

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 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

- **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** 4500-2200K 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** 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.
- **EL3-8** EldoLED 2-channel Tunable White DALI dimming LED driver with 120-277v/60Hz input. Dimmable to 0.1% using compatible DALI dimmers.
- **EL4-8** EldoLED 4-channel Tunable White DMX dimming LED driver with 120-277v/60Hz input. Dimmable to 0.1% using compatible DMX dimmers.
- **EL5-8** EldoLED 2-channel Tunable White 0-10v dimming LED driver with 120-277v/60Hz input. Dimmable to 0.1% using compatible 0-10v 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 **PEQ0E** 0.1% EcoSystem LED driver w/ Soft-on, Fade-to-Black. 120-277v/60Hz input.
- **LU5-8** Lutron **PSQ** T-Series 2-channel Tunable White 1% LED driver. 120-277v/60Hz input.

Output*

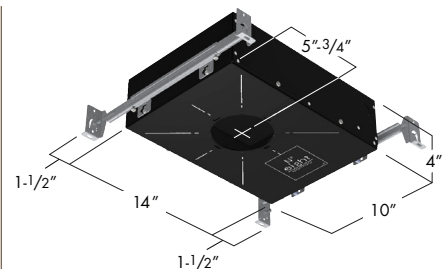
- **700** Low output. Delivers up to 803 lumens
- **1000** Standard output. Delivers up to 1023 lumens.
- **1000-WD** Standard output – Warm Dimming. Delivers up to 880 lumens.
- **1000-TW** Standard output - Tunable White. Delivers up to 1133 lumens.
- **1400** High output. Delivers up to 1117 lumens. Available in Type Non-IC only.

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



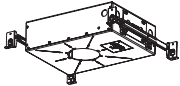

804S - LOW PROFILE HOUSING
(shown with BH mounting accessory)



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† 4500-2200K Tunable White LED</p> <p>*For use with 10° optic only. Available in low and standard outputs 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, WD, or 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</p> <p>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 EL2-8** EldoLED DALI 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</p> <p>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>700 Low output 1000 Standard output 1000-WD Standard output – Warm Dimming 1000-TW† Standard output – Tunable White 1400* High output</p> <p>*Non-IC only 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 except with dimming options **EL2-8** and **EL4-8**.

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>	0.93	0.87	0.88	0.82	0.89

*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	700	3000	93+	789-803	9.7	81-83	94	97	99	94	94	94	92	83	63	92	95	83	95	99
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	700	3000	92+	470-660	9.5	50-70	94	97	99	94	93	97	93	82	60	92	96	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	4500-2200*	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

