

Project Name:		Type:	
Catalog Number:		Date:	

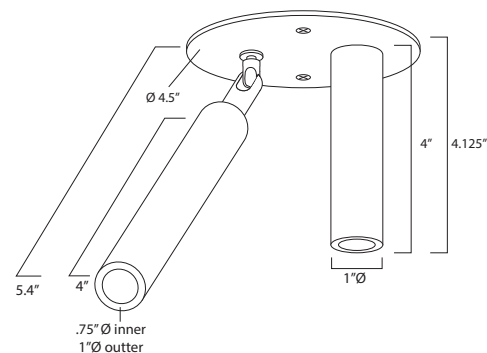
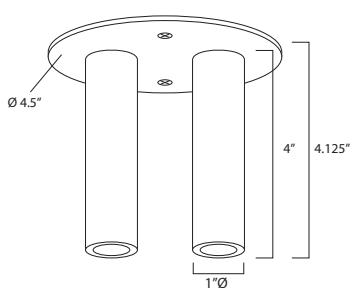
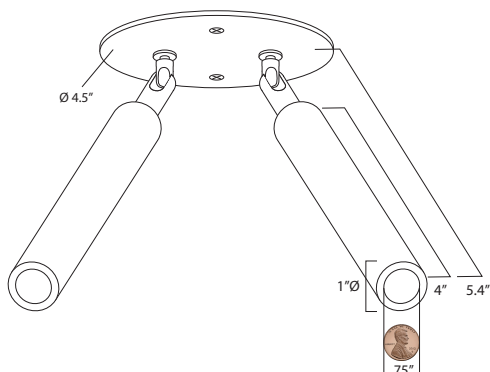
Adjustable



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

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: 01/05/2026

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
SMR2-601-				-PAR8-								

SurfaceMountRound2Lamp

(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
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(d) Beam Options

SP	=	Spot 17°	NFL	=	Narrow Flood 26°
FL	=	Flood 40°	LM	=	Luminosity Flood 50° Vertical Illumination with ⅝" 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	Level plane and ½" trimless fixtures utilized with a stem must be mounted to a fixed 3 O/S j-box
L18	=	18" Fixture Length	

(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/Fixedt					

(i) Housing Options

NC	=	New Construction	RMT	=	Remote Transformer
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(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
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		Colored/Themed LED		
22K*	= 2200 Kelvin (candlelight color)	available soon	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		

Clarté Lighting

SMR2-601-PAR8

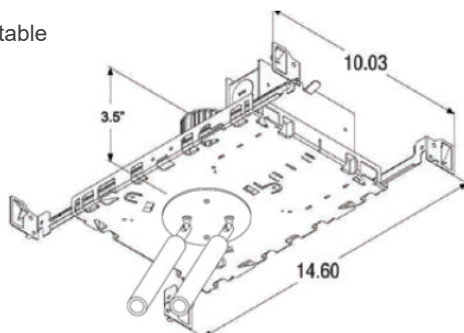
Surface Multiple 2-Light

Specifications

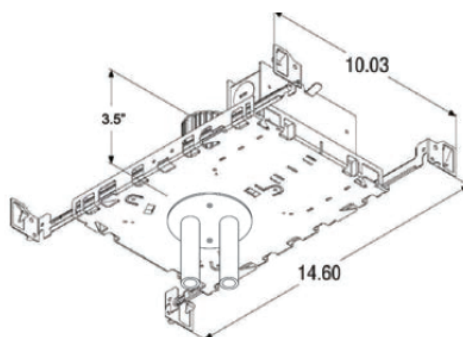
Project Name:		Type:	
Catalog Number:		Date:	

Frame Option

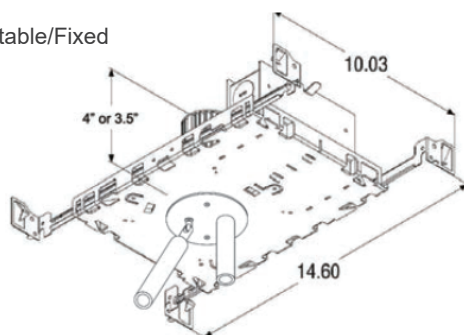
Adjustable



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
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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 – IP66

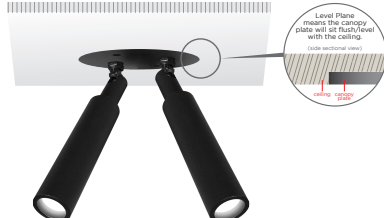
Warranty

- 5 Year = 100,000 hr. L70 life

Trimless ½" Recessed

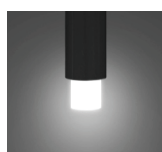


Level Plane



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

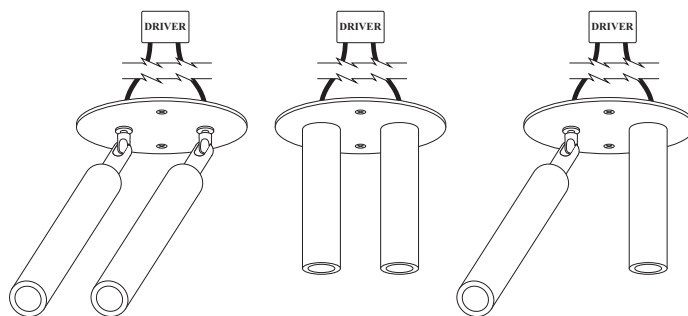
Luminosity Accessory



Adjustable

Fixed

Adjustable/Fixed



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

Clarté Lighting

SMR2-601-PAR8

Surface Multiple 2-Light

Photometrics

Project Name:		Type:	
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Wattage & Lumen Output

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

RGBW V2 Light Output Luminous Flux

Clarté Lighting offers 100% of fixtures in optional RGBW3K or RGBW4K

	700 mA RGBW3K	700 mA White 3K
Red	160	
Green	310	
Blue	46	
White	260	
Total	776	907

*RGBW Fixtures are designed to not operate with all 4 colors at 100% of light for more than 24hrs continuously and suggest operating 55% or less of all 4 colors ON to ensure optimum thermal life of the RGBW LED.

Narrow Flood 26°

2'	559 fc	0.9'
4'	140 fc	1.9'
6'	62 fc	2.8'
8'	35 fc	3.7'
10'	22 fc	4.7'
12'	16 fc	5.6'

11W PAR8 - 525mA - 670 lm

Narrow Flood 26°

2'	699 fc	0.9'
4'	175 fc	1.9'
6'	78 fc	2.8'
8'	44 fc	3.7'
10'	28 fc	4.7'
12'	20 fc	5.6'

15W PAR8 - 700mA - 893 lm

Flood 40°

2'	402 fc	1.5'
4'	101 fc	2.9'
6'	45 fc	4.4'
8'	25 fc	5.9'
10'	16 fc	7.4'
12'	11 fc	8.8'

11W PAR8 - 525mA - 907 lm

Flood 40°

2'	503 fc	1.5'
4'	127 fc	2.9'
6'	57 fc	4.4'
8'	32 fc	5.9'
10'	20 fc	7.4'
12'	14 fc	8.8'

15W PAR8 - 700mA - 1209 lm

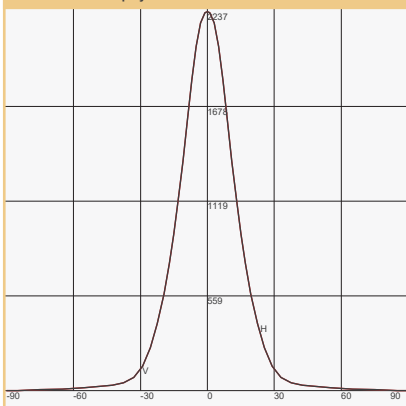
Zonal Flux and Percentages

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

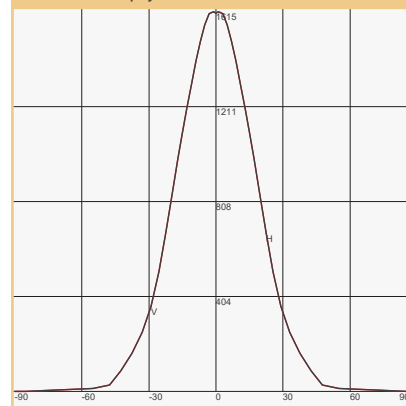
Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5

Axial Candela Display



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

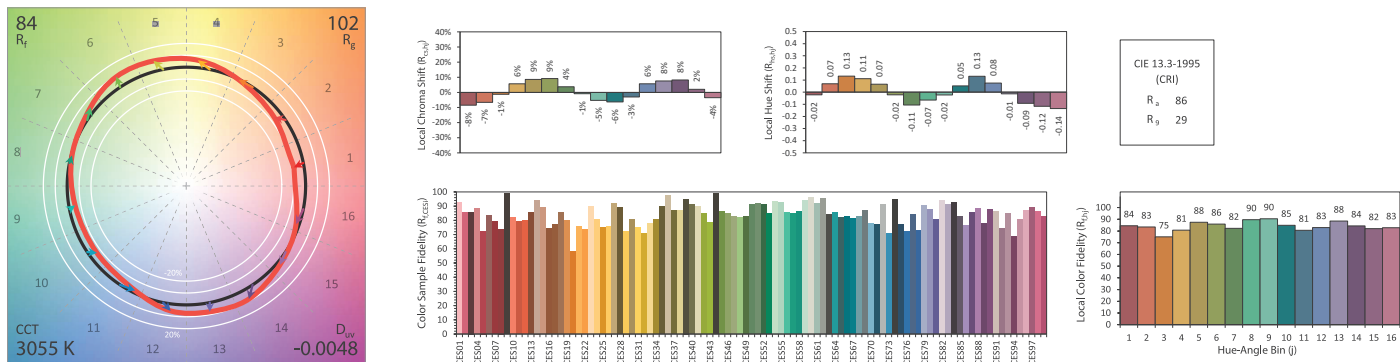
Axial Candela Display



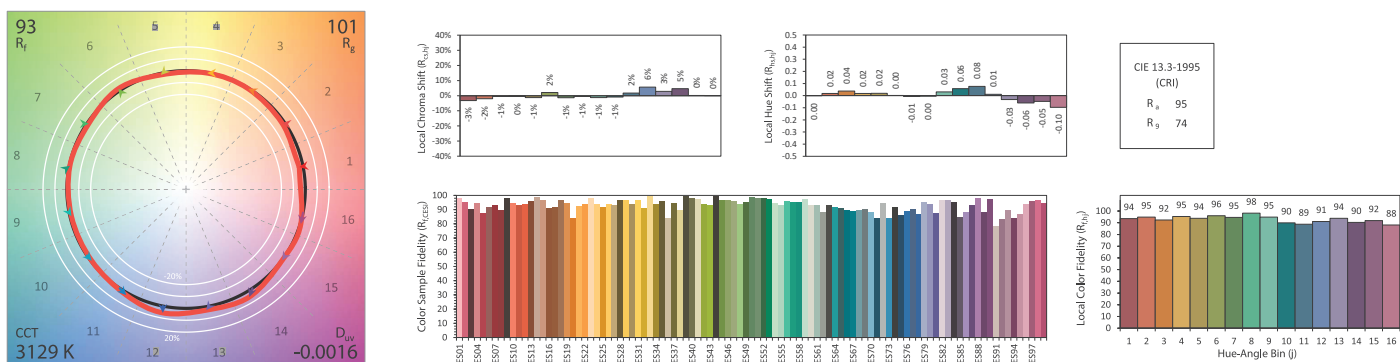
Maximum Candela = 1615 - Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

Project Name:		Type:	
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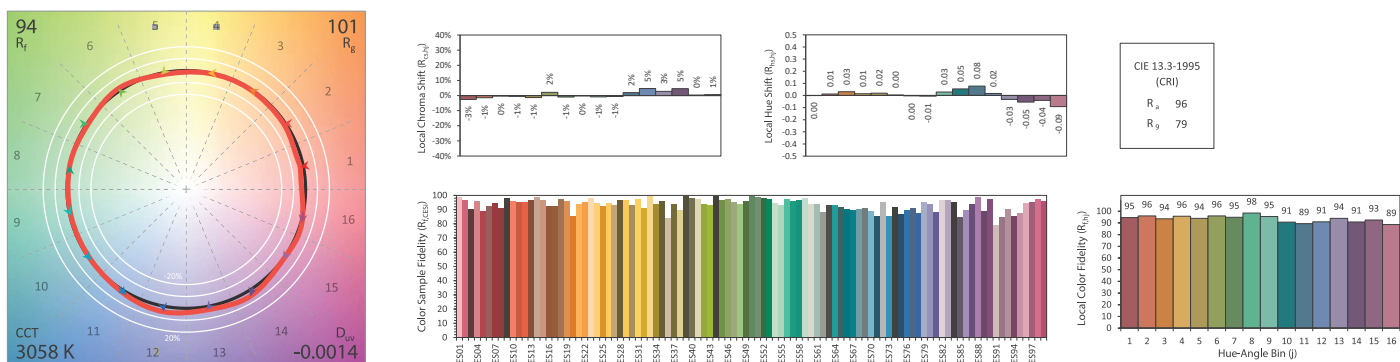
Clarté Lighting 3000K 80+ CRI Color Metrics



Clarté Lighting 3000K 90+ CRI Color Metrics



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



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

