



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

6" IC LED RETROFIT WARMDIM® EYEBALL TRIM

600 LUMEN



J6RLEWDG4N

PRODUCT DESCRIPTION

All-in-one 6" LED Retrofit eyeball trim with patented WarmDim® technology installs into existing 6" incandescent housings with medium base sockets or Juno IC23-LEDT24 and IC23R-LEDT24 quick connect recessed housings

- LED color temperature warms while dimming to emulate the dimming performance of traditional incandescent light sources
- May be used in housings completely covered with insulation
- Adjustable eyeball design allows for 30° vertical adjustment
- Field installable optic accessories available to provide different beam spread options
- Dimmable with most standard incandescent or electronic low voltage dimmers
- Designed to provide 50,000 hours of life
- 5 year limited warranty on LED components.

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 65W BR30 incandescent while consuming 12W

PRODUCT SPECIFICATIONS

LED Retrofit Eyeball Trim Aluminum eyeball trim with white finish

- All-in-one design where LED light engine mounts directly to trim
- Up to 30° vertical adjustment
- Provided with torsion springs as standard
- Accessory kit available for use in housings that do not have torsion spring retaining brackets.

LED Light Engine Proprietary patented micro processor controlled light engine emulates dimming performance of incandescent light source

- Integrated to one piece high purity aluminum, thermally conductive eyeball housing providing uninterrupted heat transfer to ensure long life of the LEDs
- Replaceable light engine mounts directly to eyeball housing
- 3000K color temperature at full lumen output
- 90 CRI minimum throughout dimming range
- Design covered under Patent US 8,710,754.

LED Driver Dedicated 120 volt driver

- Power factor > 0.9
- Dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- For a list of compatible dimmers, see [JUNOICLED-DIM](#).

Optical System Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs

- Efficient system that can produce over 600 lumens while using 12W
- Wide flood distribution shipped as standard with optional optic accessories available and sold separately.

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.

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Qualified

- Certified to the high efficacy requirements of California T24
- Suitable for damp locations
- Union made
- UL and cUL classified for use with 6" incandescent medium base housings and Juno IC23-LEDT24 or IC23R-LEDT24.

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

Product specifications subject to change without notice.

COMPATIBLE HOUSINGS

The J6RLEWDG4 retrofit module is compatible with most 6" recessed housings measuring at least 5-1/4" high with an inside diameter between 6" and 6-3/4". Removal of the housing socket plate or socket mounting bracket may be required in order for the trim to fit properly. If housing does not have torsion spring brackets, the V6RL-TRB accessory is required. Compatible housings include, but not limited to:

Juno housings: IC2 and TC2 Series, IC22 Series, IC23 Series, IC21 Series

Vulite housings: V6IC and V6TC Series

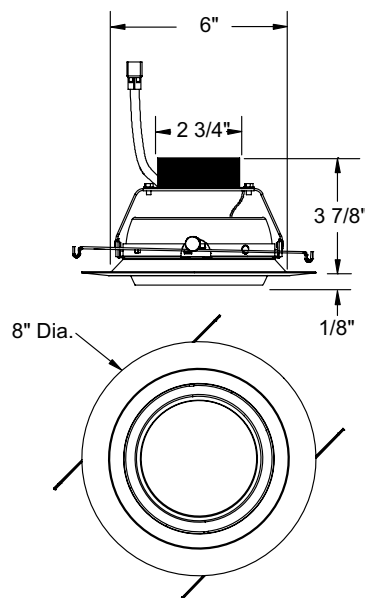
Halo housings: H7 Series

Thomas housings: PS1 and PS3 Series

Capri housings: QL1 Series

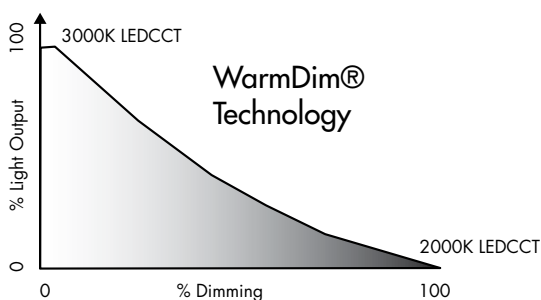
Lithonia housings: L7X and LC6 Series

DIMENSIONS



ELECTRICAL DATA

120V	
Input Power	12W (+/- 5%)
Input Current	0.1A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C



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J6RLEWDG4N
ORDERING INFORMATION: Retrofit and accessories each ordered separately.
Example: **J6RLEWDG4N-3K-6-WH**

Eyeball Retrofit	Color Temperature	Lumen Package	Finish
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
J6RLEWDG4N	3K 3000K	6 600 Lumen	WH White

ACCESSORIES

Catalog No.	Description
LEDOPTICG3-M	Medium Flood Optic (50°)

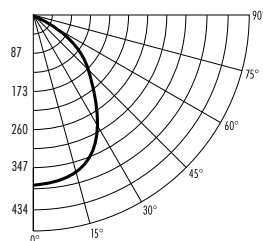
To order, specify catalog number.

PHOTOMETRIC REPORT

Test Report #: PT09141803
Catalog No: J6RLEWDG4N-3K-6-WH
with standard
wide beam optic

Luminaire Spacing Criterion: 1.18

Luminaire LPW: 61



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	374
5	372
15	354
25	316
35	257
45	177
55	99
65	49
75	19
85	2
90	0

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	49	40	32
5.0'	32	25	21
6.0'	22	18	14
7.0'	18	14	12
8.0'	14	11	9
9.0'	11	9	7
10.0'	8	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	280	N/A	38.0
0-40°	440	N/A	59.7
0-60°	666	N/A	90.2
0-90°	738	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 12.1W, 87.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	23.4	7.7'
6	10.4	11.5'
8	5.8	15.3'
10	3.7	19.2'

LUMINANCE (Average cd/m²)

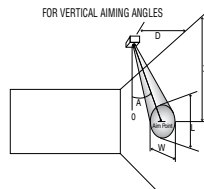
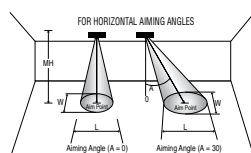
45	26371
55	18291
65	12149
75	7552
85	2182

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

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°).



FOR VERTICAL AIMING ANGLES



Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0°			30°			30°		
					MH	FC	L	W	FC	L	W	D	FC
J6RLEWDG4N-3K-6-WH with Standard Wide Flood Optic	WFL	88°	50000	374	3	42	5.8	5.8	27	11.2	6.7	1	47
					4	23	7.7	7.7	15	14.9	8.9	2	12
					5	15	9.7	9.7	10	18.7	11.2	3	5
					6	10	11.6	11.6	7	22.4	13.4	4	3
					7	8	13.5	13.5	5	26.2	15.6	5	2
J6RLEWDG4N-3K-6-WH with Medium Flood Optic	MFL	66°	50000	494	3	55	3.9	3.9	36	6.0	4.5	1	62
					4	31	5.2	5.2	20	8.1	6.0	2	15
					5	20	6.5	6.5	13	10.1	7.5	3	7
					6	14	7.8	7.8	9	12.1	9.0	4	4
					7	10	9.1	9.1	7	14.1	10.5	5	2

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