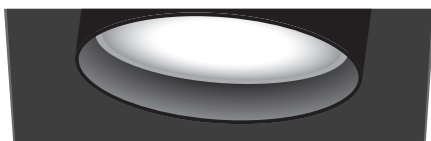


Project Name:		Type:	
Catalog Number:		Date:	

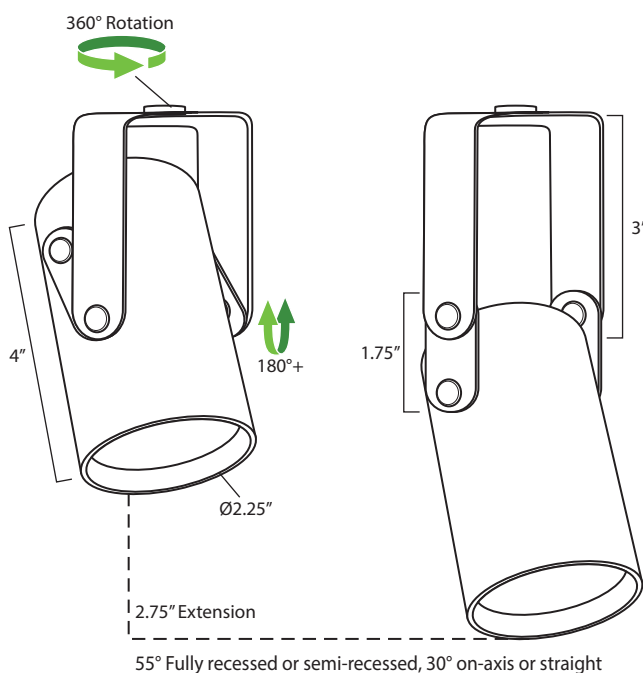
Trimless



Trim



7.5" x 7.5" Trim with 5" x 5" Inner Opening



Key Features

- Non-IC
- Fully recessed or semi recessed PAR16 optic orientation
- Fixed recessed PAR30 optic
- 2 circuits - circuit for each optical array
- Up to 4 architectural accessories per optic
- Over 3300+ Custom color finish options
- 100,000+ L70 life
- 7 Year Warranty – White LED

LED Source Details

- Fixture operating milamp range = 450mA to 1,150mA
- Operating 15% to 35% of rated value
- Fixture wattage range = 8W to 16W per optic
- Fixture delivered lumens = 700 lumens to 1,300 lumens

Last revised: 02/10/2025

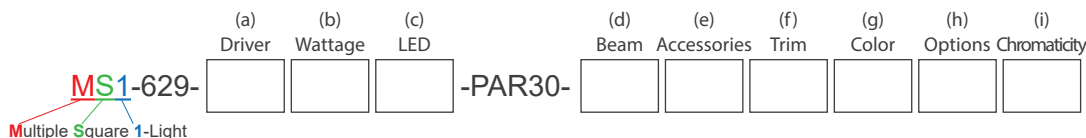
Clarté Lighting

MS1-629-PAR30

Multiple Square 1-Light Slot

Ordering

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 (4 wire)
RDM DMX	= 16 Bit, 4 Channel (2 wire with CAT5)

(b) Wattage Options

24W (700 milliamps/1600 lumens)	= ON/OFF, 0-10V 1%
27W (700 milliamps/1600 lumens)	= MLV <1% Dimming
36W (1050 milliamps/2400 lumens)	= ON/OFF, 0-10V 1%
42W (1050 milliamps/2400 lumens)	= MLV <1% Dimming
48W (600 milliamps/2000 lumens)	= RDM DMX RGBW
48W (1200 milliamps/3000 lumens)	= Lutron Dimming
51W (1200 milliamps/3000 lumens)	= MLV <1% Dimming
55W (1400 milliamps/3500 lumens)	= ON/OFF, 0-10V 1% or RDM DMX

(c) LED Type Options

XLED	= Cree XPL2 LED @ All Wattages
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(d) Beam Options

NSP	= Narrow Spot	NFL	= Narrow Flood
SP	= Spot	FL	= Flood

(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) Trim Type

T	= Trimmed (for suspended ceiling, T-bar, or plaster ceiling installation)
TL	= Trimless (for wood frame plaster ceiling installation)

(g) Fixture Color Options

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

(h) 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
12V	= DC
24V	= DC
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
RMT	= Remote transformer with remodel trim
80+	= CRI over 80
90+	= CRI over 90

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

(i) 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
		**500 mA	
		***700 mA	
		****Must utilize DMX @ 700 mA	

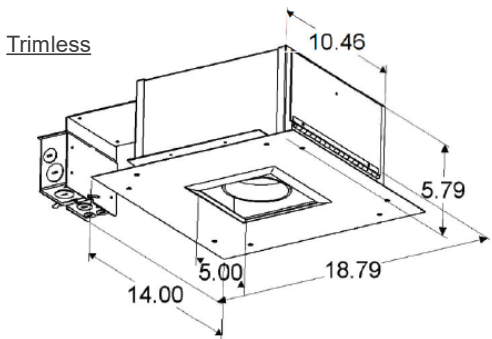
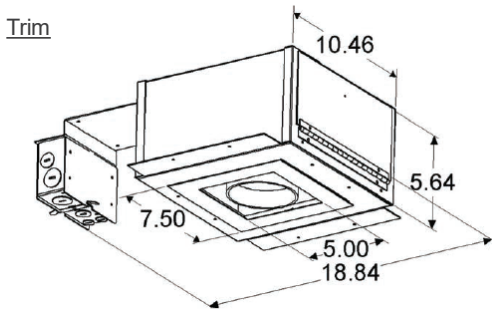
*1050 mA or less

Clarté Lighting
MS1-629-PAR30
 Multiple Square 1-Light Slot

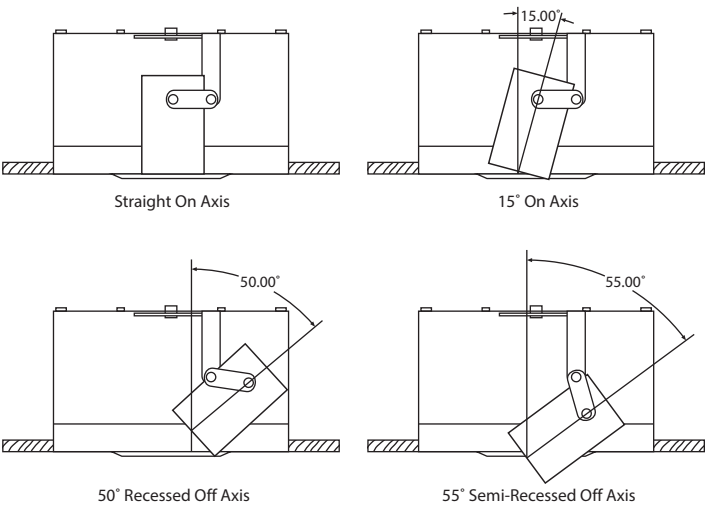
Specifications

Project Name:		Type:	
Catalog Number:		Date:	

Housing Dimensions:



Adjustability: Single bracket praying mantis shown below.
 Double bracket praying mantis increases adjustability by ~ 20%.



Housing

- 100% aluminum construction
- Single screw removal of 3.375" x 17" top LED driver compartment
- Tool less driver compartment cover for easy access

Electrical

- NON-IC fixture housing
- Optional - 12V AC remote class 2
- Optional - 12V or 24 DC remote class 2
- 100V, 120V, 230V, 277V or 347V

Emergency Battery Back Up

- 190mA of light output = 9 watts
- LifePO4 battery = up to 10 times life of lead acid batteries
- 90 minute batter back up

LED

- CREE XPL2 LED
- Operates at 1150
- 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 – 4 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

Trim

- Spring loaded compression installation
- Steal .02" thin trim

Trim Finish

- Textured white, textured black or standard pewter
- 3300+ Custom powder coat finishes optional

Trimless Installation

- Available in trimless

Installation

- Accommodates ceiling thickness up to 2.5"
- Universal adjustable 24" adjustable hangar bars

Certification

- UL Damp Listed – IP 52

Warranty

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

2 Trim Installation Options



Clarté Lighting

MS1-629-PAR30

Multiple Square 1-Light Slot

PAR16 Photometrics

Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output

700 Milliamps - 1800 Lumens
22W

1000 Milliamps - 2500 Lumens
33W

1200 Milliamps - 3100 Lumens
42W

1400 Milliamps - 3400 Lumens
46W

1600 Milliamps - 3900 Lumens
55W

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

	Line Voltage 600 mA RGBW3K	ABS Light 700 mA RGBW3K	700 mA White 3K
Red	1296	1440	
Green	2511	2790	
Blue	372	414	
White	2106	2340	
Total	6285	6984	2533

*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 Spot 12°

2'	11,097 fc	0.4'
4'	2,774 fc	0.9'
6'	1,233 fc	1.3'
8'	694 fc	1.7'
10'	444 fc	2.1'
12'	308 fc	2.6'

55W PAR30 - 3,372 lm

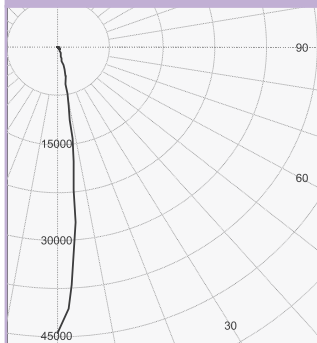
Intensity Summary (cd)

Gamma	All Planes	Flux (lm)
0	44389	
5	27240	1963
10	9044	
15	2798	872
20	854	
25	440	214
30	285	
35	211	135
40	172	
45	133	105
50	102	
55	57	56
60	45	
65	29	25
70	3	
75	1	1
80	1	
85	0	0
90	0	

Zonal Flux and Percentages

Zone	Flux (lm)	%Luminaire
0-30	3049	90.4
0-40	3784	94.4
0-60	3345	99.2
0-90	3372	100.0
40-90	188	5.6
60-90	27	0.8
90-180	0	0.0
0-180	3372	100.0

All planes - Solid (cd)



(Rotational Symmetry)

Narrow Flood 22°

2'	x fc	x.x'
4'	x fc	x.x'
6'	x fc	x.x'
8'	x fc	x.x'
10'	x fc	x.x'
12'	x fc	x.x'

55W PAR30 - 3,841 lm

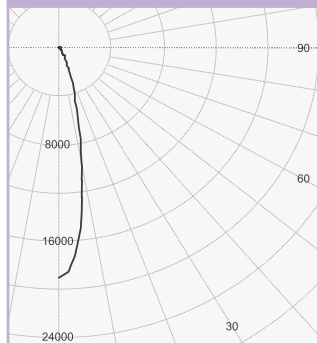
Intensity Summary (cd)

Gamma	All Planes	Flux (lm)
0	19074	
5	16233	1332
10	9848	
15	5190	1461
20	2626	
25	1289	620
30	632	
35	329	220
40	211	
45	146	114
50	98	
55	57	55
60	42	
65	27	26
70	14	
75	9	10
80	6	
85	2	3
90	0	

Zonal Flux and Percentages

Zone	Flux (lm)	%Luminaire
0-30	3413	88.8
0-40	3633	94.6
0-60	3802	99.0
0-90	3840	100.0
40-90	208	5.4
60-90	39	1.0
90-180	0	0.0
0-180	3841	100.0

All planes - Solid (cd)



(Rotational Symmetry)

Flood

2'	fc	'
4'	fc	'
6'	fc	'
8'	fc	'
10'	fc	'
12'	fc	'

55W PAR30 - 2,919 lm

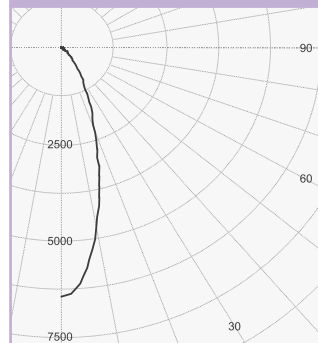
Intensity Summary (cd)

Gamma	All Planes	Flux (lm)
0	6451	
5	5949	529
10	4754	
15	3424	944
20	2326	
25	1552	720
30	1033	
35	639	405
40	368	
45	227	181
50	145	
55	88	83
60	58	
65	39	39
70	21	
75	14	15
80	9	
85	4	4
90	0	

Zonal Flux and Percentages

Zone	Flux (lm)	%Luminaire
0-30	2193	75.1
0-40	2598	89.0
0-60	2862	98.0
0-90	2919	100.0
40-90	321	11.0
60-90	58	2.0
90-180	0	0.0
0-180	2919	100.0

All planes - Solid (cd)



(Rotational Symmetry)

Clarté Lighting

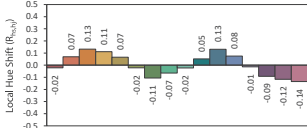
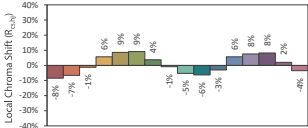
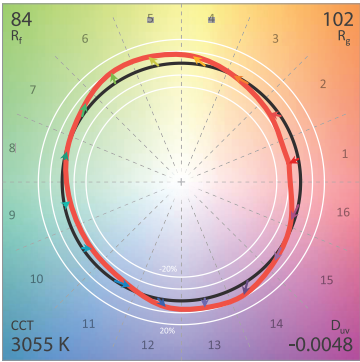
MS1-629-PAR30

Multiple Square 1-Light Slot

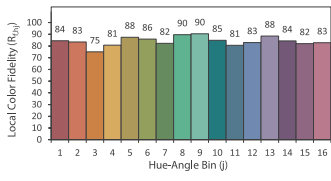
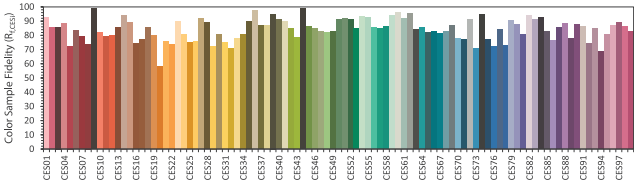
TM-30-18 Color Metrics

Project Name:		Type:	
Catalog Number:		Date:	

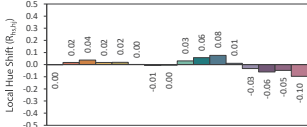
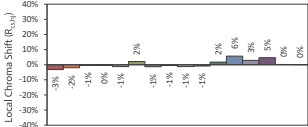
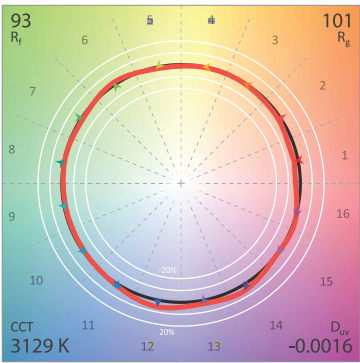
Clarté Lighting 3000K 80+ CRI Color Metrics



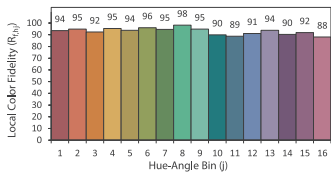
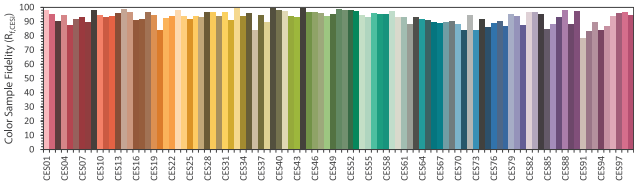
CIE 13.3-1995 (CRI)
R _a 86
R _g 29



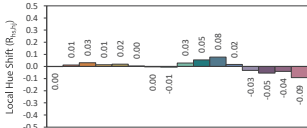
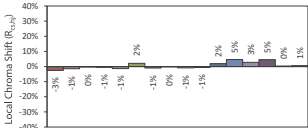
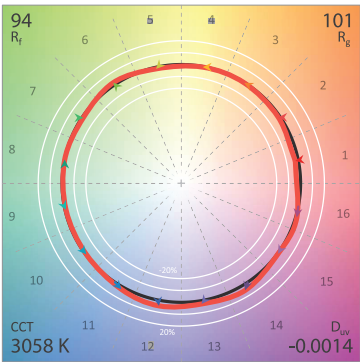
Clarté Lighting 3000K 90+ CRI Color Metrics



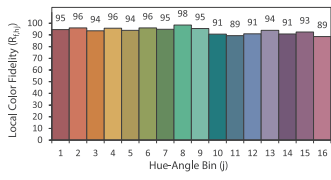
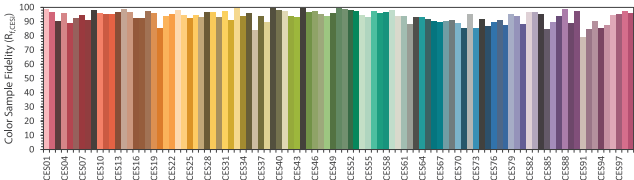
CIE 13.3-1995 (CRI)
R _a 95
R _g 74



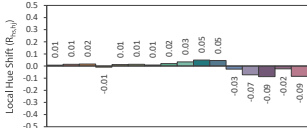
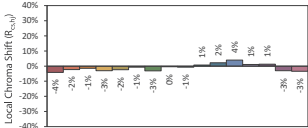
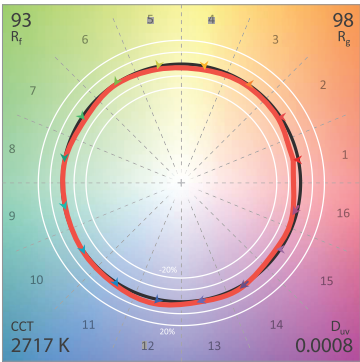
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics



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

