

HOUSING: **804D-S** – LOW PROFILE DEEP CEILING / SQUARE  
 LAMP MODULES: **J2S/K2S/M2S** | LED  
 TRIM: **FS-P/FS-LG-P** SEAMLESS SERIES / SQUARE



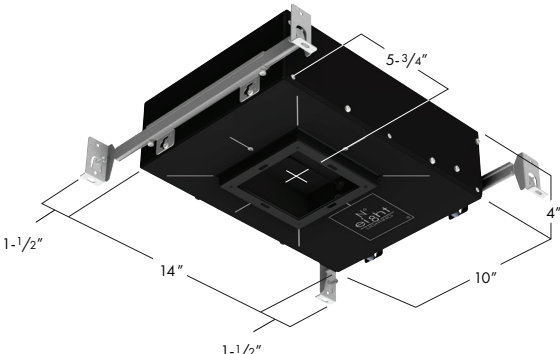
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 Doc # 91178-13.1




Project Name	
Date	Type
Prepared By	
Comments	
Catalog # <b>804D-S</b> / - - - / - /	
- - -	


PRODUCT FEATURES




**804D-S** - LOW PROFILE DEEP CEILING HOUSING - SQUARE  
 (Shown with BH mounting accessory)



**J2S** - LED ADJUSTABLE

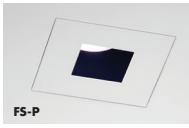


**K2S** - LED FIXED POSITION

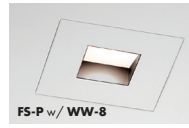


**M2S-S** - LED MIRROR REFLECTOR - SQUARE

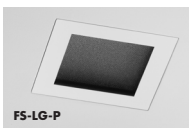
**J2S/K2S/M2S** - LAMP MODULES




**FS-P**



**FS-P w/ WW-8**



**FS-LG-P**



**FS-P w/ M2S-S**

**FS-P/FS-LG-P** SEAMLESS SERIES TRIMS

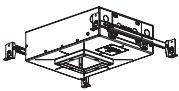

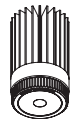

804D-S - SPECIFICATION SUMMARY

	Static White Standard Output				Static White High Output		Warm Dimming		Tunable White
	HI-2-27	HI-2	HI-27	HI	HI-27	HI	WD	WD-2	TW
LED Option	HI-2-27	HI-2	HI-27	HI	HI-27	HI	WD	WD-2	TW
Delivered Lumens	971-1050	1044-1129	968-1042	1041-1120	1262-1369	1357-1472	837-923	834-915	1018
System Wattage	14.5	14.5	14	14	20	20	14.5	14.5	14
Efficacy	67-72	72-78	69-74	74-80	63-68	68-74	58-64	58-63	73
CRI	94	94	94	94	94	93	97	97	95
R9	62	63	59	60	57	58	81	77	79
CCT	2700K	3000K	2700K	3000K	2700K	3000K	3000-1800K	2800-2200K	4700-2200K
Optic Options	10		15, 25, 40				15, 25, 40		15T, 25, 40
Color Consistency	2-Step					3-Step			
Optical Accessories	Narrow, Medium, Wide, Extra Wide, Linear Spread, and 2400K, 2700K, 3500K Color Filters								
Adjustability	<b>J2S:</b> 0-45° Tilt, 360° Rotation, Lockable / <b>K2S:</b> Fixed / <b>M2S:</b> 35-90° Tilt, 90° Rotation, Lockable								
Dimming Options	<1% Forward/Reverse Phase (120v), 0.1/1% 0-10v (120-277v), 0.1/1% DALI (120-277v), 0.1% DMX (120-277v), 0.1/1% EcoSystem (120 or 277v)								
Trim Options	Square Flat, Square Wall-Wash								
Finish Options	White, Oil-Rubbed Bronze, Polished Nickel, Satin Nickel, Black								
Trim Mounting Options	Flangeless Sheetrock								
Trim Lens Options	UL Wet Listed and IP54 Rated - Clear, Soft Focus, Wall-Wash								
Housing Options	New Construction: Type Non-IC Air-Tight, Type IC-CP Rated CCEA Approved Air-Tight								

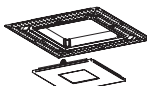
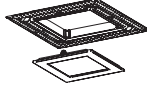
Performance data shown for J2S and K2S Lamp Modules with FS-P-1-LG/NL trim.  
 Warm Dimming data shown for 3000K and 2800K.  
 Tunable White data shown for 3000K.  
 See Performance Summaries for additional information.

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

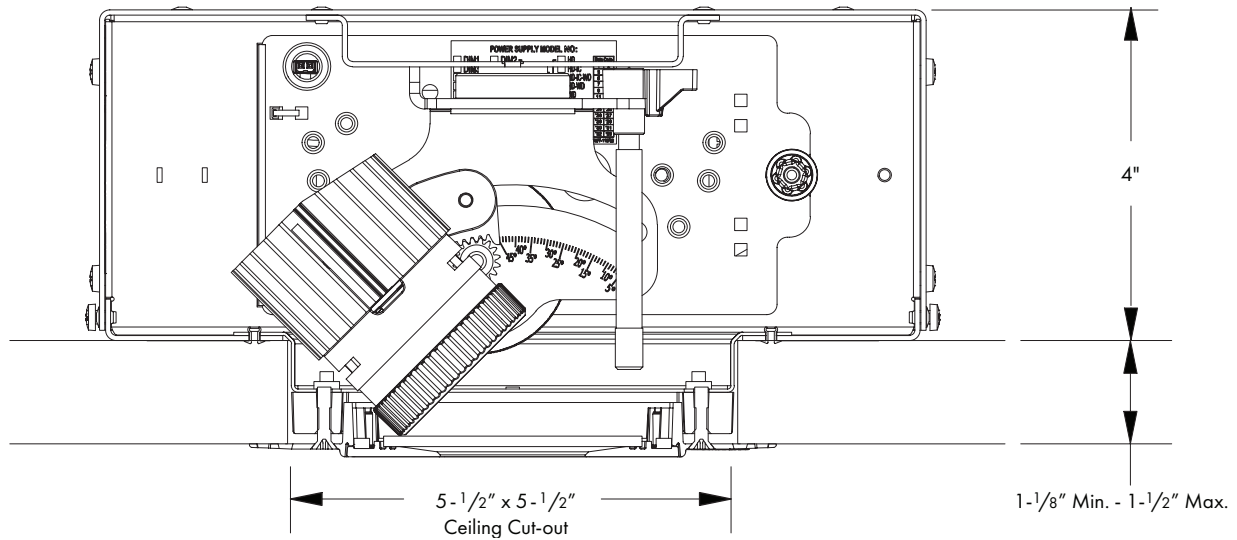
**804D-S** /

HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DIMMING OPTIONS	OUTPUT	MOUNTING ACCESSORIES
 <p><b>804D-S</b> New Construction – Low Profile AIRTIGHT-IC and Non-IC Rated for Deep Ceiling Applications with SQUARE Trims 10"W* x 14"L* x 4"H *Add 3" to length or width to accommodate mounting accessories assemblies.</p>	 <p><b>J2S</b> LED ADJUSTABLE 45° tilt, full 360° rotation with tool-less locking</p>  <p><b>K2S</b> LED FIXED POSITION</p>  <p><b>M2S-S*</b> LED MIRROR REFLECTOR 4" SQUARE module w/ integral trim plate *For use with FS trim only.</p>	<p><b>HI-27</b> 2700K White LED</p> <p><b>HI</b> 3000K White LED</p> <p><b>HI-2-27*</b> 2700K 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> 4700-2200K Tunable White LED</p> <p>*For use with 10° optic only. Available in standard output only.</p> <p>†Available in standard output only.</p> <p>††Available in standard output only. Available with J2S LED lamp module only.</p>	<p><b>10*</b> 10° Very Narrow Spot</p> <p><b>15†</b> 15° Narrow Spot</p> <p><b>15T**</b> 15° Narrow Spot - Tunable White</p> <p><b>25††</b> 25° Narrow Flood</p> <p><b>40††</b> 40° Flood</p> <p>*For use with HI-2 LED option only</p> <p>†For use with HI, WD, or WD-2 LED options only</p> <p>**For use with TW LED option only.</p> <p>††For use with HI, WD, WD-2, or TW LED options only.</p>	<p><b>NSP</b> Narrow Softening Lens</p> <p><b>NFL</b> Medium Softening Lens</p> <p><b>FL</b> Wide Softening Lens</p> <p><b>WFL</b> Extra Wide Softening Lens</p> <p><b>LS</b> Linear Spread Lens</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>*For use with HI and HI-2 3000K LED options only.</p>	<p><b>PR1-8</b> Premium Forward or Reverse-Phase &lt;1% Dimming</p> <p><b>EL1-8</b> EldoLED 0-10v 1% Dimming</p> <p><b>EL1-01-8</b> EldoLED 0-10v 0.1% Dimming</p> <p><b>EL2-8</b> EldoLED DALI 1% Dimming</p> <p><b>EL2-01-8</b> EldoLED DALI 0.1% 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>LU2-8</b> Lutron Hi-Lume LDE1 Eco-System 1% Dimming</p> <p><b>LU4-8</b> Lutron Hi-Lume PEQOE EcoSystem 0.1% Dimming</p> <p>*Available 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. Not available w/ LU2-8 or LU4-8 dimming options.</p> <p>†For use with EL3-8, EL4-8, EL5-8, or LU5-8 dimming options only.</p>	<p><b>BH</b> Bar Hangers for joist mounting</p> <p><b>BB</b> Butterfly Brackets for c-channel or bar mounting</p> <p><b>TBC-BH</b> T-Bar Mounting Clips + Bar Hangers for T-Bar mounting</p> <p><b>PMB</b> Panel Mounting Brackets (set of two) for direct mounting to wood panels</p>

TRIM PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

TRIM	TRIM APPLICATION	TRIM FINISH	TRIM ACCESSORY (for J2S or K2S lamp modules only)
 <p><b>FS*</b> SQUARE flangeless trim 4" SQUARE trim plate w/ 1-3/4" aperture installs flush with finished ceiling *No trim plate included when specified with M2S LED lamp module</p>  <p><b>FS-LG†</b> SQUARE flangeless trim 4" SQUARE trim plate w/ 2-3/4" aperture installs flush with finished ceiling †Includes solite soft focus lens installed standard</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>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. ††Specialty finish. Not available with M2S lamp module.</p>	<p><b>CL*</b> CLEAR LENS installed in trim plate</p> <p><b>SF*</b> SOFT FOCUS LENS installed in trim plate</p> <p><b>NL</b> NO LENS installed in trim plate</p> <p><b>WW-8*</b> WALL WASH accessory (for use with J2S LED lamp module only) *UL WET LISTED and IP54 Rated for use in DRY, DAMP, or WET locations (covered ceiling applications only). Approved for use in residential steam applications. Not for use in commercial steam applications.</p>

## 804D-S w/ FS-P/FS-LG-P FLANGELESS TRIM - CROSS SECTION



### Housing and Installation Notes

**804D-S** Low Profile universal IC and Non-IC Rated housing for deep ceiling applications with SQUARE trims. Designed for use with BASWA Acoustic 30mm thick ceiling systems. 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. 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 **LU2-8** dimming option, ambient temperatures should not exceed 25°C (77°F). Accepts **J2S**, **K2S** and **M2S** LED Lamp Modules and SQUARE Seamless Series flangeless trims for plaster/sheetrock ceiling applications.

### Lamp Module, LED, Optic Option, and Accessory Notes

**J2S** Fully adjustable lamp module features patented tool-free adjustment mechanism. 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. **K2S** Fixed position lamp module for general lighting applications. **M2S** Adjustable lamp module features 35-90° vertical\* and 90° horizontal adjustment. \*Vertical adjustment range based on ceiling thickness and trim type used. See Page 12 for additional details. To ensure fixture to fixture color consistency, use of the same LED option with adjacent fixtures is recommended. One field interchangeable optic option included standard. Up to two additional optical accessories can be accommodated.

### Dimming and Output Option Notes

0-10v dimming options are configured for linear control. DALI dimming options are configured for logarithmic control. No.8 Lighting conducts extensive testing to establish compatibility with many dimmer types. For a complete list of compatible dimmers, see [8lighting.com/resources-downloads](http://8lighting.com/resources-downloads). Outputs vary depending on LED type, trim type, and optical accessories used. For photometric files in PDF and IES formats, see [8lighting.com/800-series-photometry](http://8lighting.com/800-series-photometry).

### Warranty

All No. 8 Lighting products are covered by a 5 year limited warranty. Products installed in residential steam applications are covered by a 2 year limited warranty. For specific warranty details and limitations, see [8lighting.com/resources-downloads](http://8lighting.com/resources-downloads).

JA8-2022 CA Title 24 Compliant

## 804D-S/J2S w/ FS-P 1.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	737-883	14	53-63
HI	1000	3000K	94	60	792-949	14	57-68
HI-27	1400	2700K	94	57	962-1141	20	48-57
HI	1400	3000K	93	58	1034-1227	20	52-61
HI-2-27	1000	2700K	94	62	955	14.5	66
HI-2	1000	3000K	94	63	1027	14.5	71
WD	1000-WD	3000-1800K	97	82	602-735	14.5	42-51
WD-2	1000-WD	2800-2200K	96	78	598-731	14.5	41-50
TW	1000-TW	4700-2200K	95	79	672-943	14	48-67

Performance summary for HI LED with 15°, 25°, and 40° optic options and HI-2 LED with 10° optic option.

Performance summary for WD LED at 3000K and WD-2 LED at 2800K with 15°, 25°, and 40° optic options.

Performance summary for TW LED at 3000K with 15°, 25°, and 40° optic options.

## 804D-S/J2S w/ 1.75" APERTURE TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

OPTIC OPTIONS	LED OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
		+ NSP	+ NFL	+ FL	+ WFL	+ LS
10° Very Narrow Spot	HI-2	14°	25°	44°	47°	13° x 39°
15° Narrow Spot	HI	21°	30°	45°	51°	21° x 40°
15° Narrow Spot	WD/WD-2	24°	31°	36°	50°	25° x 41°
15° Narrow Spot	TW	21°	27°	37°	38°	25° x 30°
25° Narrow Flood	HI	28°	34°	47°	52°	30° x 39°
25° Narrow Flood	WD/WD-2	29°	34°	46°	52°	32° x 38°
25° Narrow Flood	TW	28°	37°	46°	50°	29° x 43°
40° Flood	HI	41°	43°	43°	59°	40° x 52°
40° Flood	WD/WD-2	37°	40°	49°	54°	37° x 47°
40° Flood	TW	37°	40°	49°	54°	36° x 48°

\*Beam enhancing lens used in combination with 10°, 15°, 25°, or 40° optic to achieve desired beam spread.

# 804D-S/J2S w/ FS-P 1.75" APERTURE TRIM - CONE OF LIGHT DIAGRAMS

	10° - Very Narrow Spot	15° - Narrow Spot	25° - Narrow Flood	40° - Flood		
STANDARD OUTPUT	<b>804D-S/J2S-HI-2-10/1000</b> 2ft - 3,938 fc      Ø0.4 ft 4ft - 985 fc      Ø0.8 ft 6ft - 438 fc      Ø1.2 ft 8ft - 246 fc      Ø1.5 ft 10ft - 158 fc      Ø1.9 ft CBCP: 15,774 cd	<b>804D-S/J2S-HI-15/1000</b> 2ft - 1,426 fc      Ø0.7 ft 4ft - 356 fc      Ø1.3 ft 6ft - 158 fc      Ø2.0 ft 8ft - 89 fc      Ø2.6 ft 10ft - 57 fc      Ø3.3 ft CBCP: 5,723 cd	<b>804D-S/J2S-HI-25/1000</b> 2ft - 736 fc      Ø1.0 ft 4ft - 184 fc      Ø1.9 ft 6ft - 82 fc      Ø2.9 ft 8ft - 46 fc      Ø3.9 ft 10ft - 29 fc      Ø4.8 ft CBCP: 2,952 cd	<b>804D-S/J2S-HI-40/1000</b> 2ft - 435 fc      Ø1.5 ft 4ft - 109 fc      Ø3.0 ft 6ft - 48 fc      Ø4.4 ft 8ft - 27 fc      Ø5.9 ft 10ft - 17 fc      Ø7.4 ft CBCP: 1,739 cd		
	HIGH OUTPUT	<b>804D-S/J2S-HI-15/1400</b> 2ft - 1,854 fc      Ø0.7 ft 4ft - 464 fc      Ø1.3 ft 6ft - 206 fc      Ø2.0 ft 8ft - 116 fc      Ø2.6 ft 10ft - 74 fc      Ø3.3 ft CBCP: 7,456 cd	<b>804D-S/J2S-HI-25/1400</b> 2ft - 965 fc      Ø1.0 ft 4ft - 241 fc      Ø1.9 ft 6ft - 107 fc      Ø2.9 ft 8ft - 60 fc      Ø3.9 ft 10ft - 39 fc      Ø4.8 ft CBCP: 3,881 cd	<b>804D-S/J2S-HI-40/1400</b> 2ft - 568 fc      Ø1.5 ft 4ft - 142 fc      Ø3.0 ft 6ft - 63 fc      Ø4.4 ft 8ft - 35 fc      Ø5.9 ft 10ft - 23 fc      Ø7.4 ft CBCP: 2,275 cd		
		STANDARD OUTPUT - WARM DIM	<b>804D-S/J2S-WD-15/1000-WD</b> 2ft - 871 fc      Ø0.8 ft 4ft - 218 fc      Ø1.6 ft 6ft - 97 fc      Ø2.4 ft 8ft - 54 fc      Ø3.3 ft 10ft - 35 fc      Ø4.1 ft CBCP: 3,498 cd	<b>804D-S/J2S-WD-25/1000-WD</b> 2ft - 533 fc      Ø1.0 ft 4ft - 133 fc      Ø2.0 ft 6ft - 59 fc      Ø3.1 ft 8ft - 33 fc      Ø4.1 ft 10ft - 21 fc      Ø5.1 ft CBCP: 2,136 cd	<b>804D-S/J2S-WD-40/1000-WD</b> 2ft - 401 fc      Ø1.3 ft 4ft - 100 fc      Ø2.6 ft 6ft - 45 fc      Ø4.0 ft 8ft - 25 fc      Ø5.3 ft 10ft - 16 fc      Ø6.6 ft CBCP: 1,605 cd	
			STANDARD OUTPUT - TUNABLE WHITE	<b>804D-S/J2S-TW-15T/1000-TW</b> 2ft - 1,730 fc      Ø0.8 ft 4ft - 432 fc      Ø1.5 ft 6ft - 192 fc      Ø2.3 ft 8ft - 108 fc      Ø3.1 ft 10ft - 69 fc      Ø3.9 ft CBCP: 6,919 cd	<b>804D-S/J2S-TW-25/1000-TW</b> 2ft - 606 fc      Ø1.0 ft 4ft - 152 fc      Ø2.0 ft 6ft - 67 fc      Ø3.0 ft 8ft - 38 fc      Ø4.0 ft 10ft - 24 fc      Ø5.0 ft CBCP: 2,424 cd	<b>804D-S/J2S-TW-40/1000-TW</b> 2ft - 430 fc      Ø1.3 ft 4ft - 108 fc      Ø2.7 ft 6ft - 48 fc      Ø4.0 ft 8ft - 27 fc      Ø5.4 ft 10ft - 17 fc      Ø6.7 ft CBCP: 1,722 cd

Performance shown for 3000K. Output varies by CCT.

## 804D-S/J2S w/ FS-LG-P/NL 2.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
<b>HI-27</b>	1000	2700K	94	59	838-968	14	60-69
<b>HI</b>	1000	3000K	94	60	901-1041	14	64-74
<b>HI-27</b>	1400	2700K	94	57	1098-1262	20	55-63
<b>HI</b>	1400	3000K	93	58	1181-1357	20	59-68
<b>HI-2-27</b>	1000	2700K	94	62	971	14.5	67
<b>HI-2</b>	1000	3000K	94	63	1044	14.5	72
<b>WD</b>	1000-WD	3000-1800K	97	82	727-837	14.5	50-58
<b>WD-2</b>	1000-WD	2800-2200K	96	77	728-834	14.5	40-58
<b>TW</b>	1000-TW	4700-2200K	95	79	803-1018	14	57-73

Performance summary for **HI** LED with 15°, 25°, and 40° optic options and **HI-2** LED with 10° optic option.

Performance summary for **WD** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

Performance summary for **TW** LED at 3000K with 15°, 25°, and 40° optic options.

## 804D-S/J2S w/ 2.75" APERTURE TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

OPTIC OPTIONS	LED OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
		+ NSP	+ NFL	+ FL	+ WFL	+ LS
<b>10°</b> Very Narrow Spot	HI-2	14°	24°	43°	47°	13° x 39°
<b>15°</b> Narrow Spot	HI	21°	31°	54°	67°	22° x 48°
<b>15°</b> Narrow Spot	WD/WD-2	24°	33°	54°	66°	26° x 48°
<b>15°</b> Narrow Spot	TW	23°	30°	48°	54°	27° x 34°
<b>25°</b> Narrow Flood	HI	29°	37°	57°	71°	30° x 55°
<b>25°</b> Narrow Flood	WD/WD-2	31°	38°	58°	70°	70° x 71°
<b>25°</b> Narrow Flood	TW	30°	37°	57°	69°	31° x 53°
<b>40°</b> Flood	HI	42°	45°	46°	80°	41° x 63°
<b>40°</b> Flood	WD/WD-2	39°	44°	64°	77°	76° x 77°
<b>40°</b> Flood	TW	38°	43°	63°	76°	37° x 61°

\*Beam enhancing lens used in combination with 10°, 15°, 25°, or 40° optic to achieve desired beam spread.

# 804D-S/J2S w/ FS-LG-P/NL 2.75" APERTURE TRIM - CONE OF LIGHT DIAGRAMS

STANDARD OUTPUT	10° - Very Narrow Spot 804D-S/J2S-HI-2-10/1000	15° - Narrow Spot 804D-S/J2S-HI-15/1000	25° - Narrow Flood 804D-S/J2S-HI-25/1000	40° - Flood 804D-S/J2S-HI-40/1000
	2ft - 3,948 fc      Ø0.4 ft 4ft - 987 fc      Ø0.8 ft 6ft - 439 fc      Ø1.2 ft 8ft - 247 fc      Ø1.5 ft 10ft - 158 fc      Ø1.9 ft CBCP: 15,837 cd	2ft - 1,425 fc      Ø0.7 ft 4ft - 356 fc      Ø1.3 ft 6ft - 158 fc      Ø2.0 ft 8ft - 89 fc      Ø2.7 ft 10ft - 57 fc      Ø3.3 ft CBCP: 5,723 cd	2ft - 728 fc      Ø1.0 ft 4ft - 182 fc      Ø2.0 ft 6ft - 81 fc      Ø3.0 ft 8ft - 46 fc      Ø4.0 ft 10ft - 29 fc      Ø5.0 ft CBCP: 2,935 cd	2ft - 436 fc      Ø1.5 ft 4ft - 109 fc      Ø3.0 ft 6ft - 48 fc      Ø4.6 ft 8ft - 27 fc      Ø6.1 ft 10ft - 17 fc      Ø7.6 ft CBCP: 1,747 cd
HIGH OUTPUT		15° - Narrow Spot 804D-S/J2S-HI-15/1400	25° - Narrow Flood 804D-S/J2S-HI-25/1400	40° - Flood 804D-S/J2S-HI-40/1400
		2ft - 1,868 fc      Ø0.7 ft 4ft - 467 fc      Ø1.3 ft 6ft - 208 fc      Ø2.0 ft 8ft - 117 fc      Ø2.6 ft 10ft - 75 fc      Ø3.3 ft CBCP: 7,527 cd	2ft - 962 fc      Ø1.0 ft 4ft - 241 fc      Ø2.0 ft 6ft - 107 fc      Ø3.0 ft 8ft - 60 fc      Ø4.0 ft 10ft - 38 fc      Ø5.0 ft CBCP: 3,869 cd	2ft - 571 fc      Ø1.5 ft 4ft - 143 fc      Ø3.0 ft 6ft - 63 fc      Ø4.6 ft 8ft - 36 fc      Ø6.1 ft 10ft - 23 fc      Ø7.6 ft CBCP: 2,286 cd
STANDARD OUTPUT - WARM DIM		15° - Narrow Spot 804D-S/J2S-WD-15/1000-WD	25° - Narrow Flood 804D-S/J2S-WD-25/1000-WD	40° - Flood 804D-S/J2S-WD-40/1000-WD
		2ft - 862 fc      Ø0.8 ft 4ft - 215 fc      Ø1.7 ft 6ft - 96 fc      Ø2.5 ft 8ft - 54 fc      Ø3.4 ft 10ft - 34 fc      Ø4.2 ft CBCP: 3,448 cd	2ft - 534 fc      Ø1.1 ft 4ft - 133 fc      Ø2.1 ft 6ft - 59 fc      Ø3.2 ft 8ft - 33 fc      Ø4.3 ft 10ft - 21 fc      Ø5.4 ft CBCP: 2,136 cd	2ft - 399 fc      Ø1.4 ft 4ft - 100 fc      Ø2.8 ft 6ft - 44 fc      Ø4.2 ft 8ft - 25 fc      Ø5.6 ft 10ft - 16 fc      Ø7.0 ft CBCP: 1,598 cd
STANDARD OUTPUT - TUNABLE WHITE		15° - Narrow Spot 804D-S/J2S-TW-15T/1000-TW	25° - Narrow Flood 804D-S/J2S-TW-25/1000-TW	40° - Flood 804D-S/J2S-TW-40/1000-TW
		2ft - 1,403 fc      Ø0.8 ft 4ft - 351 fc      Ø1.6 ft 6ft - 156 fc      Ø2.5 ft 8ft - 88 fc      Ø3.3 ft 10ft - 56 fc      Ø4.1 ft CBCP: 5,613 cd	2ft - 606 fc      Ø1.0 ft 4ft - 151 fc      Ø2.1 ft 6ft - 67 fc      Ø3.1 ft 8ft - 38 fc      Ø4.2 ft 10ft - 24 fc      Ø5.2 ft CBCP: 2,423 cd	2ft - 427 fc      Ø1.4 ft 4ft - 107 fc      Ø2.8 ft 6ft - 47 fc      Ø4.2 ft 8ft - 27 fc      Ø5.6 ft 10ft - 17 fc      Ø7.0 ft CBCP: 1,708 cd

Performance shown for 3000K. Output varies by CCT.

**804D-S/J2S w/ FS-P TRIM + WW-8 WALL WASH ACCESSORY - PERFORMANCE SUMMARY**

LED	OUTPUT	OPTIC OPTION	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	40	2700K	94	57	617	14	44
HI	1000	40	3000K	94	58	663	14	47
HI-27	1400	40	2700K	94	55	801	20	40
HI	1400	40	3000K	93	56	861	20	43
HI-2-27	1000	10-FL	2700K	94	61	471	14.5	32
HI-2	1000	10-FL	3000K	94	62	506	14.5	35
WD	1000-WD	40	3000-1800K	97	83	532	14.5	37
WD-2	1000-WD	40	2800-2200K	97	78	528	14.5	36
TW	1000-TW	40	4700-2200K	96	80	568	14	41

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

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

DISTANCE TO WALL		2.0 ft						2.5 ft						
ON CENTER SPACING			2.0 ft			2.5 ft			2.5 ft			3.0 ft		
	DISTANCE FROM CEILING	0.5 ft	1.0	1.1	1.0	0.9	0.8	0.9	0.3	0.3	0.3	0.3	0.2	0.3
		1.5 ft	27.3	31.0	27.3	25.1	25.0	25.1	13.4	14.8	13.4	12.6	12.1	12.6
		2.5 ft	28.0	32.6	28.0	25.2	28.8	25.2	19.6	22.8	19.6	18.1	20.0	18.1
		3.5 ft	18.4	20.8	18.4	16.7	19.3	16.7	16.1	18.7	16.1	14.8	17.2	14.8
		4.5 ft	11.3	12.4	11.3	10.5	11.8	10.5	11.2	12.7	11.2	10.4	12.0	10.4
		5.5 ft	7.1	7.6	7.1	6.7	7.3	6.7	7.6	8.4	7.6	7.1	8.0	7.1
		6.5 ft	4.6	4.9	4.6	4.4	4.8	4.4	5.2	5.6	5.2	4.9	5.4	4.9
		7.5 ft	3.1	3.3	3.1	3.0	3.2	3.0	3.6	3.9	3.6	3.5	3.8	3.5
		8.5 ft	2.2	2.3	2.2	2.2	2.3	2.2	2.6	2.8	2.6	2.5	2.7	2.5
		9.5 ft	1.6	1.7	1.6	1.6	1.6	1.6	1.9	2.0	1.9	1.9	2.0	1.9

Note: With **HI** LED option, use 40° optic and 20° aiming angle for optimal performance. Data shown for 3000K CCT.

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

DISTANCE TO WALL		2.0 ft						2.5 ft						
ON CENTER SPACING			2.0 ft			2.5 ft			2.5 ft			3.0 ft		
	DISTANCE FROM CEILING	0.5 ft	1.3	1.5	1.3	1.3	1.0	1.3	0.4	0.4	0.4	0.4	0.3	0.4
		1.5 ft	35.4	40.2	35.4	32.5	32.4	32.5	17.3	19.2	17.3	16.3	15.7	16.3
		2.5 ft	36.3	42.4	36.3	32.8	37.4	32.8	25.5	29.6	25.5	23.5	26.0	23.5
		3.5 ft	23.9	27.1	23.9	21.7	25.1	21.7	20.9	24.2	20.9	19.2	22.3	19.2
		4.5 ft	14.7	16.1	14.7	13.6	15.3	13.6	14.6	16.5	14.6	13.5	15.6	13.5
		5.5 ft	9.2	9.9	9.2	8.7	9.5	8.7	9.9	10.9	9.9	9.3	10.4	9.3
		6.5 ft	6.0	6.4	6.0	5.8	6.2	5.8	6.8	7.3	6.8	6.4	7.1	6.4
		7.5 ft	4.1	4.3	4.1	3.9	4.2	3.9	4.7	5.0	4.7	4.6	4.9	4.6
		8.5 ft	2.9	3.0	2.9	2.8	2.9	2.8	3.4	3.6	3.4	3.3	3.5	3.3
		9.5 ft	2.1	2.2	2.1	2.0	2.1	2.0	2.5	2.6	2.5	2.5	2.6	2.5

Note: With **HI** LED option, use 40° optic and 20° aiming angle for optimal performance. Data shown for 3000K CCT.



**804D-S/J2S-HI-2-10-FL/1000 w/ FS-P TRIM + WW-8 WALL WASH ACCESSORY – FOOTCANDLES ON WALL**

DISTANCE TO WALL		2.0 ft						2.5 ft						
ON CENTER SPACING			2.0 ft			2.5 ft			2.5 ft			3.0 ft		
	DISTANCE FROM CEILING	0.5 ft	0.3	0.3	0.3	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.1
		1.5 ft	14.4	15.2	14.4	13.0	11.8	13.0	5.6	5.7	5.6	5.2	4.5	5.2
		2.5 ft	20.2	22.2	20.2	17.9	19.2	17.9	12.7	13.9	12.7	11.5	12.0	11.5
		3.5 ft	14.8	16.0	14.8	13.4	14.7	13.4	12.1	13.3	12.1	11.0	12.1	11.0
		4.5 ft	9.6	10.1	9.6	8.9	9.6	8.9	9.1	9.8	9.1	8.4	9.2	8.4
		5.5 ft	6.2	6.4	6.2	5.8	6.2	5.8	6.4	6.8	6.4	6.0	6.5	6.0
		6.5 ft	4.1	4.2	4.1	3.9	4.1	3.9	4.5	4.7	4.5	4.3	4.5	4.3
		7.5 ft	2.8	2.9	2.8	2.7	2.8	2.7	3.2	3.3	3.2	3.1	3.2	3.1
		8.5 ft	2.0	2.0	2.0	1.9	2.0	1.9	2.3	2.4	2.3	2.2	2.3	2.2
		9.5 ft	1.5	1.5	1.5	1.4	1.4	1.4	1.7	1.8	1.7	1.7	1.7	1.7

Note: With HI-2 LED option, use 10° optic + FL lens and 20° aiming angle for optimal performance. Data shown for 3000K CCT.

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

DISTANCE TO WALL		2.0 ft						2.5 ft						
ON CENTER SPACING			2.0 ft			2.5 ft			2.5 ft			3.0 ft		
	DISTANCE FROM CEILING	0.5 ft	1.1	1.4	1.1	1.0	0.9	1.0	0.3	0.4	0.3	0.3	0.3	0.3
		1.5 ft	21.8	25.5	21.8	19.8	20.3	19.8	10.5	12.0	10.5	9.7	9.8	9.7
		2.5 ft	23.8	28.4	23.8	21.2	24.9	21.2	16.3	19.5	16.3	14.9	17.0	14.9
		3.5 ft	16.0	18.2	16.0	14.4	16.9	14.4	13.8	16.3	13.8	12.6	14.9	12.6
		4.5 ft	9.8	10.8	9.8	9.1	10.3	9.1	11.1	11.1	11.1	9.0	10.5	9.0
		5.5 ft	6.2	6.6	6.2	5.8	6.4	5.8	7.3	7.3	7.3	6.2	7.0	6.2
		6.5 ft	4.0	4.2	4.0	3.8	4.1	3.8	4.9	4.9	4.9	4.3	4.7	4.3
		7.5 ft	2.7	2.8	2.7	2.7	2.8	2.7	3.4	3.4	3.4	3.0	3.3	3.0
		8.5 ft	1.9	2.0	1.9	1.9	2.0	1.9	2.4	2.4	2.4	2.2	2.4	2.2
		9.5 ft	1.4	1.4	1.4	1.4	1.4	1.4	1.7	1.8	1.7	1.6	1.7	1.6

Note: With WD or WD-2 LED option, use 40° optic and 20° aiming angle for optimal performance. Data shown for 3000K CCT.

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

DISTANCE TO WALL		2.0 ft						2.5 ft						
ON CENTER SPACING			2.0 ft			2.5 ft			2.5 ft			3.0 ft		
	DISTANCE FROM CEILING	0.5 ft	1.0	1.3	1.0	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2
		1.5 ft	22.0	24.9	22.0	20.3	20.5	20.3	10.4	11.6	10.4	9.6	9.5	9.6
		2.5 ft	24.7	28.1	24.7	23.3	26.6	23.3	17.3	20.0	17.3	15.9	17.7	15.9
		3.5 ft	16.6	18.1	16.6	16.2	18.4	16.2	15.3	17.3	15.3	14.0	16.1	14.0
		4.5 ft	10.1	10.8	10.1	10.2	11.3	10.2	10.9	12.0	10.9	10.1	11.4	10.1
		5.5 ft	6.3	6.6	6.3	6.5	7.0	6.5	7.4	7.9	7.4	7.0	7.7	7.0
		6.5 ft	4.1	4.2	4.1	4.3	4.5	4.3	5.0	5.3	5.0	4.8	5.2	4.8
		7.5 ft	2.8	2.8	2.8	2.9	3.1	2.9	3.5	3.7	3.5	3.4	3.6	3.4
		8.5 ft	2.0	2.0	2.0	2.1	2.1	2.1	2.5	2.6	2.5	2.4	2.6	2.4
		9.5 ft	1.4	1.4	1.4	1.5	1.6	1.5	1.9	1.9	1.9	1.8	1.9	1.8

Note: With TW LED option, use 40° optic and 20° aiming angle for optimal performance. Data shown for 3000K CCT.

## 804D-S/K2S w/ FS-P 1.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	854-992	14	61-71
HI	1000	3000K	94	60	918-1067	14	66-76
HI-27	1400	2700K	94	57	1123-1309	20	56-65
HI	1400	3000K	93	58	1208-1408	20	60-70
HI-2-27	1000	2700K	94	62	1025	14.5	71
HI-2	1000	3000K	94	63	1102	14.5	76
WD	1000-WD	3000-1800K	97	81	740-871	14.5	51-60
WD-2	1000-WD	2800-2200K	97	78	739-861	14.5	51-59

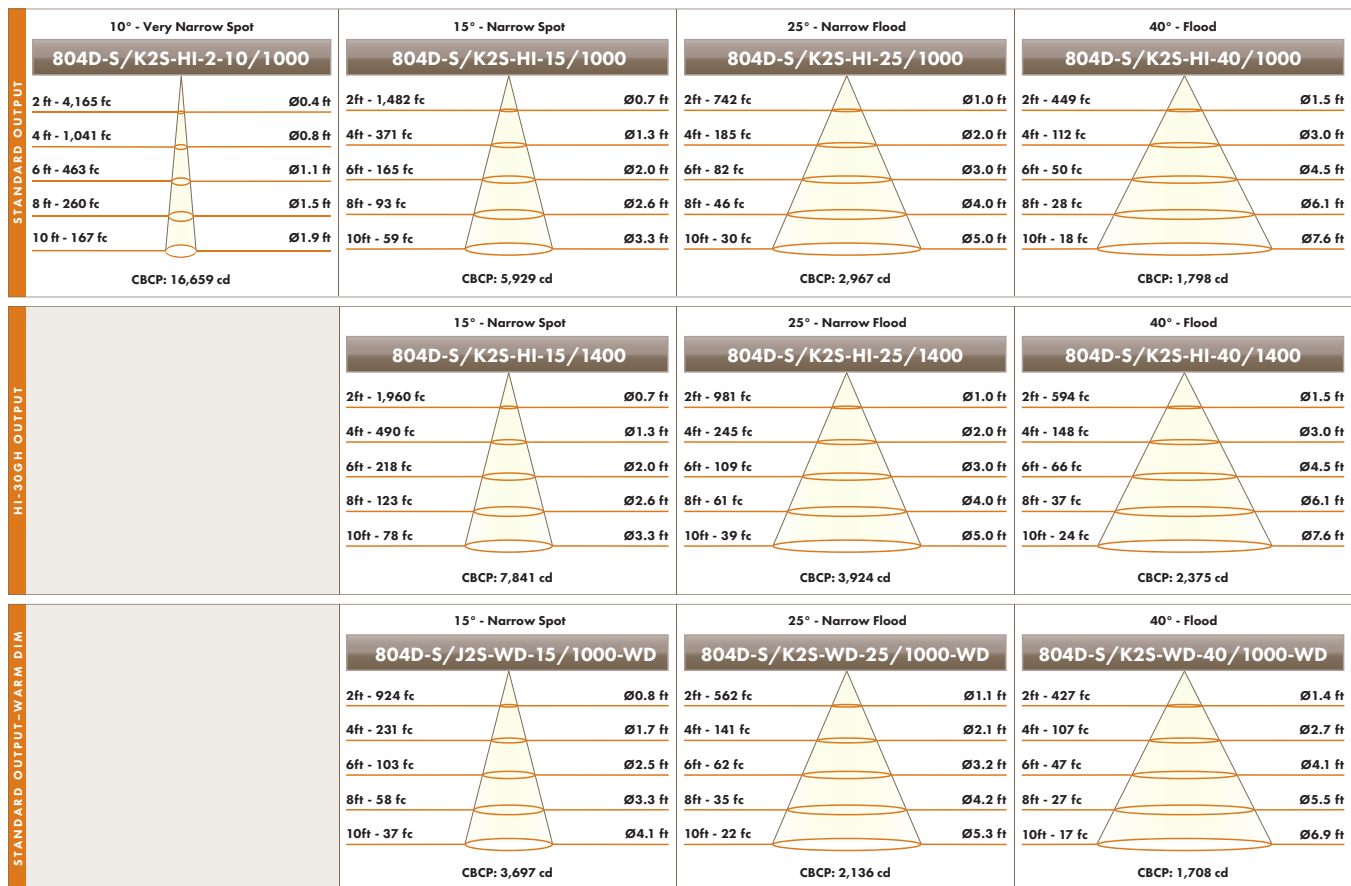
Performance summary for HI LED with 15°, 25°, and 40° optic options and HI-2 LED with 10° optic option.  
Performance summary for WD LED at 3000K and WD-2 LED at 2800K with 15°, 25°, and 40° optic options.

## 804D-S/K2S w/ 1.75" APERTURE TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

OPTIC OPTIONS	LED OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
		+ NSP	+ NFL	+ FL	+ WFL	+ LS
10° Very Narrow Spot	HI-2	14°	25°	42°	44°	13° x 37°
15° Narrow Spot	HI	21°	31°	49°	58°	22° x 39°
15° Narrow Spot	WD/WD-2	25°	33°	51°	61°	36° x 28°
25° Narrow Flood	HI	29°	36°	53°	64°	30° x 48°
25° Narrow Flood	WD/WD-2	30°	37°	54°	64°	32° x 45°
40° Flood	HI	42°	45°	63°	77°	46° x 52°
40° Flood	WD/WD-2	39°	43°	61°	72°	38° x 58°

\*Beam enhancing lens used in combination with 10°, 15°, 25°, or 40° optic to achieve desired beam spread.

## 804D-S/K2S w/ FS-P 1.75" APERTURE TRIM - CONE OF LIGHT DIAGRAMS



Performance shown for 3000K. Output varies by CCT.

## 804D-S/K2S w/ FS-LG-P/NL 2.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	924-1042	14	66-74
HI	1000	3000K	94	60	994-1120	14	71-80
HI-27	1400	2700K	94	57	1229-1369	20	61-68
HI	1400	3000K	93	58	1322-1472	20	66-74
HI-2-27	1000	2700K	94	62	1050	14.5	72
HI-2	1000	3000K	94	63	1129	14.5	78
WD	1000-WD	3000-1800K	97	81	821-923	14.5	57-64
WD-2	1000-WD	2800-2200K	97	78	819-915	14.5	56-63

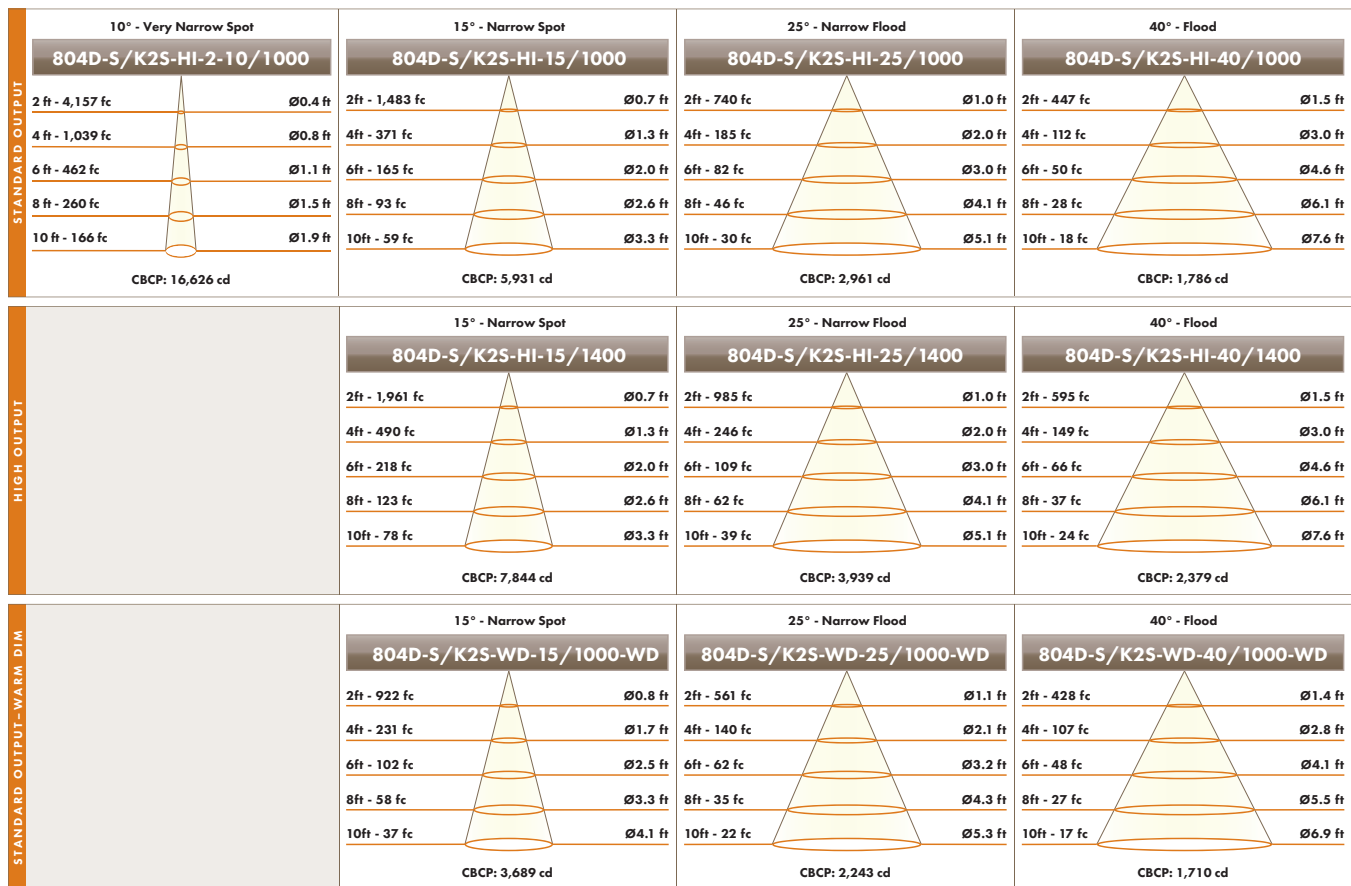
Performance summary for HI LED with 15°, 25°, and 40° optic options and HI-2 LED with 10° optic option.  
Performance summary for WD LED at 3000K and WD-2 LED at 2800K with 15°, 25°, and 40° optic options.

## 804D-S/K2S w/ 2.75" APERTURE TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

OPTIC OPTIONS	LED OPTIONS	BEAM ENHANCING LENS (OPTIONAL)*				
		+ NSP	+ NFL	+ FL	+ WFL	+ LS
10° Very Narrow Spot	HI-2	14°	25°	44°	47°	13° x 39°
15° Narrow Spot	HI	21°	31°	52°	65°	23° x 40°
15° Narrow Spot	WD/WD-2	25°	33°	54°	68°	26° x 36°
25° Narrow Flood	HI	30°	37°	57°	73°	30° x 53°
25° Narrow Flood	WD/WD-2	31°	38°	58°	76°	33° x 47°
40° Flood	HI	42°	46°	66°	88°	46° x 53°
40° Flood	WD/WD-2	39°	44°	64°	85°	39° x 60°

\*Beam enhancing lens used in combination with 10°, 15°, 25°, or 40° optic to achieve desired beam spread.

## 804D-S/K2S w/ FS-LG-P/NL 2.75" APERTURE TRIM - CONE OF LIGHT DIAGRAMS



Performance shown for 3000K. Output varies by CCT.

## 804D-S/M2S-S w/ FS-P TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	93	55	565-686	14	40-49
HI	1000	3000K	93	56	607-738	14	43-53
HI-27	1400	3000K	93	53	734-884	20	37-44
HI	1400	3000K	93	53	786-951	20	39-48
HI-2-27	1000	2700K	93	58	797	14.5	55
HI-2	1000	3000K	93	59	857	14.5	59
WD	1000-WD	3000-1800K	97	78	470-569	14.5	32-39
WD-2	1000-WD	2800-2200K	96	74	469-560	14.5	32-39

Performance summary for **HI** LED with 15°, 25°, and 40° optic options and **HI-2** LED with 10° optic option.  
 Performance summary for **WD** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

## 804D-S/M2S-S w/ FS-P TRIM - VERTICAL AIMING RANGE

