



Project: _____
 Fixture Type: _____
 Location: _____
 Contact/Phone: _____

4" BASICS SERIES™ LED RETROFIT ADJUSTABLE TRIM

ADJUSTABLE RETROFIT FOR STANDARD 4"
 RECESSED HOUSINGS
4RLA G2 06LM



PRODUCT DESCRIPTION

Energy efficient LED adjustable trim module fits into standard 4" IC or non-IC recessed housings • Replaces 50W incandescent lamp, producing over 600 lumens • Adjustable gimbal design allows for up to 35° vertical aiming • 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 Retrofit Adjustable Trim Cast aluminum trim with white gimbal 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 • Up to 35° vertical adjustment • 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 or 3000K 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 QC6 and QC6R housings with mating connector • Trim ships as standard with a medium base socket adapter whip for installation into 4" incandescent housings with medium base sockets • Product shipping to California does not include medium base socket adapter (L/SKTWHIP).

Optical System Trims are offered with choice of 25° narrow flood or 65° wide flood beam patterns • Ships without E26 screw base socket adapter with L/SKTWHIP option • LED source concealed with lensed optic.

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 4" recessed incandescent housings and Juno QC6 and QC6R; see below for specific compatibility requirements • Damp location.

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

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

INSTALLATION

The LED retrofit adjustable trim is provided with push-in friction springs as standard.

COMPATIBLE HOUSINGS

The 4RLA G2 retrofit adjustable 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: QC6 and QC6R

VuLite® housings: V4IC and V4TC Series

Lithonia® housings: L3 Series

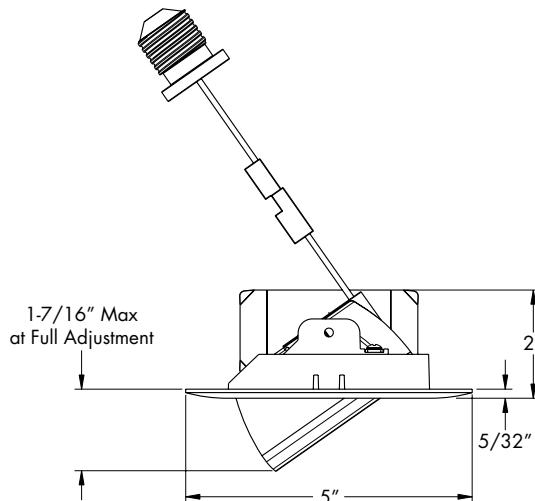
Halo® housings: H99 Series

Thomas® housings: PS4 Series

Capri® housings: P4 and R4 Series



DIMENSIONS



PERFORMANCE DATA

	27K	30K
Input Voltage	120V	120V
Input Power Typical	10.5W	10.5W
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	3000K

ACCESSORIES

Replacement E26 screw base adapter for installation into incandescent housings.

LEDRETROWHIP Unit Pack

LEDRETROWHIP J10 Job pack 10 pcs

LEDRETROWHIP J25 Job pack 25 pcs

4" BASICS SERIES™

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4RLA G2 06LM

ORDERING INFORMATION

Ordering Example: 4RLA G2 06LM 27K 90CRI NFL 120 FRPC WH

Series	Generation	Lumens	Color Temperature	Color Rendering Index
4RLA 4" Juno Basics Retrofit Adjustable	G2 Generation 2	06LM 600 Nominal Lumens	27K 2700K 30K 3000K	90CRI 90+ CRI

Distribution	Voltage	Driver	Finish	Options
NFL Narrow Flood WFL Wide Flood	120 120V	FRPC Forward/Reverse Phase Cut	WH White	L/SKTWHIP¹ Less Socket Whip (California Only) E26 screw base adapter not included

Notes:

1 Required for shipments to California.

Paris perfectly with Juno housings for a complete downlight solution: Order housings as separate catalog number.

[QC4 Series](#) - New Construction Quick Connect LED Housing



[QC4R Series](#) - Remodel Quick Connect LED Housing



[IC1FW LEDT24](#) - Firewall Fire Rated Quick Connect LED Housing



4" BASICS SERIES™

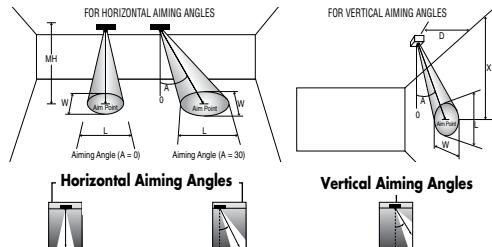
LED RETROFIT ADJUSTABLE TRIM

ADJUSTABLE RETROFIT FOR STANDARD 4" RECESSED HOUSINGS

4RLA G2 06LM

CBCP • Centerbeam candlepower
FC • Footcandles at beam center
 (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) [0.5774 for 30°, 1.0 for 45°].

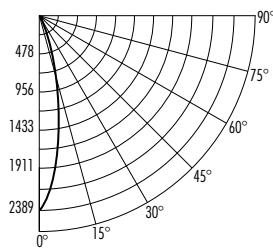


Fixture	Beam Type	Beam Spread°	CBCP	0°			30°			30°					
				MH	FC	L	W	FC	L	W	D	FC	X	L	W
With Wide Flood Optic	WFL	65°	517	3	57	3.8	3.8	37	5.9	4.4	1	65	1.7	*	2.5
				4	32	5.1	5.1	21	7.9	5.9	2	16	3.5	*	5.1
				5	21	6.4	6.4	13	9.8	7.4	3	7	5.2	*	7.6
				6	14	7.6	7.6	9	11.8	8.8	4	4	6.9	*	10.2
				7	11	8.9	8.9	7	13.8	10.3	5	3	8.7	*	12.7
With Narrow Flood Optic	NFL	25°	2389	3	265	1.3	1.3	172	1.8	1.5	1	299	1.7	2.1	0.9
				4	149	1.8	1.8	97	2.4	2.0	2	75	3.5	4.2	1.8
				5	96	2.2	2.2	62	3.0	2.6	3	33	5.2	6.2	2.7
				6	66	2.7	2.7	43	3.6	3.1	4	19	6.9	8.3	3.5
				7	49	3.1	3.1	32	4.2	3.6	5	12	8.7	10.4	4.4

*Covers full length of wall based on typical mounting heights of 8-12 feet.

PHOTOMETRIC REPORT

Test Report #: PT11151101R
 Catalog No: 4RLA G2 06LM 27K 90CRI NFL 120 FRPC WH
 Luminaire Spacing Criteria: 0.42
 Luminaire LPW: 60



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0		2389
5		2105
15		864
25		253
35		79
45		26
55		10
65		6
75		2
85		0
90		0
Multiplier: 3K - 1.03		

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
 Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	44	40	36
5'	28	25	23
6'	20	18	16
7'	16	14	13
8'	13	11	10
9'	10	9	8
10'	7	6	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	544	N/A	85.7
0-40°	595	N/A	93.8
0-60°	626	N/A	98.7
0-90°	634	N/A	100.0

INITIAL FOOTCANDLES

(One Unit: 10.5W, 24.3° Beam)

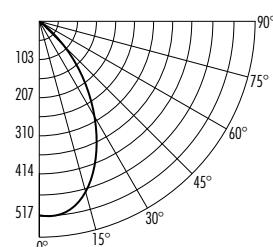
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	149.3	1.7
6'	66.4	2.6
8'	37.3	3.4
10'	23.9	4.3

LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	17578
55°	8505
65°	6215
75°	4531
85°	538

PHOTOMETRIC REPORT

Test Report #: PT10151401R
 Catalog No: 4RLA G2 06LM 27K 90CRI NFL 120 FRPC WH
 Luminaire Spacing Criteria: 1.02
 Luminaire LPW: 62



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0		517
5		513
15		474
25		384
35		228
45		101
55		50
65		21
75		5
85		0
90		0
Multiplier: 3K - 1.03		

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80%, Walls 50%, Floors 20%

Spacing	RCR1	RCR3	RCR5
4'	44	37	31
5'	28	24	20
6'	20	16	14
7'	16	13	11
8'	13	11	9
9'	10	8	7
10'	7	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	356	N/A	54.7
0-40°	498	N/A	76.6
0-60°	623	N/A	95.8
0-90°	650	N/A	100.0

INITIAL FOOTCANDLES

(One Unit: 10.5W, 66.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4'	32.3	5.3
6'	14.4	7.9
8'	8.1	10.5
10'	5.2	13.2

LUMINANCE (Average cd/m²)

Angle in Degrees	Average 0-90°
45°	99567
55°	60770
65°	34529
75°	14162
85°	0