural grade buildings, churches

#### Edge-Lit Exit Signs:

- FEATURES & BENEFITS**
- UL and ETL listed
  - Specification grade design
  - 70 SKU's available for all your lighting needs
  - Chevrons are included for easy installation in the field
  - Surface mounted units can be installed top, back, or end mounted
  - High efficiency panels with energy consumption of less than 3W for AC only and less than 5W for battery back-up units
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation
- APPLICATIONS**
- Indoor locations
  - Architectural grade buildings, churches

### STEEL



#### Steel Exit Signs:

- FEATURES & BENEFITS**
- UL and ETL Listed
  - Housing constructed of die formed, heavy gauge steel
  - Dual exit face plates a standard feature
  - 90 minutes of run time on all battery back-up units
  - 120 or 277 VAC operation
  - High output LED's provide even illumination
  - LED Lamp life of 25 years
  - Comes with a mounting canopy for ceiling or wall mount applications

#### Steel Emergency Lighting:

- FEATURES & BENEFITS**
- UL and ETL Listed
  - Housing constructed of die formed, heavy gauge steel
  - 6V maintenance free battery provides 90 min. run time
  - 120 or 277 VAC operation
  - Allows for 18 – 36 watts of extra capacity
  - Emergency units furnished with adjustable high intensity 9W 12V PAR 36 heads
  - Solid state charger with automatic brown out protection, low voltage disconnect, momentary test switch, and standard charge indicator lights all standard features
- APPLICATIONS**
- Industrial facilities, factories, rugged environments

### SELF LUMINOUS



#### Self Luminous Tritium Exit Signs:

- FEATURES & BENEFITS**
- 10, 15 or 20 year life
  - No wiring necessary
  - UL and ETL Listed
  - Universal mounting for ceiling or wall canopy supplied
  - Housing is high-impact weatherproof ABS thermoplastic with UV stabilized clear polycarbonate diffuser panel
- APPLICATIONS**
- Movie theatres, military applications
  - Buildings with concrete walls including hotels and gymnasiums
  - Locations with limited wiring capacity

### ACCESSORIES

- Wire guards and polycarbonate shields are made of durable materials and are a vandalism deterrent for the emergency and exit line. Compatible with all TCP units.
- Wire guards available in white and silver finishes.
- Replacement batteries, canopies and faceplates available for all exit and emergency line units

# Exit Warranties

This TCP product (exceptions – batteries and self luminous; see below) is warranted for a period of five years from date of original purchase against defects in materials and workmanship. If these products should fail to operate due to materials and workmanship, simply return this to the place of purchase or to the TCP, Inc. service center (address on back of catalog) with its RGA as stated in the terms & conditions, and the product will be repaired or replaced at TCP's sole discretion. The warranty is expressly limited to repair or replacement of the product. No labor charge will be honored without prior written factory authorization. Damage incurred from handling or in transit is not covered by this guarantee. Claims for shipping damages must be filed with the carrier. This warranty gives the customer specific legal rights, which vary from state to state. Light bulbs are not covered under this warranty.

WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE FOR WHICH THIS PRODUCT IS MANUFACTURED.

Battery Type	Life Expectancy	Full Warranty
Sealed Lead Acid	8 years	1 year
Nickel Cadmium	10 years	7 years

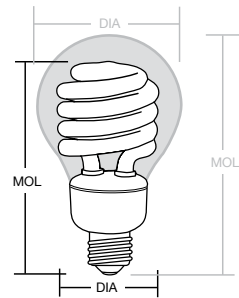
### NOTES:

- Special order (SPC) items may take up to 90 days to deliver. Please call for availability and lead times.
- Orders for special order items CANNOT BE CANCELLED.
- Orders for special order items CANNOT BE RETURNED.

\*All data in this catalog is subject to change without notice.

## Product Identification

### Bulb Size



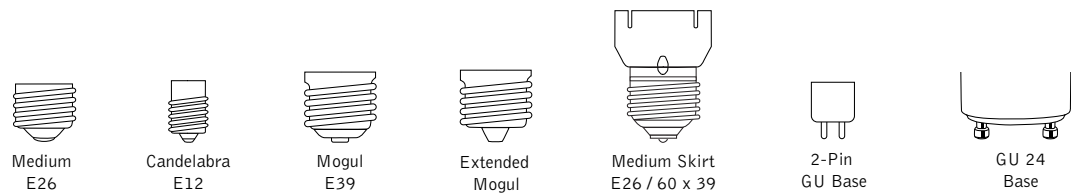
**DIA:** Diameter of bulb at widest point

**MOL:** Maximum overall length including base

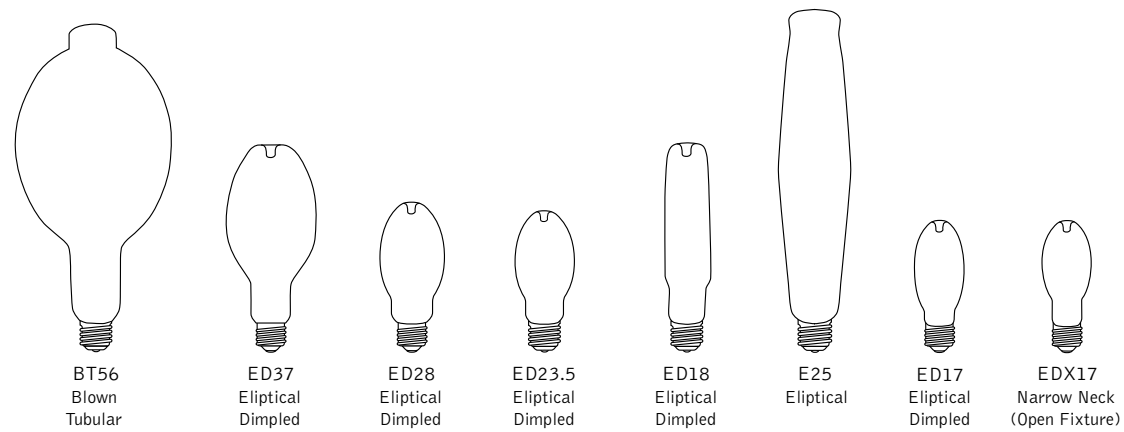
**Note:** Lamp drawings are not drawn to scale. Be sure to check size and dimension information when identifying each lamp.

To convert inches to millimeters, multiply the dimension (in inches) by 25.4 (i.e. 1.5" x 25.4 = 38.1mm).

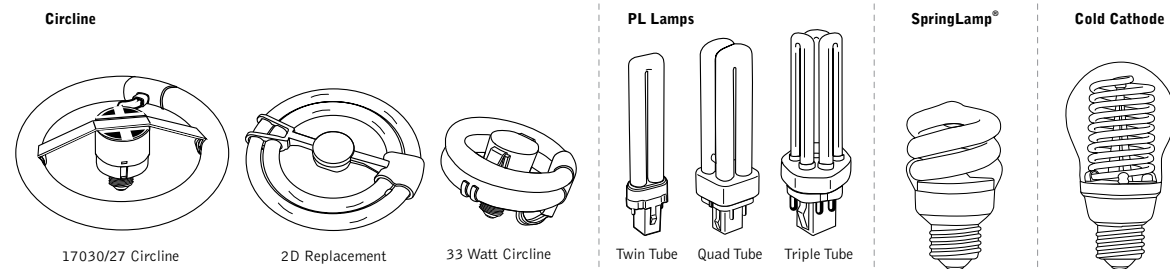
### Base Types



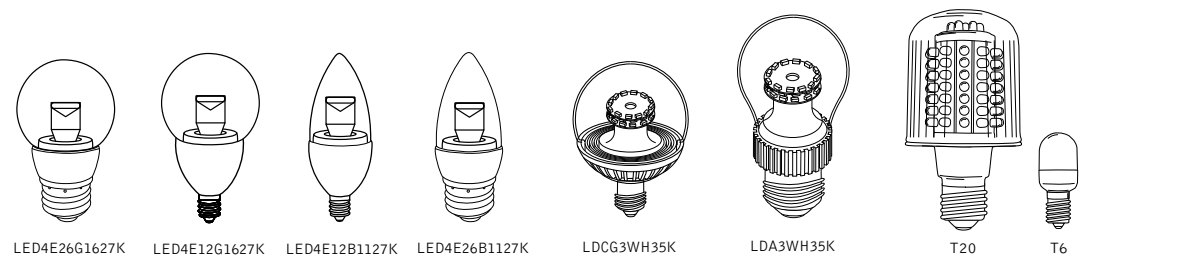
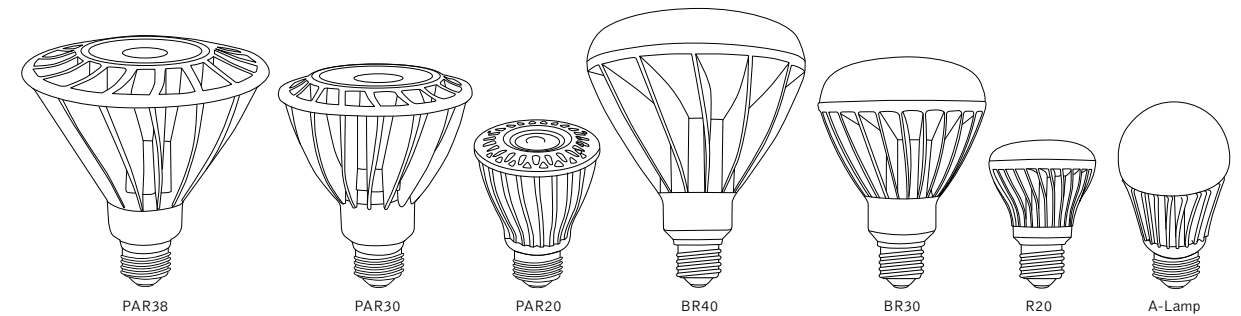
### HID Lamp Shapes



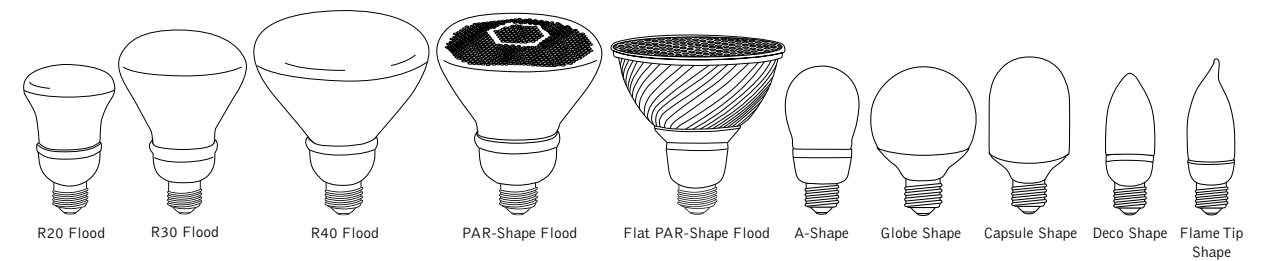
### Compact Fluorescent Shapes



### LED Shapes



### Other Shapes



### Light Level Recommendations

#### IES Recommended Light Levels

##### Type of Activity

- Public spaces with dark surroundings
- Spaces for short temporary visits (typical hallway)
- Working spaces where visual tasks are only occasionally performed
- Ambient lighting for computer use

##### Range of Illuminance (in footcandles)

- 2 – 5 fc
- 5 – 10 fc
- 10 – 20 fc
- 20 – 30 fc

##### Performance of visual tasks:

- High contrast or large size (typical office work) 20 – 50 fc
- Medium contrast or small size 100 – 200 fc
- Low contrast or very small size 100 – 200 fc
- Low contrast and very small size over a prolonged period 200 – 500 fc
- Very prolonged and exacting visual tasks 500 – 1000 fc
- Visual tasks of extremely low contrast and small size 1000 – 2000 fc

\*Obtained by combination of general and task lighting

**accent lighting**

Directional lighting to emphasize a particular object or to draw attention to a part of the field of view. See directional lighting.

**adaptation**

The process by which the retina of the eye becomes accustomed to more or less light than it was exposed to during an immediately preceding period. It results in a change in the sensitivity of the eye to light.

**ANSI American National Standards Institute**

The organization that develops voluntary guidelines and produces standards for the electrical and other industries.

**arc tube**

A completely sealed quartz or ceramic tube where the electrical discharge (arc) occurs and light is generated.

**average life**

Value for life expectancy of a lamp.

**baffle**

A single opaque or translucent element to shield a source from direct view at certain angles, or to absorb unwanted light.

**ballast**

A device used with an electric-discharge lamp to obtain the necessary circuit conditions (voltage, current and wave form) for starting and operating; all fluorescent and HID light sources require a ballast for proper operation. Dimming ballasts are special ballasts which when used together with a dimmer will vary the light output of a lamp.

**ballast factor, BF**

The measured ability of a particular ballast to produce light from the lamp(s) it powers; ballast factor is derived by dividing the lumen output of a particular lamp/ballast combination by the lumen output of the same lamp(s) on a reference ballast.

**base**

End of the lamp that inserts into the lamp socket.

**beam angle**

The angle between the two directions for which the intensity (candlepower) is 50% of the maximum intensity as measured in a plane through the nominal beam centerline (center beam candlepower).

**beam spread**

(In any plane) the angle between the two directions in the plane in which the candlepower is equal to a stated percent (usually ten percent) of the maximum candlepower in the beam.

**brightness**

See luminance.

**bulb**

Outer jacket or envelope of a lamp.

**burning position**

Position that lamps are designed to operate.

**candela, cd**

The unit of measure indicating the luminous intensity (candle-power) of a light source in a specific direction; any given light source will have many different intensities, depending upon the direction considered.

**candlepower distribution**

A curve that represents the variation in luminous intensity (expressed in candelas) in a plane through the light center of a lamp or luminaire; each lamp or lamp/luminaire combination has a unique set of candlepower distributions that indicate how light will be spread.

**candlepower distribution curve**

A curve, generally polar, representing the variation of luminous intensity of a lamp or luminaire in a plane through the light center.

**CCT rating**

CCT rating is based on operation at rated watts in the designated operating position. For universal lamps, CCT is rated in the vertical position. All other operating positions will lead to higher values of CCT.

**center beam candlepower, CBCP**

The intensity of light produced at the center of a reflector lamp, expressed in candelas.

**chromaticity**

The aspect of color that includes consideration of its dominant wavelength and purity.

**coefficient of utilization, CU**

The ratio of the luminous flux (lumens) from a luminaire received on the work-plane to the lumens emitted by the luminaire's lamps alone.

**color rendering index, CRI**

The measure of a light source's ability to render the color of objects "correctly," as compared with a reference source with comparable color temperature; the scale peaks at 100.

**color uniformity**

Consistency of color from lamp to lamp.

**correlated color temperature, CCT**

A specification of the color appearance of a lamp relating its color to that of a reference source heated to a particular temperature, measured in degrees Kelvin (K); CCT generally measures the "warmth" or "coolness" of light source appearance.

**current, I**

A measure of the flow of electricity, expressed in amperes (A).

**current crest factor**

Ratio of peak to rms value of lamp current: mh values range from 1.4 – 1.8. Cannot go above 1.8 Or it reduces lamp life.

**cut-off angle**

(Of a luminaire) the angle from the vertical at which a reflector, louver or other shielding device cuts off direct visibility of a light source. It is the complementary angle of the shielding angle.

**diffuse lighting**

Light that is not predominantly incident from any particular direction.

**diffuser**

A device to redirect or scatter the light from a source by the process of diffuse transmission.

**direct glare**

Glare resulting from high luminance or insufficiently shielded light sources in the field of view, or from reflecting areas of high luminance. It is usually associated with bright areas such as luminaires, ceilings and windows that are outside the visual task or region being viewed.

**direct lighting**

Lighting by luminaires distributing 90 to 100 percent of the emitted light in the general direction of the surface to be illuminated. The term usually refers to light emitted in a downward direction. (See accent lighting.)

**directional lighting**

Illumination on the work-plane or on an object predominantly from a single direction.

**disability glare**

Glare resulting in reduced visual performance and visibility. It is often accompanied by discomfort.

**discharge lamp**

Light-producing device that depends on electric arc, rather than filament, to create illumination.

**discomfort glare**

Glare producing discomfort. It does not necessarily interfere with visual performance or visibility.

**double-ended**

Lamps that have two bases opposite one another for series electrical connection, mounting connection and heat dissipation.

**economic life**

Number of hrs. A group of lamps will burn before it's ergonomically advisable to group re-lamp (typically 60% - 75% of rated life).

**efficacy**

Efficiency of a light source expressed in lumens per watt (LPW or lm/W).

**energy**

A measure of work done by an electrical system over a given period of time, often expressed in kilowatt-hours (kWh).

**ENERGY STAR®**

U.S. Department of Energy (DOE) and Environmental Protection Agency (EPA) designation for products meeting certain energy efficiency and performance standards.

**enhancing reflections**

Reflections which enhance appearance described in such terms as sparkling, glittering, etc.

**ESCO**

Energy Saving Service Company

**fenestration**

Any opening or arrangement of openings or windows (normally filled with media for light control) for the admission of daylight or for the transmission of electric lighting from one room to another room.

**filament**

A tungsten wire purposely positioned inside a lamp bulb that when heated, electrically generates radiation in the visible, infrared and ultraviolet ranges.

**fixture**

See luminaire.

**floodlight**

A reflector lamp with a relatively wide beam pattern.

**fluorescent lamp**

A low pressure mercury electric discharge lamp, tubular in shape in which a fluorescent coating (phosphor) transforms ultraviolet energy into visible light.

**footcandle, fc**

A unit of illumination equal to 1 lumen per square foot.

**formed body arc tube**

Arc tube formed by quartz sculpting process: has 1/3 less quartz mass than standard arc tubes: 3rd starter electrode eliminated. Ballast requires external ignitor with 3-4 KV to start lamp.

**frequency**

The number of times per second that an alternating current system reverses from positive to negative and back to positive, expressed in cycles per second or hertz, Hz.

**general lighting**

Lighting designed to provide a substantially uniform illumination throughout an area, exclusive of any provision for special local requirements.

**glare**

Excessive brightness that may be caused by either direct or indirect viewing of a light source; any brightness or brightness relationship that annoys, distracts or reduces visibility.

**harmonic**

An electrical frequency that is an integer multiple of the fundamental frequency; for example, if 60 Hz is the fundamental frequency, then 120 Hz is the second harmonic and 180 Hz is the third harmonic; some electronic devices, such as ballasts or power supplies, can cause harmonic distortion, directly affecting power quality.

**Hertz, Hz**

A unit of frequency equal to one cycle per second; see frequency.

**high intensity discharge (HID) lamps**

A general group of lamps consisting of mercury, metal halide and high pressure sodium lamps.

**illumination**

Light arriving at a surface, expressed in lumens per unit area; 1 lumen per square foot equals 1 footcandle, while 1 lumen per square meter equals 1 lux.

**incandescent filament lamp**

A lamp in which light is produced by a filament heated to incandescence by an electric current.

**indirect lighting**

Lighting by luminaires distributing 90 to 100 percent of the emitted light upward.

**initial lumens**

The light output of an HID lamp at rated power on a reference ballast after 100 hours of operation.

**lamp**

Manufactured light source; the 3 broad categories of electric lamps are incandescent, fluorescent, and high intensity discharge (HID). Also, A generic term for a man-made source of light.

**lamp life**

An average rating, in hours, indicating when 50% of a large group of lamps have failed, when operated at nominal lamp voltage and current; manufacturers use 3 hours per start for fluorescent lamps and 10 hours per start for HID lamps when performing lamp life testing procedures; every lamp type has a unique mortality curve that depicts its average rated life.

**lamp lumen depreciation factor, LLD**

The multiplier to be used in illumination calculations to relate the initial rated output of light sources to the anticipated minimum rated output based on the relamping program to be used.

**lamp voltage**

Voltage which lamps operate when they are fully warmed up.

**lens**

A glass or plastic element used in luminaires to change the direction and control the distribution of light rays.

**level of illumination**

See illumination.

**light**

Radiant energy that is capable of producing a visual sensation.

**light center length (LCL)**

The distance from the center of the visible arc discharge to the bottom of the contact of the base.

**light emitting diode (LED)**

Semiconductor diodes, electronic devices that permit current flow in only one direction. The diode is formed by bringing two slightly different materials together, forming a junction. When a forward voltage is applied, current flow begins and energy is radiated in the form of light.

**light loss factor, LLF**

A factor used in calculating illumination after a given period of time and under given conditions. It takes into account temperature and voltage variations, dirt accumulation on luminaire and room surfaces, lamp depreciation, maintenance procedures and atmosphere conditions. Formerly called maintenance factor.

**light on centers, LOC**

Distance between LED lights, TCP's Holiday lighting products.

**light source**

See lamp.

**lighting design lumens (LDL)**

Number of lumens at 2,000 hrs. Of operation.

**louver**

A series of baffles used to shield a source from view at certain angles or to absorb unwanted light. The baffles are usually arranged in a geometric pattern.

**lumen, lm**

A unit of luminous flux; the overall light output of a luminous source is measured in lumens. Amount of light lamp emits once it's started.

**lumen depreciation**

The decrease in lumen output of a light source over time; every lamp type has a unique lumen depreciation curve (sometimes called lumen maintenance curve) depicting the pattern of decreasing light output.

**lumen maintenance**

Lumen output provided by lamp at given point in or percentage of its life.

**lumens per watt, LPW**

Lumen (light) output divided by lamp watts consumed (i.e. Amount of electricity used); also known as efficacy.

**luminaire**

A light fixture; the complete lighting unit, including lamp, reflector, ballast, socket, wiring, diffuser, and housing.

**luminaire efficiency**

The ratio of luminous flux (lumens) emitted by a luminaire to that emitted by the lamp or lamps used therein.

**luminance, L**

Light reflected in a particular direction; the photometric quantity most closely associated with brightness perception, measured in units of luminous intensity (candelas) per unit area (square feet or square meters).

**luminance contrast**

The relationship between the luminances of an object and its immediate background.

**luminance ratio**

The ratio between the luminances of any two areas in the visual field.

**luminous flux**

The time rate of flow of light.

**lux, lx**

A unit of illumination equal to 1 lumen per square meter.

**maximum overall length, MOL**

The maximum allowable distance from the top of the glass bulb to the end of the contact of the base.

**matte surface**

A non-glossy dull surface as opposed to a shiny (specular) surface. Light reflected from a matte surface is diffuse.

**mean lumens**

Lumen output of a light source after the source has been used. Mean lumen values for fluorescent and HID lamps are typically measured at 40% of rated life.

**milli-candela, MCD**

The measurement of light output of an LED in thousandths of a candela.

**nanometer, nm**  
A unit of length equal to 10<sup>-9</sup> meters; commonly used as a unit of wavelength.

**open rated lamp, mogul base**  
Designed with an extended contact pin on the bottom of the base. Lamps should be used with an extended contact pin on the bottom of the base. Lamps should be used with an open fixture mogul socket (EX39) which prevents electrical contact if a non open rated lamp is used.

**open rated lamp, medium base**  
Designed for open fixtures; has narrower neck than standard medium base lamps to fit into an exclusionary medium socket for open fixture use.

**operating position**  
Metal halide lamps are specified and designed to be operated in certain positions such as a vertical or base-up.

**power**  
The rate at which energy is taken from an electrical system or dissipated by a load, expressed in watts (W); power that is generated by a utility is typically expressed in volt-amperes (V-A).

**power factor**  
A measure of the effectiveness with which an electrical device converts volt-amperes to watts; devices with power factors >0.90 are "high power factor" devices.

**pulse start lamp**  
Specially designed metal halide lamp that requires high voltage pulse for starting. Has improved lumen maintenance.

**quality of lighting**  
Pertains to the distribution of luminance in a visual environment. The term is used in a positive sense and implies that all luminances contribute favorably to visual performance, visual comfort, ease of seeing, safety and esthetics for the specific visual tasks involved.

**quantity of light**  
The product of the luminous flux by the time it is maintained. It is the time integral of luminous flux.

**rated life**  
The number of operating hours at which 50% of most metal halide lamps or 70% of some pulse start lamps initially started will still be operating.

**reference ballast**  
A ballast specially constructed to have certain prescribed characteristics for use in testing electric-discharge lamps and other ballasts.

**reflectance, rho**  
The percentage of light reflected back from a surface, the difference having been absorbed or transmitted by the surface.

**reflected glare**  
Glare resulting from specular reflections of high luminance in polished or glossy surfaces in the field of view.

**reflection**  
The process by which flux leaves a surface or medium from the incident side.

**reflector**  
A device used to redirect the light by the process of reflection.

**refraction**  
The process by which the direction of a ray of light changes as it passes obliquely from one medium to another.

**refractor**  
A device used to redirect the luminous flux from a source, primarily by the process of refraction.

**resistance, R**  
A measure of resistance to flow of current, expressed in ohms.

**restrike time**  
The time to re-ignite the arc of an HID lamp.

**shielding**  
A general term to include all devices used to block, diffuse or redirect light rays, including baffles, louvers, shades, diffusers and lenses.

**shielding angle**  
The complementary angle of the cut-off angle of a luminaire.

**shroud**  
Glass cylinder surrounding arc tube to protect against hot arc tube particles breaking the glass bulb if an arc tube rupture occurs; reduces risk of using mh lamps in open fixtures.

**Special (SPC)**  
Items not stocked in TCP's warehouse. These items have longer lead times than stocked (STK) items. Contact our Customer Service department at 800-324-1496 for additional details.

**spectral power distribution, SPD**  
A curve illustrating the distribution of power produced by the lamp, at each wavelength across the spectrum.

**specular surface**  
A shiny, highly polished surface which reflects light at an angle equal to that of the incident light.

**spotlight**  
A reflector lamp with a narrow beam pattern used to illuminate a specifically defined area.

**Stocked (STK)**  
Item is in stock and applicable to standard shipping.

**supplementary lighting**  
Lighting used to provide an additional quantity and quality of illumination that cannot be readily obtained by a general lighting system and that supplements the general lighting level usually for specific task requirements.

**Special Order (SPO)**  
Items marked SPO require a lead time of 4-6 weeks, and utilize a premium delivery option. Contact our Customer Service department at 800-324-1496 for additional details.

**transmission**  
The process by which incident flux leaves a surface or medium on a side other than the incident side, the characteristics of many materials such as glass, plastics and textiles.

**transmittance**  
The ratio of the flux transmitted by a medium to the incident flux.

**UV Guard™**  
Refers to TCP's metal halide lamps with a protective quartz sleeve around the arc tube. Suitable for use in open luminaires and reduces UV by up to 90%.

**veiling reflections**  
Reflections which partially or totally obscure the details to be seen by reducing the contrast.

**visual comfort probability, VCP**  
A discomfort glare calculation that predicts the percent of observers positioned in the least favorable part of the room who would be expected to judge a lighting condition to be comfortable. VCP rates the luminaire in its environment, taking into account such factors as illuminance level, room dimensions and reflectances, luminaire type, size and light distribution, number and location of luminaires, and observer location and line of sight. The higher the VCP the more comfortable the lighting environment.

**visual field**  
The location of objects or points in a space where the head and eyes are kept fixed.

**visual surround**  
all portions of the visual field except the visual task.

**visual task**  
Those details and objects which must be seen for the performance of a given activity, including the immediate background of the details or objects.

**voltage, V**  
A measure of electrical potential, expressed in volts (V).

**warm-up time**  
The amount of time from ignition of the lamp to 90% of full light output of an HID lamp.

**watt, W**  
A unit of electrical power equal to 1 joule per second.

**work plane**  
The plane at which work usually is done, and on which the illuminance is specified and measured. Unless otherwise indicated, this is assumed to be a horizontal plane 0.76 meters (30 inches) above the floor.

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