

HOUSING: **804-I.C.** LAMP MODULE: **K2-FIXED POSITION** | LED

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # 804 / K2 - - - / - /	



eight
LIGHTING

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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

- **K2** Fixed position lamp module. Use for general lighting applications.
- Field interchangeable optic options include: 15°, 25°, and 40°.

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** EidoLED 0-10v LED dimming driver with 120-277v/60Hz input. Dimmable to 1% using compatible 0-10v dimmers.
- **EL2-8** EidoLED 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

Output*

- **700** Low output. Delivers up to 690 lumens at 9.3 watts.
- **1000** Standard output. Delivers up to 1050 lumens at 15 watts.
- **1000-WD** Standard output - Warm Dimming. Delivers up to 900 lumens at 14.5 watts.
- **1400** High output. Delivers up to 1140 lumens at 20.3 watts.

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

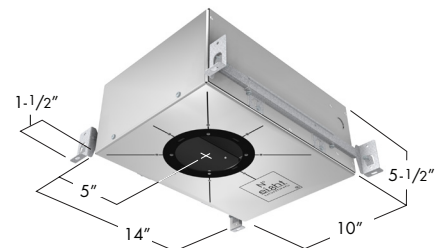
For photometric files in PDF and IES formats, see 8lighting.com/800-series-photometry

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**.



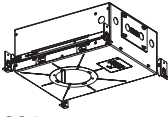

804 - I.C. HOUSING



K2 - LED FIXED POSITION

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

804 / **K2** - - - - - / - - - - - /

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES (Optional)
 <p>804 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>LED FIXED POSITION</p>  <p>K2</p>	<p>HI 3000K White LED WD* 3000-1800K Warm Dim LED *Available in standard output only</p>	<p>15 15° Narrow Spot 25 25° Narrow Flood 40 40° Flood</p>	<p>NSP Narrow Softening Lens NFL Medium Softening Lens FL Wide Softening Lens WFL Extra Wide Softening Lens LS Linear Spread Lens CF24 2400°K Color Filtering Lens CF27 2700°K Color Filtering Lens CF35 3500°K Color Filtering Lens</p>	<p>DIM1-8 Forward or Reverse-Phase 1% Dimming DIM2-8 0-10v 1% Dimming PR1-8* Premium Forward or Reverse-Phase 0.1% Dimming EL1-8 EldoLED 0-10v 1% Dimming EL2-8 EldoLED DALI 1% Dimming LU1-8 Lutron Hi-Lume Forward-Phase 1% Dimming LU2-8 Lutron Hi-Lume Eco System 1% Dimming LU4-8 Lutron 0.1% EcoSystem Dimming *Not available with WD option</p>	<p>700 Low output 1000 Standard output 1000-WD Standard output - Warm Dimming 1400* High output. *Not available w/ LU2-8 or LU4-8 dimming options</p>	<p>TBC T-BAR MOUNTING CLIPS (Set of four) PMB 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/K2 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+	550-689	9.3	59-74	93.9	96.9	99.3	94.1	93.5	97.1	92.3	82.8	61.2	92.1	95.7	83.0	94.7	98.8
HI	1000	3000	92+	840-1050	15	56-70	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+	703-905	14.5	48-62	99.3	99.1	95.8	98.5	98.9	97.2	97.8	96.3	91.0	96.0	96.7	83.2	99.7	96.6
HI	1400	3000	92+	924-1144	20.5	46-56	92.6	97.0	98.9	92.2	92.5	96.7	91.0	79.7	55.3	92.1	93.3	84.1	93.9	99.5

804/K2 CONE OF LIGHT DIAGRAMS

