

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

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



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PRODUCT FEATURES

HOUSING

- **804S** Low-Profile universal IC and Non-IC Rated housing available with two 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** Forward or Reverse-Phase 1% dimming driver. 120v/60Hz input.
- **DIM2-8** 0-10v 1% dimming driver. 120-277v/60Hz input.
- **PR1-8** Premium Forward or Reverse-Phase 0.1% dimming driver. 120v/60Hz input.
- **EL1-8** EdoLED 0-10v 1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL1-01-8** EdoLED 0-10v 0.1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL2-8** EdoLED DALI 1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL2-01-8** EdoLED DALI 0.1% dimming driver configured for linear control. 120-277v/60Hz input.
- **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 or 277v/60Hz input.

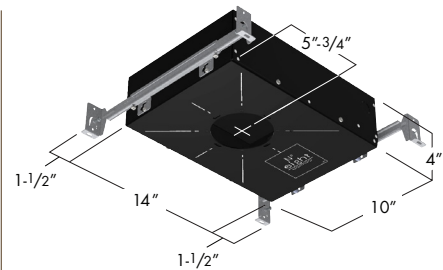
For a complete list of compatible dimmers, see 8lighting.com/resources-downloads

Output*

- **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

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)

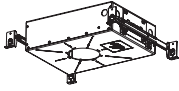


K2S - LED FIXED POSITION

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 standard output 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
EL1-01-8†
EldoLED 0-10v 0.1% Dimming
EL2-8†
EldoLED DALI 1% Dimming
EL2-01-8†
EldoLED DALI 0.1% 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

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

JA8-2019 CA Title 24 Compliant.

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°
Lumen Multiplier	0.93	0.87	0.88	0.82	0.89

*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	1000	3000	93+	1077-1087	14.2	76	94	97	98	94	94	96	93	84	63	91	95	82	95	98
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

