



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

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

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

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

# 4" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 4"  
RECESSED HOUSINGS  
**4RLD G2 09LM**



## PRODUCT DESCRIPTION

Energy efficient LED retrofit module fits into standard 4" IC or non-IC recessed housings • Replaces 75W incandescent lamp, producing over 900 lumens • Dimmable with most standard incandescent, magnetic low voltage and electronic low voltage dimmers • LED retrofit module is designed to last 36,000 hours of life • 5 year warranty

## PRODUCT SPECIFICATIONS

**LED Retrofit Downlight 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 4" recessed housings with medium base sockets • Provided with push-in friction springs.

**LED Light Engine** LEDs mounted directly to aluminum housing designed to provide superior thermal management and ensure long life • 2700K 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 IC1 LEDT24 and IC1R LEDT24 housings with mating connector • Trim ships with a medium base socket adapter whip for installation into 4" 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 4" recessed incandescent housings and Juno IC1 LEDT24 and IC1R 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 push-in friction springs as standard.

### COMPATIBLE HOUSINGS

The 4RLD retrofit baffle trim is compatible with most 4" recessed housings measuring at least 4" high with an inside diameter between 4" and 4-1/2".

### Compatible housings include, but not limited to:

**Juno housings:** IC1 and TC1 Series

**Juno quick-connect LED housings:** [IC1 LEDT24](#) and [IC1R LEDT24](#)

**VuLite® housings:** V4IC and V4TC Series

**Lithonia® housings:** L3 Series

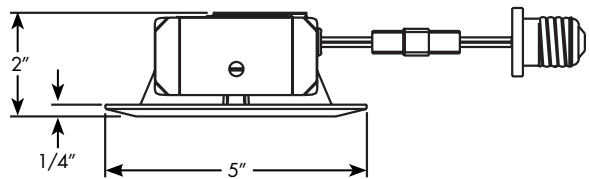
**Halo® housings:** H99 Series

**Thomas® housings:** PS4 Series

**Capri® housings:** P4 and R4 Series



## DIMENSIONS



## PERFORMANCE DATA

	27K	35K
Input Voltage	120V	120V
Input Power Typical	13.5W	13.5W
Frequency	60Hz	60Hz
EMI/RFI	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)
CRI	90 min.	90 min.
CCT	2700K	3500K

## ORDERING INFORMATION

Ordering Example: 4RLD G2 09LM 27K 90CRI 120 FRPC WWH

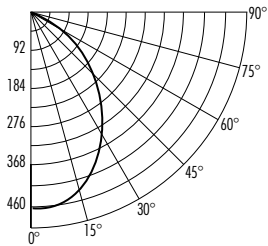
Trim Series	Generation	Lumens	Color Temperature	Color Rendering Index	Voltage	Driver	Finish
<b>4RLD</b> 4" Juno Basics Retrofit Downlight	<b>G2</b> Generation 2	<b>09LM</b> 900 Nominal Lumens	<b>27K</b> 2700K <b>35K</b> 3500K	<b>90CRI</b> 90+ CRI	<b>120</b> 120V	<b>FRPC</b> Forward/Reverse Phase Cut	<b>WWH</b> White, White Trim Ring

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**4RLD G2 09LM**

## PHOTOMETRIC REPORT

Test Report#: PTO2161102R  
Catalog No: 4RLD G2 09LM 27K 90CRI 120 FRPC WWH  
Luminaire Spacing Criteria: 1.20  
Luminaire LPW: 66



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	463
5	461
15	441
25	398
35	325
45	216
55	104
65	46
75	21
85	5
90	0

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

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	59	48	39
5'	38	31	25
6'	26	21	18
7'	21	17	14
8'	17	14	11
9'	13	11	9
10'	10	8	6

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	351	N/A	39.5
0-40°	553	N/A	62.2
0-60°	813	N/A	91.6
0-90°	888	N/A	100.0

## INITIAL FOOTCANDLES (One Unit: 13.5W, 87.3° Beam)

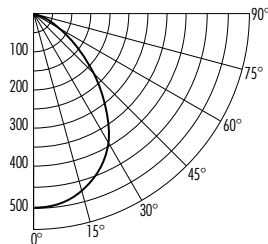
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	28.9	7.6
6'	12.9	11.4
8'	7.2	15.3
10'	4.6	19.1

## LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	46494
55°	27491
65°	16413
75°	12325
85°	8977

## PHOTOMETRIC REPORT

Test Report#: PTO2161103R  
Catalog No: 4RLD G2 09LM 35K 90CRI 120 FRPC WWH  
Luminaire Spacing Criteria: 1.20  
Luminaire LPW: 71



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	499
5	496
15	474
25	428
35	350
45	232
55	112
65	49
75	23
85	6
90	0

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

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	64	52	42
5'	41	33	27
6'	28	23	19
7'	23	19	15
8'	18	15	12
9'	14	11	9
10'	10	8	7

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	377	N/A	39.5
0-40°	595	N/A	62.2
0-60°	875	N/A	91.5
0-90°	956	N/A	100.0

## INITIAL FOOTCANDLES (One Unit: 13.5W, 87.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	31.2	7.6
6'	13.9	11.4
8'	7.8	15.3
10'	5.0	19.1

## LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	50020
55°	29619
65°	17719
75°	13271
85°	9763