

HOUSING: **804S** – LOW PROFILE

LAMP MODULE: **K2S** – FIXED POSITION | LED

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # 804S/K2S – – – / – /	



No. 8
eight
LIGHTING

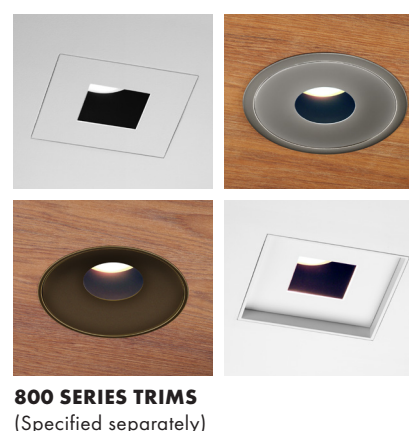
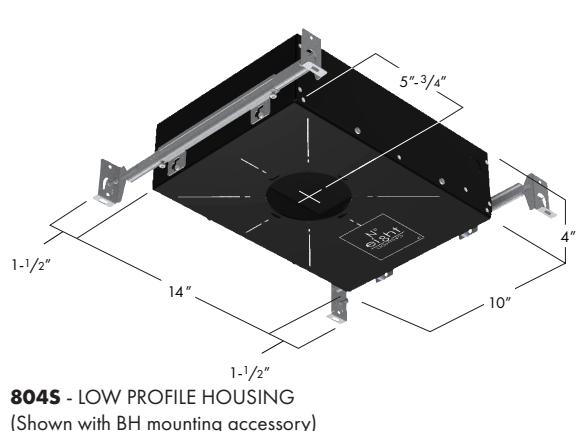
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PRODUCT FEATURES

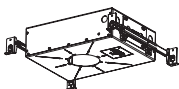


804S/K2S SPECIFICATION SUMMARY

	Static White Standard Output		Static White High Output	Warm Dimming		
LED Option	HI	HI-2	HI	WD	WD-2	WD-4
Delivered Lumens	1120	1129	1472	923	915	964
System Wattage	14	14.5	20	14.5	14.5	14.5
Efficacy	80	78	74	64	63	66
CRI	94	94	93	97	97	96
R9	60	63	58	81	77	76
CCT Options	2700K, 3000K			3000-1800K	2800-2200K	3000-2200K
Optic Options	15, 25, 40	10	15, 25, 40	15, 25, 40		
Color Consistency	2-Step			3-Step		
Optical Accessories	Narrow, Medium, Wide, Extra Wide, Linear Spread, and 2400K, 2700K, 3500K Color Filters					
Adjustability	Fixed Position					
Driver Options	<1% Forward/Reverse Phase (120v), 0.1/1% 0-10v (120-277v), 0.1/1% DALI (120-277v), 0.1/1% EcoSystem (120 or 277v)					
Trim Options	Round/Square Flat, Round/Square Bevel, Round/Square Inset					
Finish Options	White, Oil-Rubbed Bronze, Pewter, Satin Nickel, Black					
Trim Mounting Options	Flanged, Flangeless Sheetrock, Flangeless Wood					
Trim Accessories	UL Wet Listed and IP54 Rated Lens Options - Clear, Soft Focus					
Housing Options	New Construction: Type Non-IC Air-Tight, Type IC-CP Rated CCEA Approved Air-Tight					

Data shown for K2S Lamp Module with FS/FLS/INS-LG/NL trim.
Static White data shown for 3000K.
Warm Dimming data shown for 3000K and 2800K.
See Performance Summaries for additional information.
800 Series Trims specified separately.

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

804S / K2S									
HOUSING	LAMP MODULE	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES (Optional)	DRIVER OPTIONS	OUTPUT	MOUNTING ACCESSORIES		
 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. †Minimum 4 -1/2" ceiling space required when used with INSET and BEVEL Series trim assemblies.	 K2S	HI-27 2700K White LED HI 3000K White LED HI-2-27* 2700K White LED HI-2* 3000K White LED WD† 3000-1800K Warm Dim LED WD-2† 2800-2200K Warm Dim LED WD-4† 3000-2200K Warm Dim LED *For use with 10° optic only. Available in standard output only. †Available in standard output only.	10* 10° Very Narrow Spot 15 15° Narrow Spot 25 25° Narrow Flood 40 40° Flood *For use with HI-2 LED options only.	NSP Narrow Softening Lens NFL Medium Softening Lens FL Wide Softening Lens WFL Extra Wide Softening Lens LS Linear Spread Softening Lens CF24* 2400K Color Filtering Lens CF27* 2700K Color Filtering Lens CF35* 3500K Color Filtering Lens *For use with HI and HI-2 3000K LED options only.	PR1-8 Premium Forward or Reverse-Phase <1% Dimming EL1-8† EldoLED 0-10v 1% Dimming EL1-01-8† EldoLED 0-10v 0.1% Dimming EL2-8† EldoLED DALI 1% Dimming EL2-01-8† EldoLED DALI 0.1% Dimming LU2-8 Lutron Hi-Lume LDE1 EcoSystem 1% Dimming LU4-8 Lutron Hi-Lume PEQOE EcoSystem 0.1% Dimming †Also CE Certified with HI or HI-2 LED options.	350 Standard output for WD, WD-2, or WD-4 LED Options 1000 Standard output for HI, HI-27, HI-2, or HI-2-27 LED Options 1400* High output for HI or HI-27 LED Options *Non-IC only. Not available w/ LU2-8 or LU4-8 dimming options.	BH Bar Hangers for joist mounting BB Butterfly Bracket for 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		

Housing and Installation Notes

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. 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 all **800 Series** Trim Assemblies. For 800 Series Trims (specified separately), see 8lighting.com/products-800-series-led.

Lamp Module, LED, Optic Option, and Accessory Notes

K2S Fixed position lamp module for general lighting applications. 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.

Driver and Output Option Notes

0-10v driver options are configured for linear control. DALI driver 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. 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.

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.

JA8-2025 CA Title 24 Compliant

804S/K2S w/ FS/FLS/INS 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	350	3000-1800K	97	81	740-871	14.5	51-60
WD-2	350	2800-2200K	97	78	739-861	14.5	51-59
WD-4	350	3000-2200K	97	76	788-916	14.5	54-63

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

Performance summary for **WD** and **WD-4** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

804S/K2S w/ FR/FLR/INR 1.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	849-979	14	61-70
HI	1000	3000K	94	60	913-1053	14	65-75
HI-27	1400	2700K	94	57	1125-1305	20	56-65
HI	1400	3000K	93	58	1210-1403	20	61-70
HI-2-27	1000	2700K	94	62	1015	14.5	70
HI-2	1000	3000K	94	63	1091	14.5	75
WD	350	3000-1800K	97	81	757-892	14.5	52-62
WD-2	350	2800-2200K	97	77	743-877	14.5	51-60
WD-4	350	3000-2200K	97	76	775-889	14.5	53-61

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

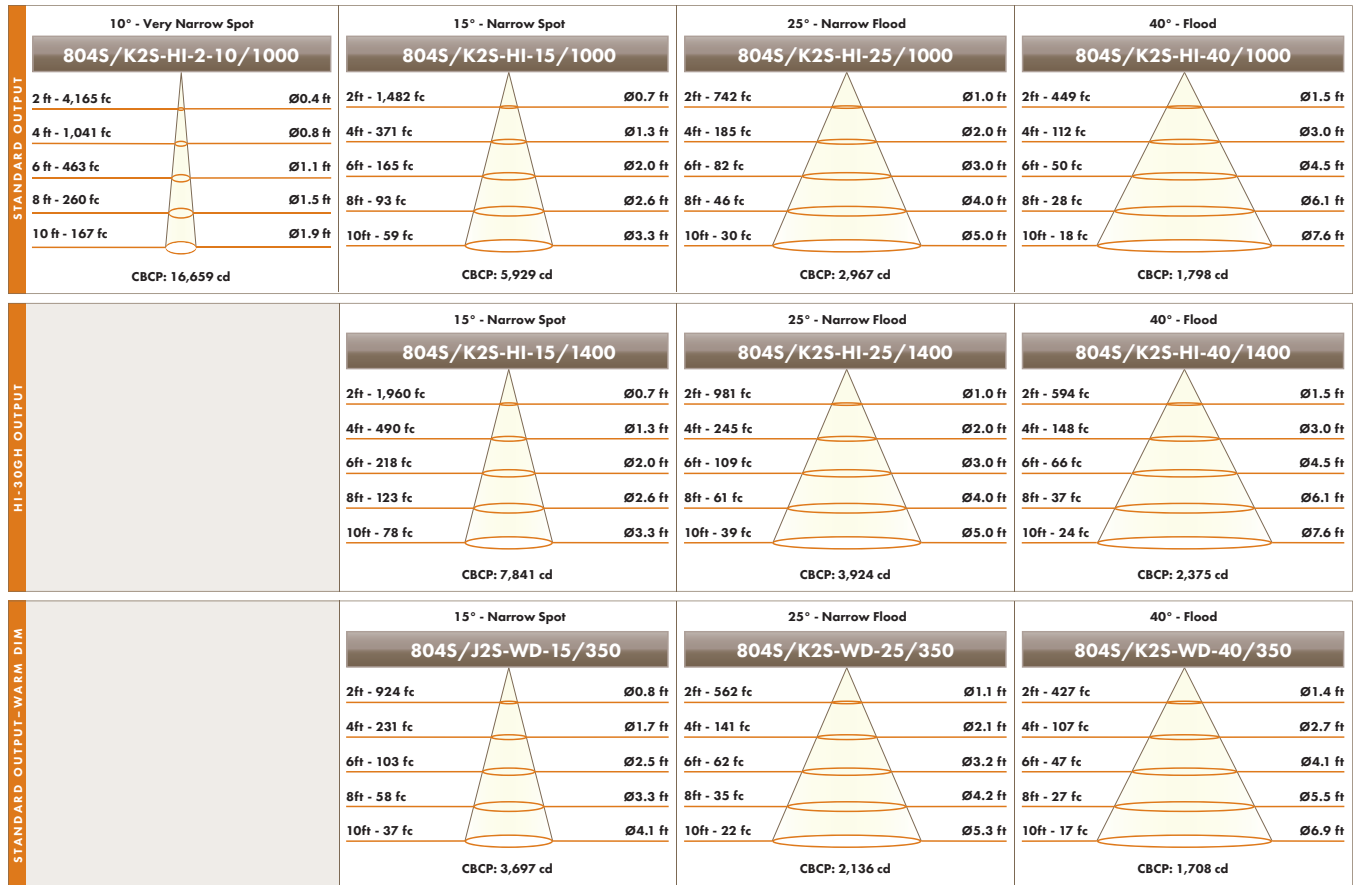
Performance summary for **WD** and **WD-4** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

804S/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/WD-4	25°	33°	51°	61°	36° x 28°
25° Narrow Flood	HI	29°	36°	53°	64°	30° x 48°
25° Narrow Flood	WD/WD-2/WD-4	30°	37°	54°	64°	32° x 45°
40° Flood	HI	42°	45°	63°	77°	46° x 52°
40° Flood	WD/WD-2/WD-4	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.

804S/K2S w/ FS/FLS/INS 1.75" APERTURE TRIM - CONE OF LIGHT DIAGRAMS



Performance shown for 3000K. Output varies by CCT.

804S/K2S w/ FS/FLS/INS-LG/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	350	3000-1800K	97	81	821-923	14.5	57-64
WD-2	350	2800-2200K	97	78	819-915	14.5	56-63
WD-4	350	3000-2200K	97	76	861-964	14.5	59-66

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

Performance summary for **WD** and **WD-4** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

804S/K2S w/ FR/FLR/INR-LG/NL 2.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	925-1052	14	66-75
HI	1000	3000K	94	60	995-1131	14	71-81
HI-27	1400	2700K	94	57	1226-1380	20	61-69
HI	1400	3000K	93	58	1318-1484	20	66-74
HI-2-27	1000	2700K	94	62	1039	14.5	72
HI-2	1000	3000K	94	63	1117	14.5	77
WD	350	3000-1800K	97	81	853-957	14.5	59-66
WD-2	350	2800-2200K	97	78	838-932	14.5	58-64
WD-4	350	3000-2200K	97	76	863-953	14.5	59-66

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

Performance summary for **WD** and **WD-4** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

804S/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/WD-4	25°	33°	54°	68°	26° x 36°
25° Narrow Flood	HI	30°	37°	57°	73°	30° x 53°
25° Narrow Flood	WD/WD-2/WD-4	31°	38°	58°	76°	33° x 47°
40° Flood	HI	42°	46°	66°	88°	46° x 53°
40° Flood	WD/WD-2/WD-4	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.

804S-3/K2S w/ FS/FLS/INS-LG/NL 2.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	2773-3125	42	66-74
HI	1000	3000K	94	60	2982-3360	42	71-80
HI-2-27	1000	2700K	94	62	3150	43.5	72
HI-2	1000	3000K	94	63	3387	43.5	78
WD	350	3000-1800K	97	81	2463-2769	43.5	57-64
WD-2	350	2800-2200K	97	78	2457-2745	43.5	56-63
WD-4	350	3000-2200K	97	76	2583-2892	43.5	59-66

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

Performance summary for **WD** and **WD-4** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

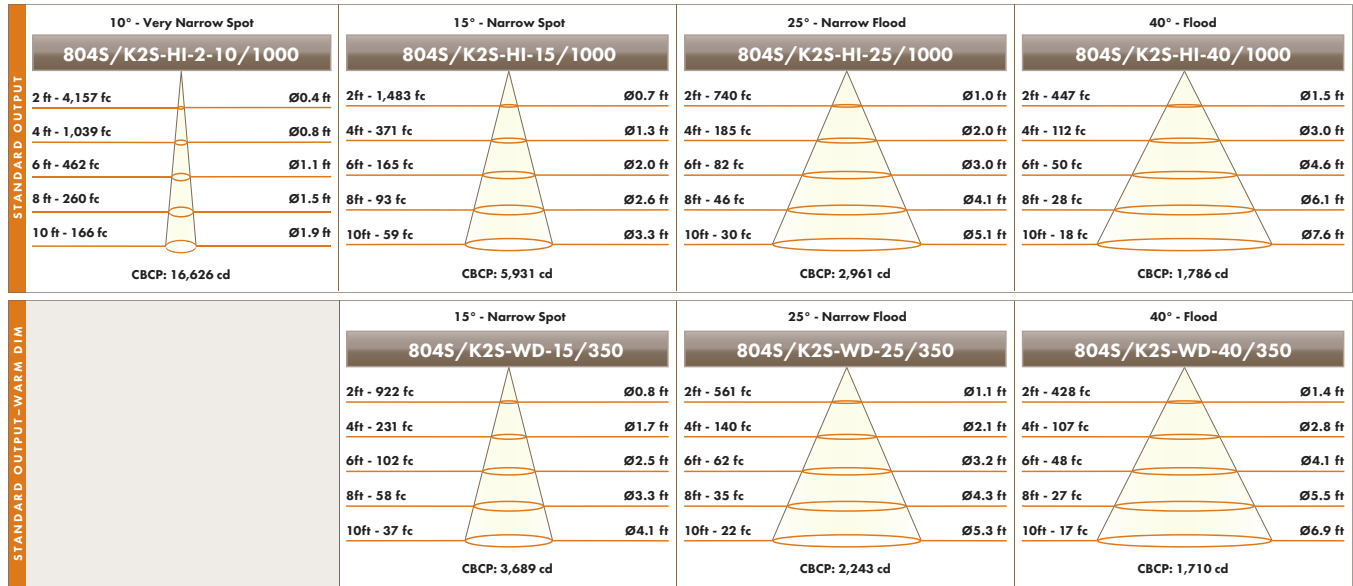
804S-3/K2S w/ FR/FLR/INR-LG/NL 2.75" APERTURE TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	1000	2700K	94	59	2776-3155	42	66-75
HI	1000	3000K	94	60	2985-3393	42	71-81
HI-2-27	1000	2700K	94	62	3116	43.5	72
HI-2	1000	3000K	94	63	3351	43.5	77
WD	350	3000-1800K	97	81	2559-2871	43.5	59-66
WD-2	350	2800-2200K	97	78	2514-2796	43.5	58-64
WD-4	350	3000-2200K	97	76	2589-2859	43.5	59-66

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

Performance summary for **WD** and **WD-4** LED at 3000K and **WD-2** LED at 2800K with 15°, 25°, and 40° optic options.

804S/K2S w/ FS/FLS/INS-LG/NL 2.75" APERTURE TRIM - CONE OF LIGHT DIAGRAMS



Note: Performance shown for individual lamp modules at 3000K. Output varies by CCT.