



Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# 5" IC 1400 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1420LEDG4 RECESSED HOUSING  
**WALL WASH TRIM**

## PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • Housing allows for fit in 2 x 8 construction • 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 limited warranty on LED components.

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 120W PAR38, BR40 incandescent or compact fluorescent

## PRODUCT SPECIFICATIONS

**LED Light Engine** LED array integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LED

- Replaceable light engine mounts directly to housing 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.

**Optical System** Painted white scoop is designed to work with computer-optimized reflector design to direct light toward wall for uniform illumination on vertical surfaces while concealing LED optic assembly and minimizing glare • LEDs are concealed by high transmission diffusing lens • Retention bar holds scoop assembly to trim • White or black baffle available.

**Aesthetic Trim Selections** Low profile scoop wall wash trim

- Shadow free, knife edge design blends seamlessly into ceiling.

**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](#)

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

**Labels** UL listed for U.S. and Canada, through-branch wiring and 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 2" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (6) 1/2" and (1) 3/4" 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 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

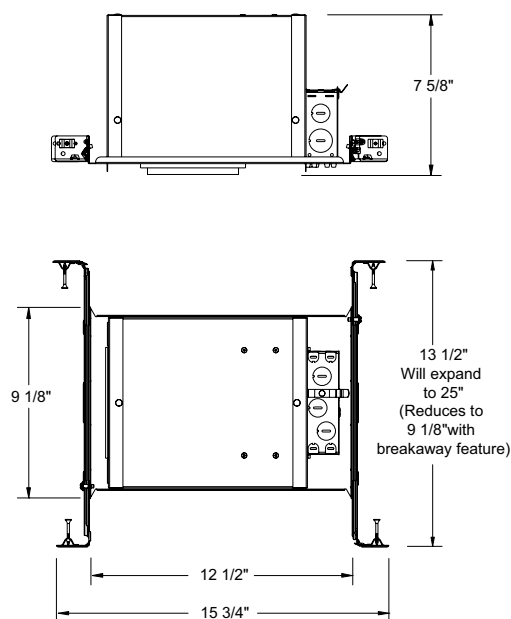
**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame

- Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

**Real Nail 3 Bar Hangers** Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping 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.



## DIMENSIONS



5 5/8" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver Option

120V	
Input Power	20.3W (+/-5%)
Input Current	0.17A
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	20.3W (+/-5%)	20.8W (+/-5%)
Input Current	0.17A	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

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IC1420LEDG4 RECESSED HOUSING

## WALL WASH TRIM

**ORDERING INFORMATION:** Housing and trim each ordered separately.

Example: IC1420LEDG4-3K-1

Housing	Color Temperature	Input Voltage
IC1420LEDG4	<b>27K</b> 2700K <b>3K</b> 3000K <b>35K</b> 3500K <b>41K</b> 4100K	<b>1</b> Dedicated 120V Only (Forward Phase + ELV dimmable)  <b>U</b> Universal Voltage, 120-277V (0-10V dimmable)

Example: 213G3W-WH


**213G3W-WH** Scoop Wall Wash  
with White Baffle

**213G3B-WH** Scoop Wall Wash  
with Black Baffle

 Trim Size: 6 1/4" O.D.  
 Trim Finish: WH - White.

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

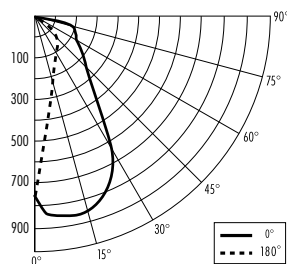
### PHOTOMETRIC REPORT

Test Report #: PT10112701R

Catalog No: IC1420LEDG4-35K

with 213G3W-WH Trim

Luminaire Spacing Criterion @ 90°: 1.00

 Luminaire: 5" IC LEDG4 Downlight,  
Scoop Type Wall Wash Trim


### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0° Wall Wash	180° Downlight
0	782	782
5	865	557
10	887	329
15	879	227
20	837	179
25	760	145
30	646	114
35	484	91
40	331	72
45	252	59
50	207	53
55	179	43
60	159	33
65	138	22
70	119	14
75	86	3
80	53	0
85	31	0
90	0	0

Multiplier: 27K - 0.90, 3K - 0.97, 41K - 1.04

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	456	N/A	47.1
0 - 40°	641	N/A	66.3
0 - 60°	851	N/A	88.0
0 - 90°	967	N/A	100.0
90 - 180°	0	N/A	0
0 - 180°	967	N/A	100.0

### LUMINANCE (Average cd/m²)

Degrees	Average 180° Downlight Luminance
45	28013
55	24600
65	25682
75	26210
85	28020

### FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Fixture Distance to Wall		2'						3'					
Fixture Centers (spacing)		2'			3'			3'			4'		
DISTANCE FROM CEILING	1'	32	31	32	25	19	25	12	12	12	10	9	10
	2'	43	42	43	32	27	32	20	20	20	17	14	17
	3'	43	43	43	32	27	32	21	20	21	17	15	17
	4'	40	41	40	29	28	29	21	21	21	17	15	17
	5'	33	34	33	23	24	23	21	21	21	15	16	15
	6'	27	27	27	19	19	19	19	20	19	14	14	14
	7'	21	21	21	16	16	16	18	18	18	12	12	12
	8'	17	17	17	13	13	13	15	16	15	10	10	10
	9'	13	14	13	10	11	10	13	13	13	8	8	8

\*For 213G3B-WH trim, use 0.84 multiplier.

\*Note: Multipliers are provided for estimating purposes only. Use IES photometric files for precise photometric information.


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