


HOUSING: **804** – I.C.  
 LAMP MODULE: **J2** – ADJUSTABLE | LED  
 TRIM: **FS/FR + FLS/FLR** w/ **WW-8** WALL WASH ACCESSORY

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # <b>804/J2 – HI – 40 – / – 1400 /</b>	
– – – <b>WW-8</b>	



**N<sup>o</sup>**  
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## PRODUCT FEATURES

### HOUSING

- **804** IC-Rated for direct contact with standard or spray-foam thermal insulation with a max combined R-Value of R49 (may also be installed in Non-IC applications). 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.
- Accepts **J2**, **K2**, and **M2** LED Lamp Modules and all **800 Series** Trim Assemblies. Note: Minimum 6" ceiling space required when used with INSET and BEVEL Series Trim Assemblies.

### Lamp Module

- **J2** 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.

### Optic Options and Accessories

- 40° optic option is included.
- Optional color filtering lens accessories include: **CF24-2400K**, **CF27-2700K**, & **CF35-3500K**.

### Dimming Options

- **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.
- **LU1-8** Lutron Hi-lume **LTEA2W** 1% 2-wire LED driver (120v Forward Phase only). 120v/60Hz input.

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

### Output

- **1400** High output. Delivers 642 to 703 lumens.

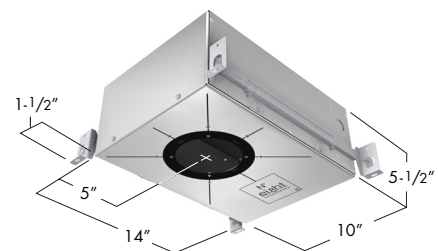
For photometric files in PDF and IES formats, see [8lighting.com/800-series-photometry](http://8lighting.com/800-series-photometry)

### 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.

### Wall Wash Trim Options

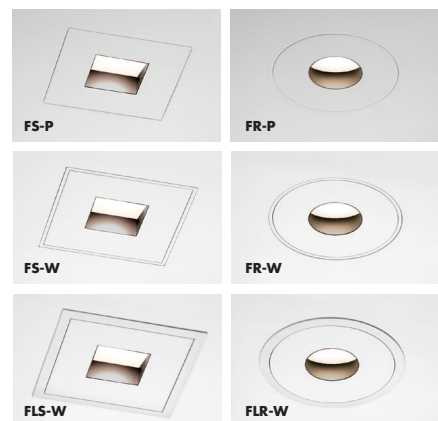
- **WW-8** wall wash accessory for uniform wall wash applications included standard.
- 4" SQUARE or ROUND w/ 1.75" aperture including: **FS-P** and **FR-P** for flush installation into sheetrock ceilings, **FS-W** and **FR-W** for flush installation into wood/stone ceilings, and **FLS-W** and **FLR-W** 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.



**804** - I.C. HOUSING  
(shown with BH mounting accessory)



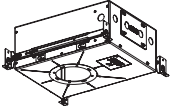

**J2** - LED ADJUSTABLE



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

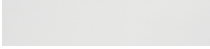
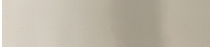
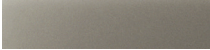


HOUSING PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

**804** / **J2** - **HI** - **40** - / - **1400** /

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES
 <p><b>804</b> New Construction – AIRTIGHT-I.C. 10"W* x 14"L* x 5 1/2"H Accepts All No. 8 Lighting LED Lamp Modules *Add 3" to length or width to accommodate mounting accessories</p>	<p><b>LED ADJUSTABLE</b></p>  <p><b>J2</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>40</b> 40° Flood</p>	<p><b>CF24</b> 2400K Color Filtering Lens <b>CF27</b> 2700K Color Filtering Lens <b>CF35</b> 3500K Color Filtering Lens</p>	<p><b>PR1-8</b> Premium Forward or Reverse-Phase 0.1% Dimming <b>EL1-8</b> EldoLED 0-10v 1% Dimming <b>EL2-8</b> EldoLED DALI 1% Dimming <b>LU1-8</b> Lutron Hi-Lume Forward-Phase 1% Dimming</p>	<p><b>1400</b> High output</p>	<p><b>BH</b> Bar Hangers <b>BB</b> Butterfly Brackets <b>TBC-BH</b> T-Bar Mounting Clips + Bar Hangers <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 <b>FR</b> FLANGELESS ROUND – Trim plate flush to the ceiling <b>FLS</b> FLANGED SQUARE – Trim plate flush to trim <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 <b>P-2</b> Flush Plaster/Sheetrock ceiling applications with 5/16" thick drywall compound or plaster finish <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* *Specialty finish</p>	<p><b>WW-8*</b> WALL WASH accessory installed in 1.75" aperture trim plate *UL Wet listed</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 rated for use in DRY, DAMP, or WET locations (covered ceiling applications only). Not for use in steam applications.

**Installation Notes**

Ambient temperatures in ceiling space should not exceed 25°C (77°F) during normal operation.

**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)

**804/J2-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
<b>FS/FLS</b>	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
<b>FR/FLR</b>	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.

**804/J2-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

**804/J2-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.