



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 6"
RECESSED HOUSINGS



6RLDG2 700L

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® Qualified • 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.

Product 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](#)

VuLife® housings: V6IC and V6TC Series

Lithonia® housings: L7X and LC6 Series

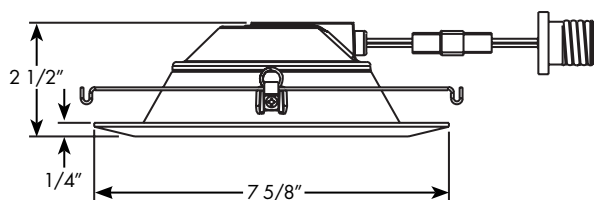
Halo® housings: H7 Series, H25 Series

Thomas® housings: PS1 and PS3 Series

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



DIMENSIONS



PRODUCT CODES

Catalog Number	Description
6RLDG2-927-6-WWH	6" LED retrofit baffle trim, 2700K, 700 Lumen
6RLDG2-930-6-WWH	6" LED retrofit baffle trim, 3000K, 700 Lumen
6RLDG2-935-6-WWH	6" LED retrofit baffle trim, 3500K, 700 Lumen

MOUNTING ACCESSORIES

V6RL-TRB

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

PERFORMANCE DATA

	27K	3K	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

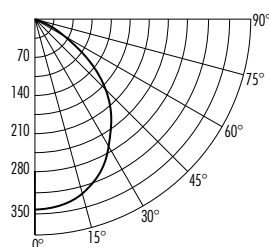
6" BASICS SERIES™ LED RETROFIT BAFFLE TRIM

DOWNLIGHT RETROFIT FOR STANDARD 6"
RECESSED HOUSINGS

6RLDG2 700L

PHOTOMETRIC REPORT

Test Report#: PT02161613R
Catalog No: 6RLDG2-927-6-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)

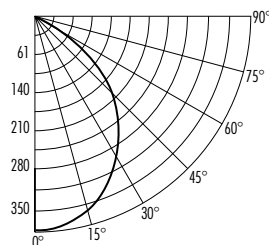
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	21.3	8.4
6'	9.4	12.6
8'	5.3	16.9
10'	3.4	21.1

LUMINANCE (Average cd/m²)

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

PHOTOMETRIC REPORT

Test Report#: PT02161614R
Catalog No: 6RLDG2-930-6-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)

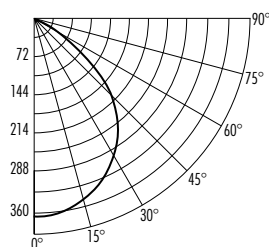
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	21.9	8.5
6'	9.7	12.7
8'	5.5	16.9
10'	3.5	21.1

LUMINANCE (Average cd/m²)

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

PHOTOMETRIC REPORT

Test Report#: PT02161614R
Catalog No: 6RLDG2-935-6-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