

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- - - - / - /	
- - - / -	



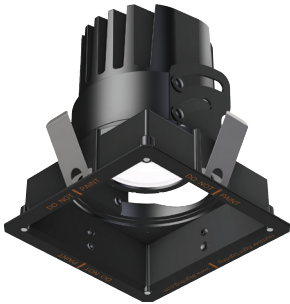
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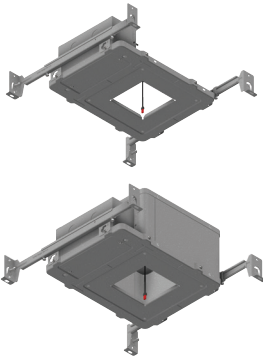
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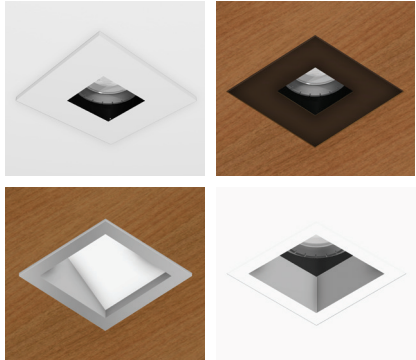
PRODUCT FEATURES



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 Rated			
LED Option	HI-27	HI-30	HI-35	HI-40	HI-27	HI-30	HI-35	HI-40
Delivered Lumens	1942	2026	2065	2130	1597	1666	1698	1751
System Wattage	26	26	26	26	19.5	19.5	19.5	19.5
Efficacy	75	79	80	83	82	85	87	90
CRI	94	94	94	94	94	94	94	94
R9	62	64	67	71	81	78	69	71
CCT	2700K	3000K	3500K	4000K	2700K	3000K	3500K	4000K
Color Consistency	2-Step							
Optical Options	15, 25, 40, 60							
Optical Accessories	Narrow, Medium, Wide, Extra Wide, Linear Spread							
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.
 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 use with HI LED Options and NIC Housing Options 200-HD-IC-S For use with HI LED Options and IC-CP Housing Options	HI-27 2700K 94 CRI White HI-30 3000K 94 CRI White HI-35 3500K 94 CRI White HI-40 4000K 94 CRI White	15* Narrow Spot 25* Narrow Flood 40 Flood 60 Wide Flood *Not recommended for use with WALL WASH trim.	NSP Narrow Softening Lens NFL Medium Softening Lens FL Wide Softening Lens WFL Extra Wide Softening Lens LS Linear Spread Softening Lens	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 650 output option.	500 High output for HI LED and 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 650 output option only. **For use with 500 output option 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

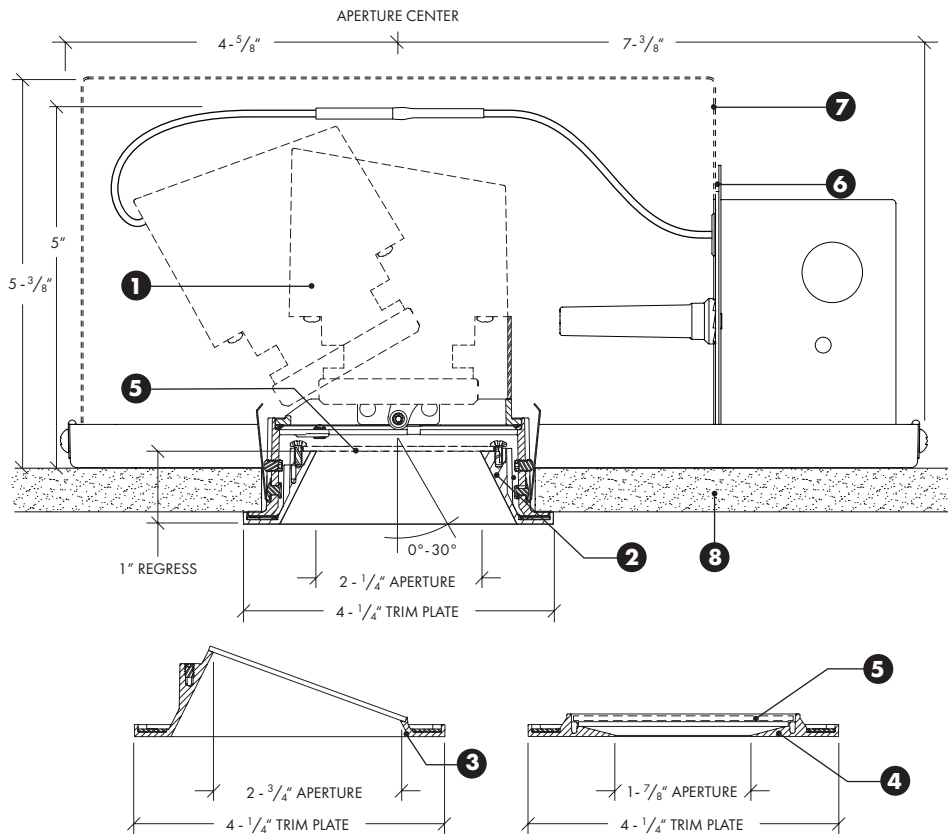
Type Non-IC housings are rated for installations where insulation is held back a minimum of 3" away from sides and top. Type IC-CP housings are rated for direct contact with standard or spray-foam thermal insulation with a max combined R-Value of R42. Type IC-CP housings meet Washington State Airtight 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.

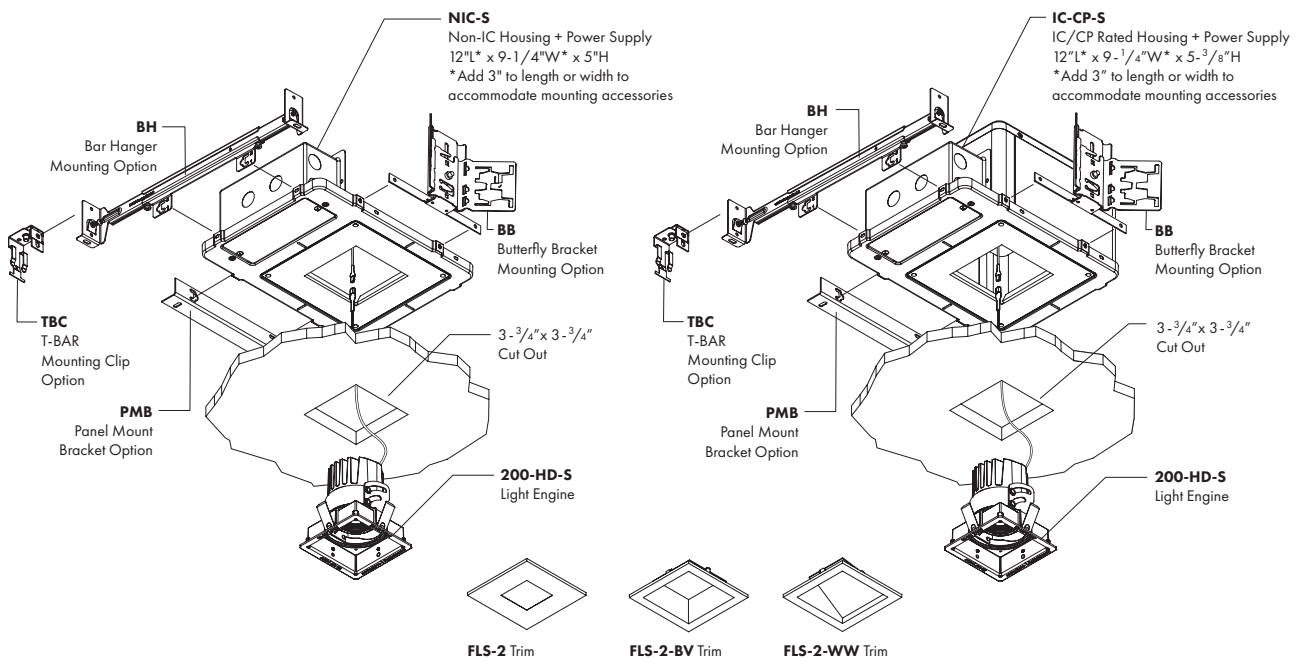
JA8-2025 CA Title 24 Compliant except with Type Non-IC housing options: **NIC-S, NIC-FS, and NIC-FS-W.**

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



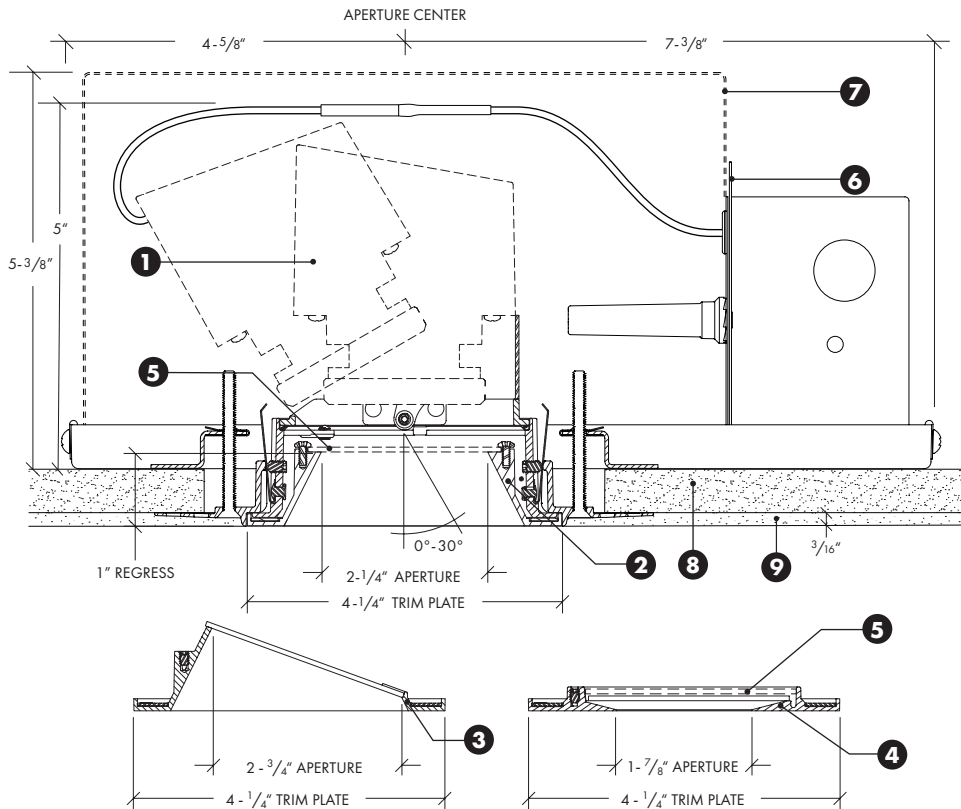
- 1) **200-HD-S** Adjustable SQUARE Light Engine
- 2) **FLS-2-BV** Flanged SQUARE BEVEL Trim.
- 3) **FLS-2-WW** Flanged SQUARE WALL WASH Trim.
- 4) **FLS-2** Flanged SQUARE FLAT Trim.
- 5) **CL2/SF2** (Optional) Clear or Soft Focus lens rated for use in DRY, DAMP, or WET locations (covered ceiling applications 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



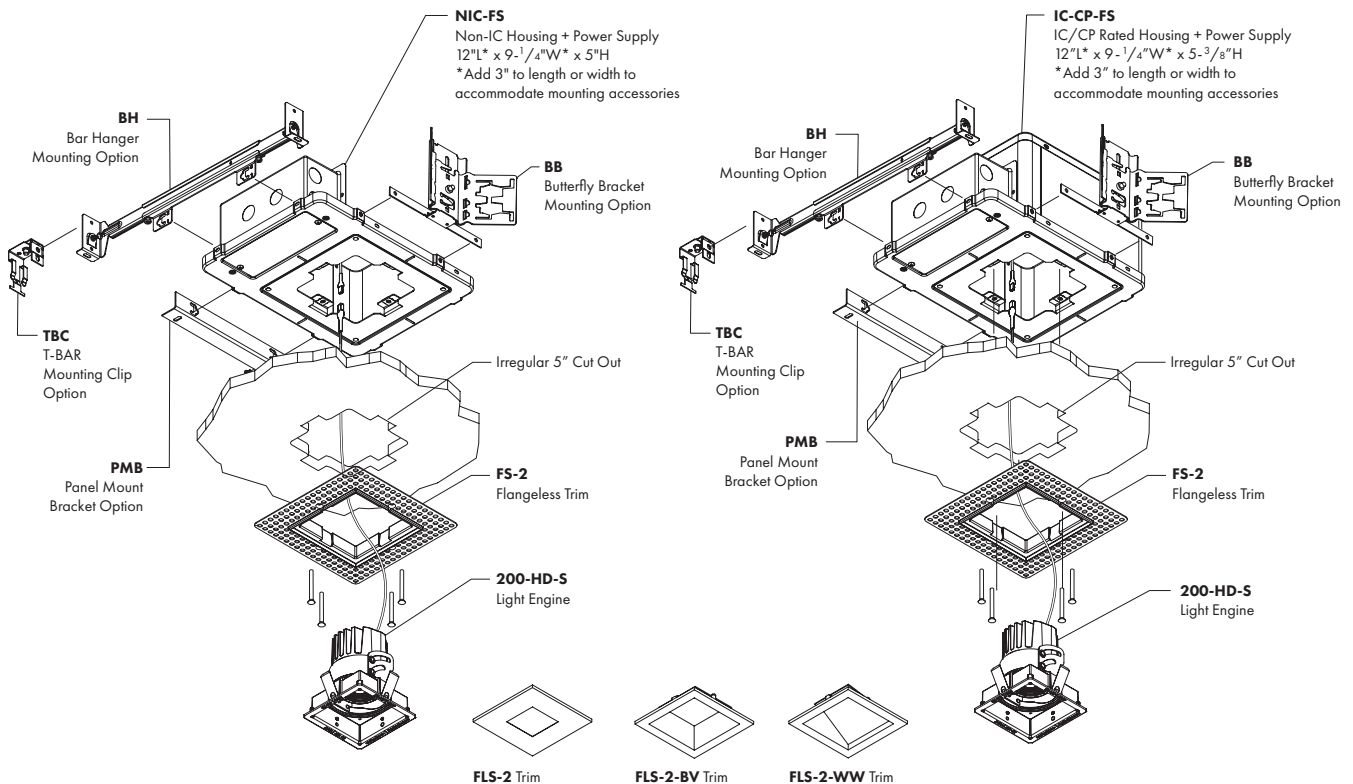
CEILING TYPES: Sheetrock, Wood, Stone & Acoustic Tile | **CEILING THICKNESS:** 1/2" Min to 1-1/4" Max | **CUT-OUT:** 3-3/4" x 3-3/4"

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



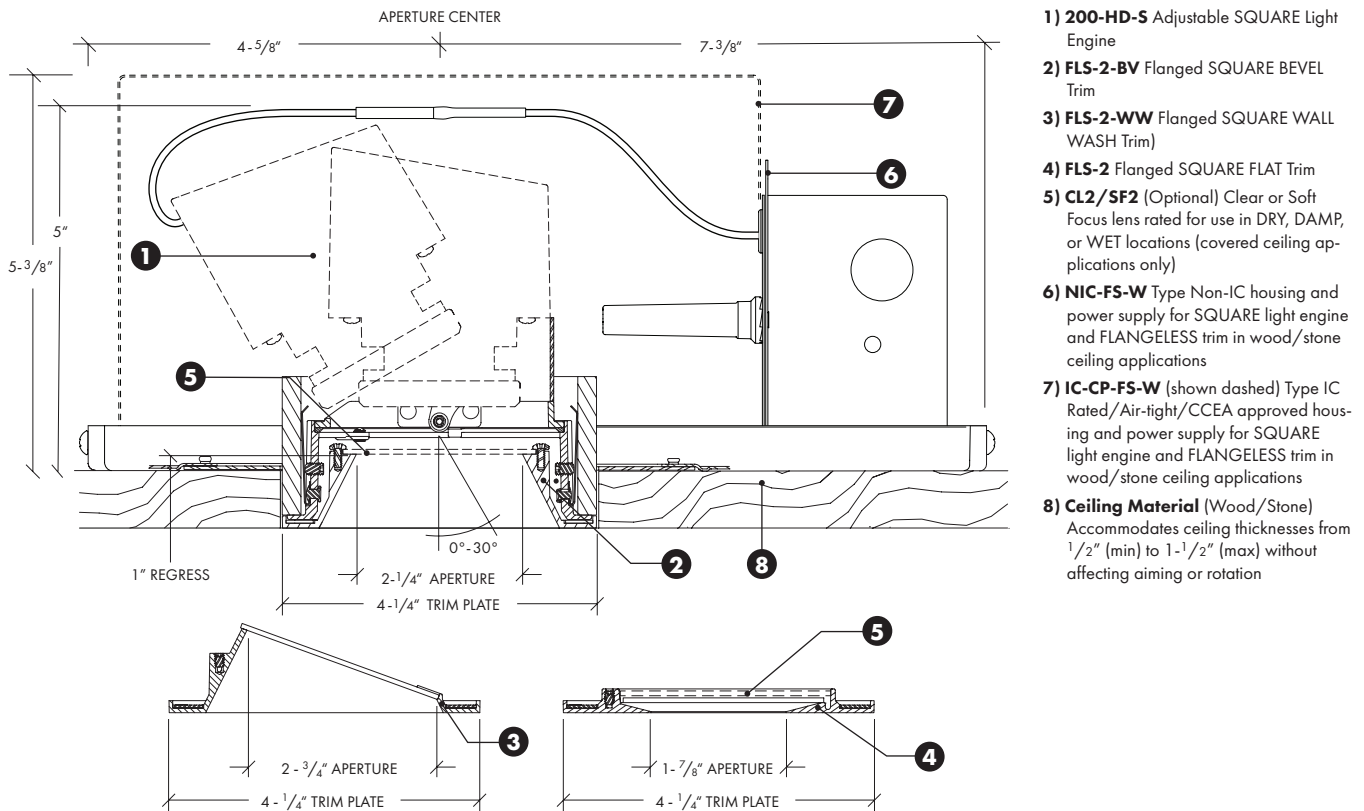
- 1) **200-HD-S** Adjustable SQUARE Light Engine.
- 2) **FLS-2-BV** Flanged SQUARE BEVEL Trim + **FS-2** SQUARE FLANGELESS trim accessory.
- 3) **FLS-2-WW** Flanged SQUARE WALL WASH Trim (**FS-2** SQUARE FLANGELESS trim accessory not shown).
- 4) **FLS-2** Flanged SQUARE FLAT Trim (**FS-2** SQUARE FLANGELESS 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 $\frac{1}{2}$ " (min) to $1\frac{1}{2}$ " (max) without affecting aiming or rotation.
- 9) **Ceiling Finish** (Drywall Compound or Plaster) Accommodates $\frac{3}{16}$ " finish thickness. Minimum level 4 or 5 finish recommended.

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

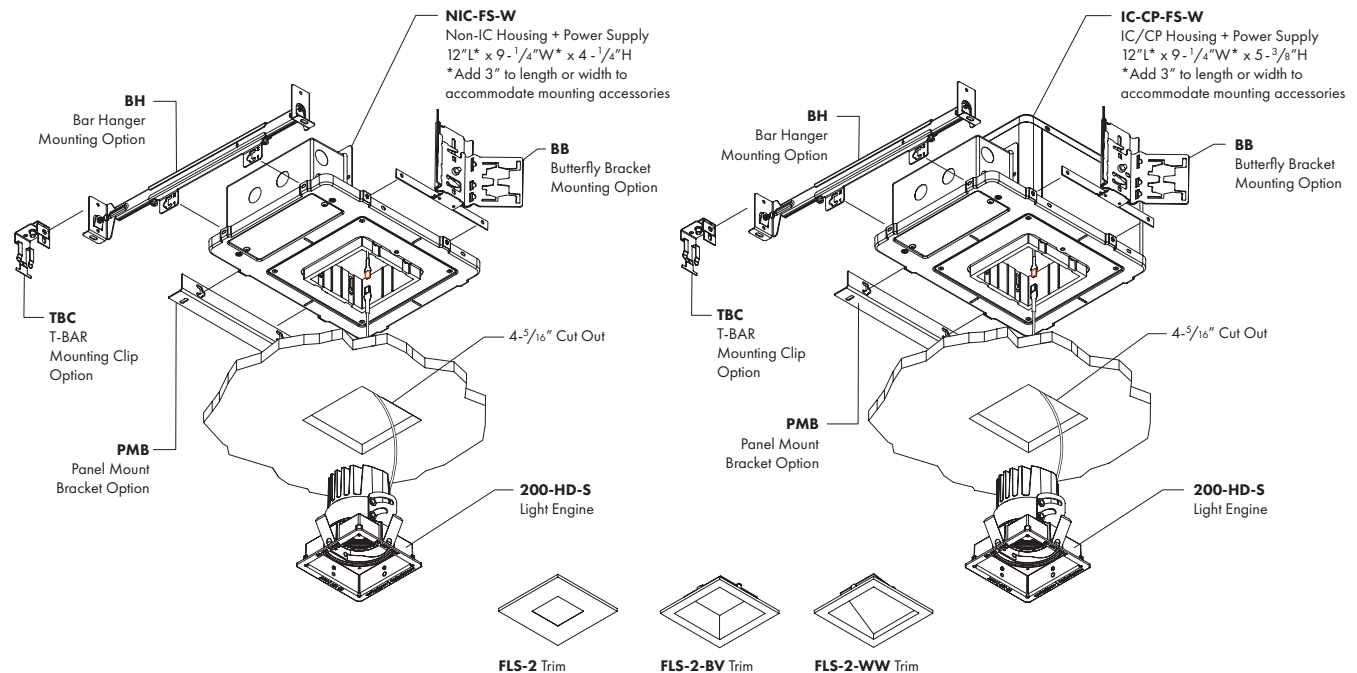


CEILING TYPES: Sheetrock | **CEILING THICKNESS:** $\frac{1}{2}$ " Min to $1\frac{1}{2}$ " Max | **CUT-OUT:** 5" Irregular

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-27	650	2700K	94	62	1630 - 1942	26	62 - 75
HI-27	500	2700K	94	62	1322 - 1597	19.5	68 - 82
HI-30	650	3000K	94	64	1701 - 2026	26	65 - 79
HI-30	500	3000K	94	64	1379 - 1666	19.5	71 - 85
HI-35	650	3500K	94	67	1733 - 2065	26	66 - 80
HI-35	500	3500K	94	67	1405 - 1698	19.5	72 - 87
HI-40	650	4000K	94	71	1787 - 2130	26	68 - 83
HI-40	500	4000K	94	71	1449 - 1751	19.5	74 - 90

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

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

HI-27, HI-30, HI-35, & HI-40 LED

OPTIC OPTIONS	BEAM ANGLE	BEAM ENHANCING LENS (OPTIONAL)*				
		+ NSP	+ NFL	+ FL	+ WFL	+ LS
15° Narrow Spot	19°	21°	29°	50°	63°	20 x 49°
25° Narrow Flood	30°	32°	36°	58°	71°	30 x 55°
40° Flood	38°	39°	42°	n/a	n/a	n/a
60° Wide Flood	61°	61°	61°	n/a	n/a	n/a

*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

200-HD-S-HI-35/650/FLS-2-BV-WH

	15° - Narrow Spot	25° - Narrow Flood	40° - Flood	60° - Wide Flood
HD OUTPUT	2 ft - 2,507 fc 4 ft - 627 fc 6 ft - 279 fc 8 ft - 157 fc 10 ft - 100 fc CBCP: 10,027 cd	2ft - 1,272 fc 4ft - 318 fc 6ft - 141 fc 8ft - 79 fc 10ft - 51 fc CBCP: 5,088 cd	2ft - 921 fc 4ft - 230 fc 6ft - 102 fc 8ft - 58 fc 10ft - 37 fc CBCP: 3,744 cd	2ft - 503 fc 4ft - 126 fc 6ft - 56 fc 8ft - 31 fc 10ft - 20 fc CBCP: 2,058 cd

Performance shown for 3500K. Output varies by CCT.

200-HD-IC-S-HI-35/500/FLS-2-BV-WH

	15° - Narrow Spot	25° - Narrow Flood	40° - Flood	60° - Wide Flood
HD-IC OUTPUT	2 ft - 2,008 fc 4 ft - 502 fc 6 ft - 223 fc 8 ft - 126 fc 10 ft - 80 fc CBCP: 8,032 cd	2ft - 1,024 fc 4ft - 256 fc 6ft - 114 fc 8ft - 64 fc 10ft - 41 fc CBCP: 4,095 cd	2ft - 764 fc 4ft - 191 fc 6ft - 85 fc 8ft - 48 fc 10ft - 31 fc CBCP: 3,099 cd	2ft - 415 fc 4ft - 104 fc 6ft - 46 fc 8ft - 26 fc 10ft - 17 fc CBCP: 1,689 cd

Performance shown for 3500K. 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-27	650	2700K	94	62	1330 - 1555	26	51 - 59
HI-27	500	2700K	94	62	1079 - 1265	19.5	55 - 65
HI-30	650	3000K	94	64	1387 - 1622	26	53 - 62
HI-30	500	3000K	94	64	1125 - 1320	19.5	58 - 68
HI-35	650	3500K	94	67	1414 - 1653	26	54 - 63
HI-35	500	3500K	94	67	1147 - 1345	19.5	59 - 69
HI-40	650	4000K	94	71	1458 - 1705	26	56 - 69
HI-40	500	4000K	94	71	1183 - 1387	19.5	61 - 71

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

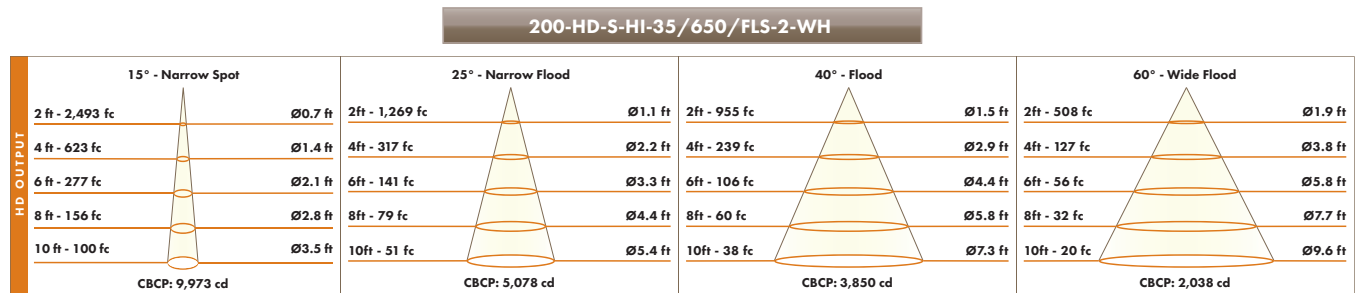
200-HD-S w/ FLS-2 TRIM - OPTICAL OPTIONS AND ACCESSORY PERFORMANCE SUMMARY

HI-27, HI-30, HI-35, & HI-40 LED

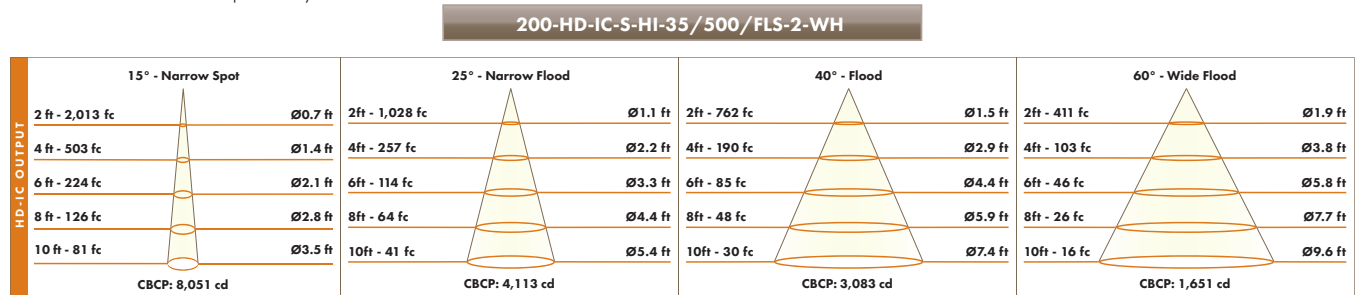
OPTIC OPTIONS	BEAM ANGLE	BEAM ENHANCING LENS (OPTIONAL)*				
		+ NSP	+ NFL	+ FL	+ WFL	+ LS
15 Narrow Spot	18°	20°	27°	n/a	n/a	21 x 31°
25 Narrow Flood	29°	30°	33°	n/a	n/a	29 x 43°
40 Flood	37°	38°	39°	n/a	n/a	n/a
60 Wide Flood	46°	46°	45°	n/a	n/a	n/a

*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.

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

LED	OUTPUT	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	650	2700K	94	62	1493 - 1530	26	56 - 58
HI-27	500	2700K	94	62	1210 - 1251	19.5	62 - 64
HI-30	650	3000K	94	64	1557 - 1596	26	59 - 61
HI-30	500	3000K	94	64	1262 - 1305	19.5	65 - 67
HI-35	650	3500K	94	67	1587 - 1627	26	60 - 62
HI-35	500	3500K	94	67	1286 - 1330	19.5	66 - 68
HI-40	650	4000K	94	71	1637 - 1678	26	62 - 64
HI-40	500	4000K	94	71	1326 - 1372	19.5	68 - 70

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

200-HD-S-HI-35/650 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-S-HI-35/500 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	0.8	1.0	0.8	0.4	0.5	0.4	1.3	1.5	1.3	0.7	0.8	0.7
	1.5 ft	30.1	31.2	30.1	7.7	8.7	7.7	26.5	29.1	26.5	7.5	8.8	7.5
	2.5 ft	66.3	73.1	66.3	38.0	41.6	38.0	53.2	61.5	53.2	31.5	36.4	31.5
	3.5 ft	50.7	56.9	50.7	41.7	46.7	41.7	39.1	44.4	39.1	33.1	36.4	33.1
	4.5 ft	32.8	36.5	32.8	31.8	35.7	31.8	25.0	27.7	25.0	24.5	27.6	24.5
	5.5 ft	21.1	23.0	21.1	22.4	24.8	22.4	16.1	17.5	16.1	17.0	18.8	17.0
	6.5 ft	13.8	14.8	13.8	15.6	17.1	15.6	10.7	11.4	10.7	11.9	12.9	11.9
	7.5 ft	9.4	9.9	9.4	11.0	11.9	11.0	7.4	7.7	7.4	8.5	9.1	8.5
	8.5 ft	6.5	6.9	6.5	7.9	8.4	7.9	5.2	5.4	5.2	6.2	6.5	6.2
	9.5 ft	4.7	4.9	4.7	5.8	6.1	5.8	3.8	3.9	3.8	4.6	4.8	4.6

Performance shown for 3500K. Output varies by CCT.