



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC91RLEDG4 RECESSED HOUSING

HYPERBOLIC TRIMS



PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral light engine

- Shallow housing allows for fit in 2 x 6 construction
- IC remodel housing for remodel application where back side of ceiling is not accessible
- Installs through an opening in the ceiling from below
- Secured in place by factory installed remodel springs
- Can be completely covered with insulation
- LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims
- 5 year limited warranty on LED components.

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury, RoHS compliant
- Comparable light output to 75W incandescent

PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to high purity aluminum, thermally conductive housing provides superior heat transfer to ensure long life of the LED

- Replaceable light engine mounts directly to housing assembly and incorporates the latest generation, high lumen output LED array
- LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K, or 4100K color temperatures available
- 90 CRI minimum.

Hyperbolic Optical System Patent pending unique hyperbolic reflector shape optimized for small, directional LED source provides unique aperture appearance with reduced brightness

- NMCTM nano mixing chamber (provided with trim) with high reflectance white finish coupled with a high transmission diffusing lens conceals the LED and integrates with the hyperbolic trim to create a low glare, efficient system producing 900 lumens using less than 15W*.

Aesthetic Trim Selections Patent pending hyperbolic reflector available in clear Alzak®, haze, wheat haze, black Alzak® and white

- Shadow free, knife edge design blends seamlessly into ceiling
- Installs with push-in springs.

LED Driver Choice of dedicated 120 volt driver or universal voltage driver that accommodates input voltages from 120-277 volts AC at 50/60Hz

- Power factor > 0.9 at 120V input
- 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers
- For a list of compatible dimmers, see [JUNOICLED-DIM](#)
- Mounted on the j-box for easy access and cool operation.

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

Labels ENERGY STAR® Qualified when used with select trims

- Certified to the high efficacy requirements of California T24 with select trims
- UL listed for U.S. and Canada damp locations
- Union made
- UL and cUL.

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

Product specifications subject to change without notice.

HOUSING FEATURES

Housing Designed for use in IC (insulated ceiling) or non-IC construction

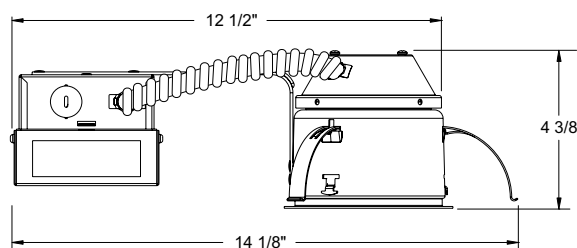
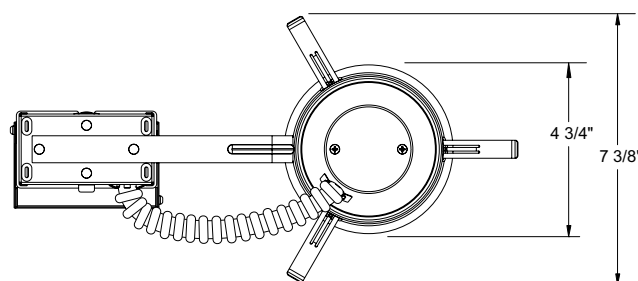
- Aluminum housing sealed for Air-Loc® compliance
- Remodel springs accommodate up to 1 1/2" ceiling thickness.

Junction Box Pre-wired junction box provided with (5) 1/2" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire

- Knockouts equipped with pryout slots
- Quick connect electrical connectors supplied as standard for fast, secure installation.



DIMENSIONS



4 3/8" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver Option

120V	
Input Power	14.9W (+/-5%)
Input Current	0.13A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

ELECTRICAL DATA

Universal Voltage

	120V	277V
Input Power	15.6W (+/-5%)	15.6W (+/-5%)
Input Current	0.14A	0.08A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class A (commercial)	FCC Title 47 CFR, Part 15, Class A (commercial)
Minimum starting temp	-40°C	-40°C

* Nominal input wattage @ 120-volt operation with dedicated 120-volt driver under stable operating conditions.

4" IC 900 LUMEN LED DOWNLIGHT REMODEL


IC91RLEDG4 RECESSED HOUSING HYPERBOLIC TRIMS

ORDERING INFORMATION: Housing and trim each ordered separately.

Example: **IC91RLEDG4-3K-1**

Housing	Color Temperature	Input Voltage
IC91RLEDG4	27K 2700K 3K 3000K 35K 3500K 41K 4100K	1 Dedicated 120V Only (Forward Phase + ELV dimmable) U Universal Voltage, 120-277V (0-10V dimmable)

Example: **17HYP2-HZ-WH**

Trim/Description
 17HYP2-C-WH Clear Alzak® 17HYP2-B-WH¹ Black Alzak® 17HYP2-W-WH White 17HYP2-HZ-WH Haze 17HYP2-WHZ-WH¹ Wheat Haze 17HYP2-WHZ-ABZ¹ Wheat Haze

¹ Not ENERGY STAR® Qualified or T24 certified

Trim Size: 5" O.D.

Trim Finish: ABZ - Classic Aged Bronze, WH - White.

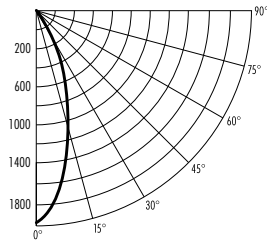
Alzak is a registered trademark of Alcoa Corp.

Note: In Canada when insulation is present, Type IC fixtures must be used.

PHOTOMETRIC REPORT

Test Report #: PT06140404R
Catalog No: IC91LEDG4-35K-1
with 17HYP2-HZ-WH Trim
and standard nano mixing
chamber

Luminaire Spacing Criterion: 0.62
Luminaire LPW: 54



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1873
5	1739
15	1165
25	624
35	62
45	4
55	0
65	0
75	0
85	0
90	0
Multiplier: 27K - 0.89 3K - 0.94 41K - 1.03	

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60"x60" room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	57	51	46
5.0'	36	32	29
6.0'	25	23	20
7.0'	20	18	17
8.0'	16	14	13
9.0'	12	11	10
10.0'	9	8	7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	751	N/A	92.8
0-40°	805	N/A	99.4
0-60°	810	N/A	100.0
0-90°	810	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 15W, 38.3° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	117.1	2.8'
6	52.1	4.2'
8	29.3	5.6'
10	18.7	6.9'

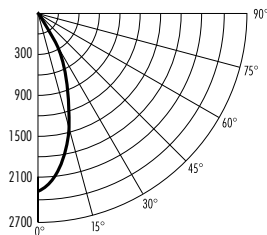
LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	974
55	46
65	0
75	0
85	0

PHOTOMETRIC REPORT

Test Report #: PT06140402R
Catalog No: IC91LEDG4-35K-1
with 17HYP2-C-WH Trim
and standard nano mixing
chamber

Luminaire Spacing Criterion: 0.56
Luminaire LPW: 57



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	2294
5	2054
15	1294
25	618
35	37
45	1
55	0
65	0
75	0
85	0
90	0
Multiplier: 27K - 0.89 3K - 0.94 41K - 1.03	

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60"x60" room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	60	54	49
5.0'	38	34	31
6.0'	27	24	22
7.0'	21	19	18
8.0'	17	15	14
9.0'	13	12	11
10.0'	10	9	8

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	811	N/A	95.0
0-40°	852	N/A	99.9
0-60°	853	N/A	100.0
0-90°	853	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 15W, 34.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	143.4	2.5'
6	63.7	3.7'
8	35.8	4.9'
10	22.9	6.2'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	300
55	0
65	0
75	0
85	0

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.



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