

6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 6"
RECESSED HOUSINGS
6RLD G3 1000L

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



PRODUCT DESCRIPTION

Energy efficient LED retrofit module fits into standard 6" IC or non-IC recessed housings • Replaces 75W incandescent lamp, producing over 975 lumens • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • LED retrofit module is designed to provide 50,000 hours of life • 5 year warranty

PRODUCT SPECIFICATIONS

LED Downlight Retrofit Trim Cast aluminum trim with white baffle and flange • All-in-one design where LED light engine mounts directly to trim for ease of installation into existing 6" recessed housings with medium base sockets • Provided with torsion springs.

LED Light Engine LEDs are mounted directly to cast aluminum housing providing superior thermal management to ensure long life • 2700K, 3000K, and 3500K LED color temperature • 90 CRI minimum • Accommodates 120 volts AC at 60Hz • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • For a list of compatible dimmers, see [JUNORETROBASICS-DIM](#).

Electrical Connections Trim features quick connect plug installed as standard for installation into IC23 LEDT24 and IC23R LEDT24 housings with mating connector • Trim ships with a medium base socket adapter whip for installation into 6" incandescent housings with medium base sockets.

Trim Cast aluminum baffle trim with white finish • Diffusing lens conceals the LEDs from direct view and provides uniform aperture luminance.

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Certified • Certified to the high efficacy requirements of California T24 • UL and cUL classified for use with most standard UL listed 6" recessed incandescent housings and Juno IC23 LEDT24 and IC23R LEDT24; see below for specific compatibility requirements • Damp location • Suitable for wet locations (indoor covered ceilings).

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

INSTALLATION

The LED retrofit baffle trim is provided with torsion springs as standard. Accessory kit available for use in housings that do not have torsion spring retaining brackets.

COMPATIBLE HOUSINGS

The 6RLD retrofit module is compatible with most 6" recessed housings measuring at least 4" high with an inside diameter between 5-3/4" and 7". Removal of the housing socket plate or socket mounting bracket may be required in order for the trim to fit properly.

Compatible housings include, but not limited to:

Juno housings: IC2, IC21, IC22, IC23 and TC2 Series

Juno quick-connect LED housings: [IC23 LEDT24](#) and [IC23R LEDT24](#)

VuLite® housings: V6IC and V6TC Series

Lithonia® housings: L7X and LC6 Series

Halo® housings: H7 Series, H25 Series

Thomas® housings: PS1 and PS3 Series

Capri® housings: CR1, PR1, QL6 Series, P9ASIC Series

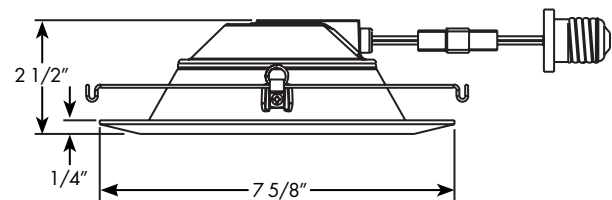
ORDERING INFORMATION

Ordering Example: 6RLD G3 10LM 27K 90CRI 120 FRPC WWH

Trim Series	Generation	Lumens	Color Temperature	Color Rendering Index	Voltage	Driver	Finish
6RLD 6" Juno Basics Retrofit Downlight	G3 Generation 3	10LM 1000 Nominal Lumens	27K 2700K 30K 3000K 35K 3500K	90CRI 90+ CRI	120 120V	FRPC Forward/Reverse Phase Cut	WWH White, White Trim Ring



DIMENSIONS



PERFORMANCE DATA

	27K	30K	35K
Input Voltage	120V	120V	120V
Input Power Typical	13.5W	13.5W	13.5W
Frequency	60Hz	60Hz	60Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)
Minimum starting temp	-30°C (-22°F)	-30°C (-22°F)	-30°C (-22°F)
CRI	90 min.	90 min.	90 min.
CCT	2700K	3000K	3500K

ACCESSORIES

V6RLTRB

Torsion receiver bracket kit to install into housings that do not have torsion receiver brackets.

LEDRETROWHIP

Replacement E26 screw base adapter for installation into incandescent housings.

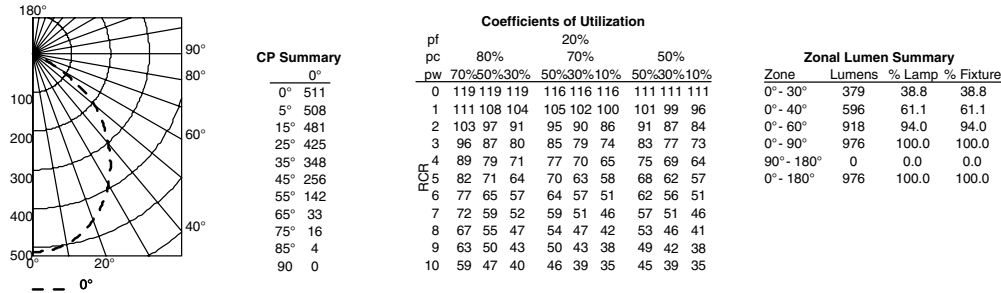
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RECESSED HOUSINGS
6RLD G3 1000L

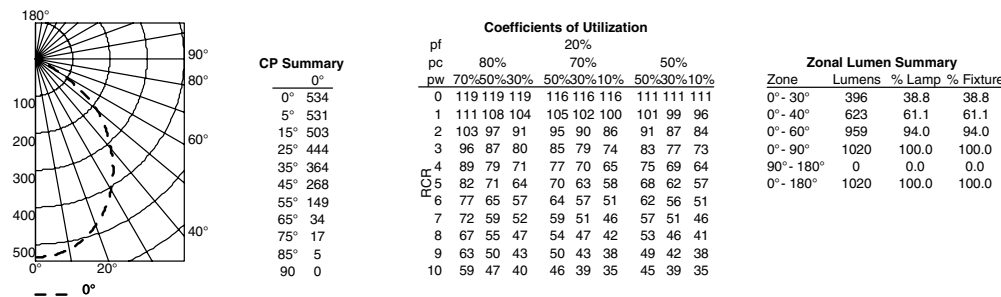
PHOTOMETRICS

Distribution Curve Distribution Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

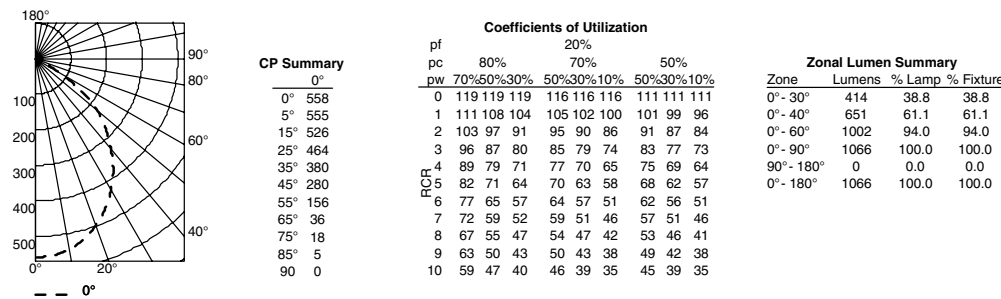
6RLD G3 10LM 27K, 2700K LEDs, input watts: 13.5, delivered lumens: 977, LM/W = 72, test no. PT10161404R, tested in accordance to IESNA LM-79.



6RLD G3 10LM 30K, 3000K LEDs, input watts: 13.5, delivered lumens: 1021, LM/W = 76, test no. PT10161404R, tested in accordance to IESNA LM-79.



6RLD G3 10LM 35K, 3500K LEDs, input watts: 13.5, delivered lumens: 1067, LM/W = 79, test no. PT10161404R, tested in accordance to IESNA LM-79.



For 27K fixtures, use 0.91 multiplier; For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier.

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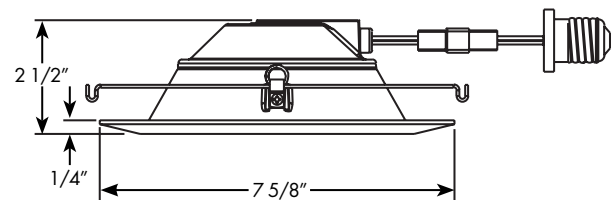
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Input Power Typical	13.5W	13.5W	13.5W
Frequency	60Hz	60Hz	60Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)
Minimum starting temp	-30°C (-22°F)	-30°C (-22°F)	-30°C (-22°F)
CRI	90 min.	90 min.	90 min.
CCT	2700K	3000K	3500K

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PHOTOMETRICS

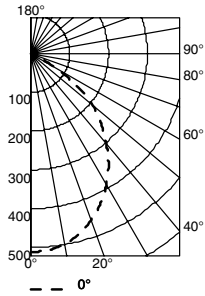
Distribution Curve

Distribution Data

Coefficient of Utilization

**Illuminance Data at 30" Above Floor for
a Single Luminaire**

6RLD G3 10LM 27K, 2700K LEDs, input watts: 13.5, delivered lumens: 977, LM/W = 72, test no. PT10161404R, tested in accordance to IESNA LM-79.



CP Summary

Beam Angle	CP
0°	511
5°	508
15°	481
25°	425
35°	348
45°	256
55°	142
65°	33
75°	16
85°	4
90°	0

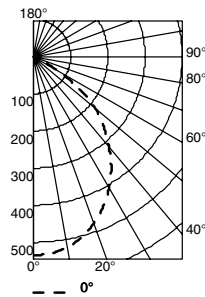
Coefficients of Utilization

pc	20%		
	80%	70%	50%
pw	70%50%30%	50%30%10%	50%30%10%
0	119 119 119	116 116 116	111 111 111
1	111 108 104	105 102 100	101 99 96
2	103 97 91	95 90 86	91 87 84
3	96 87 80	85 79 74	83 77 73
4	89 79 71	77 70 65	75 69 64
5	82 71 64	70 63 58	68 62 57
6	77 65 57	64 57 51	62 56 51
7	72 59 52	59 51 46	57 51 46
8	67 55 47	54 47 42	53 46 41
9	63 50 43	50 43 38	49 42 38
10	59 47 40	46 39 35	45 39 35

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0°- 30°	379	38.8	38.8
0°- 40°	596	61.1	61.1
0°- 60°	918	94.0	94.0
0°- 90°	976	100.0	100.0
90°- 180°	0	0.0	0.0
0°- 180°	976	100.0	100.0

6RLD G3 10LM 30K, 3000K LEDs, input watts: 13.5, delivered lumens: 1021, LM/W = 76, test no. PT10161404R, tested in accordance to IESNA LM-79.



CP Summary

Beam Angle	CP
0°	534
5°	531
15°	503
25°	444
35°	364
45°	268
55°	149
65°	34
75°	17
85°	5
90°	0

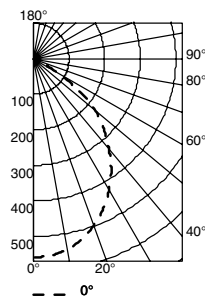
Coefficients of Utilization

pc	20%		
	80%	70%	50%
pw	70%50%30%	50%30%10%	50%30%10%
0	119 119 119	116 116 116	111 111 111
1	111 108 104	105 102 100	101 99 96
2	103 97 91	95 90 86	91 87 84
3	96 87 80	85 79 74	83 77 73
4	89 79 71	77 70 65	75 69 64
5	82 71 64	70 63 58	68 62 57
6	77 65 57	64 57 51	62 56 51
7	72 59 52	59 51 46	57 51 46
8	67 55 47	54 47 42	53 46 41
9	63 50 43	50 43 38	49 42 38
10	59 47 40	46 39 35	45 39 35

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0°- 30°	396	38.8	38.8
0°- 40°	623	61.1	61.1
0°- 60°	959	94.0	94.0
0°- 90°	1020	100.0	100.0
90°- 180°	0	0.0	0.0
0°- 180°	1020	100.0	100.0

6RLD G3 10LM 35K, 3500K LEDs, input watts: 13.5, delivered lumens: 1067, LM/W = 79, test no. PT10161404R, tested in accordance to IESNA LM-79.



CP Summary

Beam Angle	CP
0°	558
5°	555
15°	526
25°	464
35°	380
45°	280
55°	156
65°	36
75°	18
85°	5
90°	0

Coefficients of Utilization

pc	20%		
	80%	70%	50%
pw	70%50%30%	50%30%10%	50%30%10%
0	119 119 119	116 116 116	111 111 111
1	111 108 104	105 102 100	101 99 96
2	103 97 91	95 90 86	91 87 84
3	96 87 80	85 79 74	83 77 73
4	89 79 71	77 70 65	75 69 64
5	82 71 64	70 63 58	68 62 57
6	77 65 57	64 57 51	62 56 51
7	72 59 52	59 51 46	57 51 46
8	67 55 47	54 47 42	53 46 41
9	63 50 43	50 43 38	49 42 38
10	59 47 40	46 39 35	45 39 35

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0°- 30°	414	38.8	38.8
0°- 40°	651	61.1	61.1
0°- 60°	1002	94.0	94.0
0°- 90°	1066	100.0	100.0
90°- 180°	0	0.0	0.0
0°- 180°	1066	100.0	100.0

For 27K fixtures, use 0.91 multiplier; For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier.