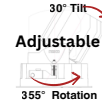


# XDL E6

Adaptive Directional | Wall Wash | Fixed to 30° Tilt

6in  
150mm

## PRODUCT SPECIFICATION



### Product Features

- Industry leading 5 year warranty<sup>1</sup>
- Utilizes latest Xicato Gen 2 XOB LED light source with best in class color consistency (1 X 2 SDCM)
- Superior light quality with leading CRI/R9 of up to 95/90
- World class driver electronics delivering true flicker-free dimming performance
- Cutting edge dimming performance down to 0.1%<sup>2</sup> with 0-10V, DALI-2 and Xmesh wireless control
- Adaptive 2-in-1 fixture design transforms a fixed downlight to adjustable with a simple adjustment
- Complimentary Wall Wash option delivers the desired lighting accent designers seek
- Classic square or round shape with options of trimmed and trimless to compliment any design
- Flexible lighting design options with variety of light levels, beam angles, and color temperature
- Choose from various install types including retrofit, new construction, and insulated ceilings
- Xicato's Xmesh wireless connectivity enables remote control and monitor from app/dashboard
- Utilize Xicato's smart building ecosystem by adding sensors, switches and asset tags
- Double as emergency lighting with optional battery back-up

\*See Xicato 5 Year Limited Warranty

Housings can be shipped separately from base downlight. EM includes remote test switch

<sup>3</sup>36W only for Wall Wash and only available in Matte Silver and White finish

### Ordering Logic

Model	Trim/Shape/Type	Output/CRI/CCT	Optics/Reflector	Housing Size/Install Type/Shape	Driver	Output/Wireless	Emergency		
<b>EXAMPLE: E6-WRA-L29030-30DW-E6HBR-X10L2</b> (XDL 6" White Round Adaptive Downlight, 2300Lm, 90CRI, 3000K, 30 Degree White Reflector, Retrofit Driver Box, XAD 0-10V, For L2)									
Model	Trim	Shape	Function	Output Level	CRI	CCT	Optics	Reflector	
E6	XDL 6"	W White	R Round	A Adaptive (0° to 30°)	L2 2230 lm	90 90	27 2700K	20D 20 Degree	W Matte White
		B Black	S Square	W Wall Wash	L3 3100 lm	95 95	30 3000K	30D 30 Degree	B Matte Black
E6W	XDL 6" Wet Rated	T Trimless			L4 3850 lm		35 3500K	40D 40 Degree	S Matte Silver
							40 4000K	60D 60 Degree	CB Chrome Black
								36W <sup>3</sup> Wall Wash	CS Chrome Silver
Housing Size <sup>4</sup>	Install Type	Cutout Shape	Driver	Output Level <sup>5</sup>	Emergency Backup <sup>6</sup>				
E6H	XDL 6" Housing	B Retrofit Driver Box	R Round	X10 0-10V Dim to 1%	L2 L2 Output	Blank No Emergency			
		F New Construct Frame	S Square	XD2 DALI-2 Dim to 0.1%	L3 L3 Output	E5 Emergency 90min @ 5W			
		I Insulated Ceiling Box	Blank Retrofit or No Housing	X10X 0-10V with Xmesh Dim to 0.1%	L4 L4 Output	E9 Emergency 90min @ 9W			
D6H	No Housing	A Air Tight IC Box		XD2X DALI-2 with Xmesh Dim to 0.1%		E15 Emergency 90min @ 15W			
		C Chicago Plenum							
	Blank No Housing								

1. See Xicato 5 Year Limited Warranty

2. Dimming down to 0.1% with Dali-2 and Xmesh; down to 1% with 0-10V

3. 36W only for Wall Wash and only available in Matte Silver or White finish

4. Housings can ship separately from the base downlight

5. Must match with Output Level of the base downlight

6. All Emergency Backup options are CA Title 20 Compliant and includes remote test switch

## Technical Specifications

Lighting	
LED	Xicato Gen 2 XOB S
CCT	2700K, 3000K, 3500K, 4000K
Delivered Lumens	See Table
CRI/R9	CRI 90: ≥90/50, CRI 95: ≥95/90
Color Consistency	1x2 SDCM Color Consistency
LED Rated Life (L70)	>50,000Hrs
Optical	
Beam Angle	20°, 30°, 40°, 60°
Lens Material	Polycarbonate
UGR	TBD
Electrical	
Input Voltage	120-277V
Frequency	50/60Hz
Dimmable	Yes, 0-10V to 1%; DALI-2, Xmesh Wireless to 0.1%
Power Consumption	See Table
Efficacy	See Table
Mechanical	
Base/Housing	Integrated Aluminum Heatsink / 16-Gauge Rolled Steel
Trim Finish	Matte White, Matte Black
Reflector Finish	White, Black, Silver, Chrome Black, Chrome Silver
Shape	Round, Square
Dimensions (H x Ø Dia)	7.48 x 6.33in (190 x 160mm)
Net Weight	4.13lb (1.875kg)
Max Ambient Temp	35° C (95° F)
Application Type	Adaptive (Adjust from Fixed at 0° to 30° Tilt), Wall Wash
Installation	Retrofit, New Construction, Insulated Ceiling
Certification and Warranty	
Certification	ETL, UL2108, FCC, CE, UKCA, CA Title 24 JA8,RoHS
Environmental Rating	Damp Location Rated with Optional Wet Location Rating
Warranty	5 years Limited

Performance and Efficacy			
Model	Output (lm)	Power (W)	Efficacy (lm/W)
L2	2230	21	106
L3	3100	29	107
L4	3850	39	99

All data based on 3000K CRI 90 30° Optics as baseline

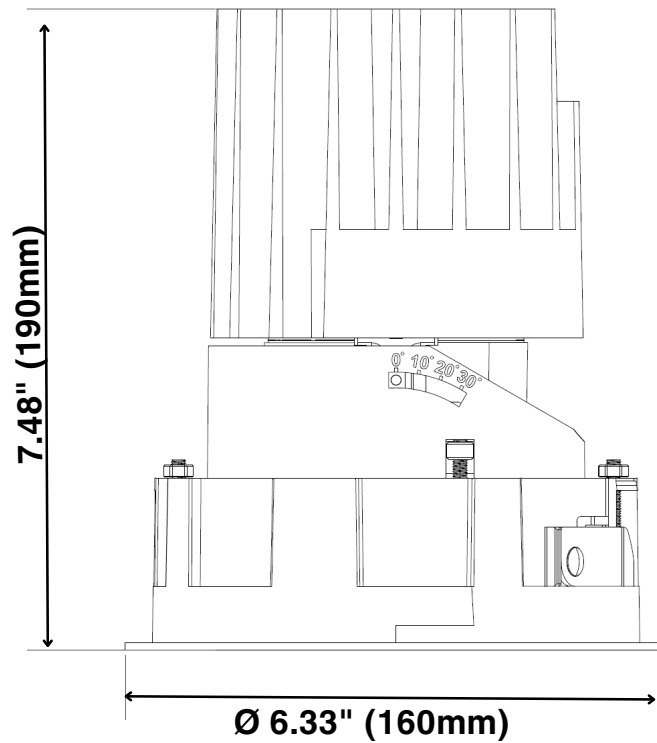
Lumen Conversion*		
CCT	CRI	Ratio
3000K	90	1
2700K	90	0.95
3500K	90	1.02
4000K	90	1.03
2700K	95	0.84
3000K	95	0.89
3500K	95	0.91
4000K	95	0.92
Beam Angle		Ratio
20°		0.93
30°		1
40°		0.99
60°		0.95
Type		Ratio
Adaptive (0° to 30° Tilt)		1
Wall Wash		0.58

\*All conversion based on 3000K CRI 90 30° Optics as baseline

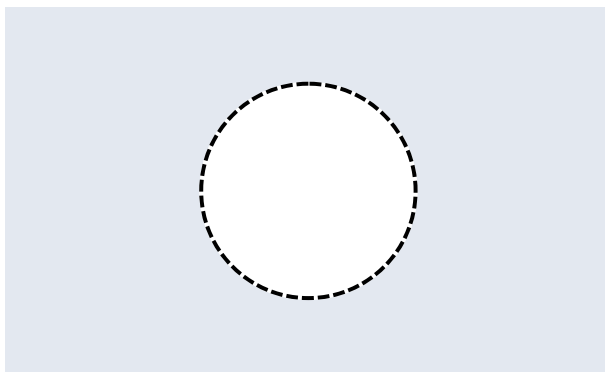
Emergency Battery Back-Up				
		Est. Output Level		
Battery Option		L2	L3	L4
E5	90min @ 5W	~29%	~21%	x
E9	90min @ 9W	~53%	~38%	~29%
E15	90min @ 15W	~88%	~63%	~49%

All data shown is nominal. Specifications and data are subject to change without notice.

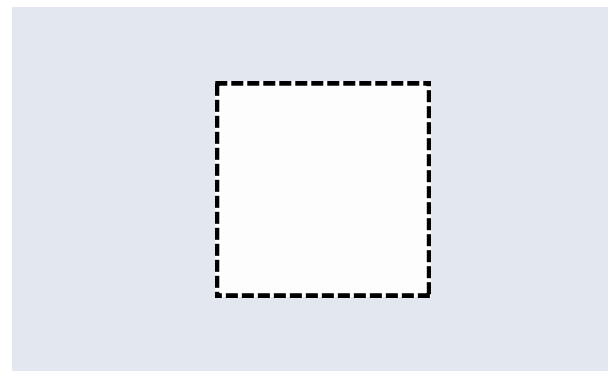
## Dimensional Drawings



## Ceiling Cutout Dimension



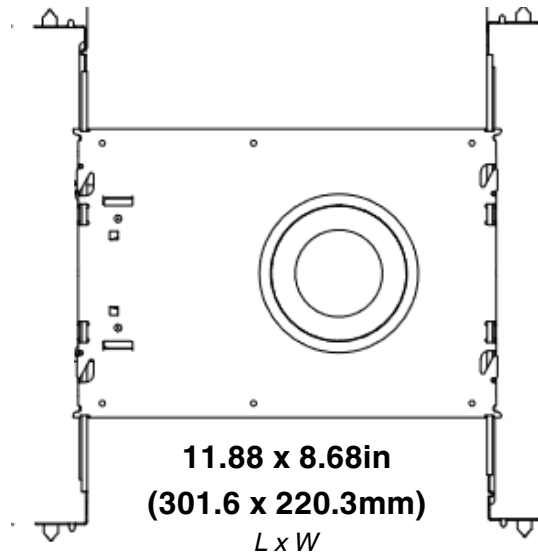
**Round**  
Ø 5.91" (150mm)



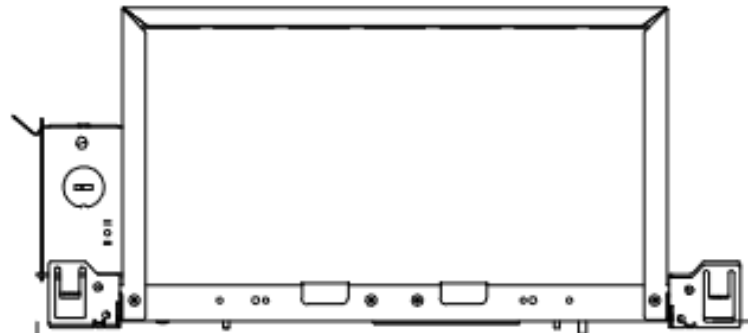
**Square**  
5.91" x 5.91" (150 x 150mm)

## Other Dimensions

### New Construction Frame

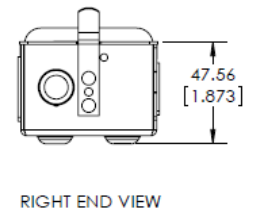
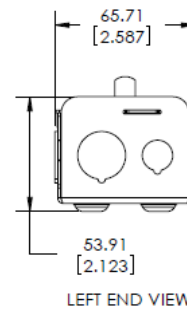
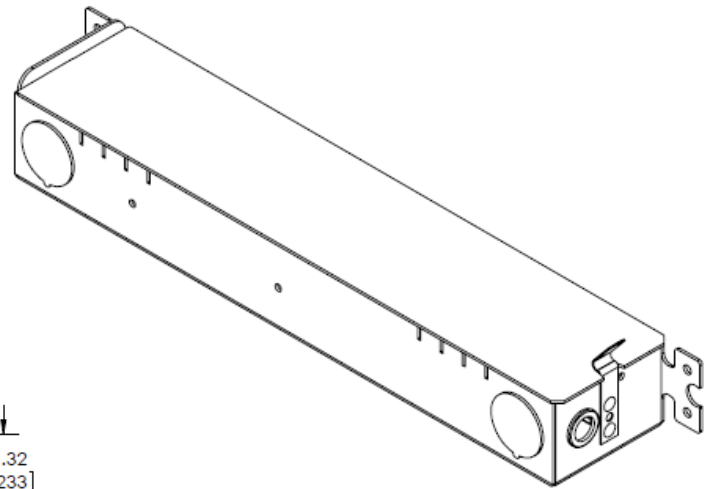
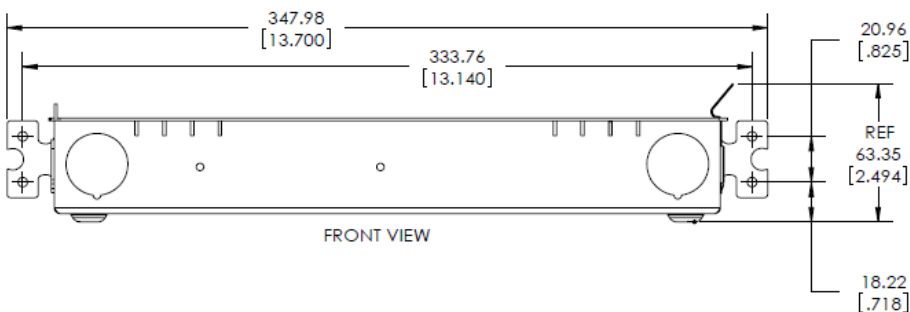
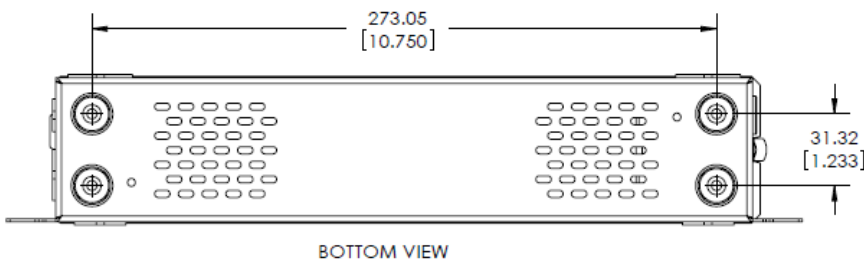
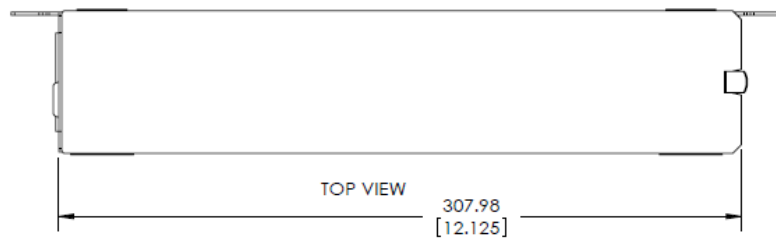


### IC / ICAT / Chicago Plenum

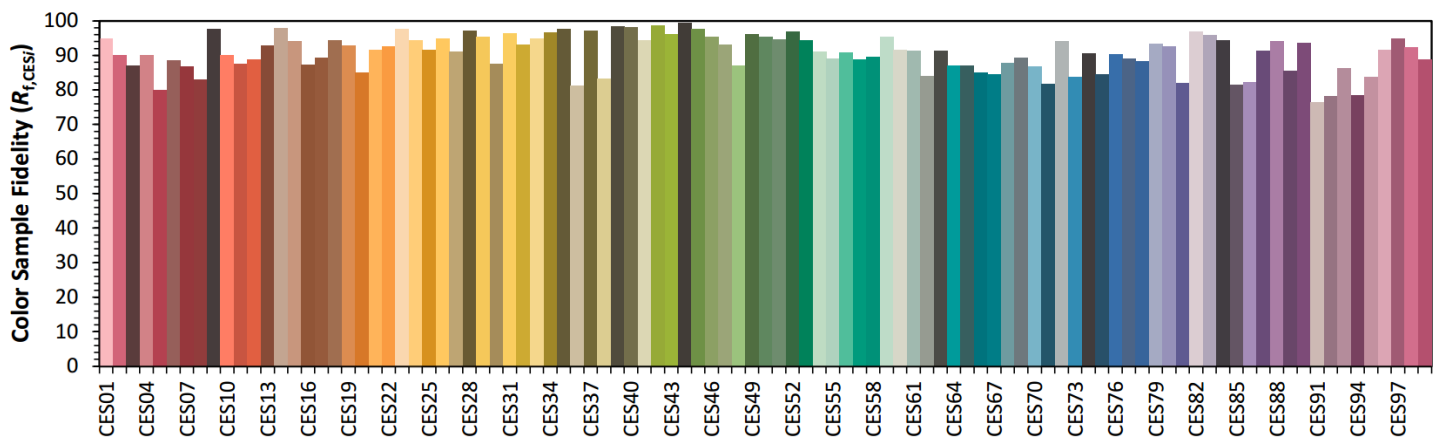
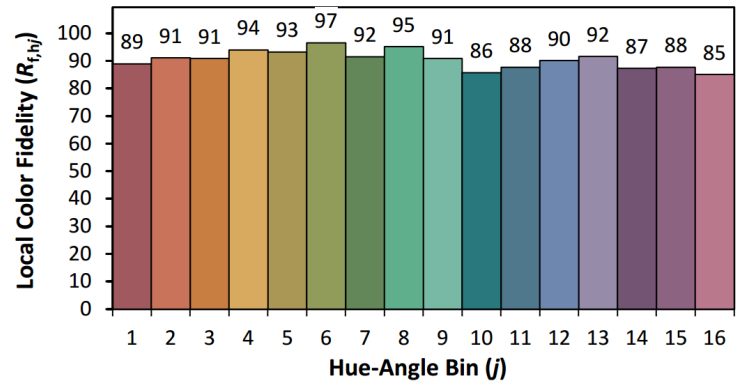
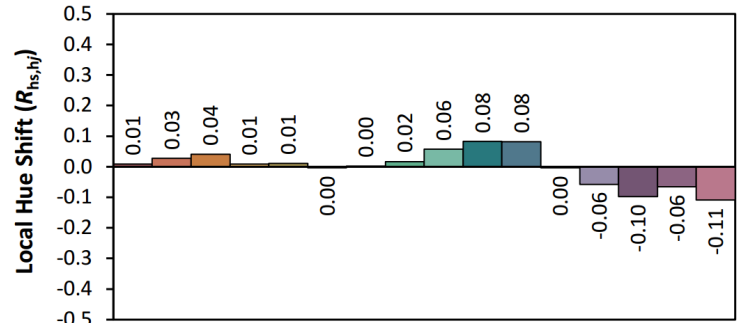
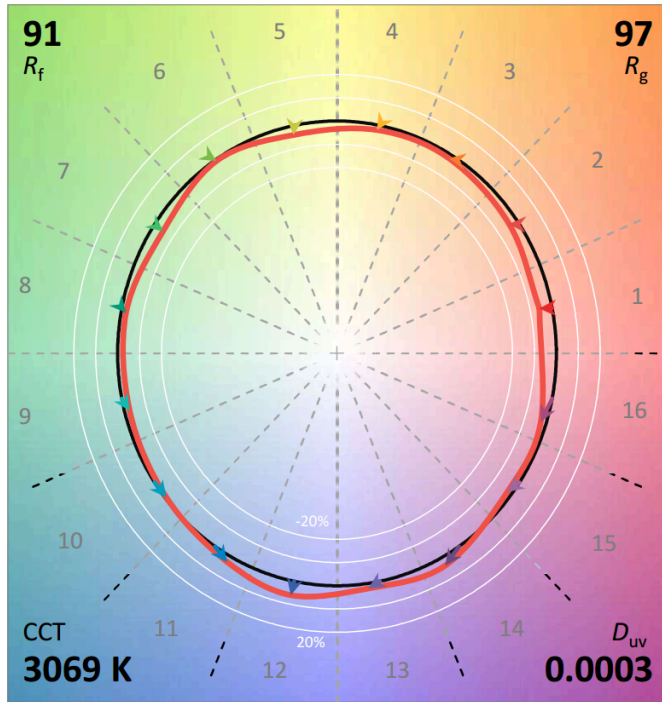
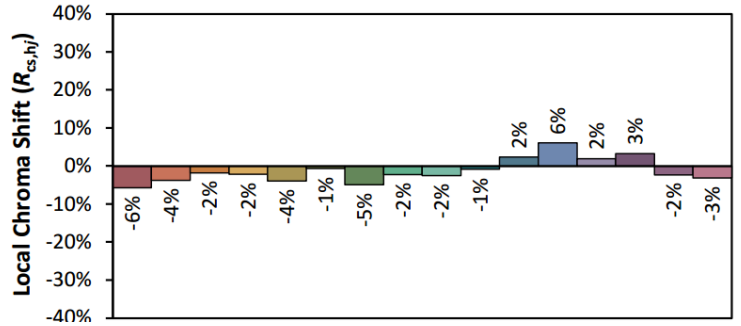
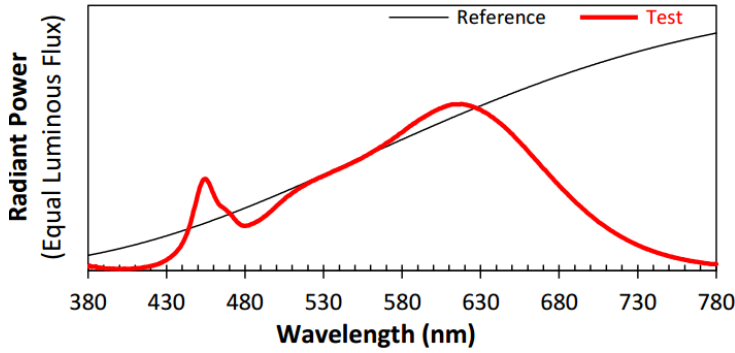


**14.88 x 12.0 x 8.50in**  
**(377.8 x 304.8 x 215.9mm)**  
*L x W x H*

### Retrofit Driver Box



## Color Specification: TM-30 for Xicato XOB Gen 2 3000K CRI 90

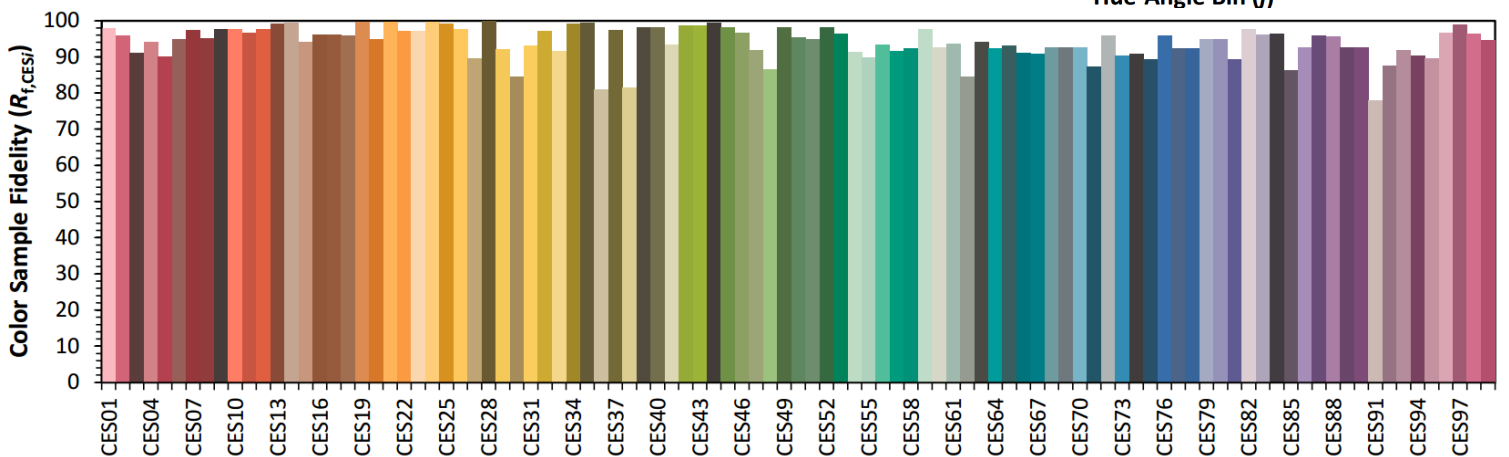
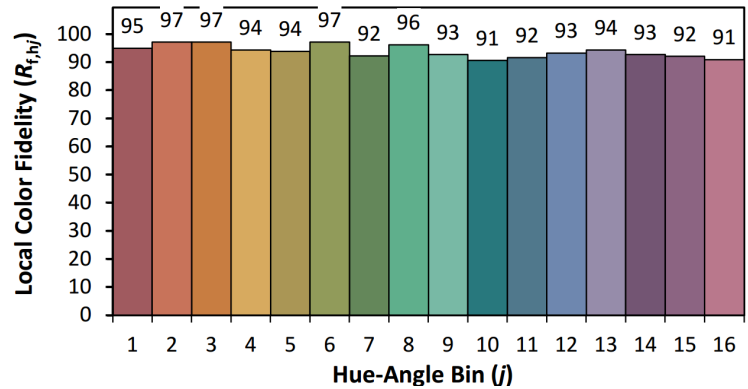
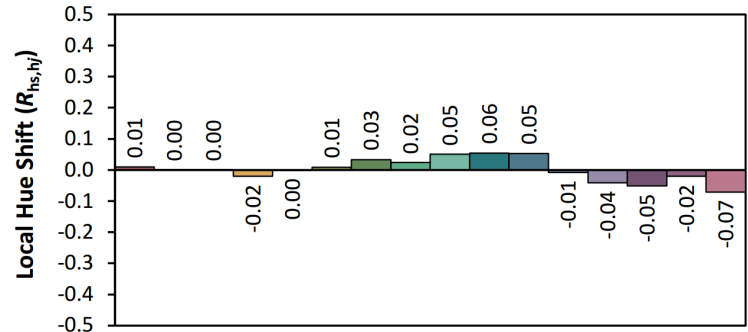
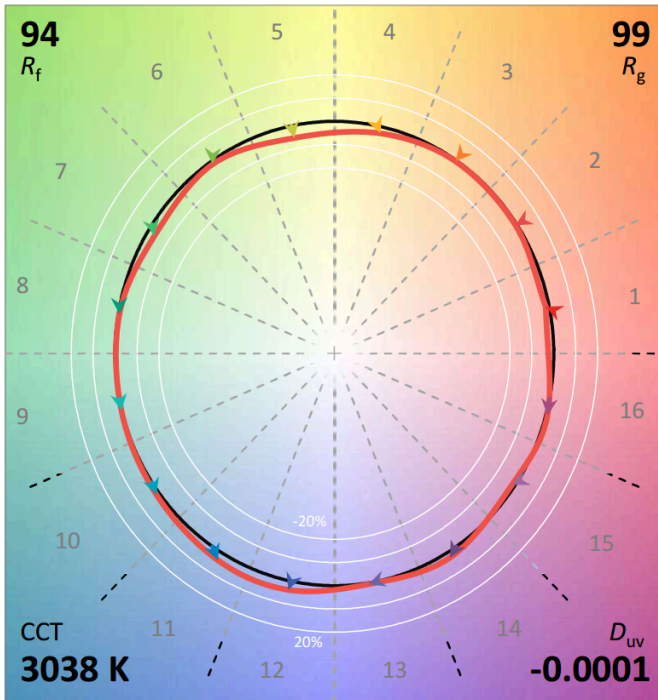
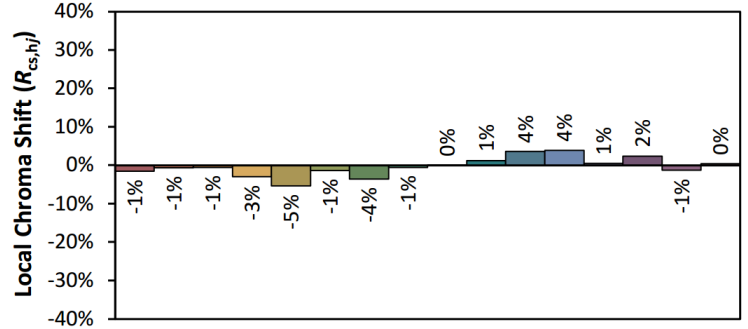
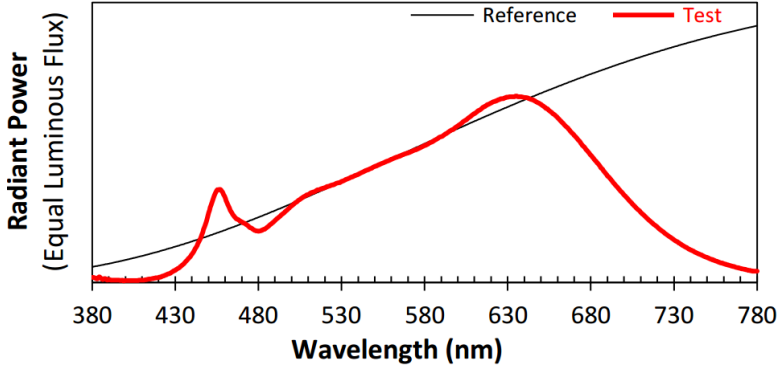


**Notes:** This is a recommended method for displaying IES TM-30-18 information.

$x$  **0.4325**  
 $y$  **0.4032**  
 $u'$  **0.2481**  
 $v'$  **0.5204**

CIE 13.3-1995  
 (CRI)  
 $R_a$  92  
 $R_g$  54

## Color Specification: TM-30 for Xicato XOB Gen 2 3000K CRI 95



**Notes:** This is a recommended method for displaying IES TM-30-18 information.

$x$  0.4341  
 $y$  0.4028  
 $u'$  0.2493  
 $v'$  0.5205

CIE 13.3-1995  
 (CRI)  
 $R_a$  98  
 $R_g$  89

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator v2.0.