

**HOUSING: 804S – LOW PROFILE**  
**LAMP MODULE: J2S – ADJUSTABLE | LED**  
**TRIM: FS/FR + FLS/FLR w/ WW-8 WALL WASH ACCESSORY**

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # <b>804S/J2S</b> – – – / – /	
– – – <b>WW-8</b>	



**N<sup>o</sup>**  
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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. 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 **J2**, **K2**, **L2**, and **M2** 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.

**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**

- With **HI**, **WD**, **WD-2**, or **TW** LED options 40° optic option is included.
- With **HI-2** LED option 10° optic option + **FL** beam enhancing lens is included.
- 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 **PEQOE** 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.

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

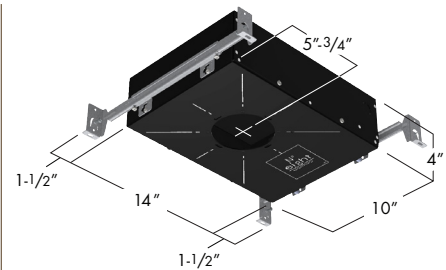
**Output**

- **1000** Standard output. Delivers 543 to 591 lumens.
- **1000-WD** Standard output – Warm Dimming. Delivers 505 to 550 lumens (at 3000K).
- **1000-TW** Standard output - Tunable White. Delivers 619 to 674 lumens (at 3000K).
- **1400** High output. Delivers 642 to 703 lumens. Available in Type Non-IC only.

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

**Mounting Accessories**

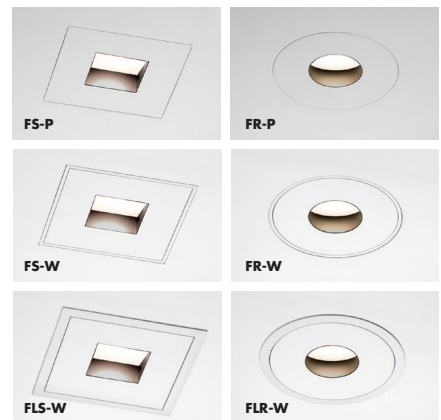
- **BH** Bar Hangers for joist mounting.
- **BB** Butterfly Brackets for use with commercial c-channel or bar mounting.
- **TBC-BH** T-BAR Mounting Clips + Bar Hangers for T-Bar mounting.
- **PMB** Panel Mounting Brackets (set of two) for direct mounting to wood panels.



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



**J2S - LED ADJUSTABLE**



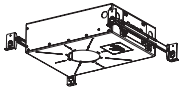

**FS/FR + FLS/FLR TRIMS W/ WW-8 WALL WASH ACCESSORY**

**Wall Wash Trim Options**

- **WW-8** wall wash accessory for uniform wall wash applications included standard.
- 4" SQUARE or ROUND w/ 1.75" aperture including: **FS-P** and **FR-P** for flush installation into sheetrock ceilings, **FS-W** and **FR-W** for flush installation into wood/stone ceilings, and **FLS-W** and **FLR-W** for flanged installation into wood, stone, acoustic tile, or sheetrock ceilings.
- Available in many designer finishes including: **WH** - White, **PN** - Polished Nickel, **SN** - Satin Nickel, **OB** - Oil-Rubbed Bronze, and **BK** - Black.

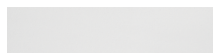

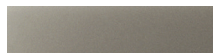


HOUSING PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

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

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES
 <p><b>804S</b> 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><b>LED ADJUSTABLE</b></p>  <p><b>J2S</b> 45° tilt, full 360° rotation with tool-less locking vertical and horizontal adjustment</p>	<p><b>HI</b> 3000K White LED</p> <p><b>HI-2*</b> 3000K White LED</p> <p><b>WD†</b> 3000-1800K Warm Dim LED</p> <p><b>WD-2†</b> 2800-2200K Warm Dim LED</p> <p><b>TW†</b> 4500-2200K Tunable White LED</p> <p>*For use with 10-FL optic only. Available in low and standard outputs only.</p> <p>†Available in standard output only</p>	<p><b>40</b> 40° Flood</p> <p><b>10-FL*</b> 10° Very Narrow Spot + FL Beam Enhancing Lens</p> <p>*For use with HI-2 LED option only</p>	<p><b>CF24</b> 2400K Color Filtering Lens</p> <p><b>CF27</b> 2700K Color Filtering Lens</p> <p><b>CF35</b> 3500K Color Filtering Lens</p>	<p><b>DIM1-8</b> Forward or Reverse-Phase 1% Dimming</p> <p><b>DIM2-8</b> 0-10v 1% Dimming</p> <p><b>PR1-8*</b> Premium Forward or Reverse-Phase 0.1% Dimming</p> <p><b>EL1-8**</b> EldoLED 0-10v 1% Dimming</p> <p><b>EL2-8**</b> EldoLED DALI 1% Dimming</p> <p><b>EL3-8†</b> EldoLED 2-channel DALI 0.1% Dimming</p> <p><b>EL4-8†</b> EldoLED 4-channel DMX 0.1% Dimming</p> <p><b>EL5-8†</b> EldoLED 2-channel 0-10v 0.1% Dimming</p> <p><b>LU1-8</b> Lutron Hi-Lume Forward-Phase 1% Dimming</p> <p><b>LU2-8</b> Lutron Hi-Lume EcoSystem 1% Dimming</p> <p><b>LU4-8</b> Lutron 0.1% EcoSystem Dimming</p> <p><b>LU5-8†</b> Lutron T-Series 2-channel 1% Dimming</p> <p>*Not available with WD or WD-2 LED options</p> <p>**Also CE Certified with HI or HI-2 LED options</p> <p>†For use with TW LED option only</p>	<p><b>1000</b> Standard output</p> <p><b>1000-WD</b> Standard output – Warm Dimming</p> <p><b>1000-TW†</b> Standard output - Tunable White</p> <p><b>1400*</b> High output</p> <p>*Non-IC only</p> <p>Not available w/ LU2-8 or LU4-8 dimming options</p> <p>†For use with EL3-8, EL4-8, or LU5-8 dimming options only</p>	<p><b>BH</b> Bar Hangers</p> <p><b>BB</b> Butterfly Brackets</p> <p><b>TBC-BH</b> T-Bar Mounting Clips + Bar Hangers</p> <p><b>PMB</b> Panel Mounting Brackets</p>

TRIM PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

**WW-8**

TRIM	TRIM APPLICATION	TRIM FINISH	TRIM ACCESSORY
<p><b>FS</b> FLANGELESS SQUARE – Trim plate flush to the ceiling</p> <p><b>FR</b> FLANGELESS ROUND – Trim plate flush to the ceiling</p> <p><b>FLS</b> FLANGED SQUARE – Trim plate flush to trim</p> <p><b>FLR</b> FLANGED ROUND – Trim plate flush to trim</p>	<p><b>P-1</b> Flush Plaster/Sheetrock ceiling applications with 5/32" thick drywall compound or plaster finish</p> <p><b>P-2</b> Flush Plaster/Sheetrock ceiling applications with 5/16" thick drywall compound or plaster finish</p> <p><b>W</b> Wood/Stone/Sheetrock/Acoustic Tile ceiling applications</p>	 <p><b>WH</b> WHITE</p>  <p><b>PN</b> POLISHED NICKEL*</p>  <p><b>SN</b> SATIN NICKEL*</p>  <p><b>OB</b> OIL-RUBBED BRONZE*</p>  <p><b>BK</b> BLACK*</p> <p>*Specialty finish. Additional lead time required</p>	<p><b>WW-8*</b> WALL WASH accessory installed in 1.75" aperture trim plate</p> <p>*UL Wet listed and IP54 Rated</p>

**Optic Options and Accessory Notes**

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

**Trim Finish Notes**

White trim finish is field paintable to match ceiling color. Lot variations may occur with specialty finishes. Ordering ALL trim kits at the same time is recommended to minimize finish variations.

**Trim Accessory Notes**

Trim lens accessories are factory installed into trim plates and are UL WET LISTED and IP54 Rated for use in DRY, DAMP, or WET locations (covered ceiling applications only). Not for use in steam applications.

**Installation Notes**

For 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** and **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](http://8lighting.com/resources-downloads)

**804S/J2S-HI-40 w/ WW-8 WALL WASH ACCESSORY – PERFORMANCE SUMMARY**

Trim	Output	CCT	CRI	Delivered Lumens	System Wattage	Delivered LPW	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
FS/FLS	1000	3000	92+	591	14.3	41	92.7	96.7	99.5	92.8	92.6	96.7	91.6	80.3	56.5	91.6	91.6	84.0	93.9	99.2
FR/FLR	1000	3000	92+	543	14.3	38	92.3	96.7	99.2	92.1	92.1	96.6	91.0	79.4	54.7	91.6	93.3	83.7	93.6	99.4
FS/FLS	1400	3000	92+	703	21	34	92.1	97.1	98.2	91.1	91.1	96.8	90.0	78.3	53.2	92.5	92.0	83.8	93.6	99.8
FR/FLR	1400	3000	92+	642	21	31	92.1	97.2	98.1	91.1	91.1	96.8	90.0	78.3	53.2	92.6	92.0	83.7	93.6	99.8

LED Lumen Multipliers: For HI-2 LED with 10° optic and FL lens, use multiplier of 1.02. For WD LED with 40° optic, use multiplier of 0.93. For WD-2 LED with 40° optic, use multiplier of 0.90. For TW LED with 40° optic, use multiplier of 1.14.

**804S/J2S-HI-40/1000 w/ FS/FLS TRIM + WW-8 WALL WASH ACCESSORY – FOOTCANDLES ON WALL**

FIXTURE DISTANCE TO WALL		24"						30"					
FIXTURE CENTERS (SPACING)		24"			30"			30"			36"		
DISTANCE FROM CEILING	1'	12.6	13.4	12.6	11.7	10.3	11.7	4.4	4.3	4.4	4.1	4.3	4.1
	2'	28.2	31.6	28.2	25.3	27.1	25.3	16.4	17.7	16.4	15.1	15.3	15.1
	3'	21.7	24.1	21.7	19.6	22.1	19.6	17.2	19.3	17.2	15.7	17.5	15.7
	4'	13.6	14.8	13.6	12.6	14.0	12.6	12.7	14.1	12.7	11.8	13.2	11.8
	5'	8.5	9.0	8.5	8.0	8.7	8.0	8.7	9.5	8.7	8.2	9.1	8.2
	6'	5.5	5.7	5.5	5.2	5.5	5.2	6.0	6.4	6.0	5.7	6.1	5.7
	7'	3.7	3.8	3.7	3.5	3.7	3.5	4.2	4.4	4.2	4.0	4.3	4.0
	8'	2.5	2.6	2.5	2.5	2.6	2.5	3.0	3.1	3.0	2.9	3.0	2.9
	9'	1.8	1.9	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.1	2.2	2.1

**804S/J2S-HI-40/1000 w/ FR/FLR TRIM + WW-8 WALL WASH ACCESSORY – FOOTCANDLES ON WALL**

FIXTURE DISTANCE TO WALL		24"						30"					
FIXTURE CENTERS (SPACING)		24"			30"			30"			36"		
DISTANCE FROM CEILING	1'	10.6	10.7	10.6	10.0	7.9	10.0	3.6	3.0	3.6	3.4	2.4	3.4
	2'	25.9	38.9	25.9	23.3	24.6	23.3	14.8	16.1	14.8	13.6	13.7	13.6
	3'	20.5	22.8	20.5	18.5	20.8	18.5	16.0	17.9	16.0	14.6	16.2	14.6
	4'	13.0	14.1	13.0	12.0	13.3	12.0	12.0	13.4	12.0	11.1	12.5	11.1
	5'	8.1	8.6	8.1	7.6	8.3	7.6	8.3	9.0	8.3	7.8	8.7	7.8
	6'	5.2	5.4	5.2	5.0	5.3	5.0	5.7	6.1	5.7	5.4	5.9	5.4
	7'	3.5	3.6	3.5	3.4	3.5	3.4	4.0	4.2	4.0	3.8	4.1	3.8
	8'	2.4	2.5	2.4	2.3	2.4	2.3	2.8	2.9	2.8	2.7	2.9	2.7
	9'	1.7	1.8	1.7	1.7	1.8	1.7	2.1	2.1	2.1	2.0	2.1	2.0

Note: With HI, WD, WD-2, or TW LED options, use 40° optic and 20° aiming angle for optimal performance. With HI-2 LED option, use 10° optic + FL lens and 20° aiming angle for optimal performance.

**804S/J2S-HI-40/1400 w/ FS/FLS TRIM + WW-8 WALL WASH ACCESSORY – FOOTCANDLES ON WALL**

FIXTURE DISTANCE TO WALL		24"						30"					
FIXTURE CENTERS (SPACING)		24"			30"			30"			36"		
DISTANCE FROM CEILING	1'	17.0	17.7	17.0	15.8	13.6	15.8	6.0	5.8	6.0	5.7	4.7	5.7
	2'	34.4	40.6	36.4	32.4	34.9	32.6	21.6	23.4	21.6	19.8	20.1	19.8
	3'	26.9	30.0	26.9	24.3	27.4	24.3	21.8	24.3	21.8	19.9	22.1	19.9
	4'	16.7	18.1	16.7	15.4	17.1	15.4	15.7	17.5	15.7	14.5	16.4	14.5
	5'	10.3	10.9	10.3	9.7	10.5	9.7	10.7	11.6	10.7	10.0	11.1	10.0
	6'	6.6	6.9	6.6	6.3	6.7	6.3	7.2	7.7	7.2	6.9	7.5	6.9
	7'	34.4	4.5	4.4	4.2	4.4	4.2	5.0	5.3	5.0	4.8	5.1	4.8
	8'	3.0	3.1	3.0	2.9	3.1	2.9	3.6	3.7	3.6	3.4	3.6	3.4
	9'	2.2	2.2	2.2	2.1	2.2	2.1	2.6	2.7	2.6	2.5	2.6	2.5

**804S/J2S-HI-40/1400 w/ FR/FLR TRIM + WW-8 WALL WASH ACCESSORY – FOOTCANDLES ON WALL**

FIXTURE DISTANCE TO WALL		24"						30"					
FIXTURE CENTERS (SPACING)		24"			30"			30"			36"		
DISTANCE FROM CEILING	1'	13.5	13.5	13.5	12.8	10.0	12.8	4.5	3.8	4.5	4.3	3.0	4.3
	2'	37.2	36.5	32.7	29.4	31.1	29.4	18.9	20.5	18.9	17.4	17.5	17.4
	3'	25.1	28.0	25.1	22.7	25.6	22.7	20.0	22.3	20.0	18.2	20.2	18.2
	4'	15.7	17.1	15.7	14.5	16.2	14.5	14.7	16.4	14.7	13.6	15.3	13.6
	5'	9.7	10.3	9.7	9.1	10.0	9.1	10.1	10.9	10.1	9.4	10.5	9.4
	6'	6.2	6.5	6.2	5.9	6.3	5.9	6.8	7.3	6.8	6.5	7.1	6.5
	7'	4.1	4.3	4.1	4.0	4.2	4.0	4.7	5.0	4.7	4.5	4.9	4.5
	8'	2.9	2.9	2.9	2.8	2.9	2.8	3.4	3.5	3.4	3.3	3.4	3.3
	9'	2.0	2.1	2.0	2.0	2.1	2.0	2.5	2.5	2.5	2.4	2.5	2.4

Note: With HI LED options, use 40° optic and 20° aiming angle for optimal performance.