

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 # 804S/J2S – – 40 – / – /	
– – – WW-8	



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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.
- Includes bar hangers (for joist mounting) standard.

Lamp Module

- **J2S** Fully adjustable lamp module features patented tool-free adjustment mechanism optimized for true 0-45° vertical and 360° horizontal adjustment.
- Includes 40° optic optimized for wall wash lighting applications.

LED Options

- **H1** 3000K 92+ CRI White LED. Minimum 2-Step color binning.
- **WD** 3000-1800K 97+ CRI Warm Dim LED. Minimum 3-Step color binning.

Optical Accessories (Optional)*

- Field interchangeable color filtering lenses include: **CF24**-2400°K, **CF27**-2700°K, & **CF35**-3500°K.

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

For a complete list of compatible dimmers, see 8lighting.com/DimmingCompatibility

Output

- **1000** Standard output. Delivers 540-590 lumens at 14.3 watts.
- **1000-WD** Standard output - Warm Dimming. Delivers 500-550 lumens at 14.3 watts.
- **1400** High output. Delivers 640-700 lumens at 20.5 watts. Available in Type Non-IC only.

For photometric files in PDF and IES formats, see 8lighting.com/Photometry/800Series

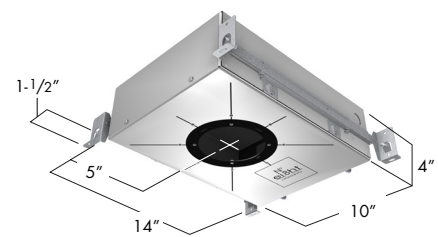
Wall Wash Trim Options

- **WW-8** wall wash accessory for uniform wall wash applications included standard. Factory installed for use in dry, damp, or wet locations (covered ceiling applications only). Not for use in steam applications.
- 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: White, Polished Nickel, Satin Nickel, Oil-Rubbed Bronze, and Black.

Mounting Accessories (Optional)

- **TBC** T-Bar mounting clips (set of four)
- **PMB** panel mount brackets (set of two)

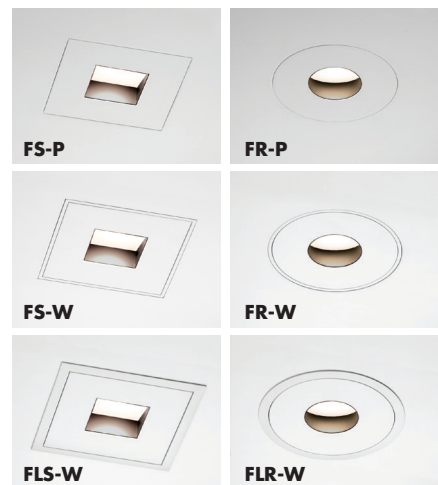
For Standard output models, ambient temperatures in ceiling space should not exceed 40°C (104°F) during normal operation. For High Output models and all models with **LU1-8** or **LU2-8** dimming options, ambient temperatures should not exceed 25°C (77°F).



804S - LOW PROFILE HOUSING



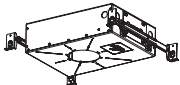

J2S - LED ADJUSTABLE



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

HOUSING PRODUCT SPECIFIER/PRODUCT ORDER NUMBER






804S / **J2S** - - **40** - - / - - /

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES (Optional)
 <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 bar hangers.</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</p> <p>WD* 3000-1800K Warm Dim LED</p> <p>*Available in standard output only</p>	<p>40 40° Flood</p>	<p>CF24 2400°K Color Filtering Lens</p> <p>CF27 2700°K Color Filtering Lens</p> <p>CF35 3500°K Color Filtering Lens</p>	<p>DIM1-8 Forward or Reverse-Phase 1% Dimming</p> <p>DIM2-8 0-10v 1% Dimming</p> <p>PR1-8* Premium Forward or Reverse-Phase 0.1% Dimming</p> <p>EL1-8 EldoLED 0-10v 1% Dimming</p> <p>EL2-8 EldoLED DALI 1% Dimming</p> <p>LU1-8 Lutron Hi-Lume Forward-Phase 1% Dimming</p> <p>LU2-8 Lutron Hi-Lume Eco System 1% Dimming</p> <p>LU4-8 Lutron 0.1% EcoSystem Dimming</p> <p>*Not available with WD option</p>	<p>1000 Standard output</p> <p>1000-WD Standard output – Warm Dimming</p> <p>1400* High output</p> <p>*Non-IC only. Not available w/ LU2-8 or LU4-8 dimming options.</p>	<p>TBC T-BAR MOUNTING CLIPS (Set of four)</p> <p>PMB PANEL MOUNTING BRACKETS (Set of two)</p>

One field interchangeable optic option included standard. Up to two additional optical accessories can be accommodated. Bar hangers (for joist mounting) are included standard. Optional mounting accessories shipped separately. **Warranty:** All No. 8 Lighting products are warranted for 5 years.

TRIM PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

- - - - - **WW-8**

TRIM	TRIM APPLICATION	TRIM FINISH	TRIM ACCESSORY
<p>FS FLANGELESS SQUARE – Trim plate flush to the ceiling</p> <p>FR FLANGELESS ROUND – Trim plate flush to the ceiling</p> <p>FLS FLANGED SQUARE – Trim plate flush to trim</p> <p>FLR FLANGED ROUND – Trim plate flush to trim</p>	<p>P-1 Flush Plaster/Sheetrock ceiling applications with 5/32" thick drywall compound or plaster finish</p> <p>P-2 Flush Plaster/Sheetrock ceiling applications with 5/16" thick drywall compound or plaster finish</p> <p>W Wood/Stone/Sheetrock/Acoustic Tile ceiling applications</p>	 <p>WH WHITE – Field paintable to match ceiling finish</p>  <p>PN POLISHED NICKEL*</p>  <p>SN SATIN NICKEL*</p>  <p>OB OIL-RUBBED BRONZE*</p>  <p>BK BLACK*</p> <p>*Specialty finish. Additional lead time required</p>	<p>WW-8 WALL WASH accessory installed in 1.75" aperture trim plate rated for use in DRY, DAMP, or WET locations (covered ceiling applications only)</p>

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

Note: For 97+ CRI 3000-1800K "WD" Warm-dimming LED, use multiplier of 0.93

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: Use 40° optic 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: Use 40° optic and 20° aiming angle for optimal performance.