



Collection of specification grade downlights for architectural applications. Excellent build quality with features for the most demanding professional applications. Title 24 - JA8 versions available in two sizes 3", 4" aperture with generous light outputs and excellent chromatic performance. Professional optics available with general downlight or directional distribution.

**Luminaire characteristic:**

**Power input:** 9.5W or 13W  
**Lumens:** 470lm to 705lm (for 3000K, 90CRI)  
**Luminaire efficacy:** Up to 54lm/W

**Source:** COB LED module (LM-80)  
 2700K: 90CRI,  
 3000K: 90CRI,  
 3500K: 90CRI.  
**Lumen maintenance:** LM79,  
 90% of initial lumens at 50 000 hours (L90)(LM-79),  
 80% of initial lumens at 100 000 hours (L80)(LM-79).

**Optic:** Adjustable deep recessed reflector available with narrow flood or flood optic. Optical assembly hot aiming adjustment: 30° tilt and 359°pan.

**Material:** Body: Die-cast aluminum optical assembly  
 Reflector: Metalized polycarbonate  
 Baffle: Painted polycarbonate

**Mounting:** New construction with housing for insulated ceiling, chicago plenum and airtight applications.

**Electrical:** Integral high efficiency power supply rated at 50 000 hours, 120V or 277V.

**Dimming:** Compatible with 0-10V or leading and trailing edge dimming, down to 5%.

**Finish:** Powder coated body and baffle. (page 2)

**Weight:** 2.15lbs (0.98kg).

**Warranty:** 5 year limited warranty.

**Rating:** IP54

**Certification:** cULus listed for damp location. Interior use only.



Title 24-JA8-2019 high efficiency luminaire. Airtight luminaire less than 2 cfm leakage @1.57PSI per ASTM E283.

To confirm which versions are certified, please consult the "Appliance Advanced Search" option at the following address : <https://cacertappliances.energy.ca.gov>



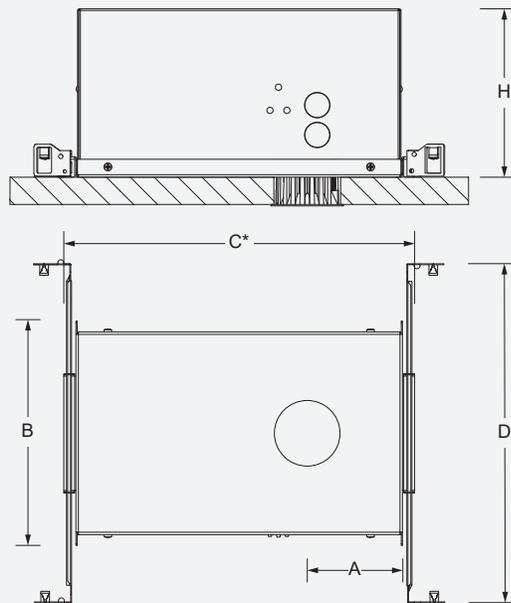
**INSTALLATION OPTIONS**

**New construction with airtight (AT) housing.**

Housing with hanger bars system for new construction installations.  
 Suitable for insulated ceiling ,chicago plenum and airtight applications.  
 Housing can be shipped separately.

**Ceiling thickness:** 1/8" - 1" (3 - 27mm)

**Total weight:** 10.25lb (4.65kg)



\*Provide a minimum of 1/8" (46mm) on each side for the hanger bar fixations

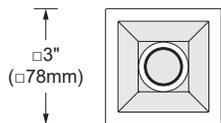
| Model | Housing          | Cut-out dimensions          | Cut-out position (A) | Overall dimensions (BxC)              | Hanger bars (D)              | Clearance (H)  |
|-------|------------------|-----------------------------|----------------------|---------------------------------------|------------------------------|----------------|
| LOG3R | BI-LOG3RT-AT-XXX | Ø2 3/4" (Ø 71mm)            | 4" (101mm)           | 10 7/16" x 14 13/16"<br>(239 x 373mm) | 15" to 26"<br>(381 to 660mm) | 7 1/4" (183mm) |
|       | BI-LOG3RL-AT-XXX | Ø2 7/8" (Ø 73mm)            |                      |                                       |                              |                |
| LOG3S | BI-LOG3ST-AT-XXX | 2 5/8" x 2 5/8" (69 x 69mm) |                      |                                       |                              |                |
|       | BI-LOG3SL-AT-XXX | 2 3/4" x 2 3/4" (71 x 71mm) |                      |                                       |                              |                |

**DIMENSIONS**

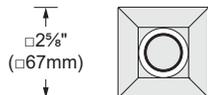
**SQUARE TRIM MODEL**



**ADJUSTABLE**



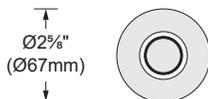
**SQUARE TRIMLESS MODEL**



**ROUND TRIM MODEL**

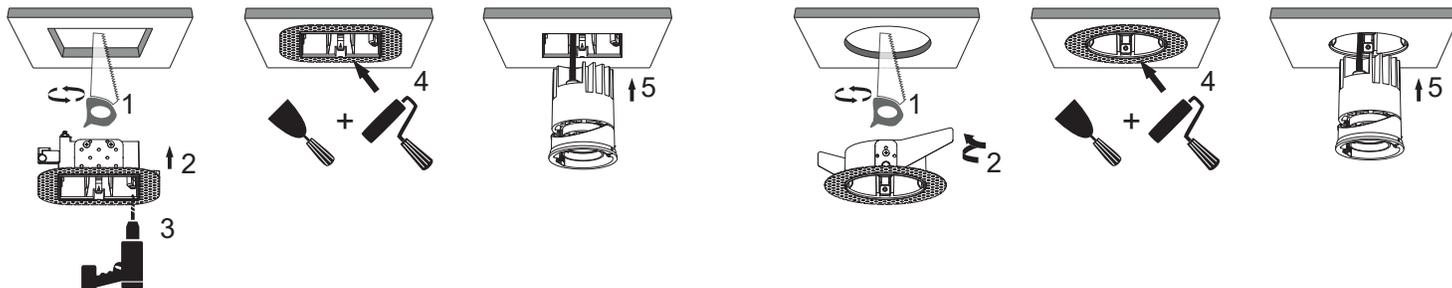


**ROUND TRIMLESS MODEL**



**TRIMLESS FRAME KIT**

**Trimless frame kit** to be fastened to the gypsum board. The assembly is then finished by plastering, sanding and painting. Install the luminaire inside the opening once painting is completed. The kit is sold separately for retrofit installation or supplied with the plaster frame or the housing for new construction installations.



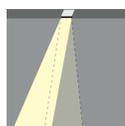
**LED COLOR FIDELITY DATA**

| CRI | CCT   | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | Rf | Rg | Melanopic ratio |
|-----|-------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|-----------------|
| 90  | 2700K | 94 | 98 | 99 | 94 | 95 | 98 | 91 | 82 | 61 | 95  | 96  | 88  | 96  | 99  | -   | 93 | 99 | 0.497           |
|     | 3000K | 94 | 97 | 99 | 94 | 94 | 96 | 93 | 83 | 62 | 92  | 95  | 84  | 95  | 99  | -   | 93 | 99 | 0.563           |
|     | 3500K | 93 | 96 | 98 | 93 | 93 | 95 | 93 | 84 | 62 | 90  | 94  | 78  | 94  | 98  | -   | 92 | 98 | 0.642           |

**PHOTOMETRIC DATA**

Visit [sistemalux.com](http://sistemalux.com) for complete photometric data.

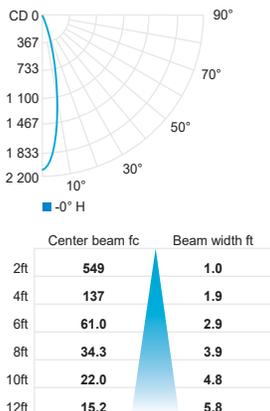
**ADJUSTABLE**



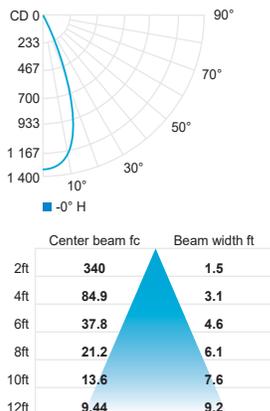
| CCT (K) | CRI | OUTPUT | LOAD (W) | OPTIC            | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODELS    |
|---------|-----|--------|----------|------------------|-------------|-------------------|------------------|-----------|
| 3000K   | 90  | BO     | 9.5W     | Narrow flood 25° | 470         | 49                | 1 595            | B-930-ANF |
|         |     |        |          | Flood 42°        | 510         | 53                | 990              | B-930-AFL |
|         |     | HO     | 13W      | Narrow flood 25° | 645         | 49                | 2 195            | H-930-ANF |
|         |     |        |          | Flood 42°        | 705         | 54                | 1 355            | H-930-AFL |

\*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

HO narrow flood 25° (3000K, 90CRI)



HO flood 42° (3000K, 90CRI)



|                   |             |          |             |
|-------------------|-------------|----------|-------------|
| CCT options       | 2700K       | 3000K    | 3500K       |
| CRI options       | 90CRI       | 90CRI    | 90CRI       |
| <b>Multiplier</b> | <b>0.95</b> | <b>1</b> | <b>1.02</b> |