

Project Name:		Type:	
Catalog Number:		Date:	

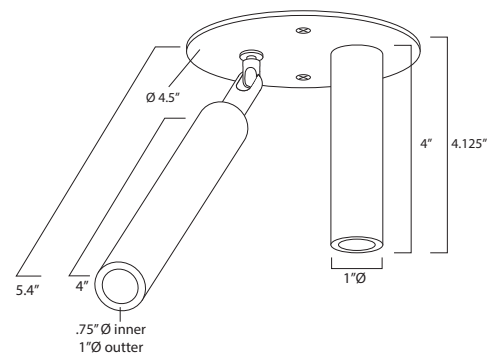
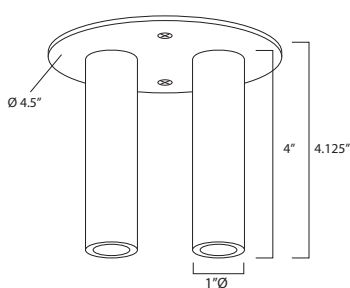
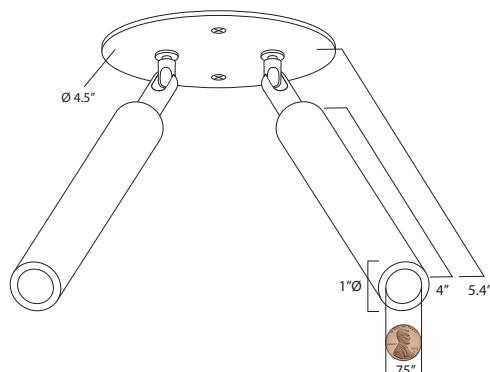
Adjustable



Fixed



Adjustable/Fixed



Key Features

- ADA Compliant = 1.625" depth
- 3/4" ID & 1" OD LED Optic
- 4 Beam Spreads – Spot (17°), Narrow Flood (26°) or Flood (40°), Luminosity (50° with Vertical Illumination)
- Class 2 = 12V, 24V or 48V
- Accepts Up to 3 Optical Accessories
- UL = IP66 & 1598A (Pending)

LED Source Details

- CREE XHP50.2 LED maximum rating = 1500 mA
- Operating Range = 350 mA to 700 mA
 - Operating 15% to 38% of Rated Value
 - Fixture Wattage Range = 5W to 14W
 - Fixture Delivered Lumens = 450 to 900 Lumens

Patent No.: US 10,208,928 B1

Last revised: 04/04/2023

Clarté Lighting

SMR2-601-PAR8

Surface Multiple 2-Light

Ordering

Project Name:		Type:	
Catalog Number:		Date:	

(a) Driver (b) Wattage (c) LED (d) Beam (e) Accessories (f) Length (g) Color (h) Mounting (i) Housing (j) Options (k) Chromaticity

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Surface Mount Round 2 Lamp

(a) Driver Options

D = .01% Magnetic Low Voltage Dimming (2 wire)
 ELV = 1% Electronic Low Voltage Dimming
 12V AC = .01% PWM AC dimming (2 wire) remote magnetic 12V AC transformer
 24V DC = .01% PWM DC dimming (2 wire) 24V DC power supply
 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
 DALI2 = .01% Digital Addressable Lighting Interface V2
 DALI2-4 = .01% Digital Addressable Lighting Interface V2 (4 fixtures)
 ABS = Absolute Light remote mount 48V din rail RGBW3K

*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

(b) Wattage Options

5W = ED, ON/OFF, 0-10V 1% (350 milliamps), 450 lumens
 7W = MLV <1% Dimming (350 milliamps), 450 lumens
 10W = Absolute Light
 11W = ED, ON/OFF, 0-10V 1% (700 milliamps), 900 lumens
 14W = MLV <1% Dimming (700 milliamps), 900 lumens
 15W = ED, ON/OFF, 0-10V 1%
 17W = MLV <1% Dimming, DMX








(c) LED Type Options

X4LED = Cree XHP50.2 LED

(d) Beam Options

SP = Spot 17° NFL = Narrow Flood 26°
 FL = Flood 40° LM = Luminosity Flood 50° Vertical Illumination with 5/8" glow extension

(e) 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 - Hexcel louver eliminates all surface brightness. Creates stronger vertical cut off with -20% beam width. 
 CHL = Cross Hiar Louver 
 H = Halogen - 150K warmer. 2700k to 2550K 
 DH = Dimmed Halogen - 300K warmer. 2700k to 2400K 

(f) Fixture Length Options

L4 = 4" Fixture Length
 L8 = 8" Fixture Length
 L12 = 12" Fixture Length
 L18 = 18" Fixture Length

Level plane and 1/2" trimless fixtures utilized with a stem must be mounted to a fixed 3 O/S j-box

(g) Fixture Color Options

BLK* = Black
 WHT* = White
 PWT* = Pewter
 Select Custom Color (Review Website for Over 3,300 Color Options)

*Zinc based powder coat paint for weatherization

(h) Mounting Options

ADJ = Adjustable FX = Fixed
 ADJ/FX = Adjustable/Fixed

(i) Housing Options

NC = New Construction RMT = Remote Transformer

(j) 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
 2CP = 2" Canopy Plate
 2.75CP = 2.75" Canopy Plate
 4.5CP = 4.5" Canopy Plate
 TL = Trimless Remote LED Driver (to be used only with E and 0-10V LED drivers)
 TLR = Trimless 1/2" Recessed
 LP = Level Plane
 EMG = Remote 90min Emergency Back-Up
 80+ = CRI over 80
 90+ = CRI over 90

(k) Color Temperature Options

White LED

22K* = 2200 Kelvin (candlelight color)
 27K = 2700 Kelvin (incandescent color)
 30K = 3000 Kelvin (halogen color)
 35K = 3500 Kelvin (warm incandescent)
 40K = 4000 Kelvin (cool incandescent)
 50K = 5000 Kelvin (day white)
 65K = 6500 Kelvin (12 noon sunlight)

Colored/Themed LED

UV365** = 365 NM UV black light
 UV390** = 390 NM UV black light
 Blue* = 465 - 485 NM wavelength
 Green* = 520 - 535 NM wavelength
 Amber* = 585 - 595NM wavelength
 Red* = 620 - 630 NM wavelength
 RGBW3K*** = Red, Green, Blue, White
 RGBW4K*** = Red, Green, Blue, White

*1050 mA or less

**700 mA or less

***Must utilize DMX fixture option

Clarté Lighting

SMR2-601-PAR8

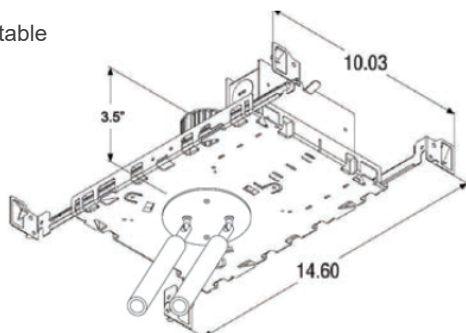
Surface Multiple 2-Light

Specifications

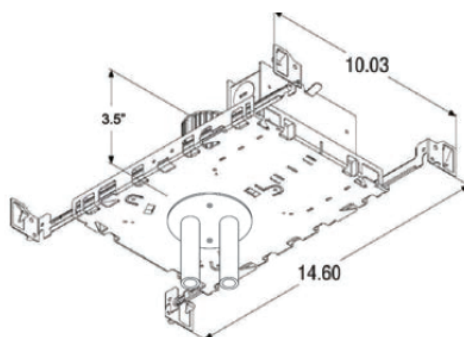
Project Name:		Type:	
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Frame Option

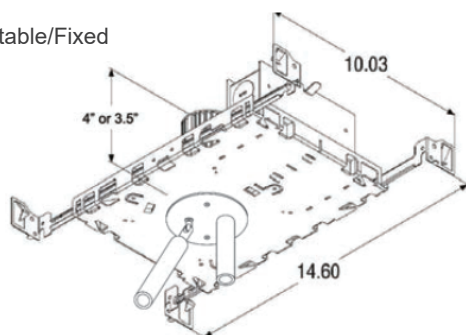
Adjustable



Fixed



Adjustable/Fixed



Housing

- 100% aluminum construction

Electrical – Class 2 = 12V, 24V or 48V

- 112V AC = Must utilize a remote magnetic low voltage transformer
- 12V DC = Direct connection to existing 12V DC power supply
- 24V DC = Direct connection to existing 24V DC power supply
- 0-10V = Remote mount 4 wire 0-10V LED driver single fixture
- 0-10V 4 = Remote mount 4 wire 0-10V driver for up to 4 fixtures
- ABS = Absolute Light remote mount 48V din rail RGBW3K

LED

- CREE XHP50
- 1500 milliamps maximum
- Operates between 350 to 700 milliamps
- 100,000+ L70 life

LED Driver

- 12V AC = Must utilize a remote magnetic low voltage transformer
- 12V DC = Direct connection to existing 12V DC power supply
- 24V DC = Direct connection to existing 24V DC power supply
- 0-10V = Remote mount 4 wire 0-10V LED driver single fixture
- 0-10V 4 = Remote mount 4 wire 0-10V driver for up to 4 fixtures
- ABS = Absolute Light remote mount 48V din rail RGBW3K

Optics

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

Installation

- EMT Connector – Push Lock EMT Connector Installation

Certification

- UL Wet Listed – 66 & 1598A (Pending)

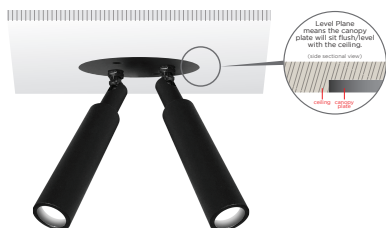
Warranty

- 5 Year = 100,000 hr. L70 life

Trimless ½" Recessed

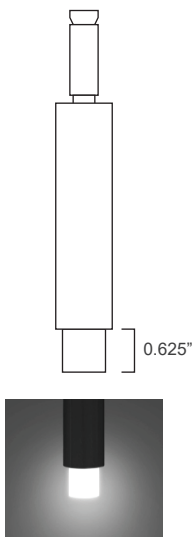


Level Plane

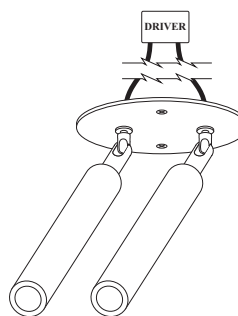


Level plane and ½" trimless fixtures utilized with a stem must be mounted to a fixed 3 O/S j-box

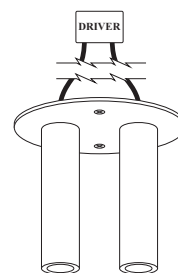
Luminosity Accessory



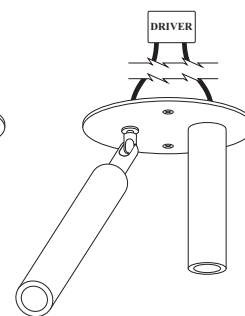
Adjustable



Fixed

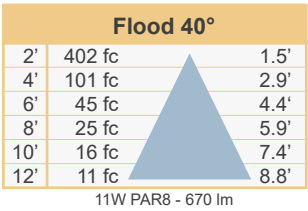
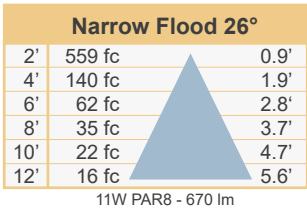


Adjustable/Fixed



NOTE: For fixed version, only 1 accessory can be added. Please notify if adding an accessory before placing order.

Wattage & Lumen Output				3 Step CREE XPL2 LED	
350 Milliamps - 450 Lumens		700 Milliamps - RGBW3K Absolute Light		Kelvin-CRI	
5W	ON/OFF	10W	Red - Up to 150 Lumens	27K-80+ CRI	1
	0-10V 1% Dimming		Green - Up to 150 Lumens	27K-90+ CRI	0.80
7W	MLV <1% Dimming		Blue - Up to 150 Lumens	30K-80+ CRI	1
			White - Up to 300 Lumens	30K-90+ CRI	0.85
		525 Milliamps - 650 Lumens		35K-80+ CRI	105
		11W	ON/OFF	35K-90+ CRI	0.9
			0-10V 1% Dimming	40K-80+ CRI	109
		700 Milliamps - 900 Lumens		50K-80+ CRI	109
		14W	MLV <1% Dimming	65K-80+ CRI	105
		15W	ON/OFF		
			0-10V 1% Dimming		
				80+ = 84 CRI	
				90+ = 94 CRI	

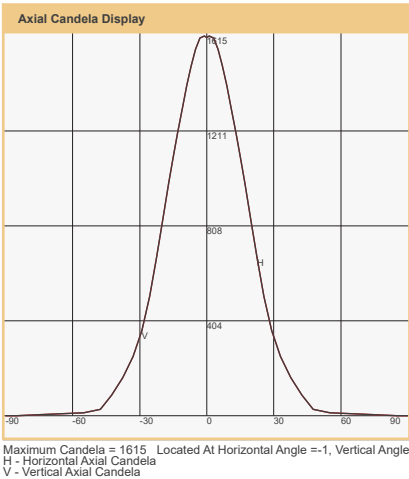
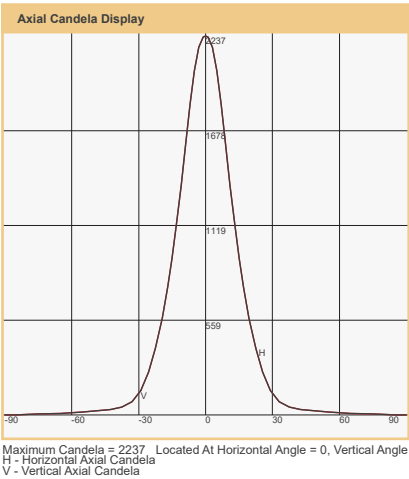


Zonal Flux and Percentages

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

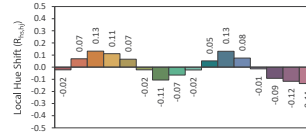
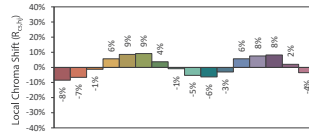
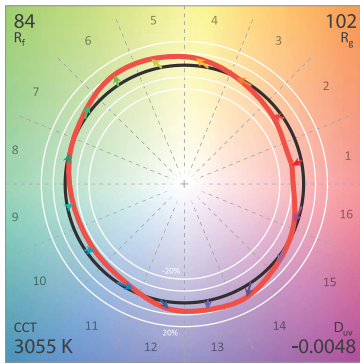
Zonal Flux and Percentages

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

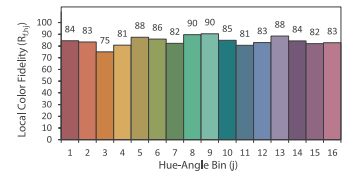
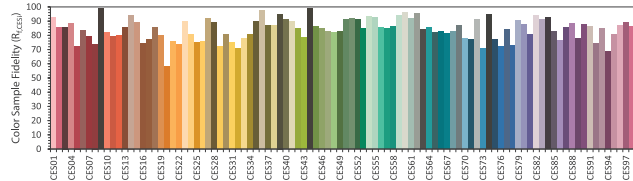


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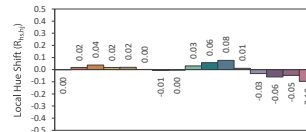
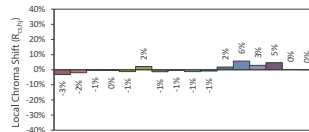
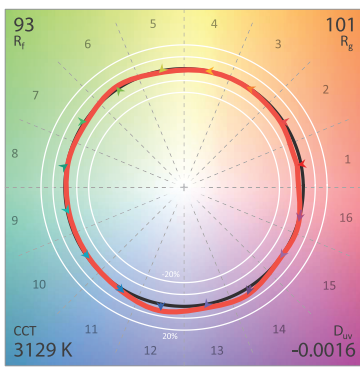
Clarté Lighting 3000K 80+ CRI Color Metrics



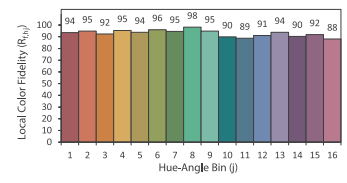
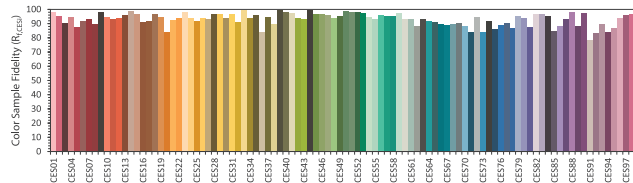
CIE 13.3-1995 (CRI)
R _a 86
R ₉ 29



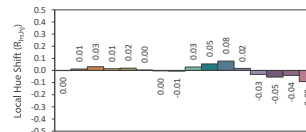
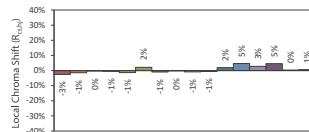
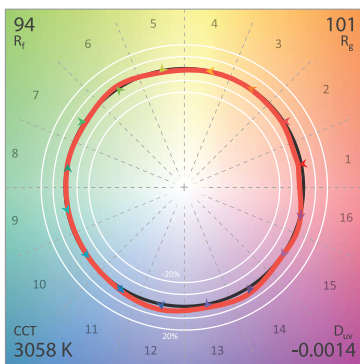
Clarté Lighting 3000K 90+ CRI Color Metrics



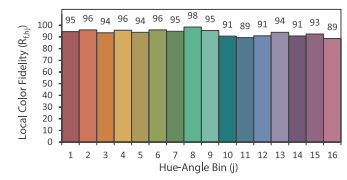
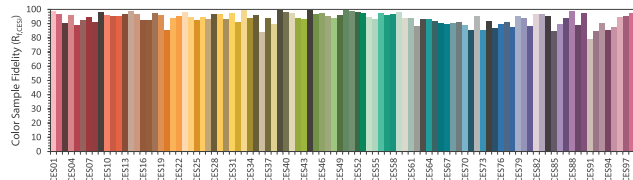
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R ₉ 74



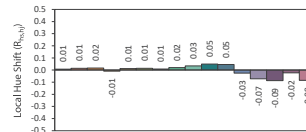
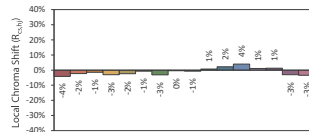
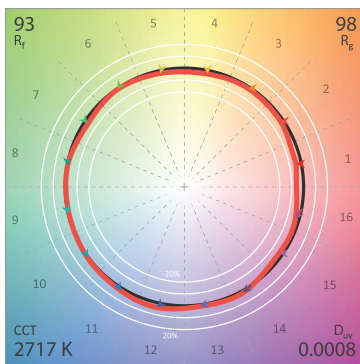
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



CIE 13.3-1995 (CRI)
R _a 96
R ₉ 79



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



CIE 13.3-1995 (CRI)
R _a 95
R ₉ 64

