



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:** 11W, 15W or 20.5W  
**Lumens:** 620lm to 1180lm (for 3000K, 90CRI)  
**Luminaire efficacy:** Up to 57lm/W

**Source:** COB LED module (LM-80)  
 2700K: 90CRI,  
 3000K: 90CRI,  
 3500K: 90CRI,

**Lumen maintenance:** 90% of initial lumens at 50 000 hours (L90) (LM-79),  
 80% of initial lumens at 100 000 hours (L80) (LM-79).

**Optic:** **Fixed:** Deep recessed reflector available with spot or flood optic.  
**Adjustable:** Deep recessed reflector available with spot 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 (page 3).

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

**Dimming:** 0-10V (120-277V), down to 1%.

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

**Weight:** 2.55lbs (1.16kg).

**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>



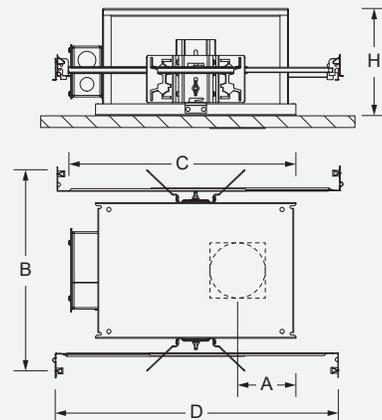
**INSTALLATION**

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

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

**Ceiling thickness:** 1/8" to 7/8" (3mm - 22mm)

**Total weight:** 10.2lbs (4.63kg)



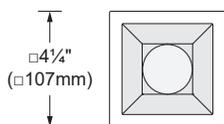
Model	Plaster frame	Cut-out dimensions	Cut-out position (A)	Overall dimensions (BxC)	Hanger bars (D)	Clearance (H)
LOG4R	BI-LOG4RT-AT-XXX	Ø4" (Ø100mm)	3 3/4" (95mm)	12 3/4" x 14 3/8" (324 x 365mm)	14 1/4" to 26" (362 to 660mm)	6 5/8" (175mm)
LOG4S	BI-LOG4ST-AT-XXX	3 3/8" x 3 3/8" (97 x 97mm)				

**DIMENSIONS**

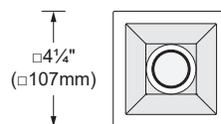
**SQUARE TRIM MODEL**



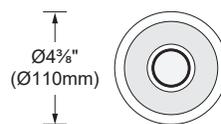
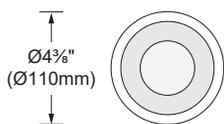
**FIXED**



**ADJUSTABLE**

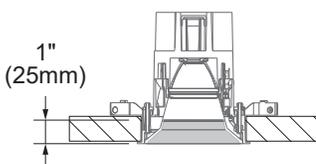


**ROUND TRIM MODEL**

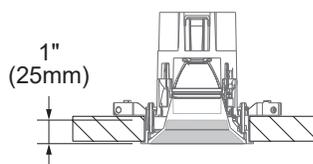


**BAFFLE DEPTH**

**FIXED**



**ADJUSTABLE**

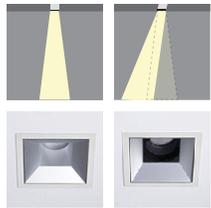


**LED COLOR FIDELITY DATA**

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
97	2700K	100	99	96	98	99	98	98	96	90	96	97	89	100	96	-	96	101	0.497
	3000K	99	98	95	98	98	97	98	97	90	93	97	84	99	96	-	95	101	0.563

**PHOTOMETRIC DATA**

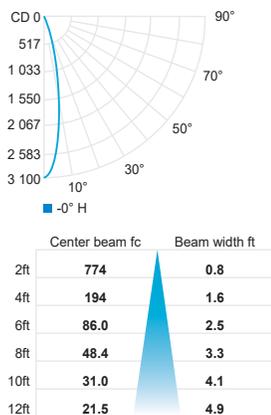
FIXED / ADJUSTABLE



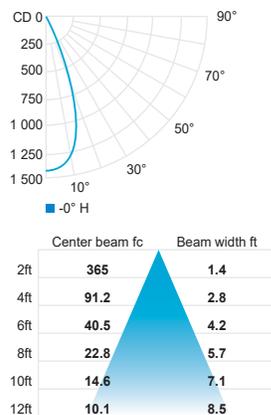
CCT (K)*	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	HE	11W	Spot 23°	620	56	3 095	E-930-FSP/ASP
				Flood 39°	625	56	1 455	E-930-FFL/AFL
		BO	15W	Spot 23°	845	56	4 225	B-930-FSP/ASP
				Flood 39°	855	57	1 990	B-930-FFL/AFL
		HO	20.5W	Spot 23°	1 165	56	5 830	H-930-FSP/ASP
				Flood 39°	1 180	57	2 745	H-930-FFL/AFL

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

HO spot 23° (3000K, 90CRI)



HO flood 39° (3000K, 90CRI)



CCT options	2700K	3000K	3500K
CRI options	90CRI	90CRI	90CRI
<b>Multiplier</b>	<b>0.96</b>	<b>1</b>	<b>1.01</b>