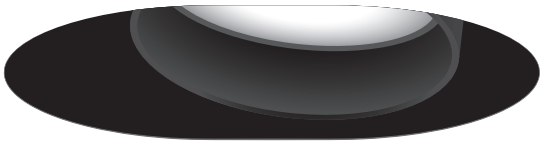
MO1-636-PAR30

Multiple Oval 1-Light Slot

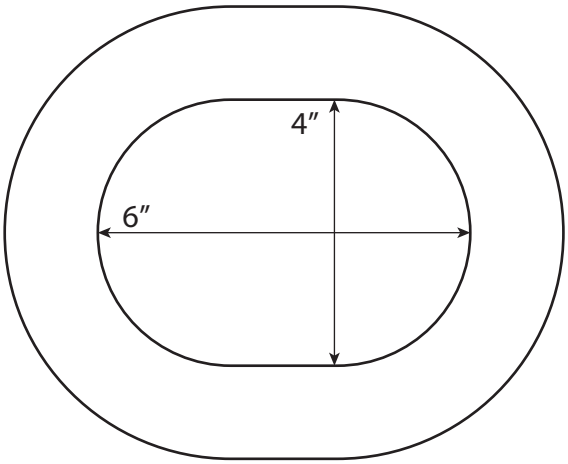
Project Name:		Type:	
Catalog Number:		Date:	

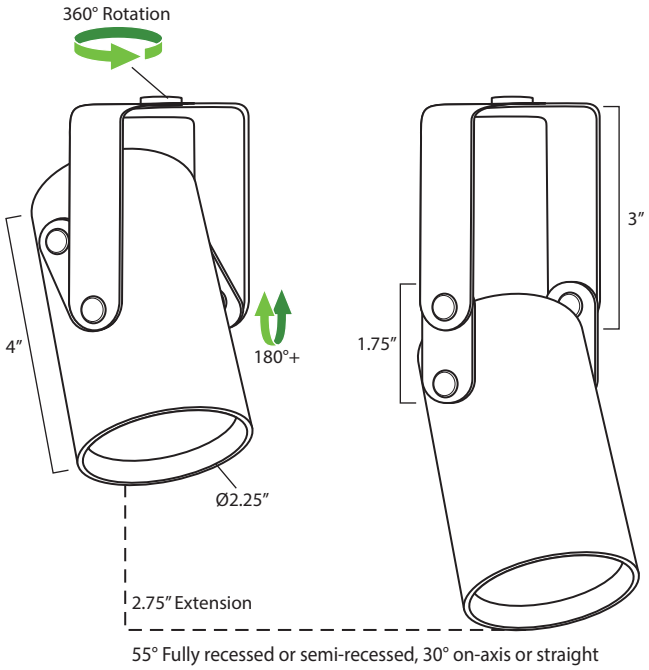
Trimless



Recessed with Trim







Key Features

- Non-IC
- Fully recessed or semi recessed PAR30 optic orientation
- 2 circuits - circuit for each optical array
- Up to 4 Accessories
- Over 6,500 Color Options Available
- 100,0000+ hr 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: 11/09/2026

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Clarté Lighting

MO1-636-PAR30

Multiple Oval 1-Light Slot

Ordering

Project Name:		Type:	
Catalog Number:		Date:	

	(a) Driver	(b) Wattage	(c) LED		(d) Beam	(e) Accessories	(f) Trim	(g) Color	(h) Options	(i) Chromaticity
MO1-636-				-PAR30-						

Multiple Oval 1-Light

(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

21W (700mA - 1890 lumens)	=	ON/OFF, 0-10V 1%
33W (850mA - 1890 lumens)	=	MLV <1% Dimming
33W (1100mA - 1890 lumens)	=	ON/OFF, 0-10V 1%
38W (1050mA - 3420 lumens)	=	MLV <1% Dimming
41W (1400mA - 3690 lumens)	=	DMX White
43W (1400mA - 3870 lumens)	=	ON/OFF, 0-10V 1%
54W (700mA - 4860 lumens)	=	Absolute Light
55W (500mA per LED - 4950 lumens)	=	DMX RGBW

(c) LED Type Options

XLED = Cree XPL2 LED @ All Wattages

(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 elimniates 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 wtih 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

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)

*1050 mA or less

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
Photo Red***	=	650 - 670 NM wavelength
RGBW3K***	=	Red, Green, Blue, White
RGBW4K***	=	Red, Green, Blue, White

**700 mA
***Must utilize DMX @ 600 mA

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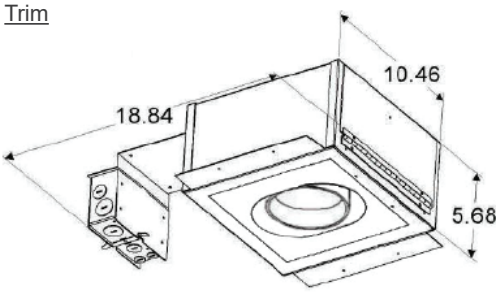
Multiple Oval 1-Light Slot

Specifications

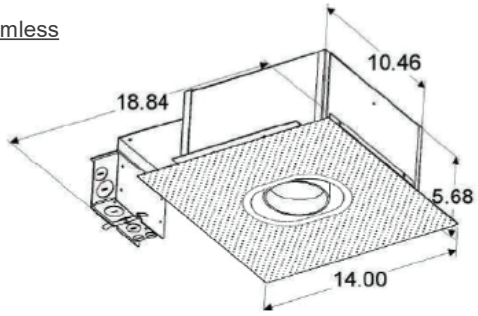
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Catalog Number:		Date:	

Housing Dimensions:

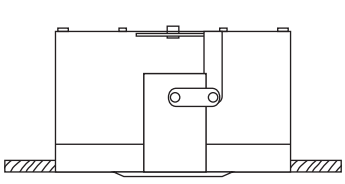
Trim



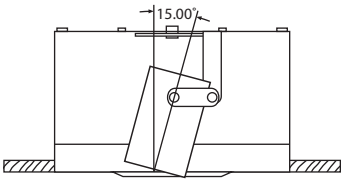
Trimless



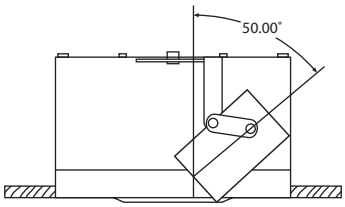
Adjustability: Single bracket praying mantis shown below.
Double bracket praying mantis increases adjustability by ~ 20%.



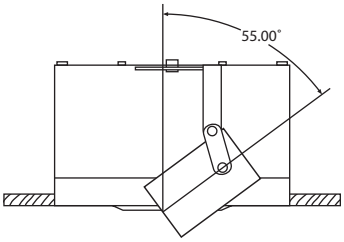
Straight On Axis



15° On Axis



50° Recessed Off Axis



55° Semi-Recessed Off Axis

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



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Clarté Lighting

MO1-636-PAR30

Multiple Oval 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

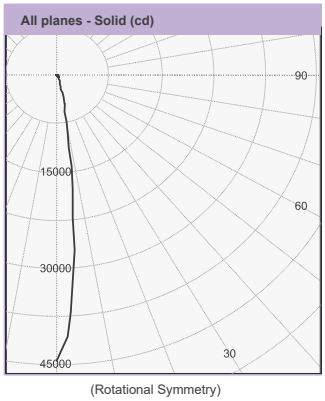
Intensity Summary (cd)

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)

Spot 19°

2’	4,301 fc	0.7’
4’	1,075 fc	1.4’
6’	478 fc	2.1’
8’	269 fc	2.8’
10’	172 fc	3.5’
12’	119 fc	4.2’

28W PAR20 - 1,865 lm

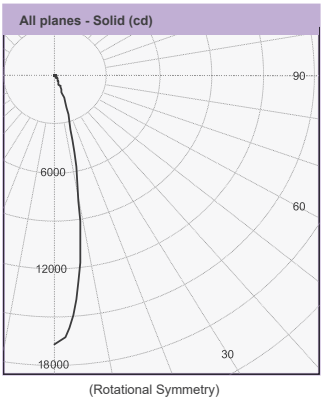
Intensity Summary (cd)

Gamma	All Planes	Flux (lm)
0	17204	
5	14400	519
10	8520	
15	4164	475
20	1951	
25	921	166
30	476	
35	287	71
40	205	
45	163	50
50	125	
55	68	26
60	49	
65	36	5
70	8	
75	3	1
80	1	
85	0	0
90	0	

Zonal Flux and Percentages

Zone	Flux (lm)	%Luminaire
0-30	2810	87.1
0-40	2997	92.9
0-60	3191	98.9
0-90	3226	100.0
40-90	228	7.1
60-90	35	1.1
90-180	0	0.0
0-180	3226	100.0

All planes - Solid (cd)



(Rotational Symmetry)

Narrow Flood 22°

2’	3,200 fc	0.8’
4’	800 fc	1.7’
6’	356 fc	2.5’
8’	200 fc	3.3’
10’	128 fc	4.1’
12’	89 fc	5.0’

55W PAR30 - 3,841 lm

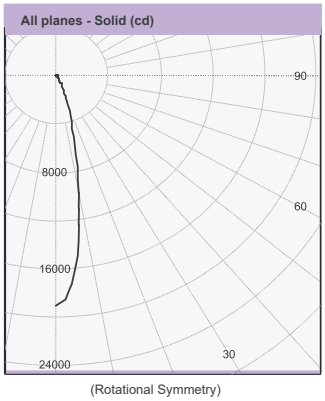
Intensity Summary (cd)

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’	1,613 fc	1.1’
4’	403 fc	2.3’
6’	179 fc	3.4’
8’	101 fc	4.5’
10’	65 fc	5.7’
12’	45 fc	6.8’

55W PAR30 - 2,919 lm

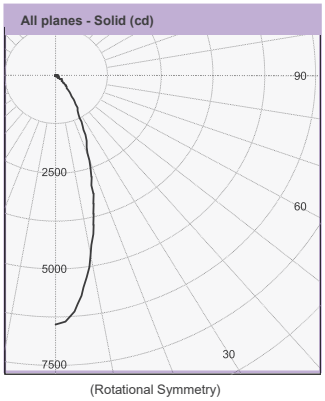
Intensity Summary (cd)

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)

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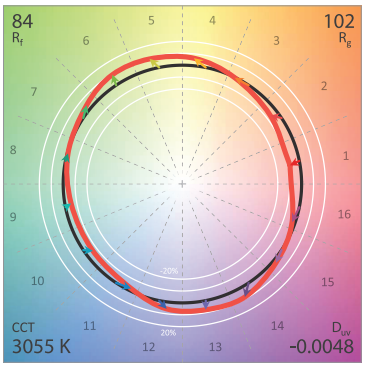
MO1-636-PAR30

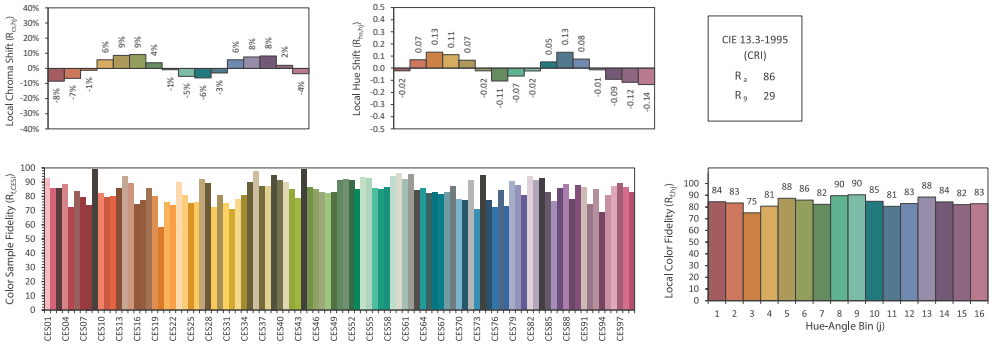
Multiple Oval 1-Light Slot

TM-30-18 Color Metrics

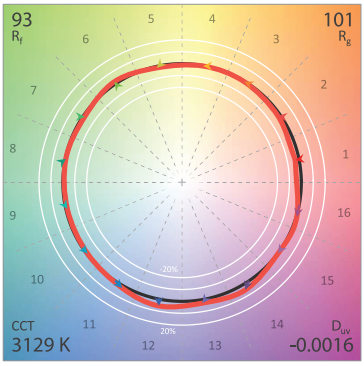
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Catalog Number:		Date:	

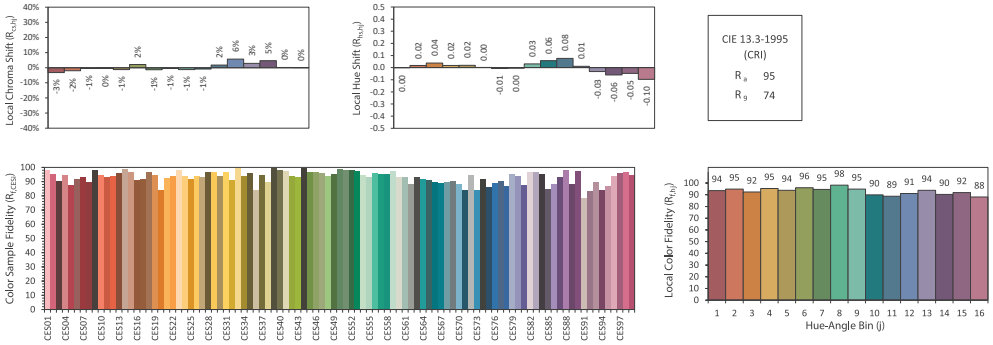
Clarté Lighting 3000K 80+ CRI Color Metrics



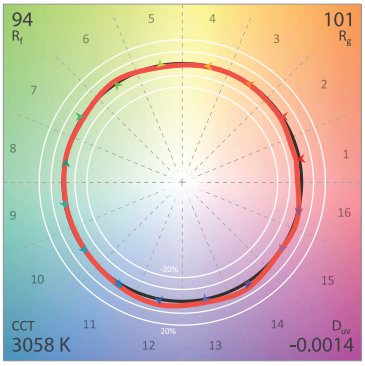


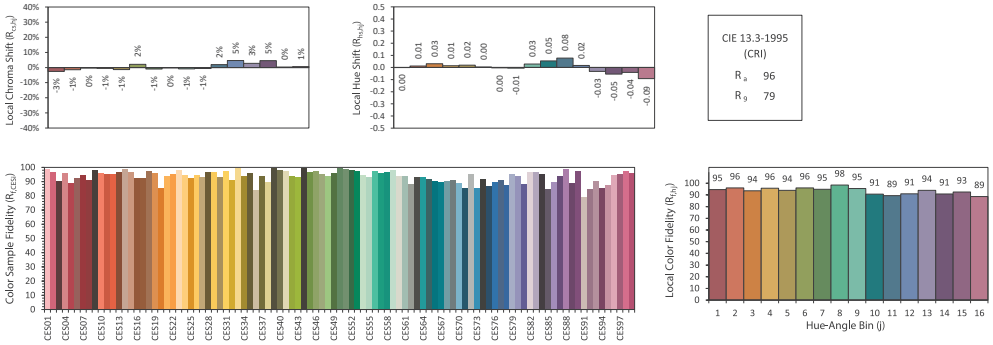
Clarté Lighting 3000K 90+ CRI Color Metrics



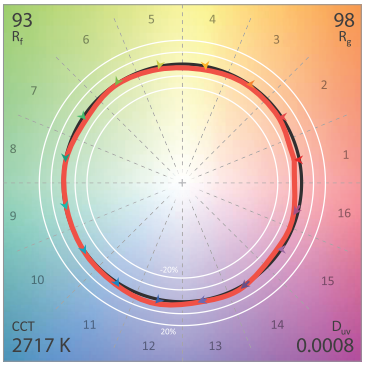


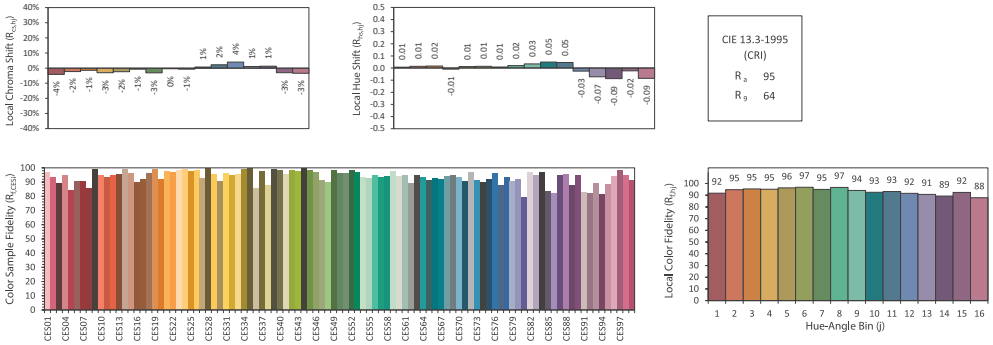
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics





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





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