

# 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

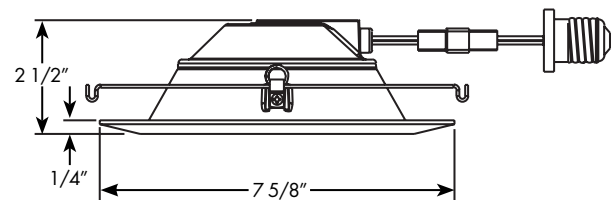
## ORDERING INFORMATION

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.

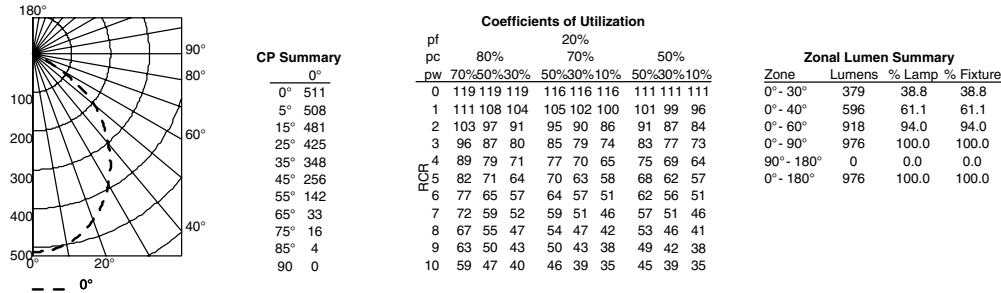
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**6RLD G3 1000L**

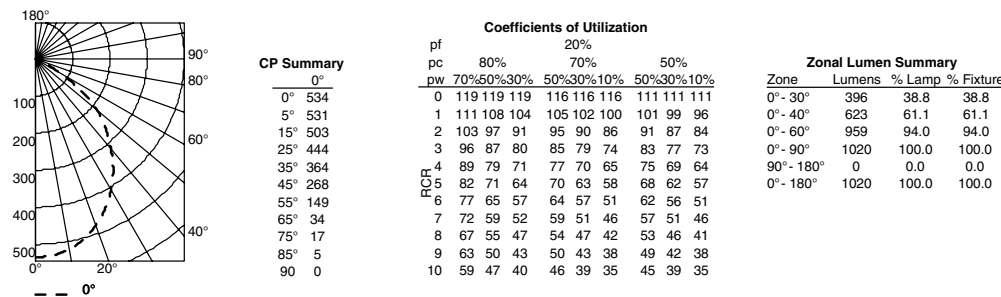
## PHOTOMETRICS

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

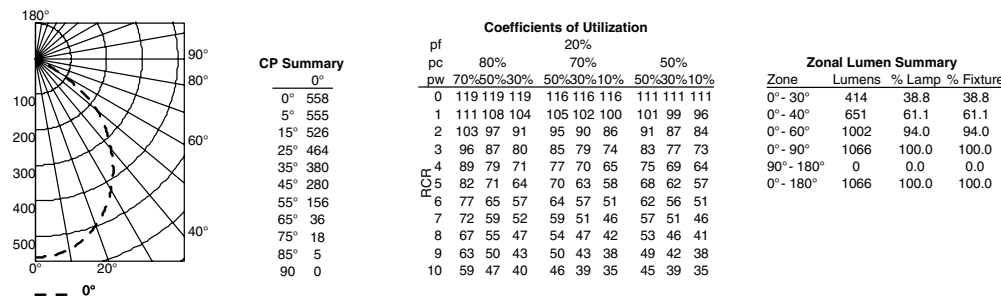
**6RLD G3 10LM 27K**, 2700K LEDs, input watts: 13.5, delivered lumens: 977, LM/W = 72, test no. PT10161404R, tested in accordance to IESNA LM-79.



**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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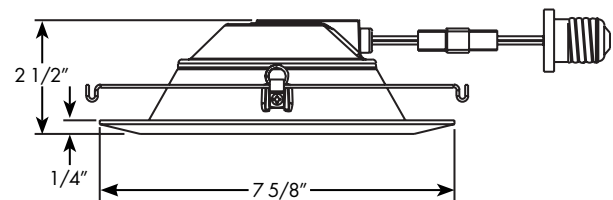
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Frequency	60Hz	60Hz	60Hz
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CRI	90 min.	90 min.	90 min.
CCT	2700K	3000K	3500K

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## PHOTOMETRICS

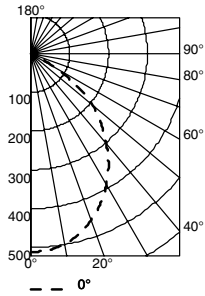
**Distribution Curve**

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

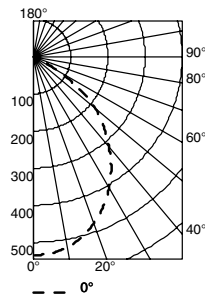
**Coefficients of Utilization**

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

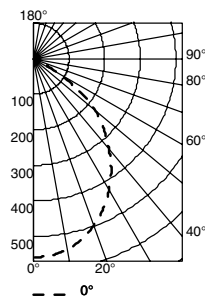
**Coefficients of Utilization**

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	Footcandle
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.