



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • Can be completely covered with insulation • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets • LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims • 5 year warranty.

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 65W BR30 incandescent while consuming less than 14W*



PRODUCT SPECIFICATIONS

LED Light Engine Cast aluminum heat sink integrated directly with housing provides superior thermal management to ensure the long life of the LED • Replaceable light engine mounts directly to heat sink and incorporates the latest generation, high lumen output LED array • LEDs are binned to standards that exceed Energy Star requirements yielding superior fixture to fixture color uniformity • 2700K, 3000K, 3500K, or 4100K color temperatures available • 85 CRI typical.

Optical System Computer-optimized internal reflector with specular finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance • Deep regression of lens produces a low glare, efficient system that can produce over 600 lumens with select trims (see page 2 for details) using less than 14W*.

Aesthetic Trim Selections Compatible with wide selection of existing Juno trims • Shadow free, knife edge design blends seamlessly into ceiling.

LED Driver Universal voltage driver accommodates input voltages from 120 to 277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • Driver has integral protection • Driver is dimmable with the use of most 120V electronic low voltage wall box dimmers • Optional 120 volt only driver available and is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage dimmers • For a list of compatible dimmers see [JUNOLEDG2-DIM](#) • Mounted between the j-box and housing for easy access and cool operation.

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

Labels Energy Star qualified when used with baffle and cone trims • Certified to the high efficiency requirements of California T24-2008 with select trims • UL listed for through-branch wiring, 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 • Housing is vertically adjustable to accommodate up to a 1" ceiling thickness.

Junction Box Pre-wired junction box provided with (5) ½" and (1) ¾" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 8 #12 @120V, 4 #12 @ 277V branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Push-in electrical connectors supplied as standard for fast, secure installation.

Mounting Frame 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

Real Nail 3 Bar Hangers Telescoping Real Nail 3® system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings • Design covered under Patents US5,505,419 and D552,969.

* Nominal input wattage @ 120-volt operation.

REV-4/11

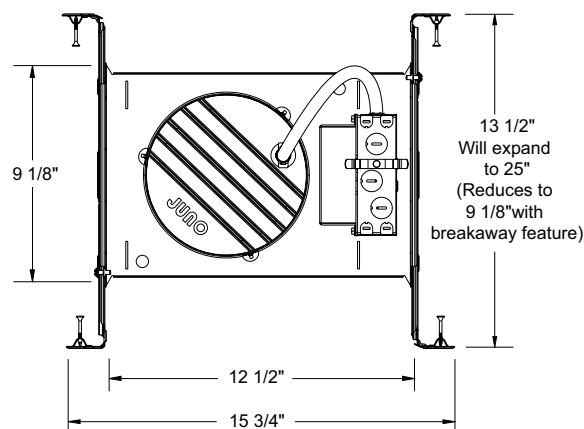
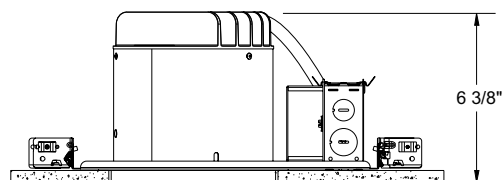
6" IC LED DOWNLIGHT NEW CONSTRUCTION

IC22LEDG2 RECESSED HOUSING

OPEN TRIMS



DIMENSIONS



6 7/8" CEILING CUTOUT

ELECTRICAL DATA

Standard Universal Voltage

	120V	277V
Input Power	14.5W (+/-3.5%)	15.5W (+/-3.5%)
Input Current - Max	0.125A	0.058A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 18, Class B (consumer)	FCC Title 47 CFR, Part 18, Class B (consumer)
Minimum starting temp	-30°C	-30°C

ELECTRICAL DATA

Dedicated 120V Only Driver Option

	120V
Input Power	14.5W (+/-3.5%)
Input Current - Max	0.125A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 18, Class B (consumer)
Minimum starting temp	-20°C

6" IC LED DOWNLIGHT NEW CONSTRUCTION

IC22LEDG2 RECESSED HOUSING


















OPEN TRIMS

ORDERING INFORMATION: Housing, trim and accessories each ordered separately.

Example: **IC22LEDG2-3K**

Housing	Color Temperature	Option
IC22LEDG2	27K 2700K	(blank) Universal
IC22SLEDG2	3K 3000K	Voltage
Smaller footprint	35K 3500K	Dedicated
bar hangers	41K 4100K	120V Only
(Real Nail® 2)		

Example: **24W-WH**

Trim/Description	
	24W-WH Conical White Baffle
	24B-WH Conical Black Baffle
	24B-SC Conical Black Baffle
	24B-ABZ Conical Black Baffle
	24B-BL Conical Black Baffle
	27C-WH Conical Cone in Clear Alzak®
	27G-WH Conical Cone in Gold Alzak®
	27B-WH Conical Cone in Black Alzak®
	27PT-SC Conical Cone in Pewter Alzak®
	27W-WH Conical Cone in Gloss White
	27HZ-WH Conical Cone in Haze
	27WHZ-WH Conical Cone in Wheat Haze
	27WHZ-ABZ Conical Cone in Wheat Haze
	9024W-WH White Octagonal w/ White Baffle
	9324-SC Luminous Disc (Frosted)
	9524-SC Chrome Band
	9702 Luminous Collar (Frosted)

¹ T24 @ 35K, 41K only

² T24 @ 3K, 35K, 41K only

Trim Size: 24, 27, 9324, 9524 - 7 7/8" O.D.; 9702 - 7 3/4" O.D.; 9024 - 8" O.D.

Trim Finish: ABZ - Classic Aged Bronze, BL - Black, SC - Satin Chrome, WH - White.

Alzak is a registered trademark of Alcoa Corp.

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

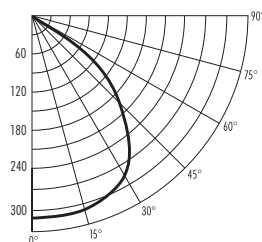
PHOTOMETRIC REPORT

Test Report #: LTL21030

Catalog No: IC22LEDG2-35K
with 24W-WH Trim

Luminaire Spacing Criterion: 1.28

Luminaire LPW: 45.7



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	322
5	320
15	314
25	298
35	259
45	196
55	75
65	17
75	8
85	2
90	0
Multiplier: 27K - 0.88	
3K - 0.96	
41K - 1.05	

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	47	40	34
5.0'	30	26	22
6.0'	21	18	15
7.0'	17	14	12
8.0'	13	11	10
9.0'	10	9	7
10.0'	7	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	256	N/A	38.5
0-40°	419	N/A	62.8
0-60°	638	N/A	95.7
0-90°	666	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 14.5W, 96.4° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	20.1	8.9'
6	8.9	13.4'
8	5.0	17.9'
10	3.2	22.4'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	17321
55	8122
65	2461
75	1863
85	1669

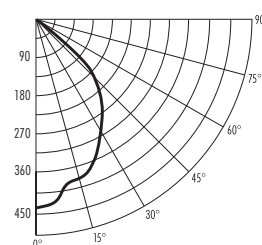
PHOTOMETRIC REPORT

Test Report #: LTL21031

Catalog No: IC22LEDG2-35K
with 27C-WH Trim

Luminaire Spacing Criterion: 1.07

Luminaire LPW: 47.8



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	439
5	418
15	382
25	339
35	275
45	193
55	74
65	8
75	0
85	0
90	0
Multiplier: 27K - 0.88	
3K - 0.96	
41K - 1.05	

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	49	42	36
5.0'	31	27	23
6.0'	22	19	16
7.0'	18	15	13
8.0'	14	12	10
9.0'	11	9	8
10.0'	8	7	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	301	N/A	43.3
0-40°	473	N/A	68.0
0-60°	687	N/A	98.6
0-90°	696	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 14.5W, 84.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	27.4	7.3'
6	12.2	10.9'
8	6.9	14.6'
10	4.4	18.2'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	16992
55	8082
65	1221
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.



1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925

220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064

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