

# HOUSING: **804-I.C.** LAMP MODULE: **J2-ADJUSTABLE | LED**

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # <b>804 / J2</b> - - - / - /	



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## PRODUCT FEATURES

### HOUSING

- **804** IC-Rated for direct contact with standard or spray-foam thermal insulation with a max combined R-Value of R49 (may also be installed in Non-IC applications). Meets Washington State Airtight Standard WAC 51-11-0502 and in accordance with ASTM E283 to reduce energy loss. CCEA plenum rated for City of Chicago environmental air spaces.
- Accepts **J2**, **K2**, **L2**, and **M2** LED Lamp Modules and all **800 Series** Trim Assemblies. Note: Minimum 6" ceiling space required when used with **INSET** and **BEVEL** Series Trim Assemblies.
- Includes bar hangers (for joist mounting) standard.

### Lamp Module

- **J2** Fully adjustable lamp module features patented tool-free adjustment mechanism optimized for true 0-45° vertical and 360° horizontal adjustment. Use for adjustable accent, wall wash\*, and general lighting applications.
- Field interchangeable optic options include: 15°, 25°, and 40°.

\*For wall washing, specify 40° optic option and **WW-8** wall wash accessory with FS/FR or FLS/FLR (1.75" aperture) **800 Series** trims.

### LED Options

- **HI** 3000K 92+ CRI White LED. Minimum 2-Step color binning.
- **WD** 3000-1800K 97+ CRI Warm Dim LED. Minimum 3-Step color binning.

### Optical Accessories (Optional)\*

- Field interchangeable color filtering lenses include: **CF24**-2400°K, **CF27**-2700°K, & **CF35**-3500°K.
- Field interchangeable beam enhancing lenses\*\* include: **NSP**-Narrow Softening, **NFL**-Medium Softening, **FL**-Wide Softening, **WFL**-Extra Wide Softening, and **LS**-Linear Spread.

\*Up to two optical accessories can be accommodated. \*\* See Page 2 for details.

### Dimming Options

- **DIM1-8** Phase dimming LED driver with 120v/60Hz input. Dimmable to 1% using compatible Forward or Reverse-Phase dimmers.
- **DIM2-8** 0-10v LED dimming driver with 120-277v/60Hz input. Dimmable to 1% using compatible 0-10v dimmers.
- **PR1-8** Premium phase dimming LED driver with 120v/60Hz input. Dimmable to 0.1% using compatible Forward or Reverse-Phase dimmers.
- **EL1-8** EldoLED 0-10v LED dimming driver with 120-277v/60Hz input. Dimmable to 1% using compatible 0-10v dimmers.
- **EL2-8** EldoLED DALI LED dimming driver with 120-277v/60Hz input. Dimmable to 1% using DALI compatible dimmers.
- **LU1-8** Lutron Hi-lume 1% 2-wire LED driver (120v Forward Phase only). 120v/60Hz input.
- **LU2-8** Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black. 120-277v/60Hz input.
- **LU4-8** Lutron Hi-lume 0.1% EcoSystem LED driver with Soft-on, Fade-to-Black. 120-277v/60Hz input.

For complete list of compatible dimmers, see [8lighting.com/resources-downloads](http://8lighting.com/resources-downloads)

### Output\*

- **700** Low output. Delivers up to 660 lumens at 9.5 watts.
- **1000** Standard output. Delivers up to 950 lumens at 15 watts.
- **1000-WD** Standard output - Warm Dimming. Delivers up to 880 lumens at 14.3 watts.
- **1400** High output. Delivers up to 1120 lumens at 20.5 watts.

\*Output may vary depending on trim type and optical accessories used.

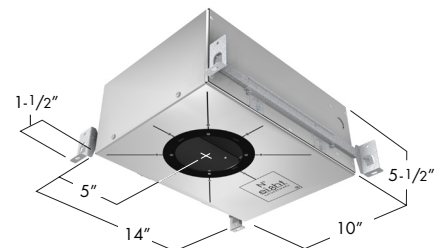
For photometric files in PDF and IES formats, see [8lighting.com/800-series-photometry](http://8lighting.com/800-series-photometry)

### Mounting Accessories (Optional)

- **TBC** T-Bar mounting clips (set of four)
- **PMB** panel mount brackets (set of two)

For low and standard output options, ambient temperatures in ceiling space should not exceed 40°C (104°F) during normal operation. For high output options, ambient temperatures should not exceed 25°C (77°F).

**JA8-2016 CA Title 24 Compliant** except with dimming option **EL2-8**.



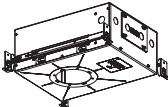

**804 - I.C. HOUSING**



**J2 - LED ADJUSTABLE**

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

**804** / **J2** - - - - - / - - - - - /

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES (Optional)
 <p><b>804</b> New Construction – AIRTIGHT-I.C. 10"W* x 14"L* x 5 1/2"H Accepts All No. 8 Lighting LED Lamp Modules *Add 3" to length or width to accommodate bar hangers</p>	 <p><b>J2</b> 45° tilt, full 360° rotation with tool-less locking vertical and horizontal adjustment</p>	<p><b>HI</b> 3000K White LED <b>WD*</b> 3000-1800K Warm Dim LED *Available in standard output only</p>	<p><b>15</b> 15° Narrow Spot <b>25</b> 25° Narrow Flood <b>40</b> 40° Flood</p>	<p><b>NSP</b> Narrow Softening Lens <b>NFL</b> Medium Softening Lens <b>FL</b> Wide Softening Lens <b>WFL</b> Extra Wide Softening Lens <b>LS</b> Linear Spread Lens <b>CF24</b> 2400°K Color Filtering Lens <b>CF27</b> 2700°K Color Filtering Lens <b>CF35</b> 3500°K Color Filtering Lens</p>	<p><b>DIM1-8</b> Forward or Reverse-Phase 1% Dimming <b>DIM2-8</b> 0-10v 1% Dimming <b>PR1-8*</b> Premium Forward or Reverse-Phase 0.1% Dimming <b>EL1-8</b> EldoLED 0-10v 1% Dimming <b>EL2-8</b> EldoLED DALI 1% Dimming <b>LU1-8</b> Lutron Hi-Lume Forward-Phase 1% Dimming <b>LU2-8</b> Lutron Hi-Lume Eco System 1% Dimming <b>LU4-8</b> Lutron 0.1% EcoSystem Dimming *Not available with WD option</p>	<p><b>700</b> Low output <b>1000</b> Standard output <b>1000-WD</b> Standard output – Warm Dimming <b>1400*</b> High output *Not available w/ LU2-8 or LU4-8 dimming options</p>	<p><b>TBC</b> T-BAR MOUNTING CLIPS (Set of four) <b>PMB</b> PANEL MOUNTING BRACKETS (Set of two)</p>

One field interchangeable optic option included standard. Up to two additional optical accessories can be accommodated.  
Bar hangers (for joist mounting) are included standard. Optional mounting accessories shipped separately.  
**Warranty:** All No. 8 Lighting products are warranted for 5 years.

OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

OPTICAL OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
	+ NSP	+ NFL	+ FL	+ WFL	+ LS
15° Spot	20°	27°	42°	61°	19 x 47°
25° Narrow Flood	27°	34°	47°	67°	26 x 52°
40° Flood	41°	42°	56°	68°	36 x 57°

\*Beam enhancing lens used in combination with 15°, 25°, or 40° optic to achieve desired beam spread

804/J2 PERFORMANCE SUMMARY

LED	Output	CCT	CRI	Delivered Lumens	System Wattage	Delivered LPW	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
HI	700	3000	92+	470-660	9.5	50-70	93.6	96.8	99.2	94.0	93.3	96.8	92.7	82.4	60.1	91.8	95.5	83.4	94.5	98.8
HI	1000	3000	92+	715-950	15	48-63	92.9	97.0	99.0	92.7	92.8	96.6	91.4	80.6	57.3	92.1	93.8	84.7	94.1	99.2
WD	1000-WD	3000-1800	97+	603-881	14.3	42-62	99.2	99.4	96.4	99.0	98.7	97.2	97.6	96.1	91.1	96.8	97.3	82.4	99.5	96.9
HI	1400	3000	92+	803-1117	20.5	39-55	92.1	96.7	98.8	91.7	92.0	96.4	90.7	79.0	54.0	91.6	92.7	83.9	93.5	99.5

**804/J2 CONE OF LIGHT DIAGRAMS**

