

**JUNO**

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# 6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 6"  
RECESSED HOUSINGS  
**6RLD G2 06LM**



## PRODUCT DESCRIPTION

Energy efficient LED retrofit module fits into standard 6" IC or non-IC recessed housings • Replaces 65W incandescent lamp, producing over 700 lumens • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • LED retrofit module is designed to provide 36,000 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 36,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Certified • 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

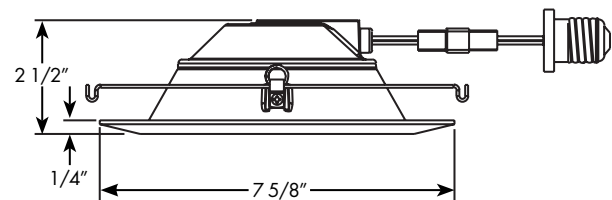
## ORDERING INFORMATION

Ordering Example: 6RLD G2 06LM 27K 90CRI 120 FRPC WWH

Trim Series	Generation	Lumens	Color Temperature	Color Rendering Index	Voltage	Driver	Finish
6RLD 6" Juno Basics Retrofit Downlight	G2 Generation 2	06LM 600 Nominal Lumens	27K 2700K 30K 3000K	90CRI 90+ CRI	120 120V	FRPC Forward/Reverse Phase Cut	WWH White, White Trim Ring
		09LM 900 Nominal Lumens	35K 3500K				



## DIMENSIONS



## MOUNTING ACCESSORIES

### V6RLTRB

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

## PERFORMANCE DATA

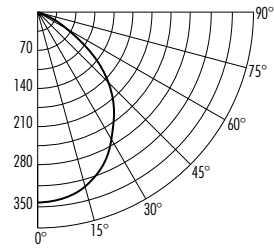
	27K	30K	35K
Input Voltage	120V	120V	120V
Input Power Typical	10W	10W	10W
Frequency	60Hz	60Hz	60Hz
EMI/RFI	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)	FCC Title 47, Part 15 Class B (consumer)
Minimum starting temp	-30°C (-22°F)	-30°C (-22°F)	-30°C (-22°F)
CRI	90 min.	90 min.	90 min.
CCT	2700K	3000K	3500K

# 6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 6"  
RECESSED HOUSINGS  
**6RLD G2 06LM**

## PHOTOMETRIC REPORT

Test Report#: PTO2161613R  
Catalog No: 6RLD G2 06LM 27K 90CRI 120 FRPC WWH  
Luminaire Spacing Criteria: 1.22  
Luminaire LPW: 69



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	340
5	339
15	324
25	294
35	249
45	182
55	95
65	31
75	13
85	3
90	0

## AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	46	37	30
5'	29	24	20
6'	20	17	14
7'	17	13	11
8'	13	11	9
9'	10	8	7
10'	7	6	5

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	259	N/A	37.7
0-40°	414	N/A	60.2
0-60°	638	N/A	92.8
0-90°	687	N/A	100.0

## INITIAL FOOTCANDLES (One Unit: 10W, 93° Beam)

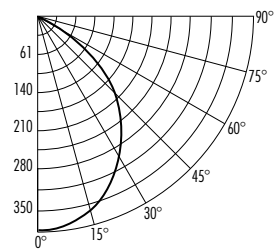
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	21.3	8.4
6'	9.4	12.6
8'	5.3	16.9
10'	3.4	21.1

## LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	16650
55°	10666
65°	4721
75°	3267
85°	2198

## PHOTOMETRIC REPORT

Test Report#: PTO2161614R  
Catalog No: 6RLD G2 06LM 30K 90CRI 120 FRPC WWH  
Luminaire Spacing Criteria: 1.22  
Luminaire LPW: 71



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	350
5	348
15	334
25	303
35	257
45	188
55	98
65	32
75	14
85	3
90	0

## AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	47	38	32
5'	30	24	20
6'	21	17	14
7'	17	14	11
8'	14	11	9
9'	10	8	7
10'	8	6	5

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	267	N/A	37.6
0-40°	427	N/A	60.1
0-60°	658	N/A	92.7
0-90°	710	N/A	100.0

## INITIAL FOOTCANDLES (One Unit: 10W, 93.2° Beam)

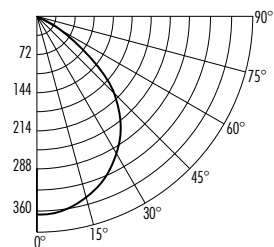
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	21.9	8.5
6'	9.7	12.7
8'	5.5	16.9
10'	3.5	21.1

## LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	17969
55°	11545
65°	5109
75°	3571
85°	2374

## PHOTOMETRIC REPORT

Test Report#: PTO2161614R  
Catalog No: 6RLD G2 06LM 35K 90CRI 120 FRPC WWH  
Luminaire Spacing Criteria: 1.22  
Luminaire LPW: 74



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	366
5	364
15	349
25	326
35	269
45	196
55	102
65	33
75	14
85	3
90	0

## AVERAGE INITIAL FOOTCANDLES Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	50	40	33
5'	32	26	21
6'	22	18	15
7'	18	14	12
8'	14	11	9
9'	11	9	7
10'	8	6	5

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	279	N/A	37.6
0-40°	446	N/A	60.1
0-60°	688	N/A	92.7
0-90°	742	N/A	100.0

## INITIAL FOOTCANDLES (One Unit: 10W, 93.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	22.9	8.5
6'	10.2	12.7
8'	5.7	16.9
10'	3.7	21.1

## LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	15250
55°	10639
65°	4808
75°	3130
85°	1992