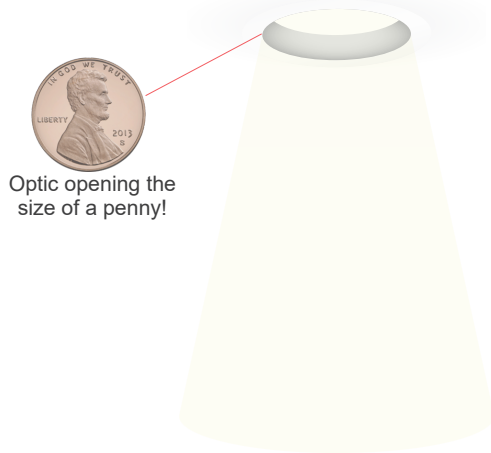


RR1-189-PAR8-3/4"TL

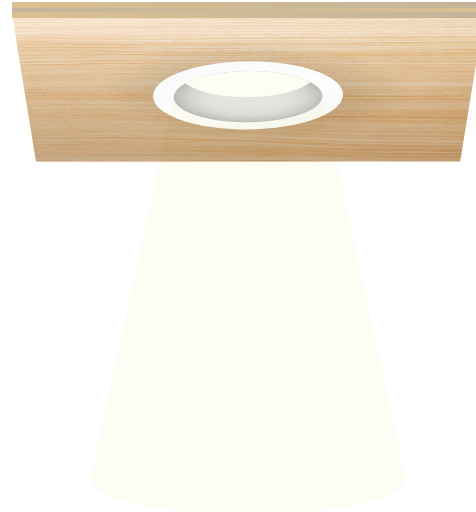
3/4" Trimless Plaster Fixture

Project Name:		Type:	
Catalog Number:		Date:	

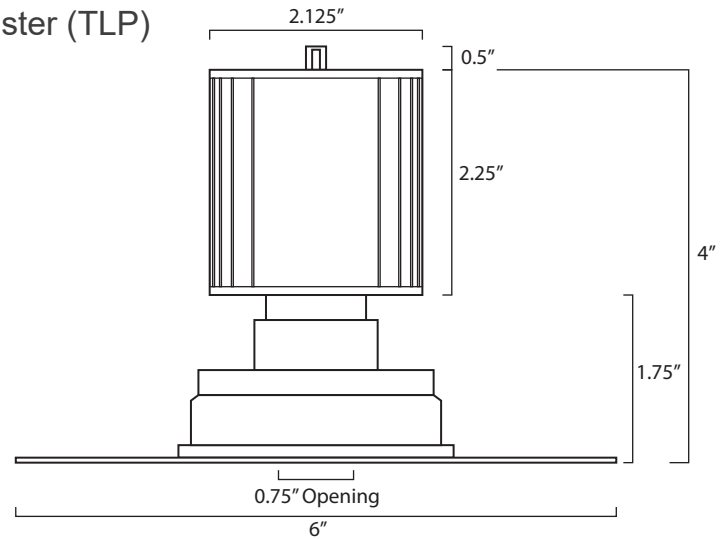
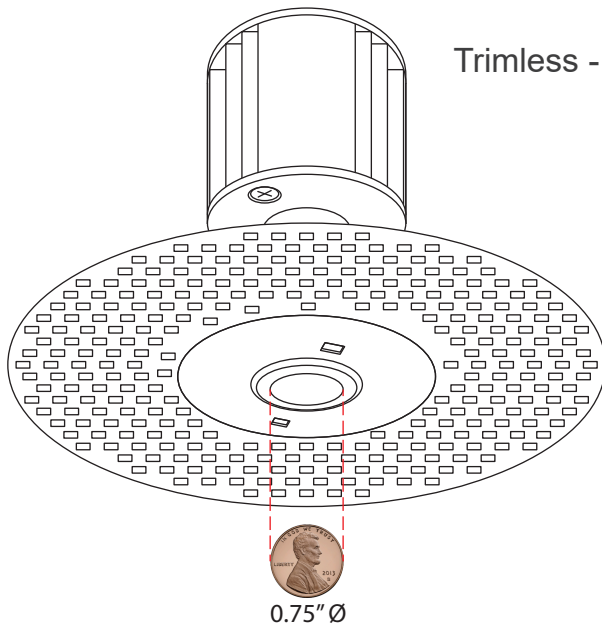
Trimless - Plaster (TLP)



Trimless - Wood (TLW)



Trimless - Plaster (TLP)



Key Features

- 0.75" ID
- Fixed Trimless Plaster
- NON IC
- Remote Transformer
- 0.03" Trimless Screen Edge
- 100,000+ L70 life

LED Source Details

- CREE XHP50 LED maximum rating = 1,500mA
- Fixture operating milliamp range = 300mA to 700mA.
- Operating 15% to 38% of rated value 20% to 47%
- Fixture wattage range = 5W to 17W
- Fixture delivered lumens = 500 to 1,150 lumens
- Calculated L70 CREE LED Life – 145,000 hrs*
- Projected L70 CREE LED Life – 315,000 hrs*

*CREE calculated from XHP502 LM80 and TM21 data

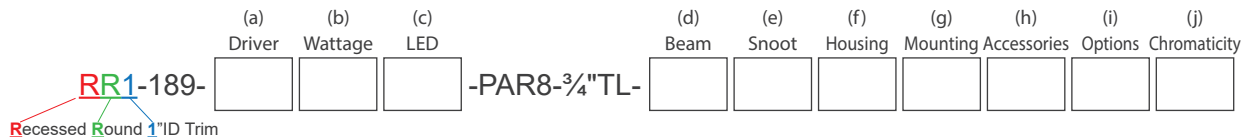
Patent No.: US 10,208,928 B1

Last revised: 04/13/2023

RR1-189-PAR8-3/4"TL

3/4" Trimless Plaster Fixture

Project Name:		Type:	
Catalog Number:		Date:	



(a) Driver Options

E	= ON/OFF (Electronic)
D	= MLV 1% Dimming (2 wire)
DC12V	= .01% PWM DC dimming (2 wire)
DC24V	= .01% PWM DC dimming (2 wire)
ED	= Electronic Reverse Phase Dimming 1% (2 wire)
0-10V1	= 0-10V 1% Dimming (3 wire)
0-10V*	= Remote mount 4 wire 0-10V LED driver single fixture
0-10V 2	= Remote mount 4 wire 0-10V driver for up to 2 fixtures
0-10V 3	= Remote mount 4 wire 0-10V driver for up to 3 fixtures
0-10V 4**	= Remote mount 4 wire 0-10V driver for up to 4 fixtures
0-10V MRI***	= 0-10V Dimming with 100bd Filter
RDM DMX	= 16 Bit, 4 Channel (2 wire with CAT5)
ABS	= Non-DMX Absolute Light .001% RGBW dimming
ABSX	= DMX Absolute Light .001% RGBW dimming

*Remote single 0-10V LED driver up to 18' away 18ga and 50' away 12ga
 **Remote 0-10V LED driver operates up to 4 fixtures up to 18' away 18ga and 50' away 12ga
 ***Operates up to 4 recessed LED light fixtures for MRI room installation with remote LED driver

(b) Wattage Options

5W (500 Lumens)	= ON/OFF, 0-10V 1%, ED*
7W (500 Lumens)	= MLV <1% Dimming
10W (000 Lumens)	= ABS
11W (525 Lumens)	= ON/OFF, 0-10V 1%, ED*
14W (525 Lumens)	= MLV <1% Dimming
15W (1150 Lumens)	= ON/OFF, 0-10V 1%, ED*
17W (1150 Lumens)	= MLV <1% Dimming, DMX

*Only with no accessories.

(c) Lamp Type Options

X4LED = Cree XHP50 LED = 50+% brighter than XLED (available in spot, narrow flood, and flood)

(d) Beam Options

SP	= Spot	NFL	= Narrow Flood
FL	= Flood		

(e) Snoot Color Options

BLKS	= Black Snoot
WHTS	= White Snoot
PWTS	= Pewter Snoot

(f) Fixture Housing Options

Non-IC Rated:
 RMT = No housing, no frame, remote transformer spring clip loaded trim
 NIC = Frame and junction box to be used with trim version

IC Rated:
 AH = 8" x 8" Architectural housing to be used with trimmed or level plane installation

(g) Installation Options

TLP	= Trimless Plaster
TLW	= Trimless Wood

(h) Optical and Accessory Options

LS	= Lens Softener - +20% increase in beam width. Shields optical face visually. Softens edges of beam.	
LSL	= Linear Spread Lens - Horizontal or vertical beam elongation.	
WFL	= Wide Flood Lens - Wall washing increases the beam by 50% width with elimination of center beam.	
LV	= Louver - Small black hexcel louver eliminates all surface brightness. Creates stronger vertical cut off with -20% beam width.	
CHL	= Cross Hiar Louver	
H	= Halogen - 100K warmer. 2700k to 2500K	
DH	= Dimmed Halogen - 400K warmer. 2700k to 2300K	

(i) Options

RMT14	= 14Watt 12V AC MLV Step Down Transformer
RMT60	= 60Watt 12V AC MLV Step Down Transformer
RMT150	= 150Watt 12V AC MLV Step Down Transformer
RMT300	= 300Watt 12V AC MLV Step Down Transformer
120V	= 120VAC 60Hz (Standard)
230V	= 230VAC 50Hz
277V	= 277VAC 60Hz
347V	= 347VAC 60Hz
EMG	= 90min Emergency Back-Up Battery
TB	= DMX 5-pin Plug-in Terminal Block
RET*	= Bi-pin whip to plug Clarté LED trim module into existing MLV transformed recessed halogen MR16 fixtures.
80+	= CRI over 80
90+	= CRI over 90
EXT	= Exterior zinc primer with zinc infused paint

*Eliminate the need to install new 12V AC step down transformer, Clarté LED trim installs like changing a lamp.

(j) Color Temperature Options

White LED	Colored/Themed LED
22K* = 2200 Kelvin (candlelight color)	UV365** = 365 NM UV black light
27K = 2700 Kelvin (incandescent color)	UV390** = 390 NM UV black light
30K = 3000 Kelvin (halogen color)	Blue* = 465 - 485 NM wavelength
35K = 3500 Kelvin (warm incandescent)	Green* = 520 - 535 NM wavelength
40K = 4000 Kelvin (cool incandescent)	Amber* = 585 - 595NM wavelength
50K = 5000 Kelvin (day white)	Red* = 620 - 630 NM wavelength
65K = 6500 Kelvin (12 noon sunlight)	RGBW3K*** = Red, Green, Blue, White
	RGBW4K*** = Red, Green, Blue, White

*1050 mA or less

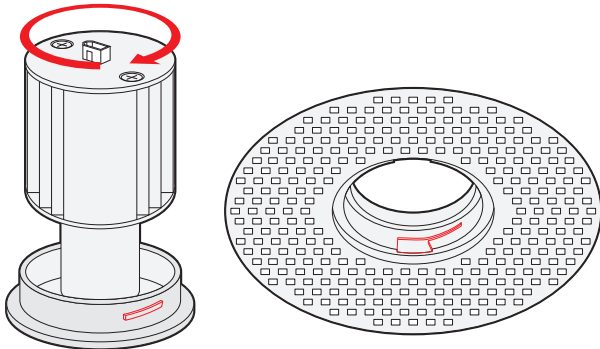
**700 mA or less
 ***Must utilize DMX fixture option

RR1-189-PAR8-3/4"TL

3/4" Trimless Plaster Fixture

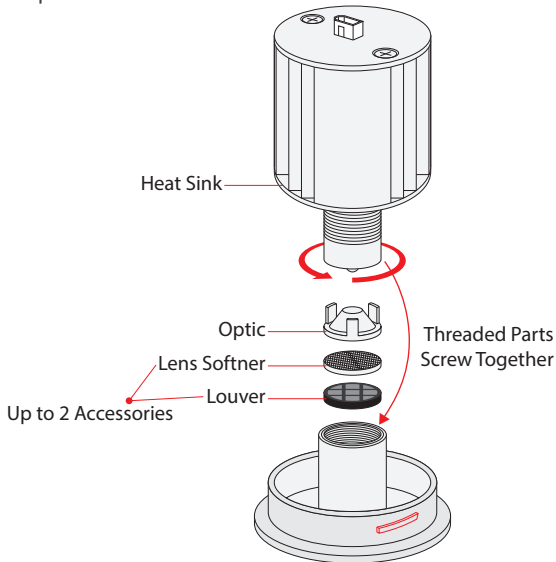
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Catalog Number:		Date:	

2-Part Design

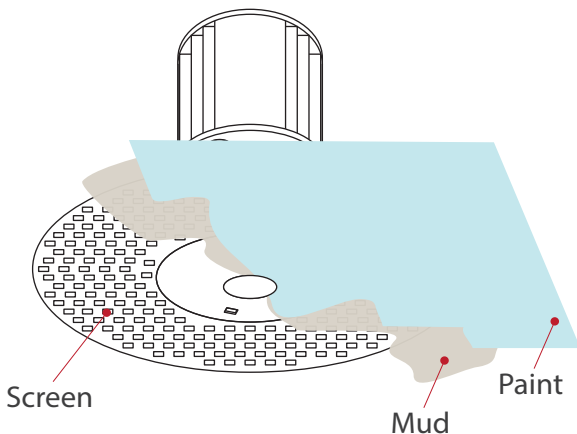


Quick and easy install.
Line up slots and twist.

Exploded View of Parts



Quick Install Diagram



Electrical

- Optional - 12V AC remote class 2
- Optional - 12V or 24 DC remote class 2
- 100V, 120V, 230V, or 277V

Heat Sync

- 100% extruded aluminum construction

LED

- 1,500 maximum milliamp rated CREE XHP50 LED
- Operates between 450 to 700 milliamps
- L70 life = 100,000 hr.+

LED Driver

- D – 2 wire forward phase .01% LED driver fade to off glow to on
- ED – 2 wire reverse phase 1% LED driver
- DC – 12V or 24V
- 0-10V – 3 wire 1% LED driver
- Absolute Light – Remote mount class 2 48V din rail .001% LED system
- 16-bit RMD DMX – 65,536 dimming steps fade to off glow to on

Optics

- TIR discrete injection molded polycarbonate precision LED optic
- 45-degree vertical cut off

Accessories

- Up to 2 accessories

Trimless

- 0.03" Screen Edge
- 2-Part design for easy access to LED or driver

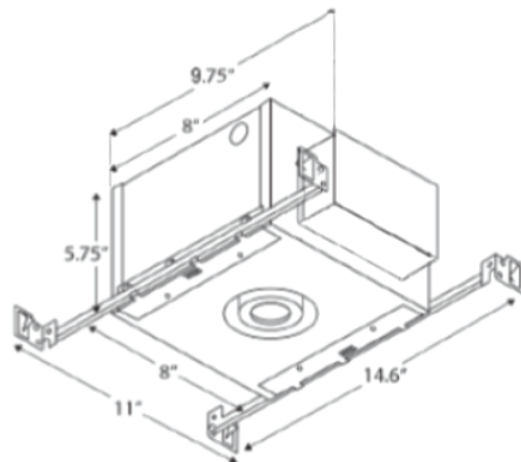
Certification

- UL Damp Listed – IP 52 – Open trim

Warranty

- 5 Year – ED, 0-10V, DMX and colored LED fixtures
- 7 Year – D and White LED fixtures

IC Architectural Housing – 100% Aluminum Housing



RR1-189-PAR8-3/4"TL

3/4" Trimless Plaster Fixture

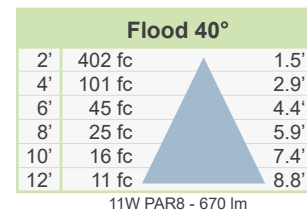
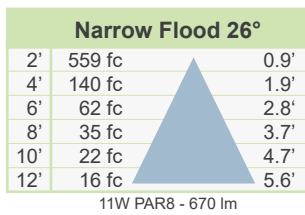
Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output

300 Milliamps - 500 Lumens		700 Milliamps		525 Milliamps - 900 Lumens		700 Milliamps - 1150 Lumens	
5W	ON/OFF	10W	Red - Up to 150 Lumens	11W	ON/OFF	15W	ON/OFF
	0-10V 1% Dimming		Green - Up to 150 Lumens		0-10V 1% Dimming		0-10V 1% Dimming
	ED		Blue - Up to 150 Lumens		ED		ED
7W	MLV <1% Dimming		White - Up to 300 Lumens	14W	MLV <1% Dimming	14W	MLV <1% Dimming
							DMX

3 Step CREE XPL2 LED

Kelvin-CRI	Multiplier
27K-80+ CRI	1
27K-90+ CRI	0.80
30K-80+ CRI	1
30K-90+ CRI	0.85
35K-80+ CRI	105
35K-90+ CRI	0.9
40K-80+ CRI	109
50K-80+ CRI	109
65K-80+ CRI	105
80+ = 84 CRI	
90+ = 94 CRI	

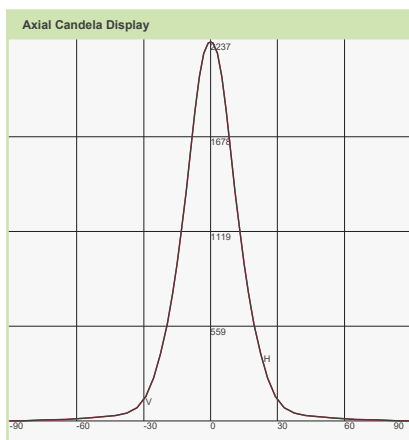


Zonal Flux and Percentages

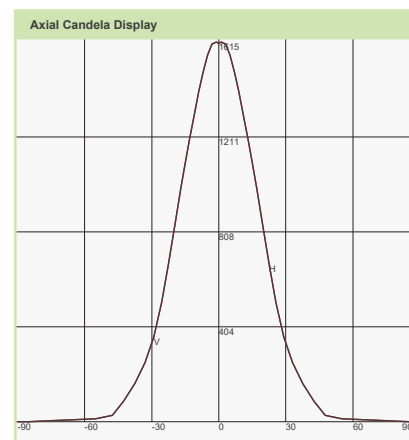
Zone	%Luminaire
0-20	63
0-30	83.3
0-40	89.8
0-60	95.8
0-80	99.2
0-90	100
10-90	77.9
20-40	26.7
20-50	30.6
40-70	8
60-80	3.4
70-80	1.4
80-90	0.8

Zonal Flux and Percentages

Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5



Maximum Candela = 2237 Located At Horizontal Angle = 0, Vertical Angle = 0
 H - Horizontal Axial Candela
 V - Vertical Axial Candela



Maximum Candela = 1615 Located At Horizontal Angle = -1, Vertical Angle = 0
 H - Horizontal Axial Candela
 V - Vertical Axial Candela

Clarté Lighting

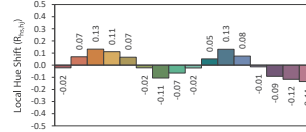
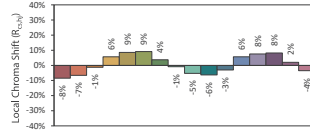
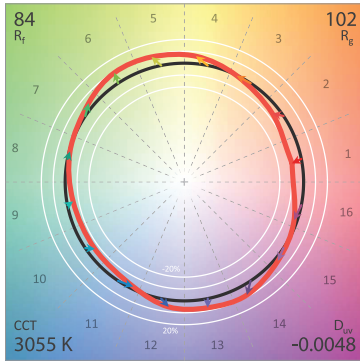
RR1-189-PAR8-3/4"TL

3/4" Trimless Plaster Fixture

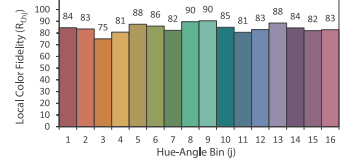
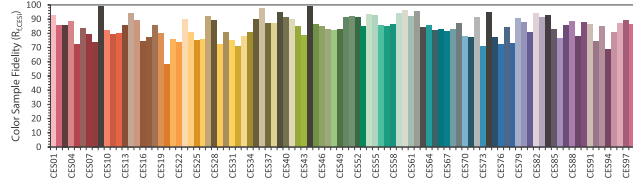
TM-30-18 Color Metrics

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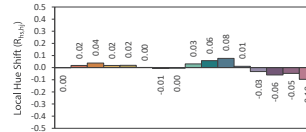
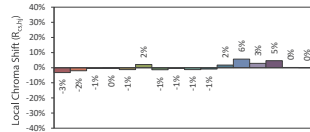
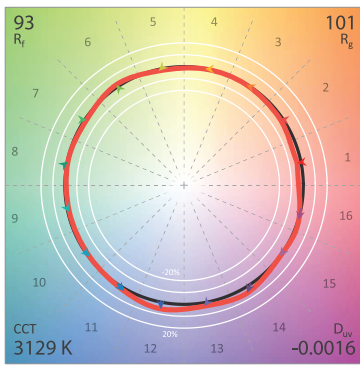
Clarté Lighting 3000K 80+ CRI Color Metrics



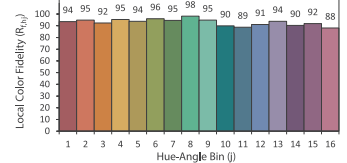
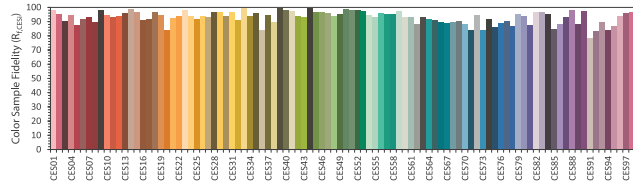
CIE 13.3-1995 (CRI)
 R_a 86
 R_g 29



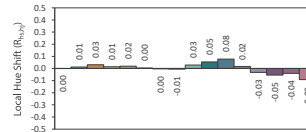
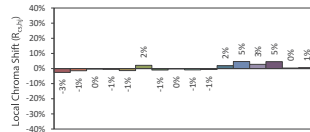
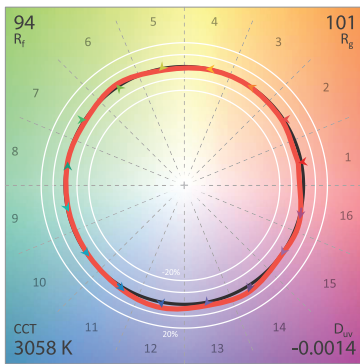
Clarté Lighting 3000K 90+ CRI Color Metrics



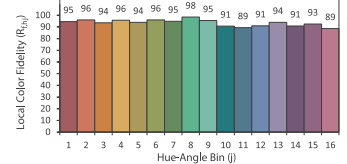
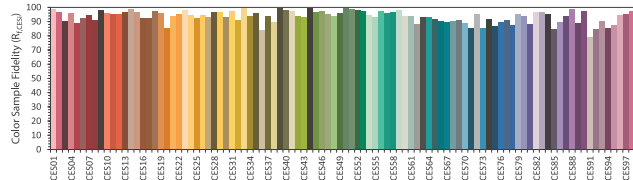
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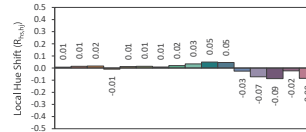
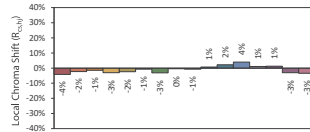
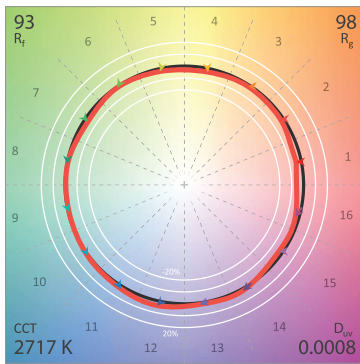
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



CIE 13.3-1995 (CRI)
 R_a 96
 R_g 79



Clarté Lighting 3000K 90+ CRI Dimmed Halogen Lens (DH) Color Metrics



CIE 13.3-1995 (CRI)
 R_a 95
 R_g 64

