

# HOUSING: **804S** – LOW PROFILE LAMP MODULE: **K2S** – FIXED POSITION | LED

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # <b>804S/K2S</b> – – – / – /	



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## PRODUCT FEATURES

### HOUSING

- **804S** Low-Profile universal IC and Non-IC Rated housing available with three output options. 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. Low and Standard output options are IC-Rated for direct contact with standard or spray-foam thermal insulation with a max combined R-Value of R42. High output options are Non-IC rated for use where insulation can be kept a minimum of 3" away from all sides.
- Accepts **J2S**, **K2S**, and **M2S** LED Lamp Modules and all **800 Series** Trim Assemblies. Note: Minimum 4-1/2" ceiling space required when used with INSET and BEVEL Series Trim Assemblies.

### Lamp Module

- **K2S** Fixed position lamp module. Use for general lighting applications.

### LED Options

- **HI** 3000K 92+ CRI White LED. Minimum 2-Step color binning.
- **HI-2** 3000K 92+ CRI White LED. Minimum 2-Step color binning. Note: For use with 10° optic option only.
- **WD** 3000-1800K 97+ CRI Warm Dim LED. Minimum 3-Step color binning.
- **WD-2** 2800-2200K 95+ CRI Warm Dim LED. Minimum 3-Step color binning.

Note: To ensure fixture to fixture color consistency, use of the same LED option with adjacent fixtures is recommended.

### Optic Options and Accessories

- Optic options include: 10°, 15°, 25°, and 40°. Note: 10° optic option for use with **HI-2** LED option only.
- Optional beam enhancing lens accessories include: **NSP**-Narrow Softening, **NFL**-Medium Softening, **FL**-Wide Softening, **WFL**-Extra Wide Softening, and **LS**-Linear Spread.
- Optional color filtering lens accessories include: **CF24**-2400K, **CF27**-2700K, & **CF35**-3500K.

### 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 dimming LED driver with 120-277v/60Hz input. Dimmable to 1% using compatible DALI dimmers.
- **LU1-8** Lutron Hi-lume **LTEA2W** 1% 2-wire LED driver (120v Forward Phase only). 120v/60Hz input.
- **LU2-8** Lutron Hi-lume **LDE1** 1% EcoSystem LED driver w/ Soft-on, Fade-to-Black. 120-277v/60Hz input.
- **LU4-8** Lutron Hi-lume Premier **PEQOE** 0.1% EcoSystem LED driver w/ Soft-on, Fade-to-Black. 120-277v/60Hz input.

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

### Output\*

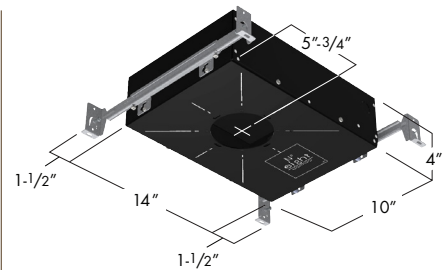
- **700** Low output. Delivers up to 821 lumens.
- **1000** Standard output. Delivers up to 1087 lumens.
- **1000-WD** Standard output – Warm Dimming. Delivers up to 905 lumens.
- **1400** High output. Delivers up to 1144 lumens. Available in Type Non-IC only.

\*Output varies depending on LED type, trim type, and optical accessories used (see page 2 for additional details).

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

### Mounting Accessories

- **BH** Bar Hangers for joist mounting.
- **BB** Butterfly Brackets for use with commercial c-channel or bar mounting.
- **TBC-BH** T-BAR Mounting Clips + Bar Hangers for T-Bar mounting.
- **PMB** Panel Mounting Brackets (set of two) for direct mounting to wood panels.



**804S** - LOW PROFILE HOUSING  
(shown with BH mounting accessory)

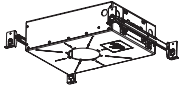


**K2S** - LED FIXED POSITION

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

**804S / K2S**

HOUSING / LAMP MODULE - LED OPTIONS - OPTIC OPTIONS - OPTICAL ACCESSORIES (Optional) / DIMMING OPTIONS - OUTPUT / MOUNTING ACCESSORIES



**804S**  
New Construction – Low-Profile AIRTIGHT-IC and Non-IC Rated  
10"W\* x 14"L\* x 4"H  
\*Add 3" to length or width to accommodate mounting accessories

LED FIXED POSITION



**K2S**

**HI**  
3000K White LED  
**HI-2\***  
3000K White LED  
**WD†**  
3000-1800K Warm Dim LED  
**WD-2†**  
2800-2200K Warm Dim LED  
\*For use with 10° optic only. Available in low and standard outputs only.  
†Available in standard output only

**10\***  
10° Very Narrow Spot  
**15**  
15° Narrow Spot  
**25**  
25° Narrow Flood  
**40**  
40° Flood  
\*For use with HI-2 LED option only

**NSP**  
Narrow Softening Lens  
**NFL**  
Medium Softening Lens  
**FL**  
Wide Softening Lens  
**WFL**  
Extra Wide Softening Lens  
**LS**  
Linear Spread Lens  
**CF24**  
2400K Color Filtering Lens  
**CF27**  
2700K Color Filtering Lens  
**CF35**  
3500K Color Filtering Lens

**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 or WD-2 LED options  
† Also CE Certified with HI or HI-2 LED options

**700**  
Low output  
**1000**  
Standard output  
**1000-WD**  
Standard output – Warm Dimming  
**1400\***  
High output  
\*Non-IC only. Not available w/ LU2-8 or LU4-8 dimming options.

**BH**  
Bar Hangers  
**BB**  
Butterfly Brackets  
**TBC-BH**  
T-Bar Mounting Clips + Bar Hangers  
**PMB**  
Panel Mounting Brackets

**Optic Option and Accessory Notes**

One field interchangeable optic option included standard. Up to two additional optical accessories can be accommodated.

**Installation Notes**

For low and standard output models, ambient temperatures in ceiling space should not exceed 40°C (104°F) during normal operation. For high output models and all models with **LU1-8** or **LU2-8** dimming options, ambient temperatures should not exceed 25°C (77°F).

**Warranty**

All No. 8 Lighting products are by a 5-year limited warranty. For specific warranty details and limitations, see [8lighting.com/resources-downloads](http://8lighting.com/resources-downloads)

**JA8-2019 CA Title 24 Compliant** except with dimming option **EL2-8**.

**OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY**

OPTICAL OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
	+ NSP	+ NFL	+ FL	+ WFL	+ LS
10° Very Narrow Spot	14°	27°	46°	71°	14 x 52°
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°
<i>Lumen Multiplier</i>	<i>0.93</i>	<i>0.87</i>	<i>0.88</i>	<i>0.82</i>	<i>0.89</i>

\*Beam enhancing lens used in combination with 10°, 15°, 25°, or 40° optic to achieve desired beam spread

**804S/K2S 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-2	700	3000	93+	809-821	9.7	83-84	94	97	98	94	94	96	93	84	63	91	95	82	95	98
HI-2	1000	3000	93+	1077-1087	14.2	76	94	97	98	94	94	96	93	84	63	91	95	82	95	98
HI	700	3000	92+	550-689	9.3	59-74	94	97	99	94	94	97	92	83	61	92	96	83	95	99
HI	1000	3000	92+	840-1050	15.0	56-70	93	97	99	93	93	97	91	81	57	92	94	85	94	99
HI	1400	3000	92+	924-1144	20.3	46-56	93	97	99	92	93	97	91	80	55	92	93	84	94	100
WD	1000-WD	1800-3000	97+	703-905	14.5	48-62	99	99	96	99	99	97	98	96	91	96	97	83	100	97
WD-2	1000-WD	2800-2200	95+	682-878	14.5	47-61	98	97	96	96	99	93	90	86	74	96	96	87	99	99

# 804S/K2S CONE OF LIGHT DIAGRAMS

