

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

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

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

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

# 6" IC 1400 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

## IC1422LEDG4 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 32W 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

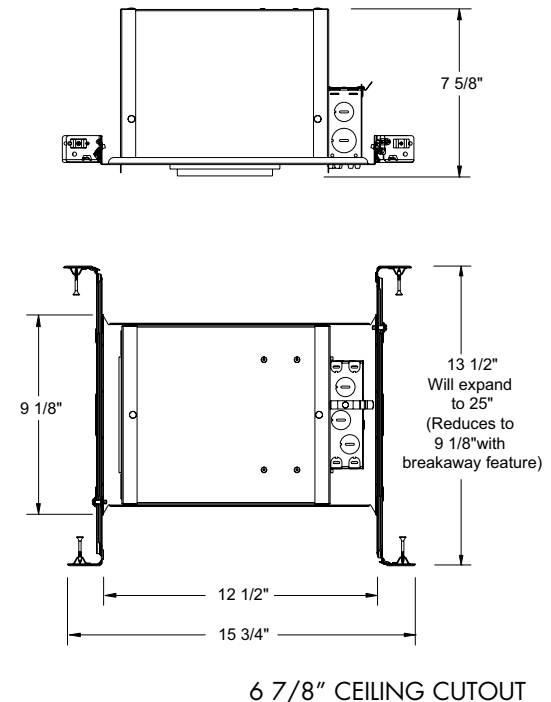
- Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

**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



### 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<br>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<br>Class A (commercial) | FCC Title 47 CFR, Part 15<br>Class A (commercial) |
| Minimum starting temp | -40°C   | -40°C   |

# 6" IC 1400 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

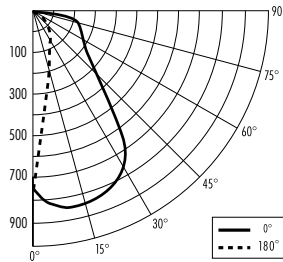
## IC1422LEDG4 RECESSED HOUSING WALL WASH TRIM

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

|                                  |   |  |  |  |
|----------------------------------|---|--|--|--|
| Example: <b>IC1422LEDG4-3K-1</b> |   |  | Example: <b>262G3W-WH</b>  |  |
| <b>Housing</b>                   | <b>Color Temperature</b>                        | <b>Input Voltage</b>   | <b>Trim/Description</b>  |  |
| IC1422LEDG4                      | 27K 2700K<br>3K 3000K<br>35K 3500K<br>41K 4100K | 1 Dedicated 120V Only (Forward Phase + ELV dimmable)<br><br>U Universal Voltage, 120-277V (0-10V dimmable) |  <b>262G3W-WH</b> Scoop Wall Wash with White Baffle<br> <b>262G3B-WH</b> Scoop Wall Wash with Black Baffle |  |
|                                  |   |  | Trim Size: 7 5/8" O.D.<br>Trim Finish: WH - White.   |  |
|                                  |   |  | Note: In Canada when insulation is present, Type IC fixtures must be used.   |  |

**PHOTOMETRIC REPORT**

Test Report #: PT10112004R  
 Catalog No: IC1422LEDG4-35K  
 with 262G3W-WH Trim  
 Luminaire Spacing Criterion @ 90°: 1.06  
 Luminaire: 6" IC LEDG4 Downlight,  
 Scoop Type Wall Wash Trim



**CANDLEPOWER DISTRIBUTION (Candelas)**

| Degrees Vertical | 0° Wall Wash | 180° Downlight |
|------------------|--------------|----------------|
| 0                | 756          | 756            |
| 5                | 836          | 519            |
| 10               | 877          | 300            |
| 15               | 868          | 191            |
| 20               | 840          | 144            |
| 25               | 819          | 110            |
| 30               | 756          | 84             |
| 35               | 645          | 64             |
| 40               | 494          | 51             |
| 45               | 344          | 49             |
| 50               | 251          | 47             |
| 55               | 203          | 40             |
| 60               | 174          | 33             |
| 65               | 153          | 23             |
| 70               | 140          | 11             |
| 75               | 121          | 0              |
| 80               | 82           | 0              |
| 85               | 49           | 0              |
| 90               | 5            | 5              |

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

**ZONAL LUMEN SUMMARY**

| Zone      | Lumens | %Lamp | %Fixture |
|-----------|--------|-------|----------|
| 0 - 30°   | 453    | N/A   | 43.6     |
| 0 - 40°   | 673    | N/A   | 64.7     |
| 0 - 60°   | 911    | N/A   | 87.5     |
| 0 - 90°   | 1041   | N/A   | 100.0    |
| 90 - 180° | 0      | N/A   | 0        |
| 0 - 180°  | 1041   | N/A   | 100.0    |

**LUMINANCE (Average cd/m²)**

| Degrees | Average 180° Downlight Luminance |
|---------|----------------------------------|
| 45      | 26613                            |
| 55      | 19417                            |
| 65      | 19765                            |
| 75      | 25596                            |
| 85      | 30844                            |

**FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES**

| Fixture Distance to Wall | 2' |    |    |    |    |    | 3' |    |    |    |    |    |
|--------------------------|----|----|----|----|----|----|----|----|----|----|----|----|
|                          | 2' |    |    | 3' |    |    | 3' |    |    | 4' |    |    |
| 1'                       | 39 | 37 | 39 | 30 | 22 | 30 | 16 | 15 | 16 | 14 | 11 | 14 |
| 2'                       | 49 | 48 | 49 | 37 | 30 | 37 | 22 | 22 | 22 | 19 | 16 | 19 |
| 3'                       | 57 | 56 | 57 | 42 | 36 | 42 | 24 | 23 | 24 | 20 | 17 | 20 |
| 4'                       | 50 | 50 | 50 | 34 | 35 | 34 | 27 | 26 | 27 | 22 | 19 | 22 |
| 5'                       | 39 | 39 | 39 | 27 | 27 | 27 | 26 | 27 | 26 | 20 | 20 | 20 |
| 6'                       | 29 | 30 | 29 | 21 | 21 | 21 | 23 | 24 | 23 | 18 | 19 | 18 |
| 7'                       | 23 | 23 | 23 | 17 | 17 | 17 | 20 | 20 | 20 | 16 | 16 | 16 |
| 8'                       | 18 | 19 | 18 | 14 | 14 | 14 | 17 | 17 | 17 | 13 | 14 | 13 |
| 9'                       | 14 | 14 | 14 | 11 | 11 | 11 | 14 | 14 | 14 | 11 | 11 | 11 |

\*For 262G3B-WH trim, use 0.90 multiplier.

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

