

HOUSING: **804S** – LOW PROFILE LAMP MODULE: **J2S** – ADJUSTABLE | LED

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # 804S/J2S – – – / – /	



eight
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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

- **J2S** 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. *For wall washing: specify 40° optic option with **HI**, **WD**, **WD-2**, or **TW** LED or 10° optic option and **FL** lens with **HI-2** LED. Requires **WW-8** wall wash accessory, specified 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.
- **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.
- **TW** 4700-2200K 92+ CRI Tunable White 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** EldoLED 0-10v 1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL1-01-8** EldoLED 0-10v 0.1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL2-8** EldoLED DALI 1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL2-01-8** EldoLED DALI 0.1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL3-8** EldoLED Tunable White DALI 0.1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL4-8** EldoLED Tunable White DMX 0.1% dimming driver configured for linear control. 120-277v/60Hz input.
- **EL5-8** EldoLED Tunable White 0-10v 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.
- **LU5-8** Lutron **PSQ** T-Series Tunable White 1% LED driver. 120 or 277v/60Hz input.

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

Output*

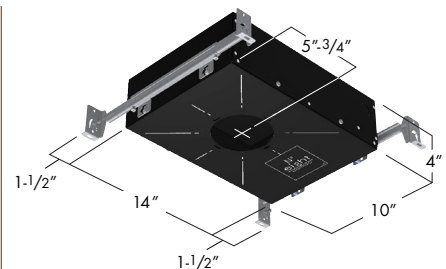
- **1000** Standard output. Delivers up to 1023 lumens.
- **1000-WD** Standard output – Warm Dimming. Delivers up to 880 lumens.
- **1000-TW** Standard output - Tunable White. Delivers up to 1133 lumens.
- **1400** High output. Delivers up to 1117 lumens. Available in Type Non-IC only.

*Output varies depending on LED type, trim type, and optical accessories used (see page 3 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.



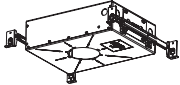

804S - LOW PROFILE HOUSING
(shown with BH mounting accessory)



J2S - LED ADJUSTABLE

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

804S / **J2S** - - - - - / - - - - - / - - - - -

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES
 <p>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</p>	<p>LED ADJUSTABLE</p>  <p>J2S 45° tilt, full 360° rotation with tool-less locking vertical and horizontal adjustment</p>	<p>HI 3000K White LED HI-2* 3000K White LED WD† 3000-1800K Warm Dim LED WD-2† 2800-2200K Warm Dim LED TW† 4700-2200K Tunable White LED</p> <p>*For use with 10° optic only. Available in standard output only. †Available in standard output only</p>	<p>10* 10° Very Narrow Spot 15† 15° Narrow Spot 15T** 15° Narrow Spot - Tunable White 25†† 25° Narrow Flood 40†† 40° Flood</p> <p>*For use with HI-2 LED option only †For use with HI, WD, or WD-2 LED options only **For use with TW LED option only ††For use with HI, WD, WD-2, or TW LED options only</p>	<p>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</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 EL1-01-8** EldoLED 0-10v 0.1% Dimming EL2-8** EldoLED DALI 1% Dimming EL2-01-8** EldoLED DALI 0.1% Dimming EL3-8† EldoLED 2-channel DALI 0.1% Dimming EL4-8† EldoLED 4-channel DMX 0.1% Dimming EL5-8† EldoLED 2-channel 0-10v 0.1% Dimming LU1-8 Lutron Hi-Lume Forward-Phase 1% Dimming LU2-8 Lutron Hi-Lume EcoSystem 1% Dimming LU4-8 Lutron 0.1% EcoSystem Dimming LU5-8† Lutron T-Series 2-channel 1% Dimming</p> <p>*Not available with WD or WD-2 LED options **Also CE Certified with HI or HI-2 LED options †For use with TW LED option only</p>	<p>1000 Standard output 1000-WD Standard output – Warm Dimming 1000-TW† Standard output – Tunable White 1400* High output *Non-IC only</p> <p>Not available w/ LU2-8 or LU4-8 dimming options †For use with EL3-8, EL4-8, EL5-8, or LU5-8 dimming options only</p>	<p>BH Bar Hangers BB Butterfly Brackets TBC-BH T-Bar Mounting Clips + Bar Hangers PMB Panel Mounting Brackets</p>

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**, **LU2-8** or **LU5-8** 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°
<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°, 20°, 25°, or 40° optic to achieve desired beam spread

804S/J2S 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+	1009-1023	14.0	72-73	94	97	99	94	94	94	92	83	63	92	95	83	95	99
HI	1000	3000	92+	715-950	15	48-63	93	97	99	93	93	97	91	81	57	92	94	85	94	99
HI	1400	3000	92+	803-1117	20.5	39-55	92	97	99	92	92	96	91	79	54	92	93	84	94	100
WD	1000-WD	3000-1800*	97+	603-881	14.3	42-62	99	99	96	99	99	97	98	96	91	97	97	82	100	97
WD-2	1000-WD	2800-2200*	95+	585-855	14.3	41-60	98	97	96	96	99	93	90	86	74	96	96	87	99	99
TW	1000-TW	4700-2200*	92+	714-1133	14.6	49-78	95	96	95	94	93	92	96	90	75	88	93	70	95	96

*Performance summary for **WD** LED at 3000K CCT, for **WD-2** LED at 2800K CCT, and **TW** LED at 4000K CCT.

804S/J2S CONE OF LIGHT DIAGRAMS

	804S/J2S-HI-2-10/1000	804S/J2S-HI-15/1000	804S/J2S-HI-25/1000	804S/J2S-HI-40/1000
STANDARD OUTPUT	2ft - 3746 fc	2ft - 1,445fc	2ft - 673fc	2ft - 379fc
	4ft - 937 fc	4ft - 361fc	4ft - 168fc	4ft - 94.6fc
	6ft - 416 fc	6ft - 161fc	6ft - 74.7fc	6ft - 42.1fc
	8ft - 234 fc	8ft - 90.3fc	8ft - 42.0fc	8ft - 23.7fc
	10ft - 150 fc	10ft - 57.8fc	10ft - 26.9fc	10ft - 15.1fc
	12ft - 104 fc	12ft - 40.1fc	12ft - 18.7fc	12ft - 10.5fc
	10° Very Narrow Spot CBCP: 14,984	15° Narrow Spot CBCP: 5,781	25° Narrow Flood CBCP: 2,690	40° Flood CBCP: 1,514
HIGH OUTPUT		804S/J2S-HI-15/1400	804S/J2S-HI-25/1400	804S/J2S-HI-40/1400
		2ft - 1,880fc	2ft - 878fc	2ft - 474fc
		4ft - 470fc	4ft - 220fc	4ft - 118fc
		6ft - 209fc	6ft - 97.6fc	6ft - 52.6fc
		8ft - 118fc	8ft - 54.9fc	8ft - 26.9fc
		10ft - 75.2fc	10ft - 35.1fc	10ft - 19.0fc
	12ft - 52.2fc	12ft - 24.4fc	12ft - 13.2fc	
	15° Narrow Spot CBCP: 7,520	25° Narrow Flood CBCP: 3,513	40° Flood CBCP: 1,895	
STANDARD OUTPUT - WARM DIM		804S/J2S-WD-15/1000-WD	804S/J2S-WD-25/1000-WD	804S/J2S-WD-40/1000-WD
		2ft - 994fc	2ft - 608fc	2ft - 424fc
		4ft - 249fc	4ft - 152fc	4ft - 106fc
		6ft - 110fc	6ft - 67.6fc	6ft - 47.1fc
		8ft - 62.1fc	8ft - 38.0fc	8ft - 26.5fc
		10ft - 39.8fc	10ft - 24.3fc	10ft - 17.0fc
	12ft - 27.6fc	12ft - 16.9fc	12ft - 11.8fc	
	15° Narrow Spot CBCP: 3,976	25° Narrow Flood CBCP: 2,433	40° Flood CBCP: 1,718	
TUNABLE WHITE		804S/J2S-TW-15T/1000-TW	804S/J2S-TW-25/1000-TW	804S/J2S-TW-40/1000-TW
		2ft - 1,892fc	2ft - 667fc	2ft - 470fc
		4ft - 473fc	4ft - 167fc	4ft - 118fc
		6ft - 210fc	6ft - 74fc	6ft - 52fc
		8ft - 118fc	8ft - 42fc	8ft - 30fc
		10ft - 76fc	10ft - 27fc	10ft - 29fc
	15° Narrow Spot CBCP: 7,570*	25° Narrow Flood CBCP: 2,669*	40° Flood CBCP: 1,881*	

*Measured at 4000K. Output varies by CCT.