

200-HD-S NEW CONSTRUCTION ADJUSTABLE LED
FLS-2/FLS-2-BV/FLS-2-WW TRIMS
NON-IC/IC-CP RATED HOUSINGS

Project Name	
Date	Type
Prepared By	
Comments	
Catalog # 200-HD- - - - / - /	
- - - / -	



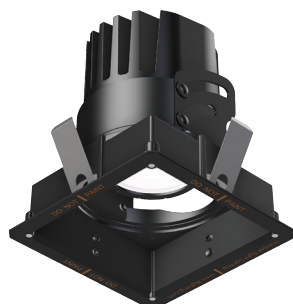
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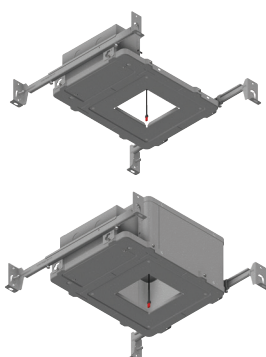
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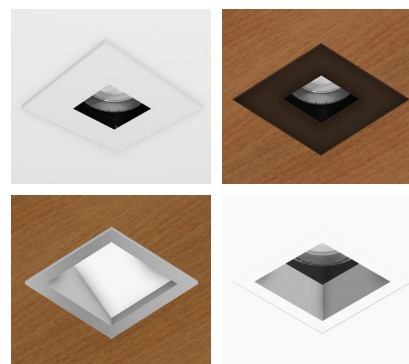
PRODUCT FEATURES



200-HD-S
 SQUARE ADJUSTABLE LIGHT ENGINE



200 SERIES HOUSINGS
 TYPE NON-IC or IC-CP RATED for SQUARE TRIMS



200 SERIES TRIMS
 FLANGED or FLANGELESS

200-HD-S SPECIFICATION SUMMARY

	Static White Non-IC Rated				Static White IC-CP Rated				Warm Dimming Non-IC/IC-CP Rated	
LED Option	HI-2700	HI-3000	HI-3500	HI-4000	HI-2700	HI-3000	HI-3500	HI-4000	WD	WD-2
Delivered Lumens	1942	2026	2065	2130	1597	1666	1698	1751	747	738
System Wattage	26	26	26	26	19.5	19.5	19.5	19.5	14.5	14.5
Efficacy	75	79	80	83	82	85	87	90	51	50
CRI	94	94	94	94	94	94	94	94	97	97
R9	62	64	67	71	62	64	67	71	81	78
CCT	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K	3000-1800K	2800-2200K
Color Consistency	2-Step								3-Step	
Optical Options	15, 25, 40, 60								15-NFL, 25-NFL, 40-NFL, 60-NFL	
Optical Accessories	Narrow, Medium, Wide, Extra Wide, Linear Spread								N/A	
Adjustability	0-30° Tilt, 360° Rotation, Lockable									
Driver Options	1% Forward/Reverse Phase (120v), 0.1/1/5% 0-10v (120-277v), 0.1/1% DALI (120-277v), 0.1/1% EcoSystem (120 or 277v)									
Trim Options	Square Flat, Square Bevel, Square Wall-Wash									
Finish Options	White, Oil-Rubbed Bronze, Satin Aluminum, Satin Aluminum w/ White Flange									
Trim Mounting Options	Flanged, Flangeless Sheetrock, Flangeless Wood/Stone									
Trim Accessories	UL Wet Listed Lens Options - Clear, Soft Focus									
Housing Options	New Construction: Type Non-IC, Type IC-CP Rated CCEA Approved Air-Tight									

Performance data shown with FLS-2-BV Trim.
 Warm Dimming data shown for 3000K and 2800K.
 See Performance Summaries for additional information.

200-HD-

LIGHT ENGINE OPTIONS	LED OPTIONS	OPTIC OPTIONS	OPTICAL ACCESSORIES / (Optional)*	DRIVER OPTIONS	OUTPUT
 Adjustable NEW CONSTRUCTION Light Engine with 0-30° tilt and 360° rotation for SQUARE BEVEL, FLAT, or WALL WASH trim 200-HD-S For HI LED and NIC Housing Options 200-HD-IC-S For HI LED and IC-CP Housing Options 200-HD-WD-S For WD or WD-2 LED Options and NIC or IC-CP Housing Options	HI-2700 2700K 94 CRI White HI-3000 3000K 94 CRI White HI-3500 3500K 94 CRI White HI-4000 4000K 94 CRI White WD 3000-1800K 97 CRI Warm Dim WD-2 2800-2200K 97 CRI Warm Dim	15* Narrow Spot 25* Narrow Flood 40*†† Flood 60*†† Wide Flood 15-NFL-WD† Spot 25-NFL-WD† Narrow Flood 40-NFL-WD† Flood 60-NFL-WD† Wide Flood *For use with HI LED options and FLAT or BEVEL trim. ††For use with HI, WD, or WD-2 LED options and WALL WASH trim. †For use with WD or WD-2 LED options and FLAT or BEVEL trim.	NSP Narrow Softening Lens NFL Medium Softening Lens FL Wide Softening Lens WFL Extra Wide Softening Lens LS Linear Spread Softening Lens *For use with HI LED options and FLAT or BEVEL trim.	DIM1-2 Forward or Reverse-Phase 1% Dimming DIM2-2* 0-10v 5% Dimming EL1-2 EldoLED 0-10v 1% Dimming EL1-01-2 EldoLED 0-10v 0.1% Dimming EL2-2 EldoLED DALI 1% Dimming EL2-01-2 EldoLED DALI 0.1% Dimming LU2-2 Lutron Hi-Lume LDE1 EcoSystem 1% Dimming LU4-2** Lutron Hi-Lume PEQOE EcoSystem 0.1% Dimming *Not available with 350 output option. **Not available with 650 output option.	350 Standard output for WD or WD-2 LED Options and NIC or IC-CP Housing Options 500 High output for HI LED and NIC or IC-CP Housing Options 650 High output for HI LED and NIC Housing Options

TRIM OPTIONS	TRIM FINISH	TRIM MOUNTING ACCESSORIES (Optional)	TRIM ACCESSORIES / (Optional)	HOUSING OPTIONS	MOUNTING OPTIONS
FLS-2 4-1/4" SQUARE FLAT trim with 1-7/8" aperture FLS-2-BV 4-1/4" SQUARE BEVEL trim with 2-1/4" aperture FLS-2-WW* 4-1/4" SQUARE WALL WASH trim with 2-3/4" angle-cut aperture and wall wash lens *UL Wet listed. Use with 40° or 60° optic option.	WH WHITE OB* OIL-RUBBED BRONZE SA*† SATIN ALUMINUM SAWH*† SATIN ALUMINUM with WHITE flange *Specialty finish †Not available with FLAT trim option.	FS-2* SQUARE FLANGELESS trim accessory for flush mounting FLS-2, FLS-2-BV, or FLS-2-WW trims in sheetrock ceiling applications *For use with NIC-FS or IC-CP-FS housing options only.	CL2* CLEAR lens SF2* SOFT FOCUS lens *UL Wet listed. Not for use with FLR-2-WW trim options.	NIC-S* Type Non-IC for SQUARE flanged trim applications NIC-FS*† Type Non-IC for SQUARE flangeless trim in sheetrock applications NIC-FS-W* Type Non-IC for SQUARE flangeless trim in wood/stone applications IC-CP-S** Type IC Chicago Plenum Rated for SQUARE flanged trim applications IC-CP-FS*†† Type IC Chicago Plenum Rated for SQUARE flangeless trim in sheetrock applications IC-CP-FS-W** Type IC Chicago Plenum Rated for SQUARE flangeless trim in wood/stone applications *For use with 350, 500, or 650 output options. **For use with 350 or 500 output options only. † Requires FS-2 flangeless trim accessory.	BH Bar Hangers for joist mounting BB Butterfly Brackets 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

Light Engine, LED, Optic Option, and Accessory Notes

200-HD-S Adjustable NEW CONSTRUCTION light engine with 0-30° tilt and 360° rotation for SQUARE BEVEL, FLAT, or WALL WASH trim. Use for adjustable accent, wall wash, and 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 one additional optical accessory 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/200-series-photometry.

Trim Finish and Accessory 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 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). Approved for use in residential steam applications. Not for use in commercial steam applications.

Housing and Installation Notes

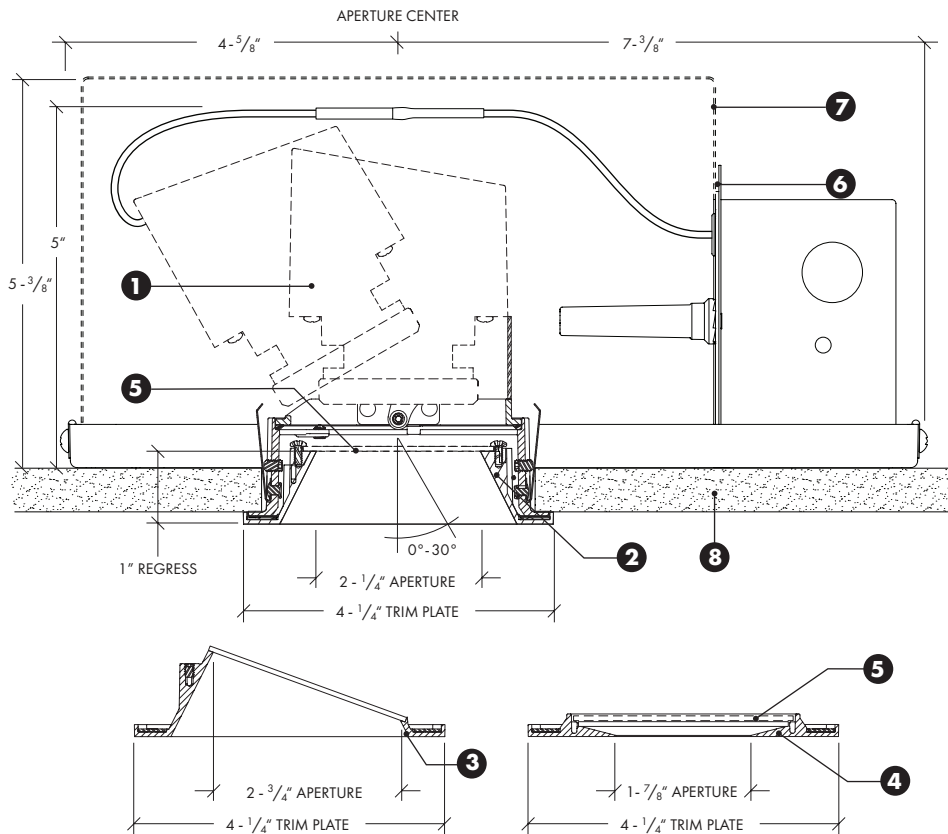
Type Non-IC housings are rated for installations where insulation is held back a minimum of 3" away from sides and top. Type IC-CP housings are rated for direct contact with standard or spray-foam thermal insulation with a max combined R-Value of R42. Type IC-CP housings meet Washington State Airtight Standard WAC 51-11-0502 and in accordance with ASTM E283 to reduce energy loss and are CCEA plenum rated for City of Chicago environmental air spaces. For installations in direct contact with thermal insulation, ambient temperatures in ceiling space should not exceed 25°C (77°F) during normal operation. For installations where insulation is held back a minimum of 3" from sides and top, ambient temperatures in ceiling space should not exceed 40°C (104°F) during normal operation.

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.

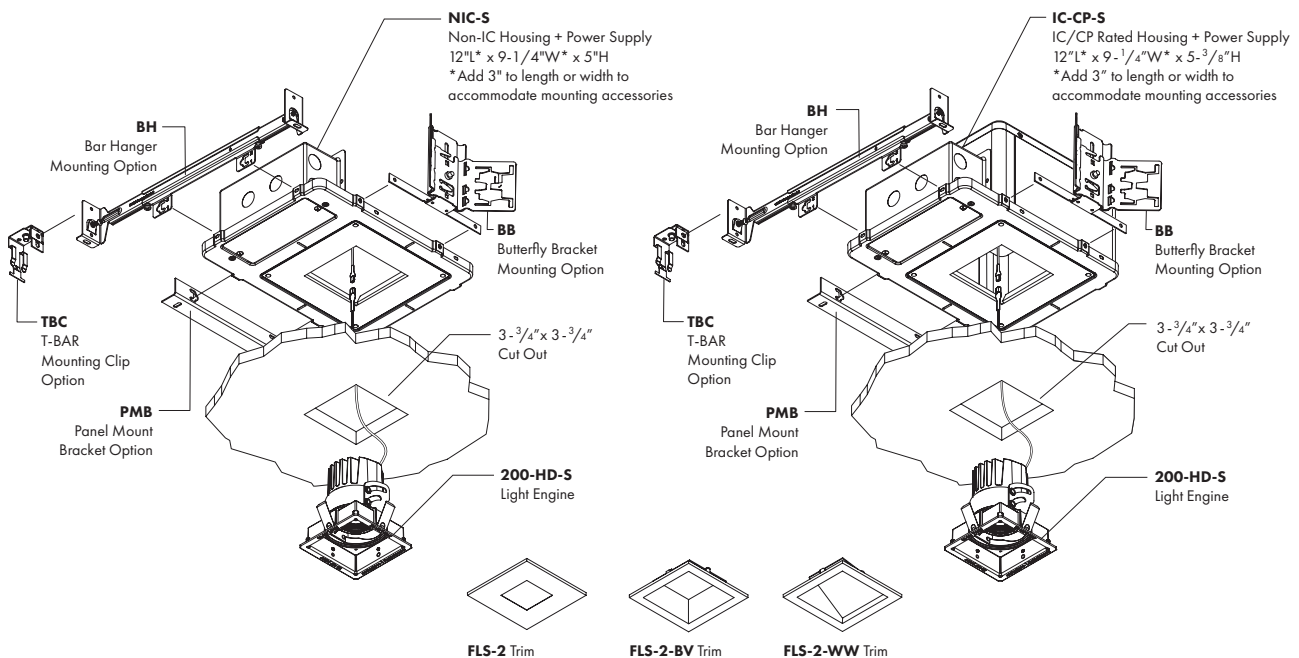
JA8-2025 CA Title 24 Compliant except with Type Non-IC housing options:
NIC-S, NIC-FS, and NIC-FS-W.

200-HD-S + NIC-S and IC-CP-S NEW CONSTRUCTION HOUSINGS with FLANGED TRIM INSTALLATION



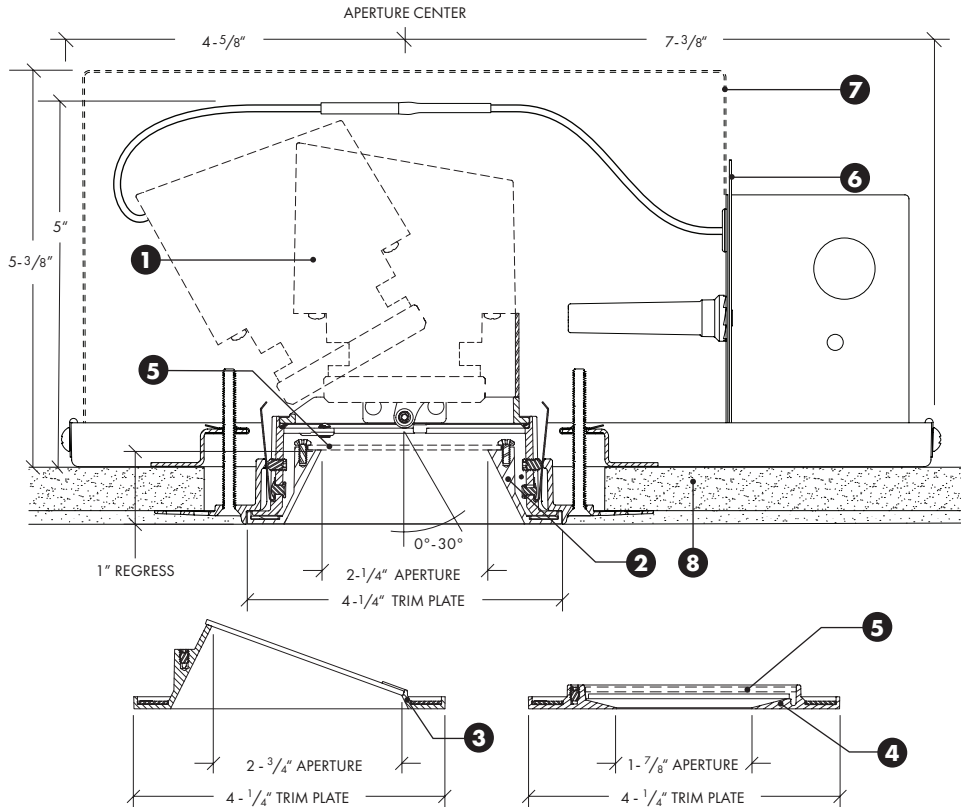
- 1) **200-HD-S** Adjustable SQUARE Light Engine
- 2) **FLS-2-BV** Flanged SQUARE BEVEL Trim.
- 3) **FLS-2-WW** Flanged SQUARE WALL WASH Trim.
- 4) **FLS-2** Flanged SQUARE FLAT Trim.
- 5) **CL2/SF2** (Optional) Clear or Soft Focus lens rated for use in DRY, DAMP, or WET locations (covered ceiling applications only).
- 6) **NIC-S** Type Non-IC housing and power supply for SQUARE light engine and FLANGED trim.
- 7) **IC-CP-S** (shown dashed) Type IC Rated/Air-tight/CCEA approved housing and power supply for SQUARE light engine and FLANGED trim.
- 8) **Ceiling Material** (Sheetrock/Wood/Stone/Acoustic Tile) Accommodates ceiling thicknesses from 1/2" (min) to 1-1/4" (max) without affecting aiming or rotation.

200-HD-S + NIC-S and IC-CP-S NEW CONSTRUCTION HOUSINGS with FLANGED TRIM INSTALLATION



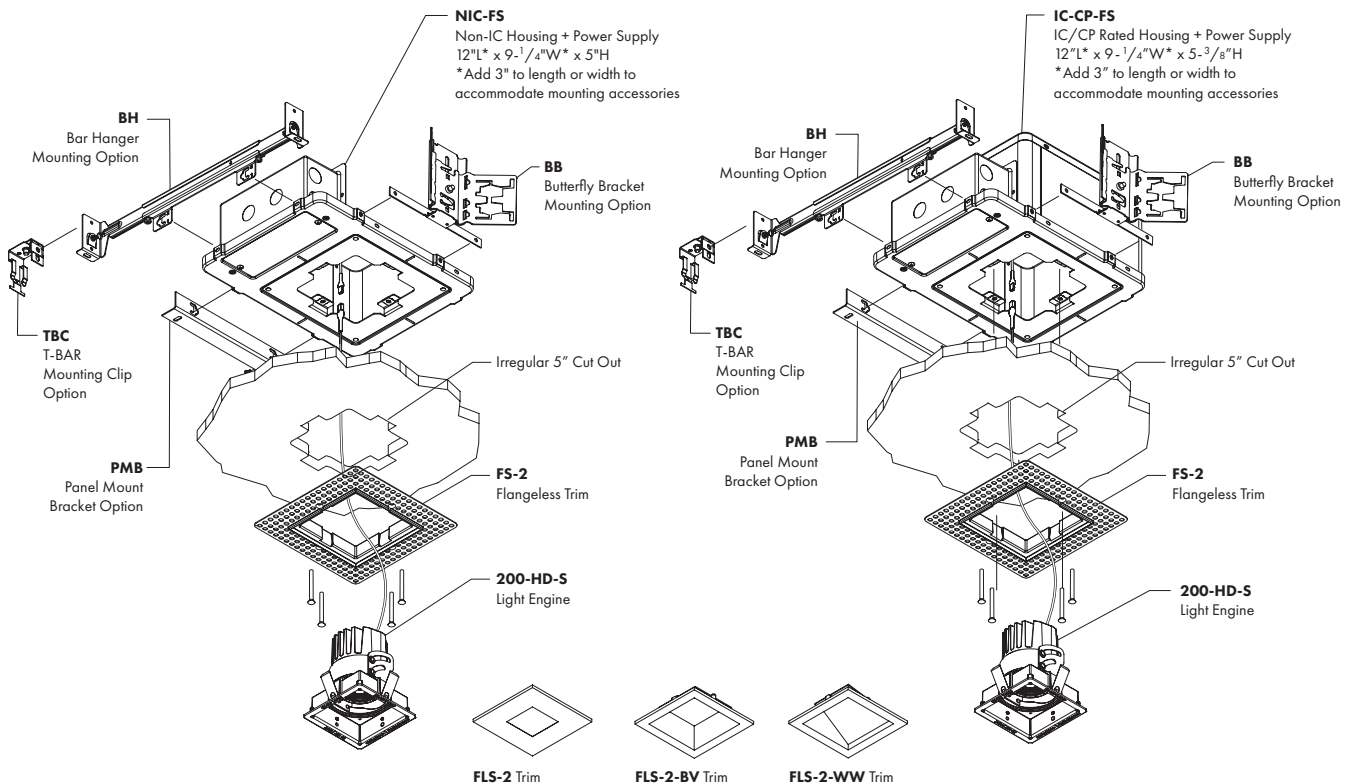
CEILING TYPES: Sheetrock, Wood, Stone & Acoustic Tile | **CEILING THICKNESS:** 1/2" Min to 1-1/4" Max | **CUT-OUT:** 3-3/4" x 3-3/4"

200-HD-S + NIC-FS and IC-CP-FS with FLANGELESS TRIM INSTALLATION for SHEETROCK CEILINGS



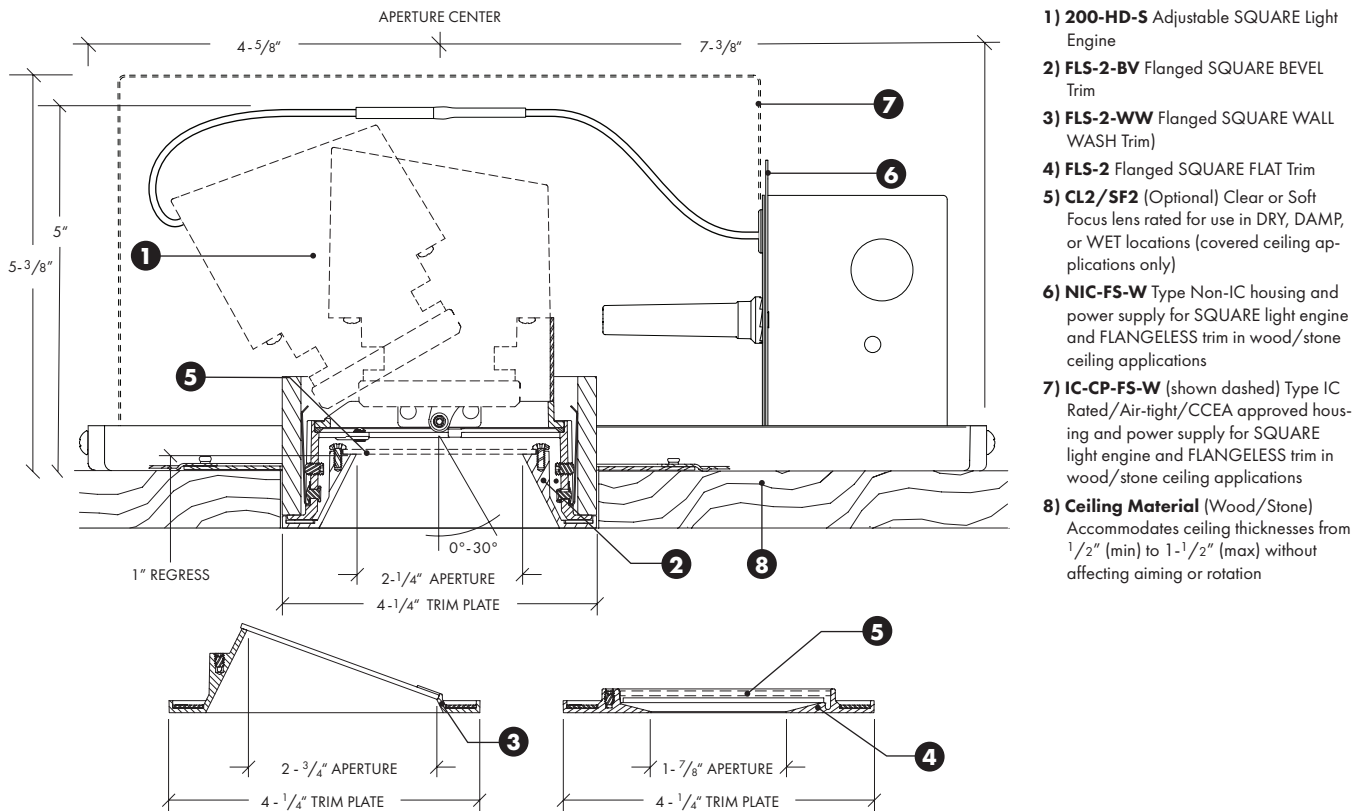
- 1) **200-HD-S** Adjustable SQUARE Light Engine
- 2) **FLS-2-BV** Flanged SQUARE BEVEL Trim + **FS-2** SQUARE FLANGELESS trim accessory
- 3) **FLS-2-WW** Flanged SQUARE WALL WASH Trim (**FS-2** SQUARE FLANGELESS trim accessory not shown)
- 4) **FLS-2** Flanged SQUARE FLAT Trim (**FS-2** SQUARE FLANGELESS trim accessory not shown)
- 5) **CL2/SF2** (Optional) Clear or Soft Focus lens rated for use in DRY, DAMP, or WET locations (covered ceiling applications only)
- 6) **NIC-FS** Type Non-IC housing and power supply for SQUARE light engine and FLANGELESS trim in sheetrock ceiling applications
- 7) **IC-CP-FS** (shown dashed) Type IC Rated/Air-tight/CCEA approved housing and power supply for SQUARE light engine and FLANGELESS trim in sheetrock ceiling applications
- 8) **Ceiling Material** (Sheetrock) Accommodates ceiling thicknesses from 1/2" (min) to 1-1/2" (max) without affecting aiming or rotation

200-HD-S + NIC-FS and IC-CP-FS with FLANGELESS TRIM INSTALLATION for SHEETROCK CEILINGS

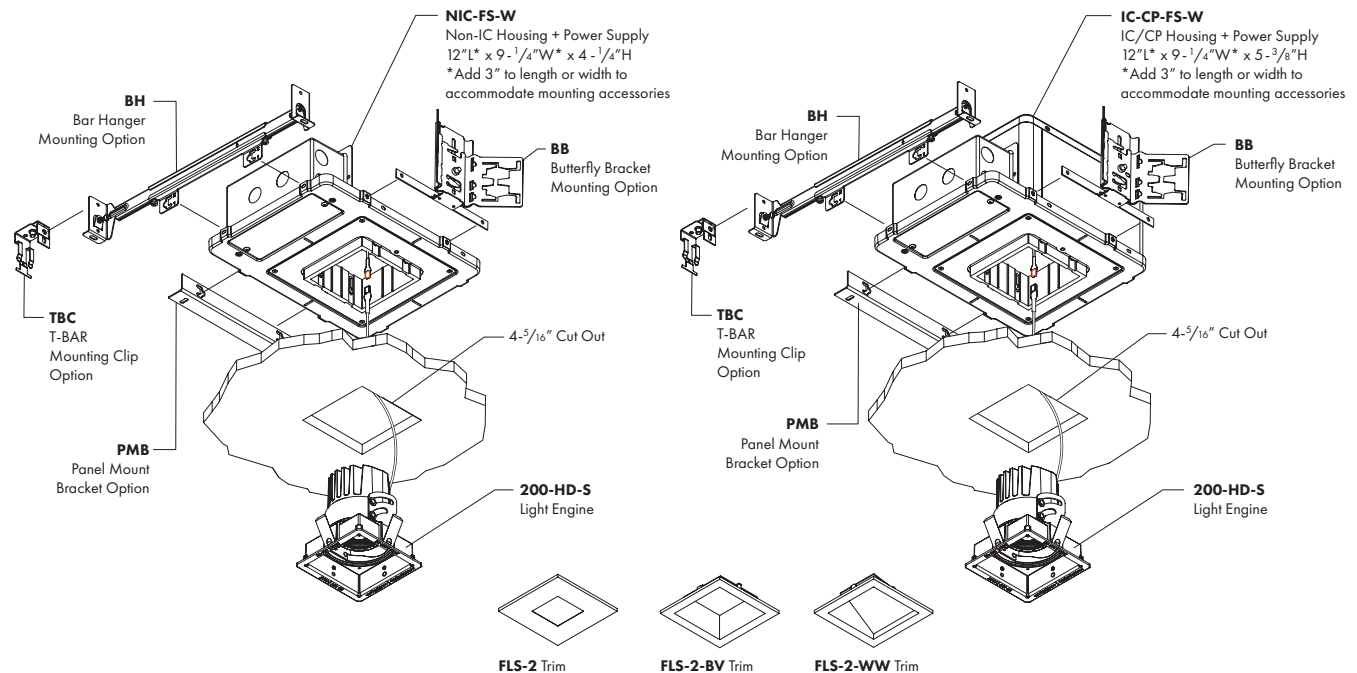


CEILING TYPES: Sheetrock | **CEILING THICKNESS:** 1/2" Min to 1-1/2" Max | **CUT-OUT:** 5" Irregular

200-HD-S + NIC-FS-W and IC-CP-FS-W with FLANGELESS TRIM INSTALLATION for WOOD/STONE CEILINGS



200-HD-S + NIC-FS-W and IC-CP-FS-W with FLANGELESS TRIM INSTALLATION for WOOD/STONE CEILINGS



CEILING TYPES: Wood/Stone | CEILING THICKNESS: 1/2" Min to 1-1/2" Max | CUT-OUT: 4-5/16" x 4-5/16"

200-HD-S w/ FLS-2-BV TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-2700	650	2700K	94	62	1630 - 1942	26	62 - 75
HI-2700	500	2700K	94	62	1322 - 1597	19.5	68 - 82
HI-3000	650	3000K	94	64	1701 - 2026	26	65 - 79
HI-3000	500	3000K	94	64	1379 - 1666	19.5	71 - 85
HI-3500	650	3500K	94	67	1733 - 2065	26	66 - 80
HI-3500	500	3500K	94	67	1405 - 1698	19.5	72 - 87
HI-4000	650	4000K	94	71	1787 - 2130	26	68 - 83
HI-4000	500	4000K	94	71	1449 - 1751	19.5	74 - 90
WD	350	3000-1800K	97	81	665 - 747	14.5	46 - 51
WD2	350	2800-2200K	97	78	662 - 738	14.5	45 - 50

Performance range for HI LED with 15°, 25°, 40°, and 60° optic options.

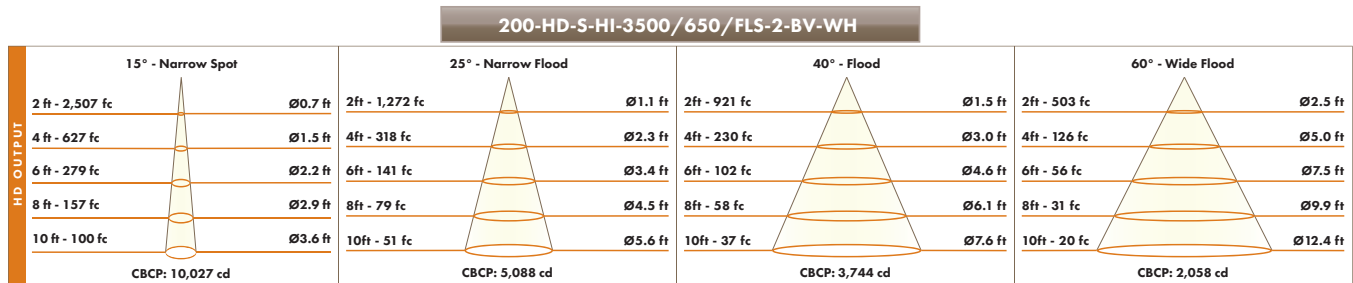
Performance range for WD LED at 3000K and WD-2 LED at 2800K with 15-NFL-WD, 25-NFL-WD, 40-NFL-WD, and 60-NFL-WD optic options.

200-HD-S w/ FLS-2-BV TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

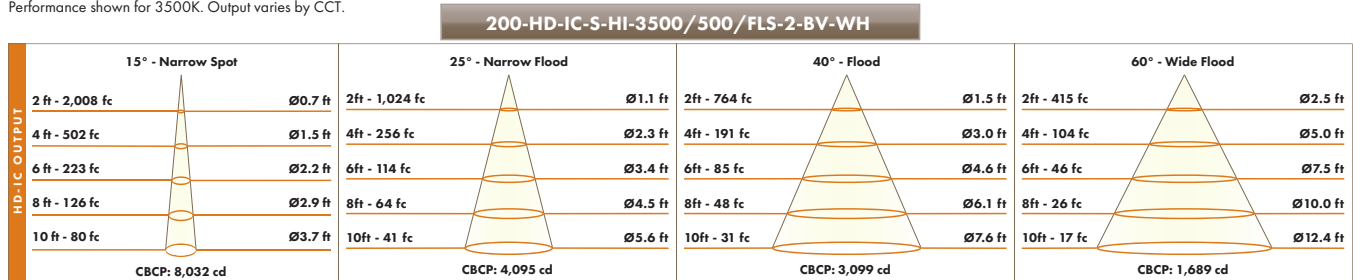
HI-2700, HI-3000, HI-3500, & HI-4000 LED							WD & WD-2 LED	
OPTIC OPTIONS	BEAM ANGLE	BEAM ENHANCING LENS (OPTIONAL)*					OPTIC OPTIONS	BEAM ANGLE
		+ NSP	+ NFL	+ FL	+ WFL	+ LS		
15 Narrow Spot	19°	21°	29°	50°	63°	20 x 49°	15-NFL-WD Spot	29°
25 Narrow Flood	30°	32°	36°	58°	71°	30 x 55°	25-NFL-WD Narrow Flood	37°
40 Flood	38°	39°	42°	n/a	n/a	n/a	40-NFL-WD Flood	44°
60 Wide Flood	61°	61°	61°	n/a	n/a	n/a	60-NFL-WD Wide Flood	62°

* Beam enhancing lens used in combination with HI LED option and 15°, 25°, 40°, or 60° optic to achieve desired beam spread.

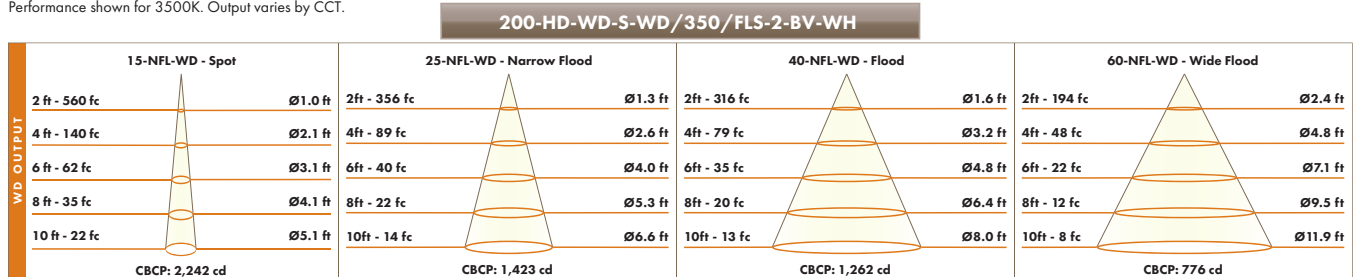
200-HD-S w/ FLS-2-BV TRIM - CONE OF LIGHT DIAGRAMS



Performance shown for 3500K. Output varies by CCT.



Performance shown for 3500K. Output varies by CCT.



Performance shown for 3000K. Output varies by CCT.

200-HD-S w/ FLS-2 TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-2700	650	2700K	94	62	1330 - 1555	26	51 - 59
HI-2700	500	2700K	94	62	1079 - 1265	19.5	55 - 65
HI-3000	650	3000K	94	64	1387 - 1622	26	53 - 62
HI-3000	500	3000K	94	64	1125 - 1320	19.5	58 - 68
HI-3500	650	3500K	94	67	1414 - 1653	26	54 - 63
HI-3500	500	3500K	94	67	1147 - 1345	19.5	59 - 69
HI-4000	650	4000K	94	71	1458 - 1705	26	56 - 69
HI-4000	500	4000K	94	71	1183 - 1387	19.5	61 - 71
WD	350	3000-1800K	97	81	442 - 593	14.5	30 - 41
WD-2	350	2800-2200K	97	78	431 - 562	14.5	29 - 39

Performance range for **HI** LED with 15°, 25°, 40°, and 60° optic options.

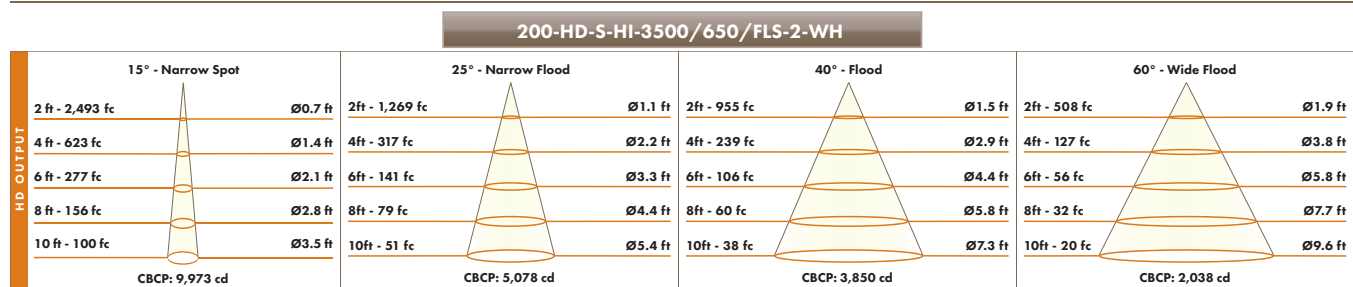
Performance range for **WD** LED at 3000K and **WD-2** LED at 2800K with 15-NFL-WD, 25-NFL-WD, 40-NFL-WD, and 60-NFL-WD optic options.

200-HD-S w/ FLS-2 TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

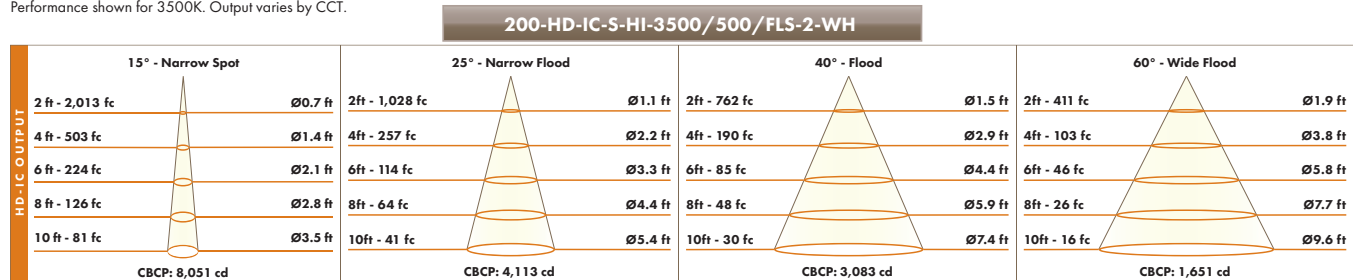
HI-2700, HI-3000, HI-3500, & HI-4000 LED							WD & WD-2 LED	
OPTIC OPTIONS	BEAM ANGLE	BEAM ENHANCING LENS (OPTIONAL)*					OPTIC OPTIONS	BEAM ANGLE
		+ NSP	+ NFL	+ FL	+ WFL	+ LS		
15 Narrow Spot	18°	20°	27°	n/a	n/a	21 x 31°	15-NFL-WD Spot	27°
25 Narrow Flood	29°	30°	33°	n/a	n/a	29 x 43°	25-NFL-WD Narrow Flood	34°
40 Flood	37°	38°	39°	n/a	n/a	n/a	40-NFL-WD Flood	40°
60 Wide Flood	46°	46°	45°	n/a	n/a	n/a	60-NFL-WD Wide Flood	45°

*Beam enhancing lens used in combination with **HI** LED option and 15°, 25°, 40°, or 60° optic to achieve desired beam spread.

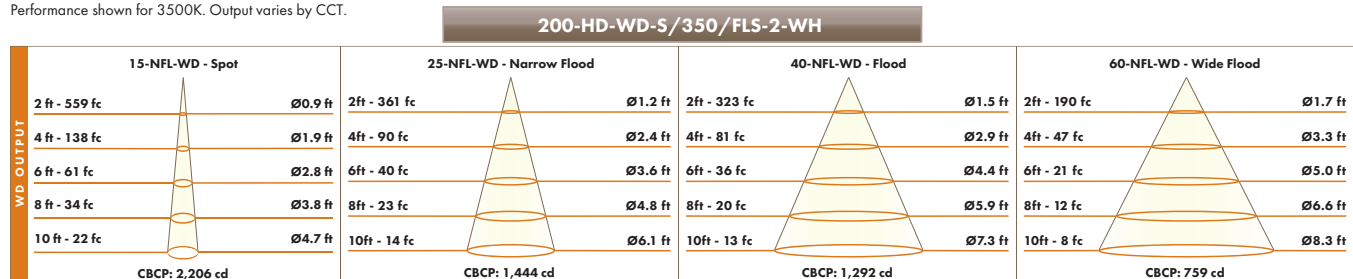
200-HD-S w/ FLS-2 TRIM - CONE OF LIGHT DIAGRAMS



Performance shown for 3500K. Output varies by CCT.



Performance shown for 3500K. Output varies by CCT.



Performance shown for 3000K. Output varies by CCT.

200-HD-S w/ FLS-2-WW TRIM - PERFORMANCE SUMMARY

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-2700	650	2700K	94	62	1493 - 1530	26	56 - 58
HI-2700	500	2700K	94	62	1210 - 1251	19.5	62 - 64
HI-3000	650	3000K	94	64	1557 - 1596	26	59 - 61
HI-3000	500	3000K	94	64	1262 - 1305	19.5	65 - 67
HI-3500	650	3500K	94	67	1587 - 1627	26	60 - 62
HI-3500	500	3500K	94	67	1286 - 1330	19.5	66 - 68
HI-4000	650	4000K	94	71	1637 - 1678	26	62 - 64
HI-4000	500	4000K	94	71	1326 - 1372	19.5	68 - 70
WD	350	3000-1800K	97	81	682 - 690	14.5	47 - 48
WD-2	350	2800-2200K	97	78	659 - 685	14.5	45 - 47

Performance range for HI LED with 15°, 25°, 40°, and 60° optic options.

Performance range for WD LED at 3000K and WD-2 LED at 2800K with 40° and 60° optic options.

200-HD-S-HI-3500/650 w/ FLS-2-WW-WH TRIM - FOOTCANDLES ON WALL

OPTIC OPTION			40°						60°					
DISTANCE FROM WALL			2.0 ft			2.5 ft			2.0 ft			2.5 ft		
ON CENTER SPACING				2.5 ft			3.0 ft			2.5 ft			3.0 ft	
DISTANCE FROM CEILING	0.5 ft		1.0	1.2	1.0	0.5	0.6	0.5	1.5	1.8	1.5	0.8	1.0	0.8
	1.5 ft		37.0	37.3	37.0	9.5	10.4	9.5	29.4	32.7	29.4	8.0	9.5	8.0
	2.5 ft		81.4	89.4	81.4	46.8	50.9	46.8	63.3	73.3	63.3	36.5	42.3	36.5
	3.5 ft		62.1	69.5	62.1	51.2	57.3	51.2	47.6	54.0	47.6	39.8	45.8	39.8
	4.5 ft		40.1	44.5	40.1	38.9	43.6	38.9	30.7	33.9	30.7	29.8	33.6	29.8
	5.5 ft		25.7	28.0	25.7	27.3	30.3	27.3	19.9	21.5	19.9	20.9	23.0	20.9
	6.5 ft		16.8	18.1	16.8	19.0	20.8	19.0	13.2	14.1	13.2	14.6	15.9	14.6
	7.5 ft		11.4	12.1	11.4	13.4	14.5	13.4	9.1	9.6	9.1	10.4	11.2	10.4
	8.5 ft		8.0	8.3	8.0	9.7	10.3	9.7	6.5	6.8	6.5	7.6	8.1	7.6
	9.5 ft		5.7	6.0	5.7	7.1	7.5	7.1	4.7	4.9	4.7	5.7	6.0	5.7

Performance shown for 3500K. Output varies by CCT.

200-HD-WD-S/350 w/ FLS-2-WW-WH TRIM - FOOTCANDLES ON WALL

OPTIC OPTION			40°						60°					
DISTANCE FROM WALL			2.0 ft			2.5 ft			2.0 ft			2.5 ft		
ON CENTER SPACING				2.5 ft			3.0 ft			2.5 ft			3.0 ft	
DISTANCE FROM CEILING	0.5 ft		0.4	0.5	0.4	0.2	0.3	0.2	0.8	0.9	0.8	0.4	0.5	0.4
	1.5 ft		6.2	6.3	6.2	1.8	1.9	1.8	8.4	8.9	8.4	2.5	2.7	2.5
	2.5 ft		18.1	20.0	18.1	8.9	9.4	8.9	20.1	23.2	20.1	10.5	11.8	10.5
	3.5 ft		17.2	19.9	17.2	12.2	14.0	12.2	16.7	19.5	16.7	13.0	15.4	13.0
	4.5 ft		12.8	14.7	12.8	11.0	12.7	11.0	11.4	12.8	11.4	10.5	12.2	10.5
	5.5 ft		9.0	10.2	9.0	8.7	9.9	8.7	7.6	8.3	7.6	7.7	8.7	7.7
	6.5 ft		6.4	7.0	6.4	6.5	7.4	6.5	5.1	5.5	5.1	5.5	6.1	5.5
	7.5 ft		4.6	4.9	4.6	4.9	5.4	4.9	3.6	3.8	3.6	4.0	4.4	4.0
	8.5 ft		3.3	3.6	3.3	3.7	4.1	3.7	2.6	2.7	2.6	3.0	3.2	3.0
	9.5 ft		2.5	2.6	2.5	2.8	3.1	2.8	1.9	2.0	1.9	2.2	2.4	2.2

Performance shown for 3000K. Output varies by CCT.