

203-S-RM/203-S-RM-RT REMODEL WALL WASH LED
FLS-2-WW WALL WASH TRIM
NON-IC + AIRTIGHT RATED

Project Name	
Date	Type
Prepared By	
Comments	
Catalog #	- - / - / FLS-2-WW - -



526 Portal Street
 Cotati, CA 94931
 USA
 P 707.794.0888
 www.8lighting.com

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 Doc # 91412-13.5



PRODUCT FEATURES



203-S-RM
 SQUARE WALL WASH LIGHT ENGINE
 and INTEGRAL POWER SUPPLY



203-S-RM-RT
 SQUARE WALL WASH LIGHT ENGINE
 for REMOTE POWER SUPPLY



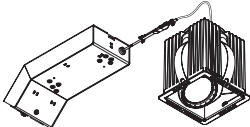
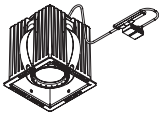
200 SERIES TRIMS
 FLANGED or FLANGELESS

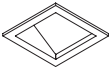
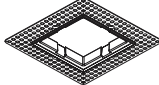
203-S-RM/203-S-RM-RT SPECIFICATION SUMMARY

	Static White				Warm Dimming		
LED Option	HI-27	HI-30	HI-35	HI-40	WD	WD-2	WD-4
Delivered Lumens	1006	1046	1070	1095	906	887	923
System Wattage	13.5	13.5	13.5	13.5	13.5	13.5	13.5
Efficacy	76	79	81	83	67	66	69
CRI	93+	93+	93+	93+	92+	92+	92+
R9	66	68	73	70	79	67	69
CCT	2700K	3000K	3500K	4000K	3000-1800K	2800-2200K	3000-2200K
Color Consistency	2-Step				3-Step		
Optic Options	40, 60						
Optical Accessories	N/A						
Adjustability	Fixed Position (20° Wall Wash)						
Driver Options	INTEGRAL: <1/5% 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) REMOTE: <1% Forward/Reverse Phase (120v), 0.1/1% 0-10v (120-277v), 0.1/1% DALI (120-277v), 0.1% EcoSystem (120 or 277v)						
Trim	Square Wall Wash						
Finish Options	White, Oil-Rubbed Bronze, Satin Aluminum, Satin Aluminum w/ White Flange						
Trim Mounting Options	Flanged, Flangeless Sheetrock						
Trim Accessory	UL Wet Listed Wall Wash Lens						
Mounting Options	Remodel: Type Non-IC Air-Tight						

Performance data shown with FLS-2-WW Trim and 60° optic.
 Warm Dimming data shown for 3000K and 2800K.
 See Performance Summary for additional information.

PRODUCT SPECIFIER/PRODUCT ORDER NUMBER

LIGHT ENGINE + POWER SUPPLY OPTIONS		LED OPTIONS	OPTIC OPTIONS	DRIVER OPTIONS	REMOTE OPTIONS*
 203-S-RM* Wall Wash REMODEL Light Engine with fixed 20° tilt + INTEGRAL Power Supply for SQUARE WALL WASH trim	 203-S-RM-RT* Wall Wash REMODEL Light Engine with fixed 20° tilt for REMOTE Power Supply and SQUARE WALL WASH trim *AIRTIGHT and Type Non-IC Rated for installations where insulation can be held back 3" from sides and top. Adjustment range: 0-30° tilt and 360° rotation.	HI-27 2700K 93+ CRI White HI-30 3000K 93+ CRI White HI-35 3500K 93+ CRI White HI-40 4000K 93+ CRI White WD-5 3000-1800K 92+ CRI Warm Dim WD-6 2800-2200K 92+ CRI Warm Dim WD-7 3000-2200K 92+ CRI Warm Dim	40 Flood 60 Wide Flood	PR1-2-R Premium Forward or Reverse-Phase <1% Dimming DIM3-2-R* Forward or Reverse-Phase 5% Dimming DIM4-2-R* 0-0-10v 1% Dimming EL1-2-R EldoLED 0-10v 1% Dimming EL1-01-2-R EldoLED 0-10v 0.1% Dimming EL2-2-R EldoLED DALI 1% Dimming EL2-01-2-R EldoLED 0.1% DALI Dimming LU2-2-R* Lutron Hi-Lume LDE1 EcoSystem 1% Dimming LU4-2-R Lutron Hi-Lume PEQOE EcoSystem 0.1% Dimming *Not available with remote option.	RT REMOTE Mounted Power Supply for PR1 Driver Option RT-1L REMOTE Mounted Power Supply for EL1, EL1-01, EL2, EL2-01, or LU4 Driver Options *For use with 203-S-RM-RT Light Engines only. Leave blank for integral dimming options.

FLS-2-WW		
TRIM	TRIM FINISH	TRIM MOUNTING ACCESSORIES (Optional)
 FLS-2-WW* 4-1/4" SQUARE WALL WASH with 2-3/4" angle-cut aperture and wall wash lens *UL Wet listed.	WH WHITE	 FS-2-RM SQUARE FLANGELESS trim accessory for flush mounting FLS-2/FLS-2-BV trims in sheetrock ceiling applications in REMODEL installations
	OB* OIL-RUBBED BRONZE	
	SA* SATIN ALUMINUM	
	SAWH* SATIN ALUMINUM with WHITE flange *Specialty finish.	

Maximum REMOTE Driver-to-LED Light Engine Wire Length		
Driver Model		Wire Gauge
PR1-2-R-RT	EL1/EL1-01/EL2/EL2-01/LU4-2-R-RT-1L	
	8 ft (2.5 m)	24 AWG (0.2 mm ²)
	13 ft (4 m)	22 AWG (0.34 mm ²)
	20 ft (6 m)	20 AWG (0.5 mm ²)
	30 ft (9 m)	18 AWG (.75 mm ²)
	35 ft (10.5 m)	16 AWG (1.5 mm ²)
	50 ft (15 m)	14 AWG (2.5 mm ²)
	100 ft (30 m)	12 AWG (4.0 mm ²)
Wire Type: Stranded Class 2 wire (supplied by others)		

Light Engine, LED, Optic Option, and Accessory Notes

203-S-RM/203-S-RM-RT Wall wash airtight REMODEL light engine with fixed 20° tilt for SQUARE WALL WASH trim. Use for wall wash lighting applications. **203-S-RM** for use with INTEGRAL power supply and **203-S-RM-RT** for use with REMOTE mounted power supply. 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.

Installation Notes

Accommodates sheetrock/wood/stone (tile) ceilings with thicknesses ranging from 1/2" (min) - 1-1/2" (max). Requires 5-1/2" (min) ceiling space above finished ceiling. Type Non-IC rated for installations where insulation is held back a minimum of 3" away from sides and top. Meets Washington State Airtight Standard WAC 51-11-0502 and in accordance with ASTM E283 to reduce energy loss. Ambient temperatures in ceiling space should not exceed 40°C (104°F) during normal operation.

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.

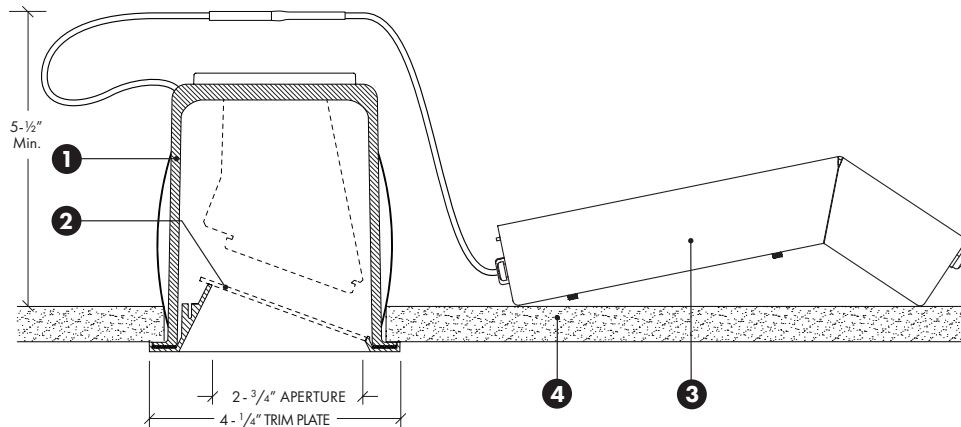
Trim Finish and Accessory Notes

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.

Warranty

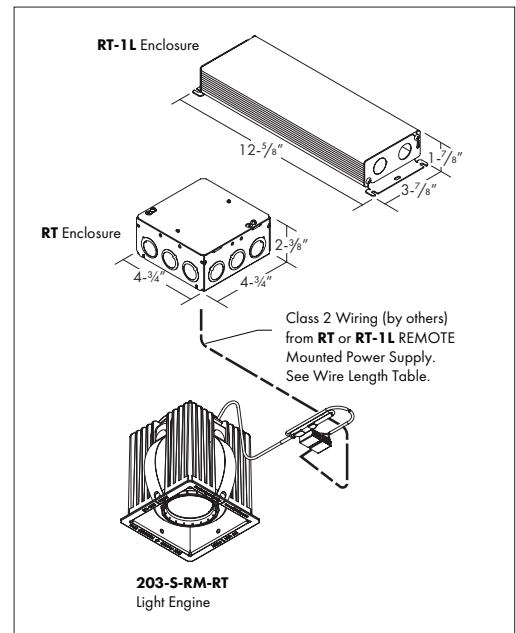
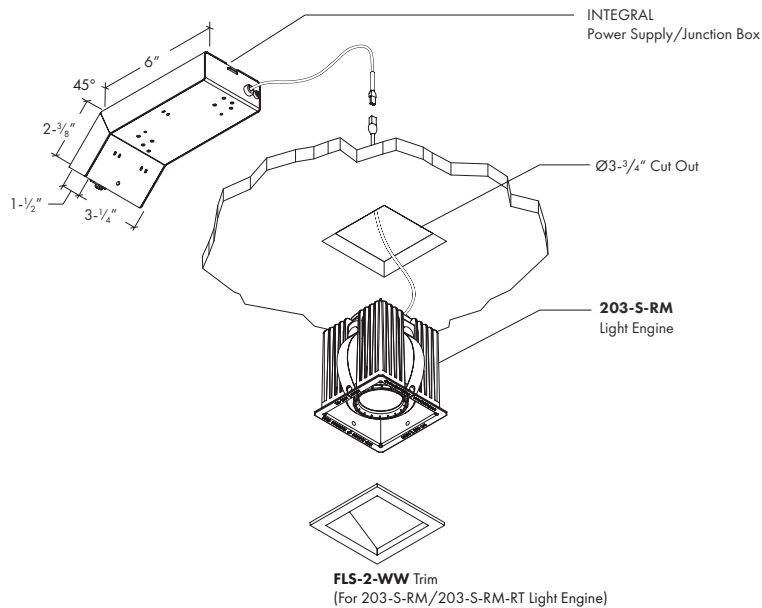
All No. 8 Lighting products are covered by a 5 year limited warranty. Products installed in residential steam applications are covered by a 2 year limited warranty. For specific warranty details and limitations, see: 8lighting.com/resources-downloads.

203-S-RM/203-S-RM-RT REMODEL FIXTURE ASSEMBLY with FLANGED TRIM INSTALLATION



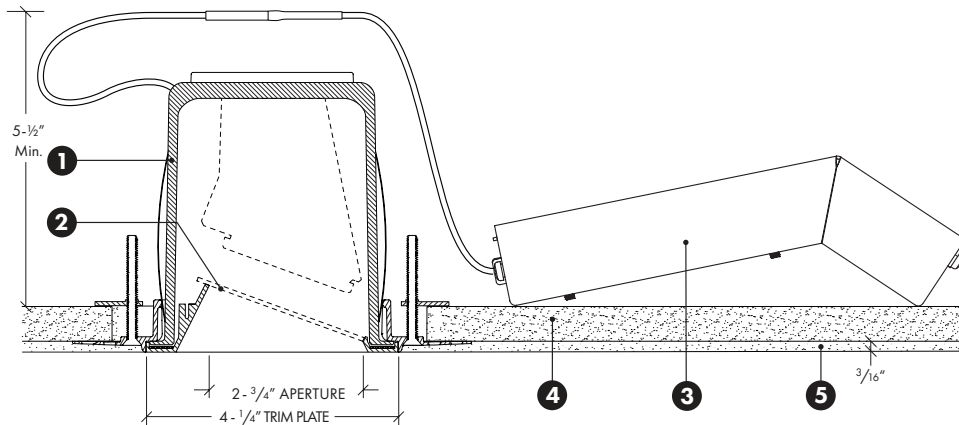
- 1) **203-S-RM/203-S-RM-RT** Wall Wash SQUARE Light Engine with fixed 20° tilt.
- 2) **FLS-2-WW** Flanged SQUARE WALL WASH Trim.
- 3) **Integral Power Supply/Junction Box** (shown) Installs from below finished ceiling and is accessible after installation. Requires 5-1/2" (Min.) clearance above ceiling for installation. **RT/RT-1L Remote Power Supply/Junction Box** (not shown) can be mounted up to 100ft from fixture using 12AWG Class 2 stranded wire. See wire length table on Page 2.
- 4) **Ceiling Material** (Sheetrock/Wood/Stone) Accommodates ceiling thicknesses from 1/2" (min) to 1-1/2" (max) without affecting aiming or rotation.

203-S-RM/203-S-RM-RT REMODEL FIXTURE ASSEMBLY with FLANGED TRIM INSTALLATION



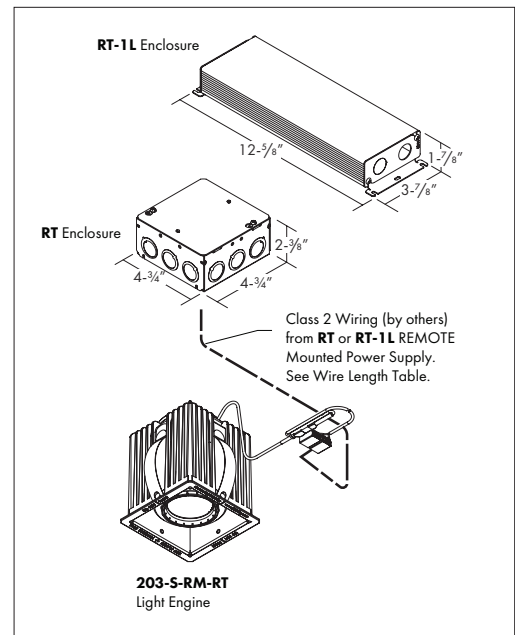
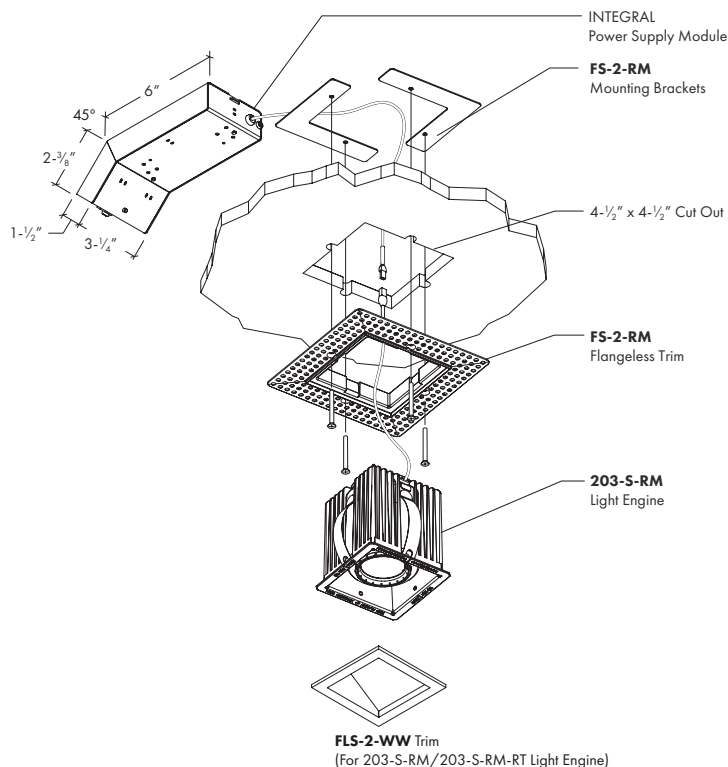
CEILING TYPES: Sheetrock, Wood & Stone | **CEILING THICKNESS:** 1/2" Min to 1-1/2" Max | **CUT-OUT:** 3-3/4" x 3-3/4"

203-S-RM/203-S-RM-RT REMODEL FIXTURE ASSEMBLY with FS-2-RM FLANGELESS TRIM



- 1) **203-S-RM / 203-S-RM-RT** Wall Wash SQUARE Light Engine with fixed 20° tilt.
- 2) **FLS-2-WW** Flanged SQUARE WALL WASH Trim + **FS-2-RM** SQUARE FLANGELESS Trim accessory.
- 3) **Integral Power Supply/Junction Box** (shown) Installs from below finished ceiling and is accessible after installation. Requires 5-¹/₂" (Min.) clearance above ceiling for installation. **RT/RT-1L Remote Power Supply/Junction Box** (not shown) can be mounted up to 100ft from fixture using 12AWG Class 2 stranded wire. See wire length table on Page 2.
- 4) **Ceiling Material** (Sheetrock) Accommodates ceiling thicknesses from ¹/₂" (min) to 1-¹/₂" (max) without affecting aiming or rotation.
- 5) **Ceiling Finish** (Drywall Compound or Plaster) Accommodates ³/₁₆" finish thickness. Minimum level 4 or 5 finish recommended.

203-S-RM/203-S-RM-RT REMODEL FIXTURE ASSEMBLY with FS-2-RM FLANGELESS TRIM



CEILING TYPES: Sheetrock | **CEILING THICKNESS:** ¹/₂" Min to 1-¹/₂" Max | **CUT-OUT:** 4-¹/₂" x 4-¹/₂"

203-S-RM w/ FLS-2-WW TRIM - PERFORMANCE SUMMARY

LED	CCT	CRI	R9	Delivered Lumens	System Wattage	Delivered LPW
HI-27	2700K	93+	66	949 - 1006	13.5	71 - 76
HI-30	3000K	93+	68	987 - 1046	13.5	74 - 79
HI-35	3500K	93+	73	1010 - 1070	13.5	76 - 81
HI-40	4000K	93+	70	1033 - 1095	13.5	77 - 83
WD-5	3000-1800K	92+	79	866 - 906	13.5	64 - 67
WD-6	2800-2200K	92+	67	836 - 887	13.5	62 - 66
WD-7	3000-2200K	92+	68	896 - 923	13.5	66 - 69

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

Performance shown for WD-5 and WD-7 LED at 3000K and WD-6 LED at 2800K with 40° and 60° optic options.

203-S-RM-HI-30 w/ FLS-2-WW 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	0.5	0.6	0.5	0.3	0.3	0.3	0.7	0.9	0.7	0.4	0.5	0.4
		1.5 ft	20.3	20.7	20.3	6.4	6.8	6.4	25.7	27.6	25.7	9.3	10.1	9.3
		2.5 ft	43.9	47.1	43.9	24.9	26.5	24.9	44.9	49.8	44.9	28.3	31.8	28.3
		3.5 ft	36.2	40.2	36.2	28.2	31.0	28.2	31.7	35.2	31.7	27.2	30.3	27.2
		4.5 ft	24.6	27.3	24.6	22.8	25.4	22.8	20.2	22.3	20.2	19.8	22.0	19.8
		5.5 ft	16.2	17.8	16.2	16.7	18.5	16.7	13.0	14.2	13.0	13.8	15.1	13.8
		6.5 ft	10.8	11.7	10.8	12.0	13.1	12.0	8.7	9.3	8.7	9.6	10.5	9.6
		7.5 ft	7.4	7.9	7.4	8.6	9.3	8.6	6.0	6.3	6.0	6.9	7.4	6.9
		8.5 ft	5.2	5.5	5.2	6.2	6.7	6.2	4.2	4.5	4.2	5.0	5.3	5.0
		9.5 ft	3.8	4.0	3.8	4.6	4.9	4.6	3.1	3.2	3.1	3.7	3.9	3.7

Performance shown for 3500K. Output varies by CCT.

203-S-RM-WD-5 w/ FLS-2-WW 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	0.5	0.6	0.5	0.3	0.3	0.3	0.7	0.8	0.7	0.4	0.4	0.4
		1.5 ft	18.7	19.5	18.7	6.0	6.6	6.0	22.3	24.6	22.3	8.1	9.1	8.1
		2.5 ft	38.4	41.5	38.4	22.1	23.8	22.1	38.3	42.4	38.3	24.3	27.4	24.3
		3.5 ft	31.3	34.8	31.3	24.6	27.0	24.6	27.0	29.9	27.0	23.2	25.7	23.2
		4.5 ft	21.2	23.5	21.2	19.7	21.9	19.7	17.2	18.9	17.2	16.8	18.6	16.8
		5.5 ft	14.0	15.3	14.0	14.4	15.9	14.4	11.1	12.0	11.1	11.7	12.8	11.7
		6.5 ft	9.3	10.1	9.3	10.3	11.3	10.3	7.4	7.9	7.4	8.2	8.9	8.2
		7.5 ft	6.4	10.1	6.4	7.4	8.0	7.4	5.1	5.4	5.1	5.8	6.3	5.8
		8.5 ft	4.5	4.8	4.5	5.4	5.8	5.4	3.6	3.8	3.6	4.3	4.5	4.3
		9.5 ft	3.3	3.4	3.3	4.0	4.2	4.0	2.7	2.8	2.7	3.2	3.3	3.2

Performance shown for 3000K. Output varies by CCT.