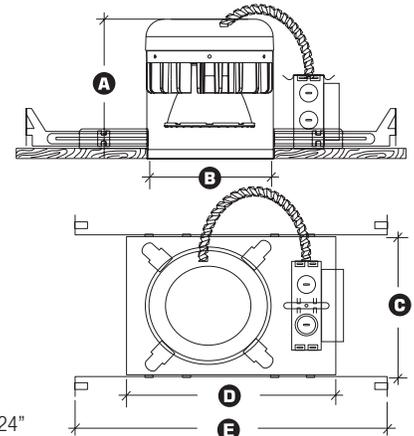


# B6IC-LED 6" NEW CONSTRUCTION IC LED HOUSING



**900 LUMENS** **IC RATED**

INPUT VOLT.	INPUT FREQ.	INPUT CUR.	INPUT POWER	THD	POWER FACTOR	LUMENS
120/277	50/60Hz	150mA/65mA	18W(+/-5%)	<20%	>0.9	900
120/277	50/60Hz	116mA/50mA	14W(+/-5%)	<20%	>0.9	650



**DESCRIPTION** - 6" LED dedicated New Construction IC housing with integral LED heat management casting and driver (installed on junction box). Designed for new construction installations and suitable for use in insulation covered or non-insulation covered ceilings. Lighting is smooth and comfortable while using 75% less energy than the equivalent 65W BR30 & 75W BR30 and 25% less than the common 18W & 26W CFL luminaire. Plus, the eco-friendly Elite LED system features 70% lumen maintenance at 72,000 hours life, with Energy Star and California Title-24 compliances.

**FEATURES** - Greater light output than an 18W & 26W CFL or a 65W BR30 & 75W BR30 while consuming less than 14W & 18W of power. Elite LED luminaires are ideally suited for use in hospitality, health care, commercial, retail and residential applications.

**OPTICS** - Elite's optics gather the light scattered by the LED chip, shape it into a functional beam with state of the art reflectors, integrate the light through a smooth lens to minimize brightness, then top it all of with a glare reducing cone that has a 55-degree cut-off. Now you have the Elite engineered, superior quality, light engine; producing over 650 & 900 lumens.

**DURABILITY** - Die-cast aluminum heat management system is engineered for extremely long life and service period. Heat sink is attached to top of housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Life tests have shown the Elite light engine output will be maintained at 70% of initial at 50,000 hours of operation. Our LED driver is rated for 50 to 60 Hz, produces less than 20% THD, has a power factor between 0.90 and 1.00 and is thermally protected for additional safety. Elite's driver is installed on the junction box cover so it may be serviced from below the ceiling.

**REPEATABLE** - All Elite LED luminaries are rated at 90+ CRI as rated and tested to LM-79 and LM-80 standards by a certified laboratory. California Title 24-2013 and Energy Star compliance are standard.

**DIMMABLE** - The Elite LED system is fully dimmable down to 10% of initial light output with a 0-10 Volt dimmer when ordered with the following option (DIM10-MVOLT). Fixtures can be shipped with a Lutron Hi-lume A series Driver which can be dimmed with Lutron Dimming Systems when ordered with the following options (120-LUTH, 277-LUTH). Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). Consult Factory for details.

**HOUSING** - Die-formed aluminum and galvanized steel for maximum heat dissipation and rust protection. Housing adjusts vertically in plaster frame to accommodate 1/2" to 1-3/8" thick ceiling. Housing is IC rated for direct contact with insulation and can be used in IC and NON-IC applications. May be installed in 2" x 8" joist construction.



**JUNCTION BOX** - UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pry-out slots and strain clamps. Designed for straight through conduit runs. Driver is installed on the junction box cover so it may be serviced from below the ceiling.

**THERMAL PROTECTION** - Standard thermal protection device guards against improper installation and misuse of insulation material.

**BAR HANGERS** - Preinstalled bar hangers allow housing to be positioned and locked at any point within a 24" joist span. They can be positioned on either the long or short axis of the housing and can be shortened for 12" joists. They contain a double-headed real nail for secure attachment into the joist. Bar hanger nails are installed on a 20° downward angle for better contact, and the 90° pivoting mounting plate makes installation fast and accurate. Bar hangers can fit onto T-Bar spline with additional slots and holes for special mounting methods if necessary.

**OUR WORD** - The Elite LED lighting system carries a five-year carefree warranty for parts and components. (Labor not included.)

**LISTING**

c-UL-us - listed for Damp location  
 c-UL-us - listed for feed Through Wiring  
 c-UL-us - listed for Direct Contact With Insulation  
 LM79 / LM80  
 Covered by U.S. Patent Numbers: D6423175S, 7717390B1, D615239S

**DIMMING INFORMATION**

DIMTR (Triac & Electronic Low Voltage Dimming)  
 DIM10 (0-10V Dimming)  
 LUTH (Lutron® Hi-lume® Dimming)

**ITEM SELECTOR:** Example: B6IC-LED-900L-DIM10-MVOLT-MD-30K-AT-L631-W-WH

\*LENSED TRIMS AVAILABLE ONLY IN 650 LUMENS

TYPE	650L SERIES	900L SERIES	OPTICS	CCT	CRI	AIR-SHUT	EMERGENCY	TRIM	BAFFLE	REFLECTOR	TRIM/RING
B6IC-LED	<input type="checkbox"/> 650L-DIMTR-120 <input type="checkbox"/> 650L-LUTH-120 <input type="checkbox"/> 650L-LUTH-277 <input type="checkbox"/> 650L-DIM10-MVOLT	<input type="checkbox"/> 900L-DIMTR-120 <input type="checkbox"/> 900L-LUTH-120 <input type="checkbox"/> 900L-LUTH-277 <input type="checkbox"/> 900L-DIM10-MVOLT	<input type="checkbox"/> MD (Medium)	<input type="checkbox"/> 27K <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 40K <input type="checkbox"/> 50K (85+ CRI Only)	<input type="checkbox"/> 85+ <input type="checkbox"/> 90+	<input type="checkbox"/> AT	<input type="checkbox"/> EMG	<input type="checkbox"/> L631 <input type="checkbox"/> L635* <input type="checkbox"/> L652* <input type="checkbox"/> L687* <input type="checkbox"/> L607 <input type="checkbox"/> L636* <input type="checkbox"/> L612* <input type="checkbox"/> L681* <input type="checkbox"/> L611 <input type="checkbox"/> L657* <input type="checkbox"/> L645* <input type="checkbox"/> L688* <input type="checkbox"/> L622 <input type="checkbox"/> L659* <input type="checkbox"/> L601* <input type="checkbox"/> L685* <input type="checkbox"/> L656* <input type="checkbox"/> L658* <input type="checkbox"/> L601L* <input type="checkbox"/> L680* <input type="checkbox"/> L676* <input type="checkbox"/> L641* <input type="checkbox"/> L605* <input type="checkbox"/> L689* <input type="checkbox"/> L675* <input type="checkbox"/> L642* <input type="checkbox"/> L605L* <input type="checkbox"/> L696*	<input type="checkbox"/> W <input type="checkbox"/> BZ <input type="checkbox"/> P <input type="checkbox"/> CL <input type="checkbox"/> SN <input type="checkbox"/> CP <input type="checkbox"/> BZ <input type="checkbox"/> RG <input type="checkbox"/> MB <input type="checkbox"/> W <input type="checkbox"/> SN <input type="checkbox"/> SHZ	<input type="checkbox"/> BK <input type="checkbox"/> WH <input type="checkbox"/> CH <input type="checkbox"/> PB <input type="checkbox"/> SN <input type="checkbox"/> CP <input type="checkbox"/> BZ	



LED  
6"

6 INCH NEW CONSTRUCTION IC LED HOUSING

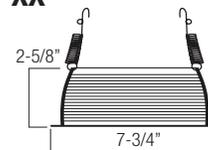
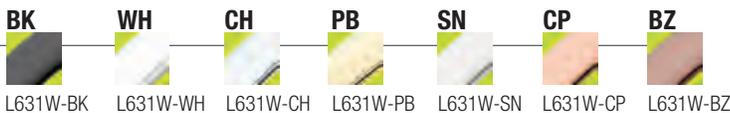
# 6" LED L600 BAFFLE TRIMS

## L631W-WH - PHENOLIC STEPPED BAFFLE



Photometric Multiplier 1.0

**BAFFLE FINISH:** W-WHITE (ORDERING INFORMATION) **L631W- XX**  
**RING FINISH:**

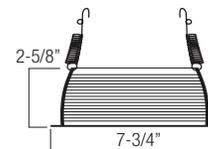
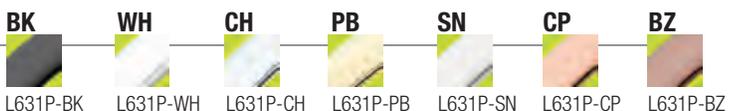


## L631P-BK - PHENOLIC STEPPED BAFFLE



Photometric Multiplier .75

**BAFFLE FINISH:** P-BLACK (ORDERING INFORMATION) **L631P- XX**  
**RING FINISH:**

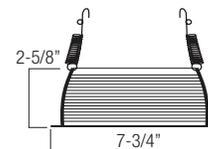
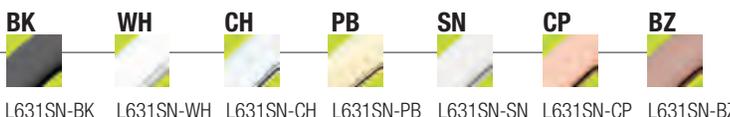


## L631SN-SN - METAL STEPPED BAFFLE



Photometric Multiplier .92

**BAFFLE FINISH:** SN-SATIN NICKEL (ORDERING INFORMATION) **L631SN- XX**  
**RING FINISH:**

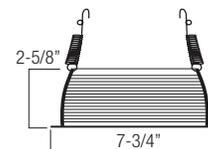
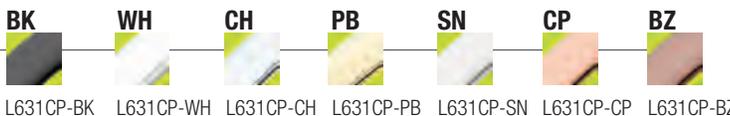


## L631CP-CP - METAL STEPPED BAFFLE



Photometric Multiplier .87

**BAFFLE FINISH:** CP-COPPER (ORDERING INFORMATION) **L631CP- XX**  
**RING FINISH:**

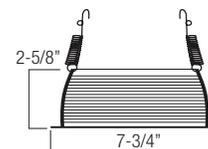


## L631BZ-BZ - METAL STEPPED BAFFLE



Photometric Multiplier .85

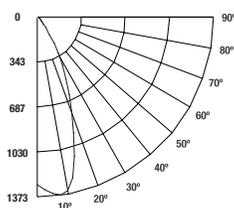
**BAFFLE FINISH:** BZ-BRONZE (ORDERING INFORMATION) **L631BZ- XX**  
**RING FINISH:**



### B61C-LED-650L-DIM10-120-MD-40K-AT-L631-W-WH

TEST NO.: EL-111333  
 LUMENS: 754  
 SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



Candela Distribution

	Q
0	1282
5	1326
15	1057
25	571
35	263
45	104
55	20
65	10
75	5
85	2
90	1

Zonal Lumen Summary

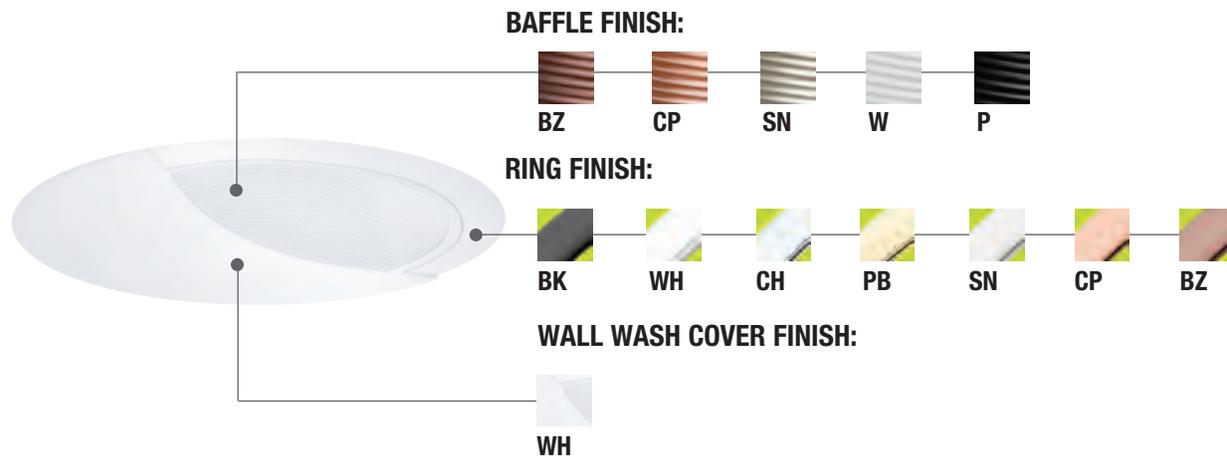
Zone	Lumens	%Lamp	%Fixture
0-20	376.00	50.00	49.90
0-30	591.14	78.60	78.40
0-40	682.55	90.80	90.50
0-60	738.76	98.30	98.00
0-80	751.80	100.00	99.70
0-90	753.81	100.30	100.00



LED  
6"

6 INCH BAFFLE LED TRIMS

**L611W-WH - BAFFLE WALL WASH (ORDERING INFORMATION) L611X- XX-WH**



# 6" LED L600 REFLECTOR TRIMS

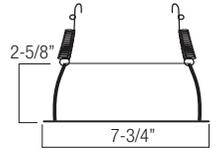
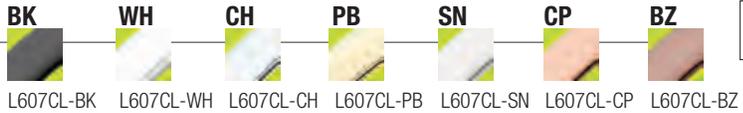
## L607CL-WH - REFLECTOR



Photometric Multiplier 1.0

**REFLECTOR FINISH:** CL-CLEAR (ORDERING INFORMATION) **L607CL- XX**

**RING FINISH:**



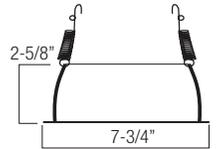
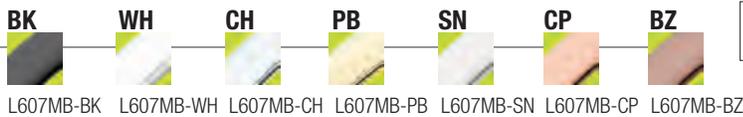
## L607MB-WH - REFLECTOR



Photometric Multiplier .77

**REFLECTOR FINISH:** MB-BLACK (ORDERING INFORMATION) **L607MB- XX**

**RING FINISH:**



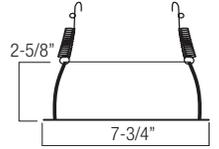
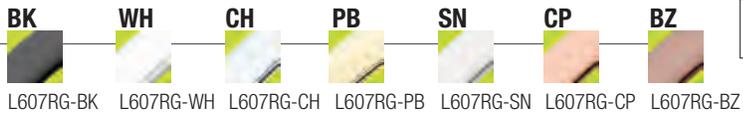
## L607RG-WH - REFLECTOR



Photometric Multiplier .90

**REFLECTOR FINISH:** RG-GOLD (ORDERING INFORMATION) **L607RG- XX**

**RING FINISH:**



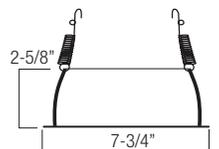
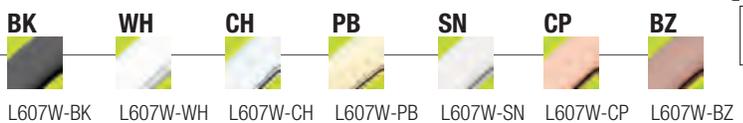
## L607W-WH - REFLECTOR



Photometric Multiplier .95

**REFLECTOR FINISH:** W-WHITE (ORDERING INFORMATION) **L607W- XX**

**RING FINISH:**



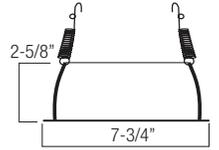
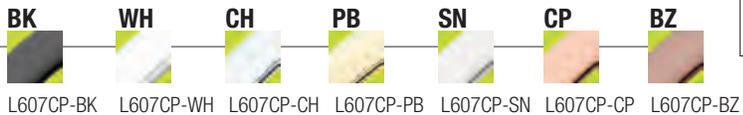
## L607CP-CP - REFLECTOR



Photometric Multiplier .90

**REFLECTOR FINISH:** CP-COPPER (ORDERING INFORMATION) **L607CP- XX**

**RING FINISH:**



## B6IC-LED-650L-DIM10-120-MD-40K-AT-L631-W-WH

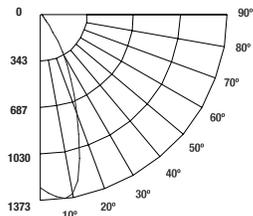
Test no.: EL-111333

Lumens: 754

Spacing criteria: 0.76



Candle Power Distribution Curve (Candela)



Candela Distribution

Candela	Q
0	1282
5	1326
15	1057
25	571
35	263
45	104
55	20
65	10
75	5
85	2
90	1

Zonal Lumen Summary

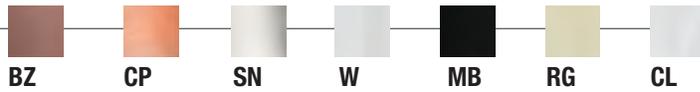
Zone	Lumens	%Lamp	%Fixture
0-20	376.00	50.00	49.90
0-30	591.14	78.60	78.40
0-40	682.55	90.80	90.50
0-60	738.76	98.30	98.00
0-80	751.80	100.00	99.70
0-90	753.81	100.30	100.00

# 6" LED L600 REFLECTOR TRIMS

L622W-WH - REFLECTOR WALL WASH (ORDERING INFORMATION) L622X- XX-WH



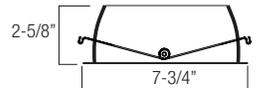
## REFLECTOR FINISH:



## RING FINISH:



## WALL WASH COVER FINISH:



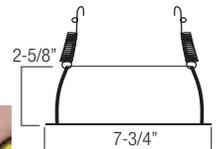
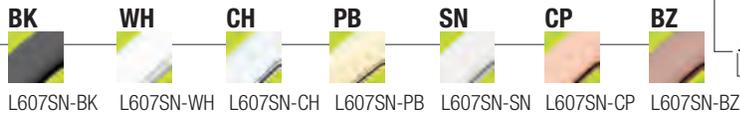
L607SN-SN - Reflector

REFLECTOR FINISH: SN-SATIN NICKEL (ORDERING INFORMATION) L607SN- XX

## RING FINISH:



Photometric Multiplier .87



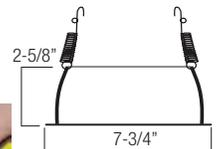
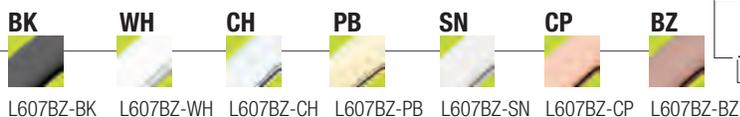
L607BZ-BZ - REFLECTOR

REFLECTOR FINISH: BZ-BRONZE (ORDERING INFORMATION) L607BZ- XX

## RING FINISH:



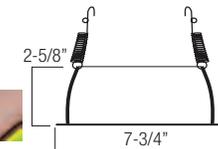
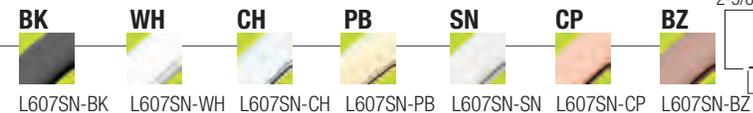
Photometric Multiplier .87



L607SHZ-WH - REFLECTOR

REFLECTOR FINISH: SHZ-SATIN HAZE (ORDERING INFORMATION) L607SHZ- XX

## RING FINISH:



B6IC-LED-900L-DIM10-120-MD-40K-AT-L607-CL-WH

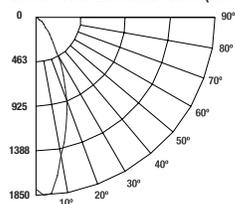
Test no.: EL-111344

Lumens: 872

Spacing criteria: 0.64



Candle Power Distribution Curve (Candela)



Candela Distribution

0	Q
0	1790
5	1801
15	1148
25	657
35	318
45	126
55	22
65	9
75	1
85	1
90	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-20	456.67	52.50	52.30
0-30	708.95	81.50	81.30
0-40	810.37	93.20	92.90
0-60	866.26	99.60	99.30
0-80	872.08	100.30	100.00
0-90	872.44	100.30	100.00

# 6" LED L600 LENSED BAFFLE TRIMS

## L656W-WH - BAFFLE WITH FROSTED DOME SHOWER LENS (ORDERING INFORMATION) L656X- XX



### BAFFLE FINISH:



### RING FINISH:



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS



## L676W-WH - BAFFLE WITH FROSTED LENS (ORDERING INFORMATION) L676X- XX



### BAFFLE FINISH:



### RING FINISH:



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS



## L675W-WH - BAFFLE WITH PRISMATIC LENS (ORDERING INFORMATION) L675X- XX



### BAFFLE FINISH:



### RING FINISH:



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS



## L635W-WH - BAFFLE WITH ALBALITE LENS (ORDERING INFORMATION) L635X- XX



### BAFFLE FINISH:



### RING FINISH:



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS



## L636W-WH - BAFFLE WITH FRESNEL LENS (ORDERING INFORMATION) L636X- XX



### BAFFLE FINISH:



### RING FINISH:



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS



### B61C-LED-900L-DIM10-120-MD-40K-AT-L631-W-WH

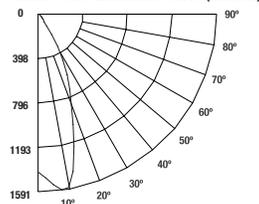
Test no.: EL-111343

Lumens: **853**

Spacing criteria: **0.82**



Candle Power Distribution Curve (Candela)



Candela Distribution

Q	Candela
0	1413
5	1446
15	1238
25	731
35	347
45	133
55	21
65	10
75	4
85	1
90	0

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0-20	435.53	51.20	51.00
0-30	685.15	80.50	80.30
0-40	784.80	92.20	92.00
0-60	840.03	98.70	98.40
0-80	851.89	100.10	99.80
0-90	853.48	100.30	100.00

# 6" LED L600 LENSED REFLECTOR TRIMS

## L657CL-WH - REFLECTOR WITH FROSTED DOME SHOWER LENS (ORDERING INFORMATION) L657X- XX



### REFLECTOR FINISH:



### RING FINISH:



## L659CL-WH - REFLECTOR WITH FROSTED LENS (ORDERING INFORMATION) L659X- XX



### REFLECTOR FINISH:



### RING FINISH:



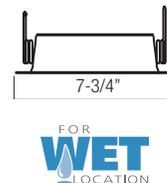
## L658CL-WH - REFLECTOR WITH PRISMATIC LENS (ORDERING INFORMATION) L658X- XX



### REFLECTOR FINISH:



### RING FINISH:



## L641CL-WH - REFLECTOR WITH ALBALITE LENS (ORDERING INFORMATION) L641X- XX



### REFLECTOR FINISH:



### RING FINISH:



## L642CL-WH - REFLECTOR WITH FRESNEL LENS (ORDERING INFORMATION) L642X- XX



### REFLECTOR FINISH:



### RING FINISH:



LED  
6"

6 INCH REFLECTOR LED TRIMS

LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS

# 6" LED L600 LENSED TRIMS

## L652WH - SMOOTH FROSTED LENS



**LENS FINISH:** FROSTED (ORDERING INFORMATION) **L652XX**

**RING FINISH:**



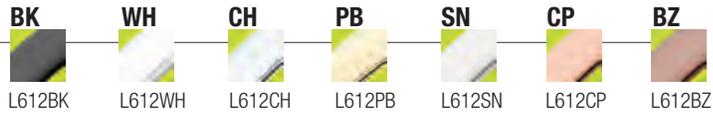
LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS

## L612WH - SMOOTH FROSTED DOME LENS



**LENS FINISH:** FROSTED (ORDERING INFORMATION) **L612XX**

**RING FINISH:**



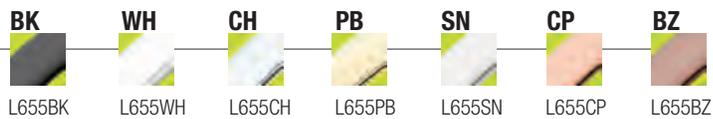
LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS

## L645WH - DESIGNER POINT LENS



**LENS FINISH:** FROSTED (ORDERING INFORMATION) **L655XX**

**RING FINISH:**



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS

## L601WH/L601L - METAL/PLASTIC ALBALITE LENS



**LENS FINISH:** ALBALITE-WHITE (ORDERING INFORMATION) **L601XX**

**RING FINISH:**



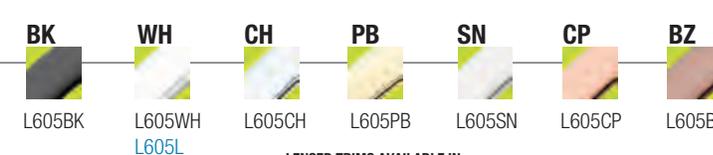
LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS

## L605WH/L605L - METAL/PLASTIC FRESNEL LENS



**LENS FINISH:** FRESNEL-CLEAR (ORDERING INFORMATION) **L605XX**

**RING FINISH:**



LENSED TRIMS AVAILABLE IN  
**650L** 14 WATTS | **900L** 18 WATTS | **1200L** 24 WATTS

LED  
6"

6 INCH LENSED LED TRIMS

# 6" LED L600 LENSED TRIMS



LED  
6"

6 INCH LENSED LED TRIMS

**L606WH/L606L** - METAL/PLASTIC DROP OPAL LENS

**LENS FINISH:** DROP OPAL-FROSTED (ORDERING INFORMATION) **L606XX**

**RING FINISH:**



L606BK



L606WH  
L606L



L606CH



L606PB



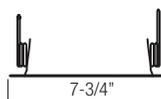
L606SN



L606CP



L606BZ



FOR  
**WET**  
LOCATION

LENSED TRIMS AVAILABLE IN  
**650L 900L 1200L**  
14 WATTS | 18 WATTS | 24 WATTS

# 6" LED L600 SQUARE LENSED TRIMS

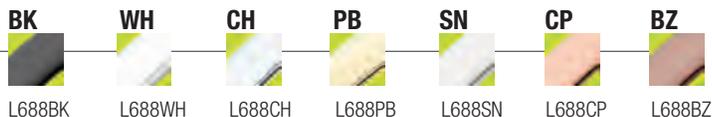
LENSED TRIMS AVAILABLE ONLY IN 18W (900 LUMENS) AND 24W (1200 LUMENS)

## L688WH - SQUARE ALBALITE LENS



**LENS FINISH:** ALBALITE-WHITE (ORDERING INFORMATION) **L688-XX**

**RING FINISH:**



**PATENT #: D510,151**

LENSED TRIMS AVAILABLE IN  
**650L900L1200L**  
14 WATTS | 18 WATTS | 24 WATTS

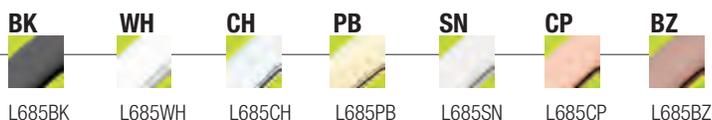


## L685WH - SQUARE FRESNEL LENS



**LENS FINISH:** FRESNEL-CLEAR (ORDERING INFORMATION) **L685-XX**

**RING FINISH:**



**PATENT #: D510,151**

LENSED TRIMS AVAILABLE IN  
**650L900L1200L**  
14 WATTS | 18 WATTS | 24 WATTS

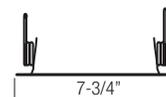


## L680WH - SQUARE DESIGNER POINT LENS



**LENS FINISH:** FROSTED (ORDERING INFORMATION) **L680XX**

**RING FINISH:**



**PATENT #: D510,151**

LENSED TRIMS AVAILABLE IN  
**650L900L1200L**  
14 WATTS | 18 WATTS | 24 WATTS



## L696WH - SQUARE DESIGNER FROSTED LENS



**LENS FINISH:** FROSTED (ORDERING INFORMATION) **L696XX**

**RING FINISH:**



**PATENT #: D510,151**

LENSED TRIMS AVAILABLE IN  
**650L900L1200L**  
14 WATTS | 18 WATTS | 24 WATTS



6 INCH SQUARE LED TRIMS

LED  
6"

# 6" LED L600 SQUARE LENSED TRIMS



LED  
6"

## L681BZ-WH - SQUARE BAFFLE (ORDERING INFORMATION) L681X- XX

**BAFFLE FINISH:**

BZ CP SN W P

**RING FINISH:**

BK WH CH PB SN CP BZ

PATENT #: D510,151

7-3/4"

6 INCH SQUARE LED TRIMS

## L687CP-WH - SQUARE REFLECTOR (ORDERING INFORMATION) L687X- XX

**REFLECTOR FINISH:**

CL CP MB RG SN W

**RING FINISH:**

BK WH CH PB SN CP BZ

PATENT #: D510,151

7-3/4"