

# XDL E4

Adaptive Directional | Wall Wash | Fixed to 30° Tilt

**4in**  
**100mm**

## 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

### Ordering Logic

Model	Trim/Shape/Type	Output/CRI/CCT	Optics/Reflector	Housing Size/Install Type/Shape	Driver	Output/Wireless	Emergency	
<b>EXAMPLE: E4-WRA-L29030-30DW-E4HBR-X10-L2 (XDL 4" White Round Adaptive Downlight, 1400Lm, 90CRI, 3000K, 30 Degree White Reflector, Retrofit Driver Box, XAD 0-10V, For L2)</b>								
Model	Trim	Shape	Function	Output Level	CRI	CCT	Optics	Reflector
E4	XDL 4"	W White B Black	R Round S Square A Adaptive (0° to 30°) W Wall Wash	L1 1000 lm L2 1400 lm L3 1930 lm L4 2470 lm	90 90 95 95	27 2700K 30 3000K 35 3500K 40 4000K	20D <sup>3</sup> 20 Degree 30D 30 Degree 40D 40 Degree 50D 50 Degree 60D <sup>3</sup> 60 Degree 36W <sup>4</sup> Wall Wash	W Matte White B Matte Black S Matte Silver CB Chrome Black CS Chrome Silver
E4W	XDL 4" Wet Rated	T Trimless						
Housing Size <sup>5</sup>	Install Type	Cutout Shape	Driver	Output Level <sup>6</sup>	Emergency Backup <sup>7</sup>			
E4H	XDL 4" Housing	B Retrofit Driver Box F New Construct Frame I Insulated Ceiling Box	X10 0-10V Dim to 1% XD2 DALI-2 Dim to 0.1% X10X 0-10V with Xmesh Dim to 0.1% XD2X DALI-2 with Xmesh Dim to 0.1%	L1 L1 Output L2 L2 Output L3 L3 Output L4 L4 Output	Blank No Emergency E5 Emergency 90min @ 5W E9 Emergency 90min @ 9W E15 Emergency 90min @ 15W			
D4H	No Housing	A Air Tight IC Box C Chicago Plenum Blank No Housing	Blank Retrofit or 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. 20D only available in L1/L2/L3; 60D only available in L4  
 4. 36W only for Wall Wash; Wall Wash only available in L1/L2 and in Matte Silver or White finishes  
 5. Housings can ship separately from the base downlight  
 6. Must match with Output Level of the base downlight  
 7. 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
LED Color Consistency	1x2 SDCM Color Consistency
LED Rated Life (L70)	>50,000Hrs
Optical	
Beam Angle	20°, 30°, 40°, 50°, 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, Trimless
Reflector Finish	White, Black, Silver, Chrome Black, Chrome Silver
Shape	Round, Square
Dimensions (H x Ø Dia)	Standard L1/L2: 5.12 x 4.33in (130 x 110mm) Tall L3/L4: 6.18 x 4.33in (157 x 110mm)
Net Weight	Standard L1/L2: 1.81lb (820g); Tall L3/L4: 2.14lb (970g)
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

\*20° only available in L1/L2/L3 Output; 60° only available in L4 Output

Performance and Efficacy*			
Model	Output (lm)	Power (W)	Efficacy (lm/W)
L1	1000	11	91
L2	1400	15	93
L3	1930	21	92
L4	2470	29	85

\*All data based on 3000K CRI 90 as baseline

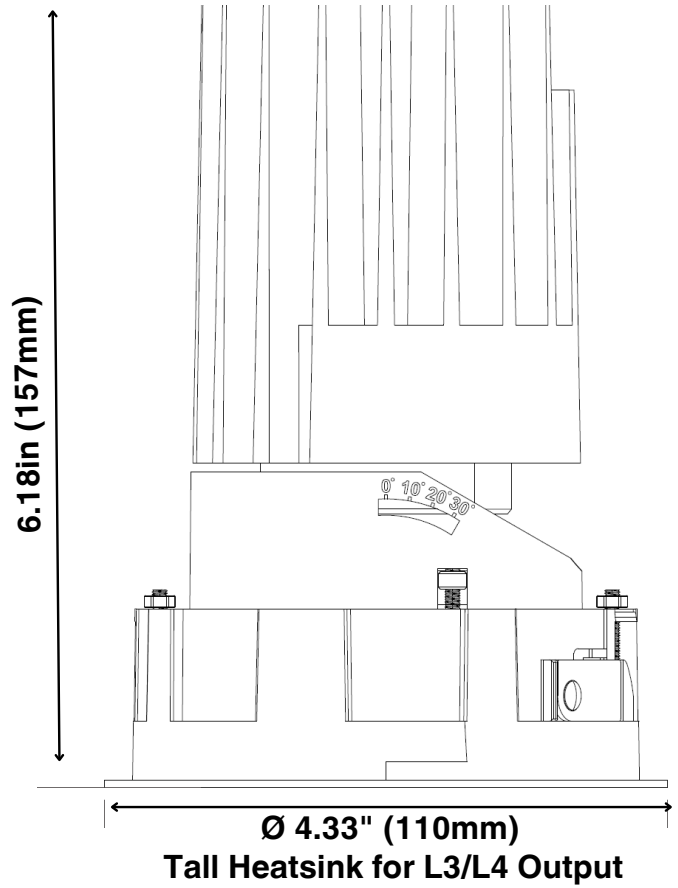
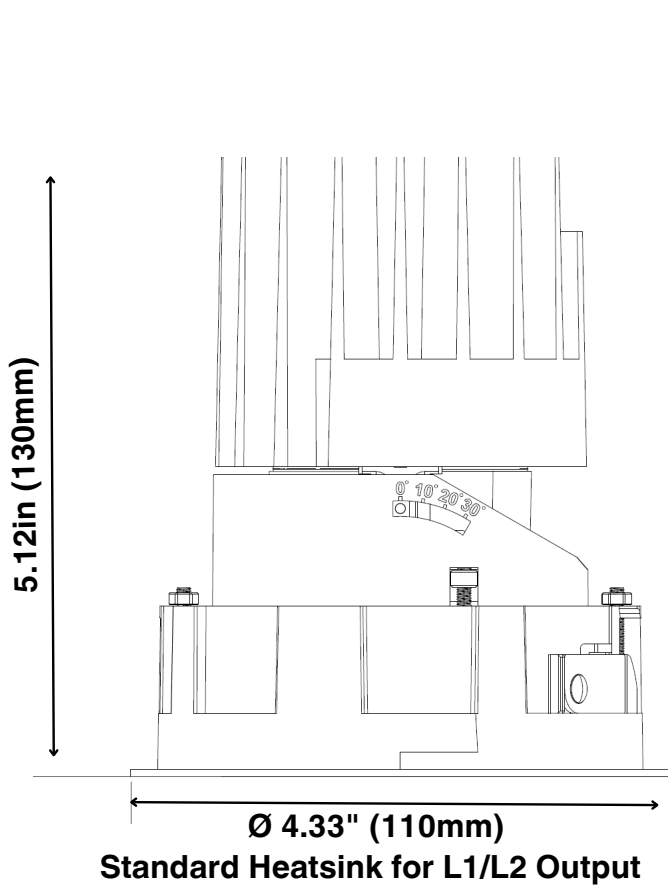
Lumen Conversion**		
CCT	CRI	Ratio
3000K	90	1
2700K	90	0.95
3500K	90	1.02
4000K	90	1.03
2700K	95	0.84
3000K	95	0.89
3500K	95	0.91
4000K	95	0.92
Output	Beam Angle	Ratio
L1/L2/L3	20°	0.9
L1/L2/L3	30°	1
L1/L2/L3	40°	0.99
L1/L2/L3	50°	0.95
L4	30°	0.87
L4	40°	0.98
L4	50°	1
L4	60°	0.97
Type	Ratio	
Adaptive (0° to 30° Tilt)	1	
Wall Wash	0.3	

\*\*Base for conversion: L1/L2/L3 based on 30°, L4 based on 50°

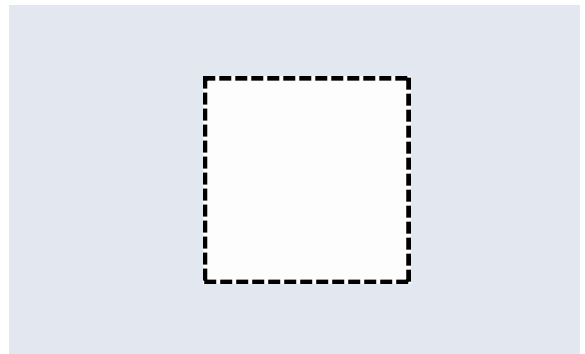
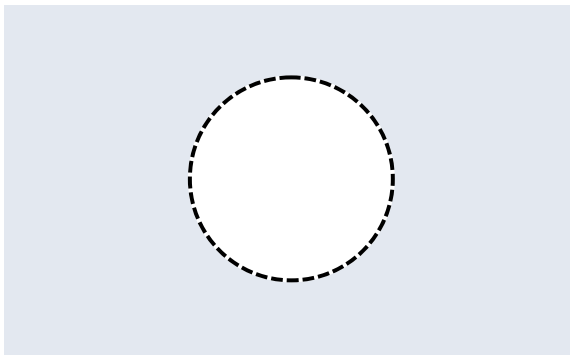
Emergency Battery Back-Up					
		Est. Output Level			
Battery Option		L1	L2	L3	L4
E5	90min @ 5W	~59%	~42%	~29%	x
E9	90min @ 9W	x	~76%	~53%	~38%
E15	90min @ 15W	x	x	~88%	~63%

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

## Dimensional Drawings

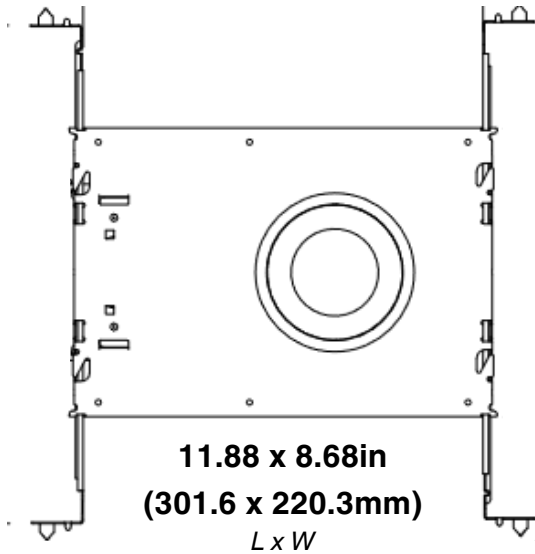


## Ceiling Cutout Dimension

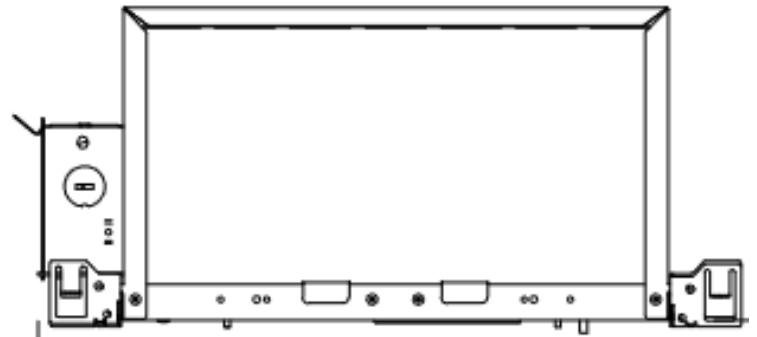


## Other Dimensions

### New Construction Frame

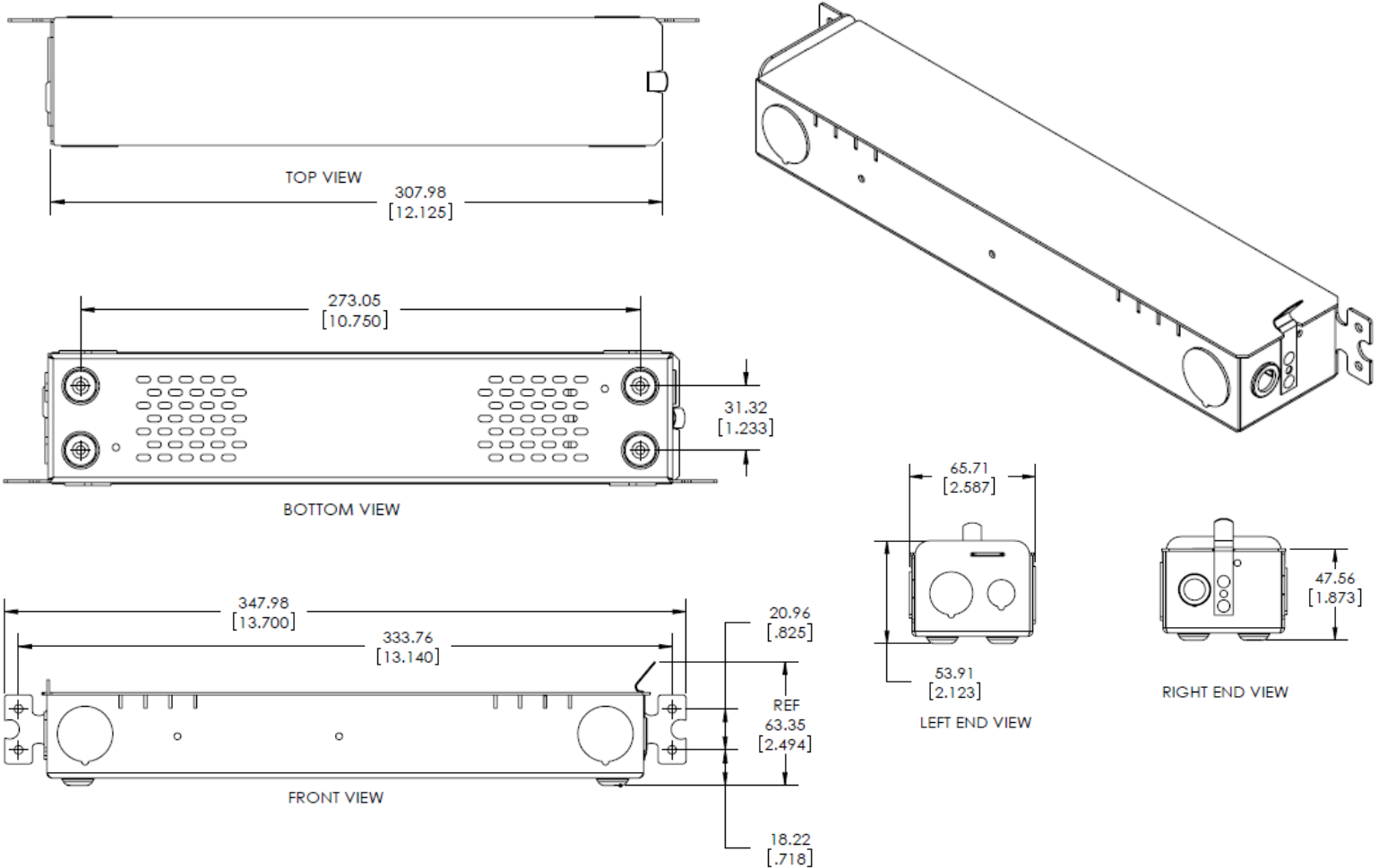


### IC / ICAT / Chicago Plenum

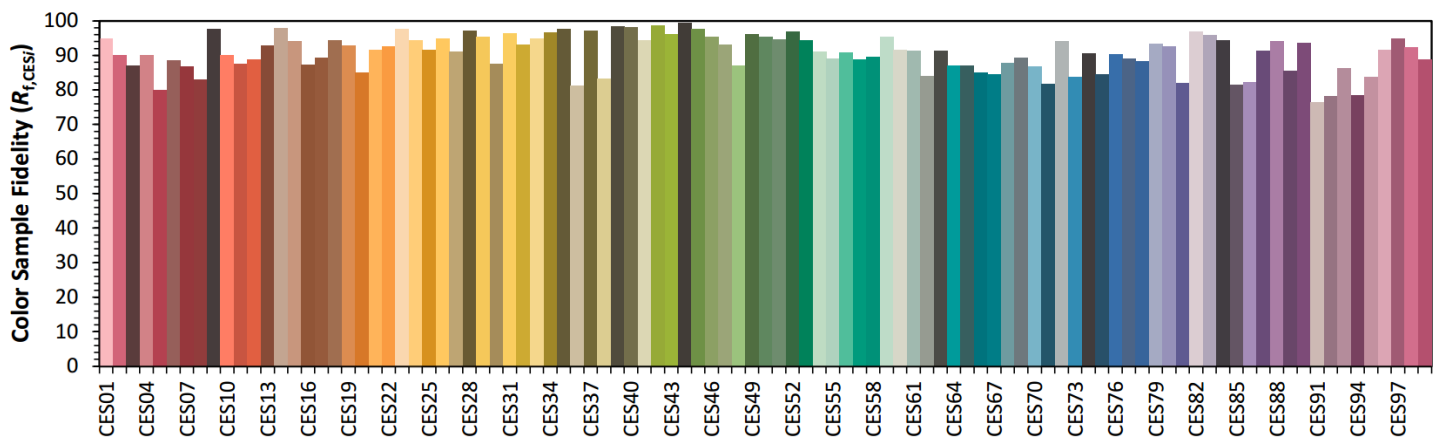
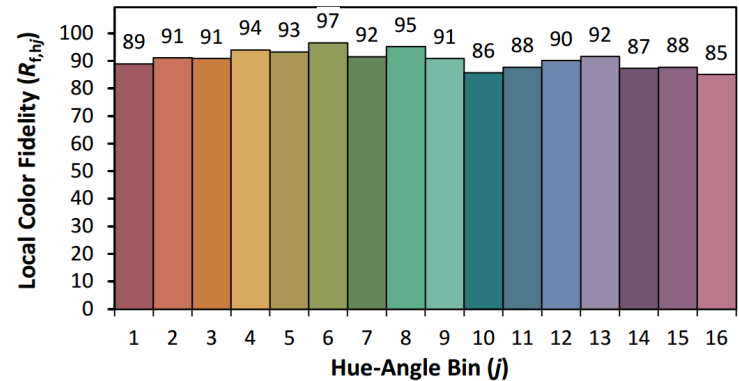
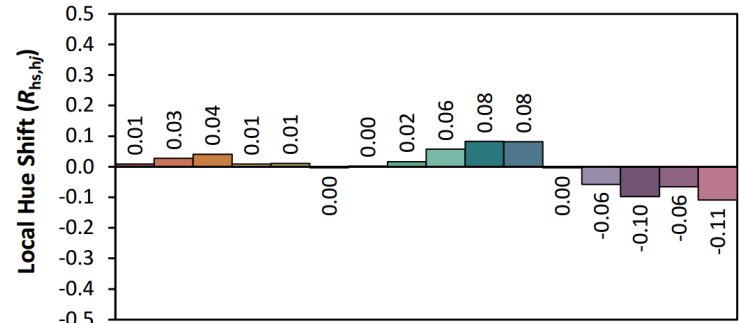
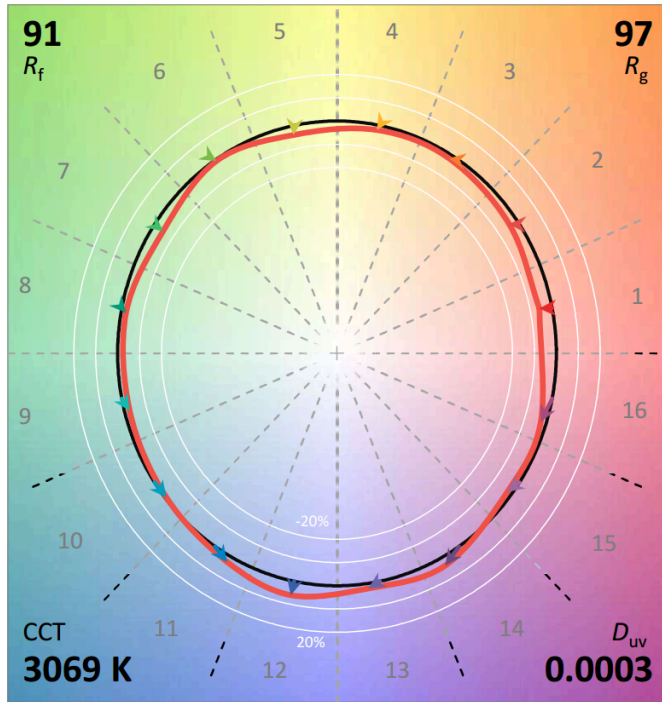
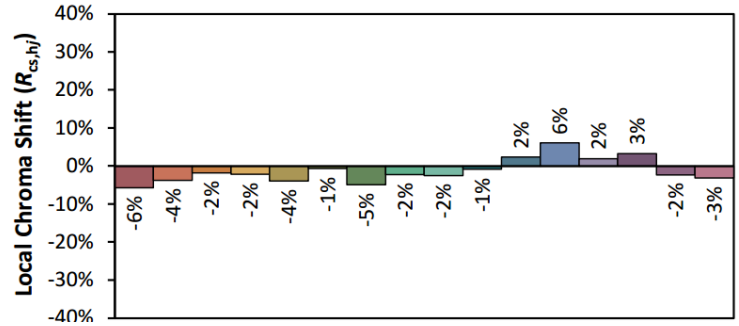
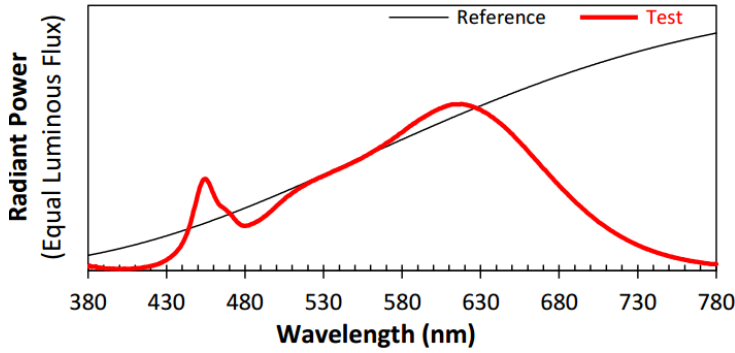


**10.50 x 8.50 x 6.75**  
**(266.7 x 215.9 x 171.5mm)**  
*L x W x H*

### Retrofit Driver Box



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



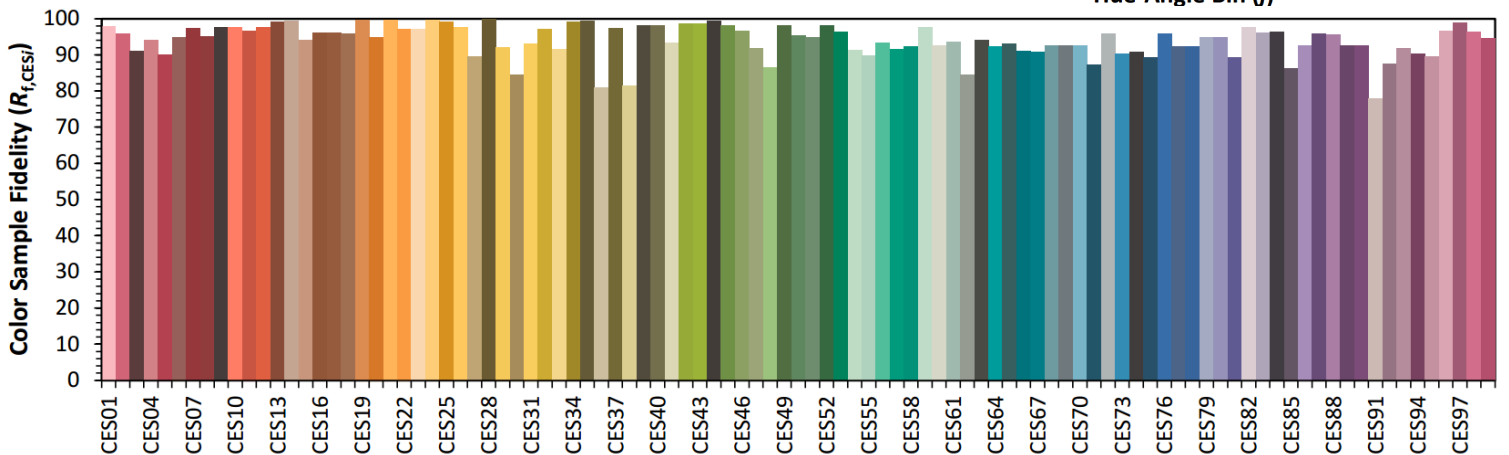
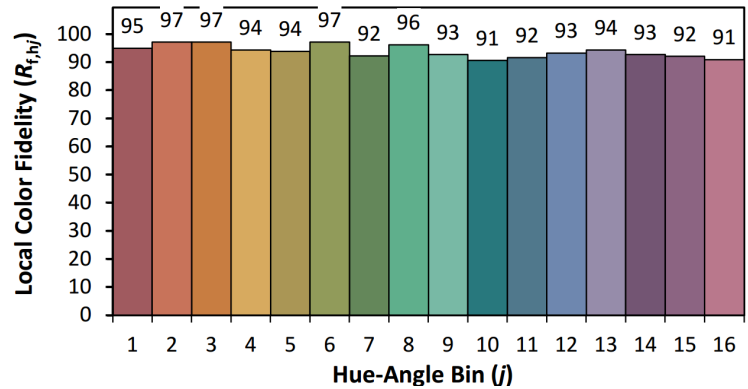
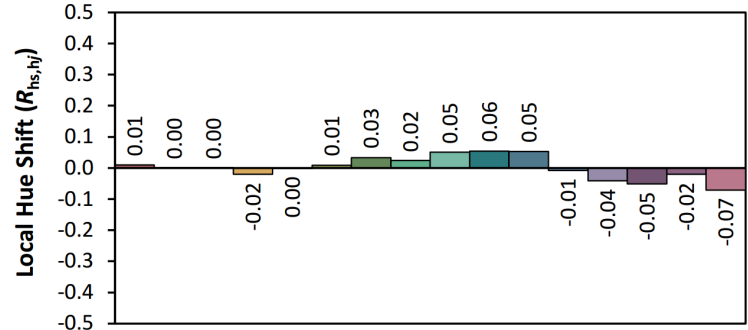
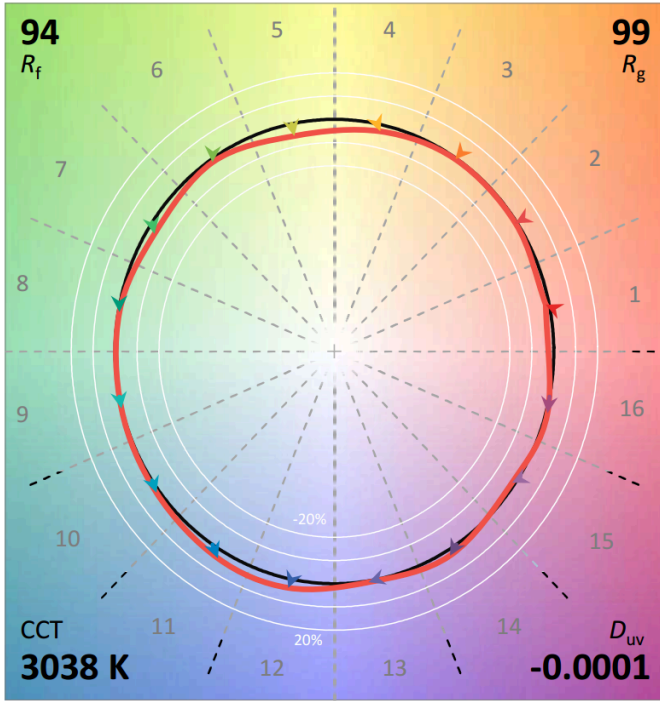
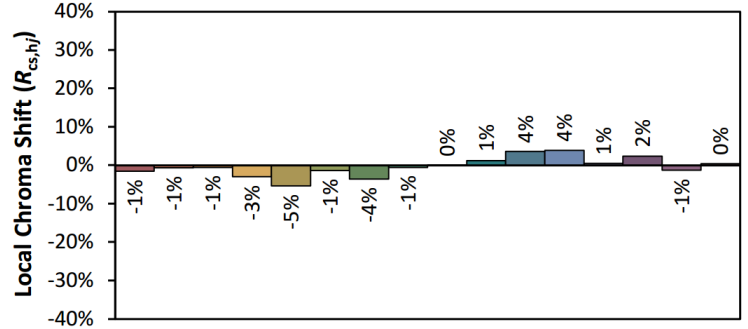
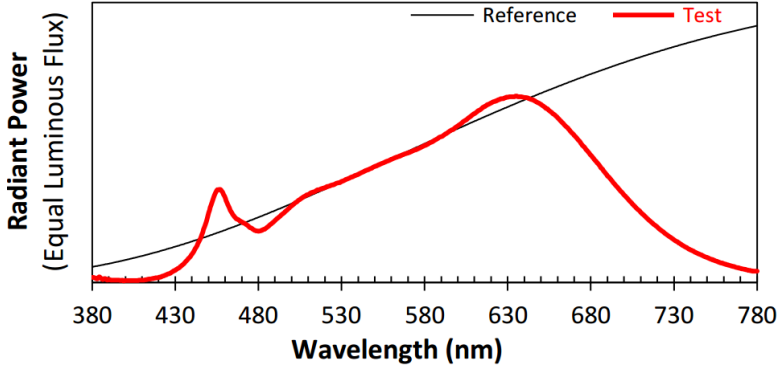
**Notes:** This is a recommended method for displaying IES TM-30-18 information.

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

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

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

## 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