Clarté Lighting

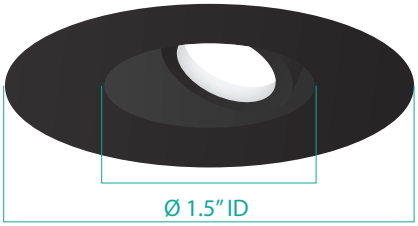
RR1-189-PAR8

Adjustable or Fixed Round Lipstick

Features

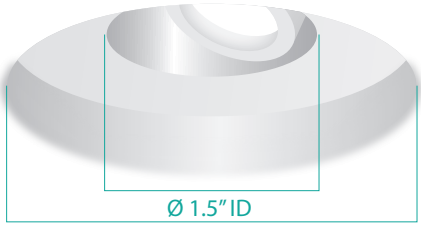
Project Name:		Type:	
Catalog Number:		Date:	

Recessed with Trim



Ø 1.5″ ID
Ø 2.91″ OD

Trimless ½" Recessed



Ø 1.5″ ID
Ø 2.91″ OD

Trimless Plaster



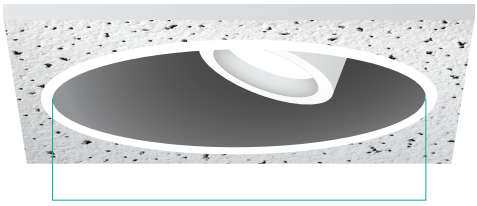
Ø 2.6″ ID
Ø 2.85″ OD

Trimless Wood



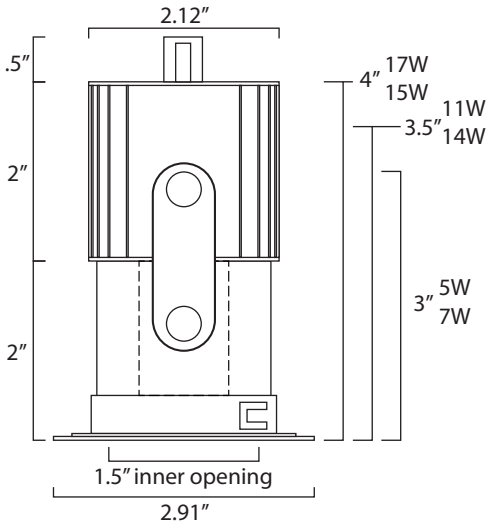
Ø 2.6″ ID
Ø 2.85″ OD

Trimless Acoustic Tile



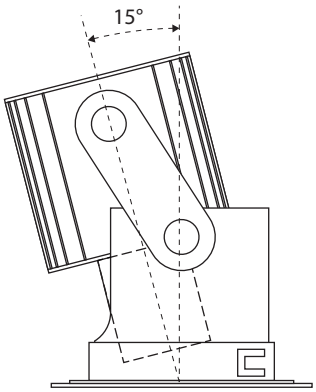
Ø 2.6″ ID
Ø 2.85″ OD

Fixed or Shower Trim



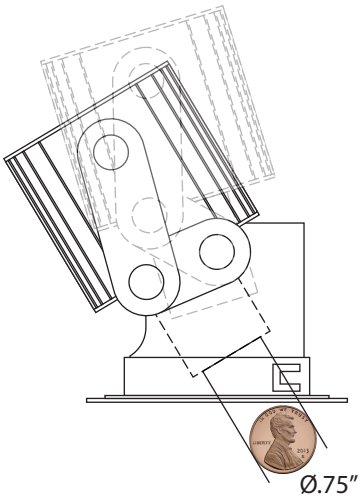
Fixed Wall Wash

Same Dimensions as Fixed



Adjustable

Same Dimensions as Fixed



Adjustable up to 45˚

Key Features

- 1.5” ID - 2.91” OD
- Adjustable up to 50°
- Adjustable Recessed or Semi-Recessed
- Fixed ½" Recessed Trimless
- 365° Rotation
- IC or NON IC version
- Remote Transformer Optoin
- .02” Uber Thin Trim Lip
- Over 6,500 fixture custom color finish options
- 100,0000+ 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
Other Patents Pending

Last revised: 11/16/2026

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RR1-189-PAR8

Adjustable or Fixed Round Lipstick

Ordering

Project Name:		Type:	
Catalog Number:		Date:	

	(a) Driver	(b) Wattage	(c) LED		(d) Beam	(e) Snoot	(f) Reflector	(g) Mounting	(h) Housing	(i) Trim	(j) Accessories	(k) Options	(l) Chromaticity
RR1-189-				-PAR8-									

Recessed Round 1"ID Trim - 1"OD Housing

(a) Driver Options

D	=	0.1% MLV 12V AC Dimming (2 wire)
E	=	ON/OFF (Electronic)
ED	=	1% Electronic Reverse Phase Dimming (2 wire)
12V AC	=	0.1% PWM AC Remote Magnetic Dimming (2 wire)
24V DC	=	0.1% PWM DC Remote Magnetic Dimming (2 wire)
0-10V*	=	Remote Mount 0-10V driver for single fixture (4 wire)
0-10V 2	=	Remote Mount 0-10V driver for up to 2 fixtures (4 wire)
0-10V 3	=	Remote Mount 0-10V driver for up to 3 fixtures (4 wire)
0-10V 4**	=	Remote Mount 0-10V driver for up to 4 fixtures (4 wire)
DALI2	=	0.1% Digital Addressable Lighting Interface V2
DALI2-4***	=	0.1% Digital Addressable Lighting Interface V2 (4 fixture)
RDM DMX	=	0.001% 16 Bit, 4-Channel Dimming (2 wire with CAT5)
ABS	=	0.001% Absolute Light Dimming (use with RGBW)
ABSX	=	0.001% DMX Absolute Light Dimming (use with RGBW)

*Remote 0-10V LED driver operates single fixture 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 with remote LED driver

(b) Wattage Options

9W (800 Lumens) 550ma	=	ON/OFF, 0-10V 1%, RDM DMX, ED
11W (800 Lumens) 550ma	=	MLV <1% Dimming
11W (900 Lumens) 700ma	=	ON/OFF, 0-10V 1%, RDM DMX, ED
12W (776 Source Lumens*) 700ma	=	RDM DMX RGBW

*LED Lumens with all RGBW colors at 100%
Red 160, Green 310, Blue 46, White 260

(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) Reflector/Trim Lip Color Options

WHT/WHT	=	White Relfector/White Trim Lip
WHT/BLK	=	White Relfector/Black Trim Lip
BLK/BLK	=	Black Relfector/Black Trim Lip
BLK/WHT	=	Black Relfector/White Trim Lip
PWT/PWT	=	Pewter Reflector/Pewter Trim Lip
PWT/WHT	=	Pewter Reflector/White Trim Lip
PWT/WHT	=	Pewter Reflector/Black Trim Lip

(g) Mounting Options

ADJ	=	Adjustable	FX	= Fixed
ST	=	Shower Trim	FWW	= Fixed Wall Wash
WOS	=	Wires Out the Side (reduces height by 0.5")		

(h) Fixture Housing Options

Non-IC Rated:

RMT	=	No housing, no frame, remote transformer spring clip loaded trim
NIC	=	Frame and juction box to be used with trim version

IC Rated:

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

(i) Trim Type

T	=	Trimmed	T1	=	Level Plane
T2	=	Trimless ½" Recessed	T3	=	Trimless
T4	=	Trimless Acoustical Ceiling	TLW	=	Trimless Wood
MT	=	Micro Trim (½" smaller OD)			

(j) 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 elimniates all surface brightness. Creates stronger vertical cut off with -20% beam width.
H	=	Halogen - 100K warmer. 2700k to 2500K
DH	=	Dimmed Halogen - 400K warmer. 2700k to 2300K

*Units should not be run for more than 12hrs when using LV accessory.

(k) Options

RMT7	=	7Watt 12V AC MLV Step Down Transformer
RMT14	=	14Watt 12V AC MLV Step Down Transformer
RMT17	=	17Watt 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
RET*	=	Bi-pin whip to plug Clarté LED trim module into existing MLV transformed recessed halogen MR16 fixtures.
0.4"	=	0.4" Optical Reducer Sleeve
80+	=	CRI over 80
90+	=	CRI over 90
EXT	=	Exterior zinc primer with zinc infused paint
AWN	=	Athena Wireless Node (use with DALIV2)
AWNP	=	Athena Wireless Node Photocell (use with DALIV2)

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

(l) Color Temperature Options

White LED

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)

Colored/Themed LED

RGBW3K*	=	Red, Green, Blue, White
RGBW4K*	=	Red, Green, Blue, White

*Must utilize DMX fixture option

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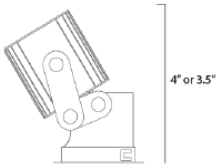
RR1-189-PAR8

Adjustable or Fixed Round Lipstick

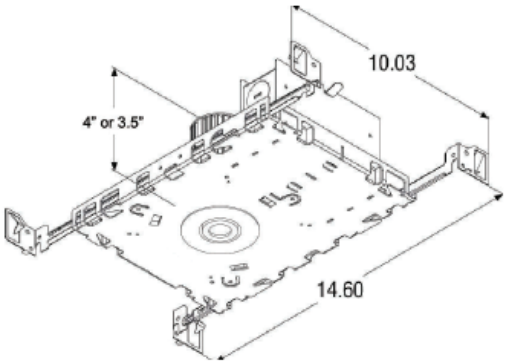
Specifications

Project Name:		Type:	
Catalog Number:		Date:	

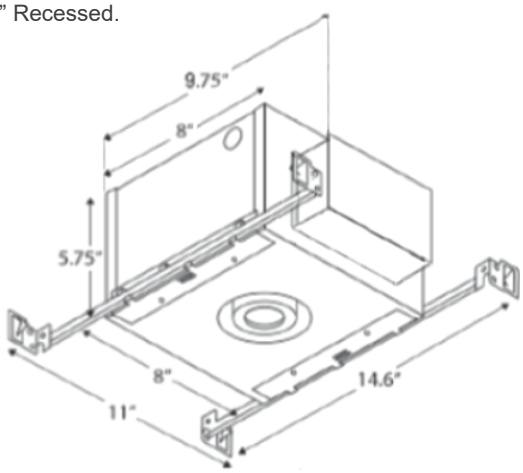
Non-IC: No Housing Remote Transformer Remodel - Trimmed



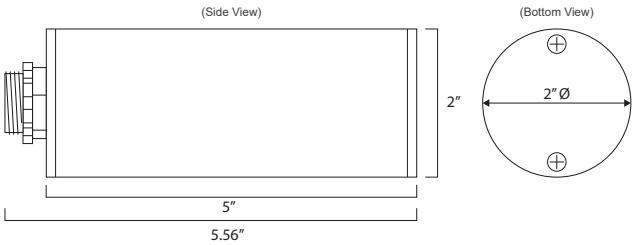
Non-IC: No Housing Framed Fixture with J-Box - Trimmed



IC: Architectural Housing - Trimless, Level Plane or 1/2" Recessed.



Remote MLV Driver Dimensions



Optical Reducer Sleeve



Housing
- 100% aluminum construction
- IC housing with hinged 4" x 6" side access panel to j-box & LED driver

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

LED
- 3,000 maximum milliamp rated CREE LED
- Operates between 450 to 1200 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
- 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

Trim
- .02" thin trim lip
- Hydro form reflector - no spin marks

Trim Finish
- Specular Aluminum Anodized
- Matt Aluminum Anodized
- White, Black or Pewter Powder Coat Paint
- 3300+ Custom Power Coat Paint Colors
- 7000+ Custom Wet Paint Colors

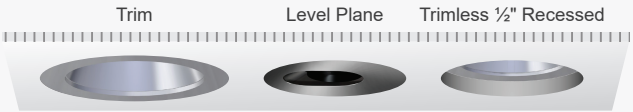
Level Plane and Trimless Installation
- Available in ½" recessed trimless and level plane

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

Certification
- UL Damp Listed – IP 52 – Open trim
- UL Wet Listed – IP 65 – Lensed trim

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

3 Trim Installation Options



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RR1-189-PAR8

Adjustable or Fixed Round Lipstick

Photometrics

Project Name:		Type:	
Catalog Number:		Date:	

Wattage & Lumen Output

300 Milliamps - 500 Lumens

5W	ON/OFF 0-10V 1% Dimming ED
7W	MLV <1% Dimming

525 Milliamps - 900 Lumens

11W	ON/OFF 0-10V 1% Dimming ED
14W	MLV <1% Dimming

700 Milliamps

10W	Red - Up to 150 Lumens Green - Up to 150 Lumens Blue - Up to 150 Lumens White - Up to 300 Lumens

700 Milliamps - 1150 Lumens

15W	ON/OFF 0-10V 1% Dimming ED
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

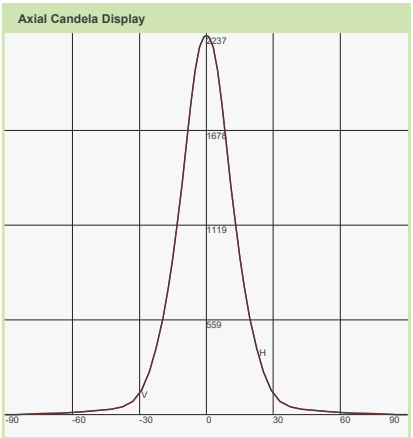
Zonal Flux and Percentages

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

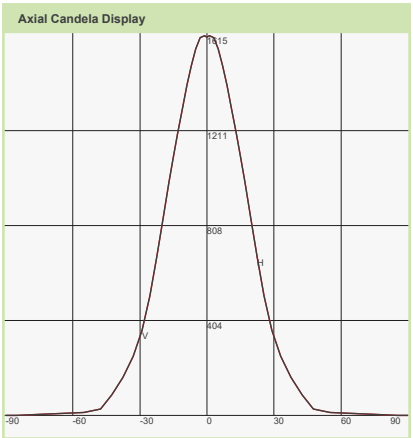
Zone	%Luminaire
0-20	47.3
0-30	74.3
0-40	88.5
0-60	97.5
0-80	99.5
0-90	100
10-90	87.1
20-40	41.2
20-50	48.7
40-70	10.1
60-80	2
70-80	0.9
80-90	0.5

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 =-1, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

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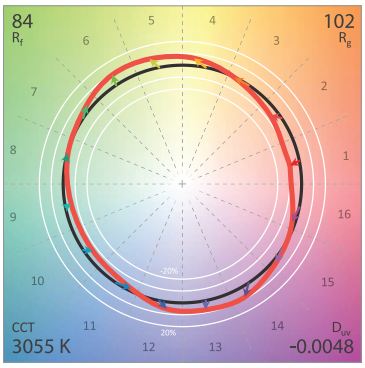
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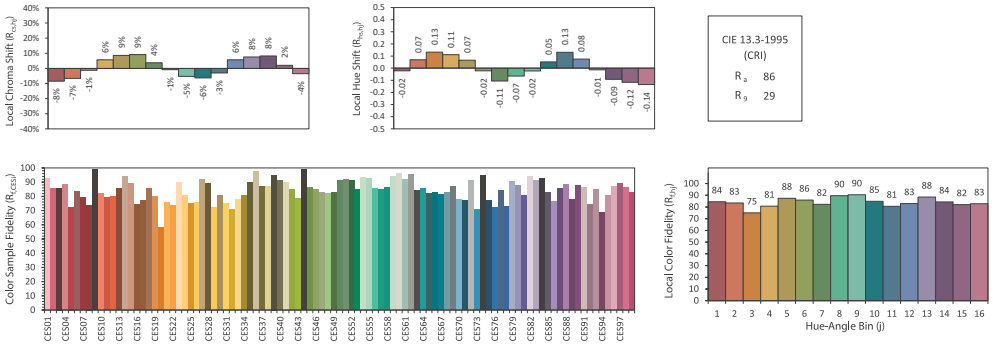
Adjustable or Fixed Round Lipstick

TM-30-18 Color Metrics

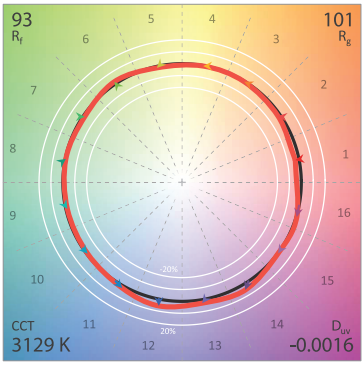
Project Name:		Type:	
Catalog Number:		Date:	

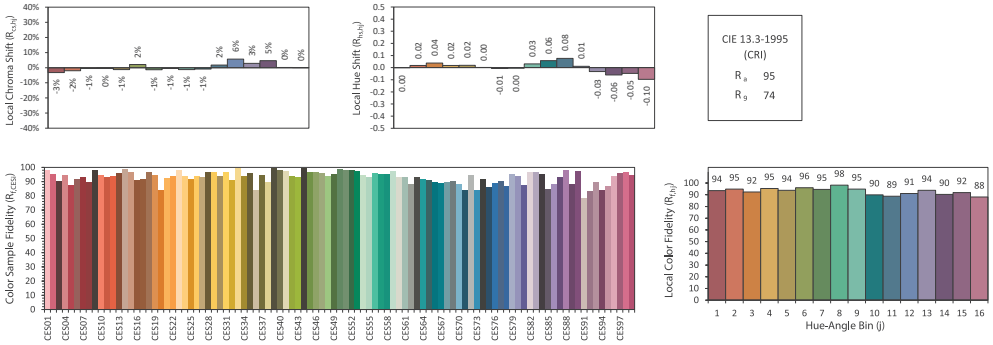
Clarté Lighting 3000K 80+ CRI Color Metrics



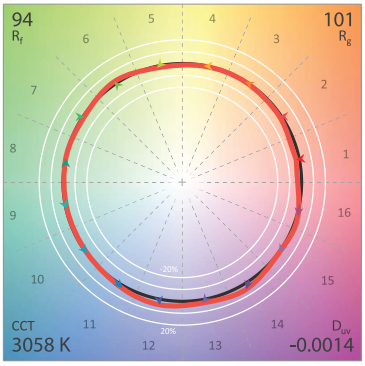


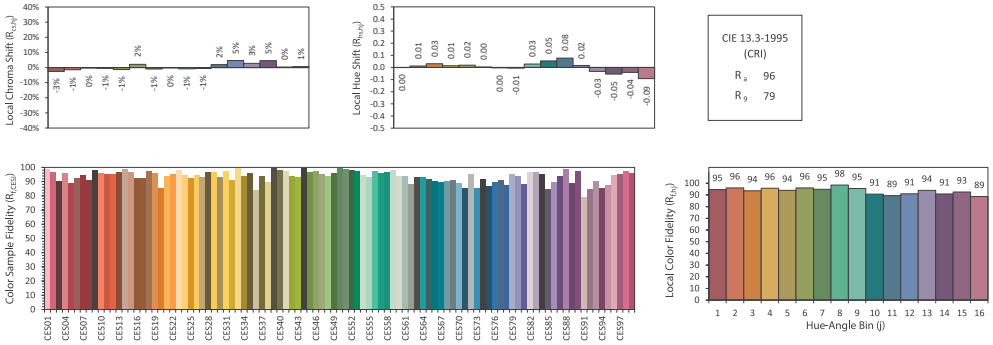
Clarté Lighting 3000K 90+ CRI Color Metrics



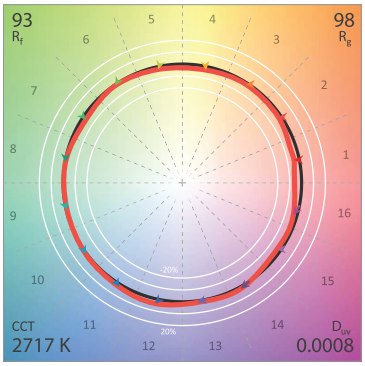


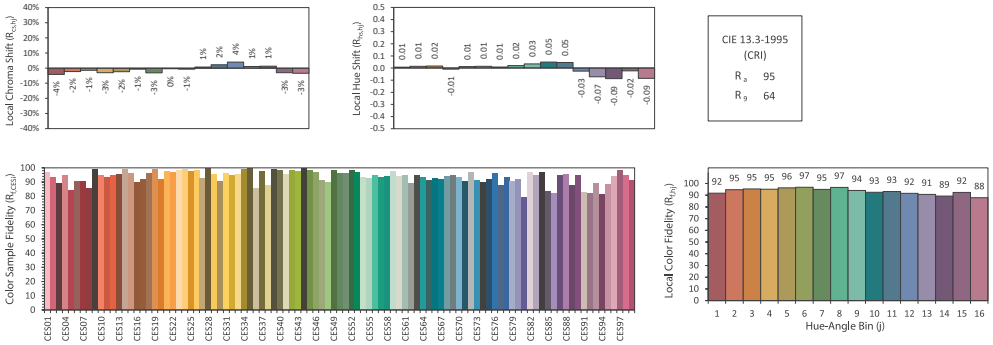
Clarté Lighting 3000K 90+ CRI Halogen Lens (H) Color Metrics





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





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