

XDL E2

Adaptive Directional | Fixed to 30° Tilt | Xmesh

2.2in
55mm

PRODUCT SPECIFICATION



Product Features

- Industry leading 5 year warranty*
- Utilizes Xicato XOB LED light source with best in class color consistency (1 X 2 SDCM)
- Superior light quality with high CRI options of 90 and 95
- World class driver electronics delivering true flicker-free dimming performance
- Cutting edge dimming performance down to 0.1%** with 0-10V, DALI-2 and Xmesh wireless control
- Adaptive 2-in-1 fixture design transforms a fixed downlight to adjustable up to 30° tilt
- Classic round or square 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

EXAMPLE: E2-WRA-L19030-36DW-E2HBR-X10-L2 (XDL 2" White Round Adaptive Downlight, 765Lm, 90CRI, 3000K, 36 Degree White Reflector, Retrofit Driver Box, XAD 0-10V, For L1)

Model	Trim	Shape	Function	Output Level	CRI	CCT	Optics	Reflector
E2 XDL 2"	W White B Black T Trimless	R Round S Square	A Adaptive (0° to 30°)	L1 765 Lm	90 90 95 95	27 2700K 30 3000K 35 3500K 40 4000K	18D 18 Degree 24D 24 Degree 36D 36 Degree 50D 50 Degree	W Matte White B Matte Black S Matte Silver CB Chrome Black
Housing Size	Install Type	Cutout Shape	Driver	Output Level (Housing)	Emergency Backup*			
E2H XDL 2" Housing	B Retrofit Driver Box F New Construct Frame I Insulated Ceiling Box	R Round S Square Blank Retrofit or No Housing	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	Blank No Emergency E5 Emergency 90min @ 5W *All CA Title 20 Compliant			
D2H No Housing	A Air Tight IC Box Blank No Housing							

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

*See Xicato 5 Year Limited Warranty

Technical Specifications

Lighting	
LED	Xicato XOB
CCT	2700K, 3000K, 3500K, 4000K
Delivered Lumens	See Table
CRI	CRI ≥90 or CRI ≥95
LED Color Consistency	Xicato XOB with 1x2 SDCM Color Consistency
LED Rated Life (L70)	>50,000Hrs
Optical	
Beam Angle	24°, 30°, 40°, 50°
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)	3.78 x 2.56in (96 x 65mm)
Net Weight	0.35lb (160g)
Max Ambient Temp	35° C (95° F)
Application Type	Adaptive (Adjust from Fixed at 0° to 30° Tilt)
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
Warranty	5 years Limited

Performance and Efficacy*			
Model	Output (lm)	Power (W)	Efficacy (lm/W)
L1	765	11	70

*Data based on 3000K CRI 90 36° Optics as baseline

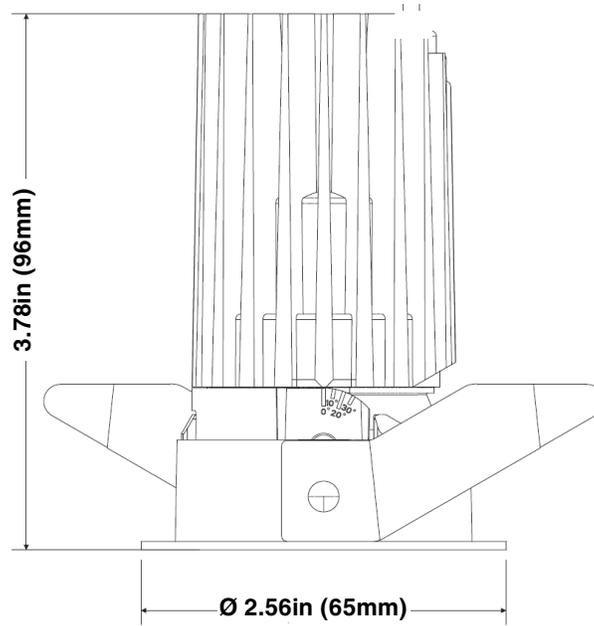
Lumen Conversion**		
CCT	CRI	Ratio
3000K	90	1
2700K	90	0.95
3500K	90	1.02
4000K	90	1.03
2700K	95	0.84
3000K	95	0.89
3500K	95	0.91
4000K	95	0.92
Beam Angle		Ratio
18°		0.75
24°		0.78
36°		1
50°		0.92

**All conversion based on 3000K CRI 90 Fixed as baseline

Emergency Battery Back-Up		
Battery Option		Est. Output Level
E5	90min @ 5W	~59%

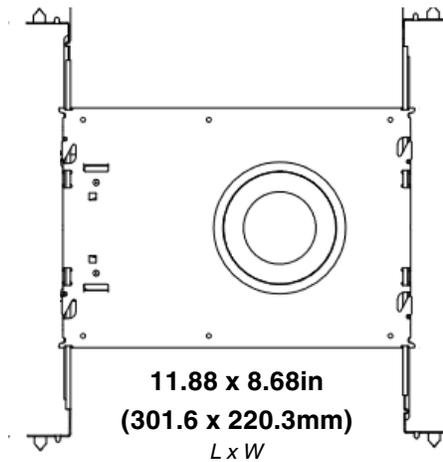
All data shown is nominal. Specifications and data are subject to change without notice.

Dimensional Drawings

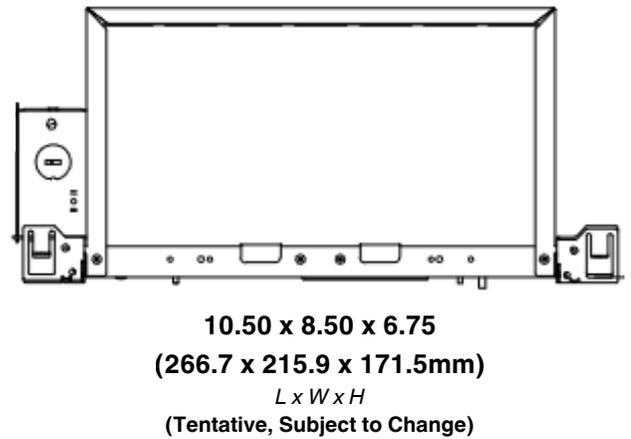


Other Dimensions

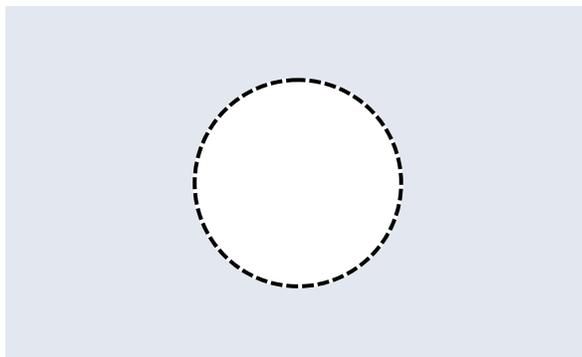
New Construction Plaster Plate



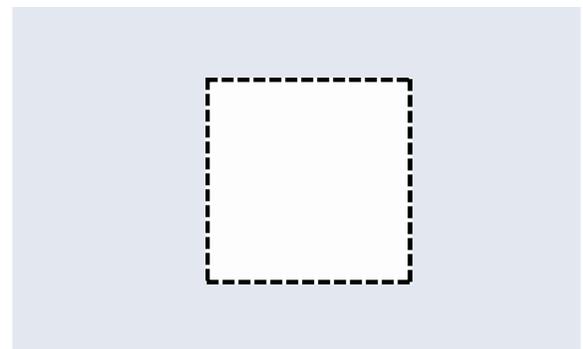
IC / ICAT / Chicago Plenum



Ceiling Cutout Dimension

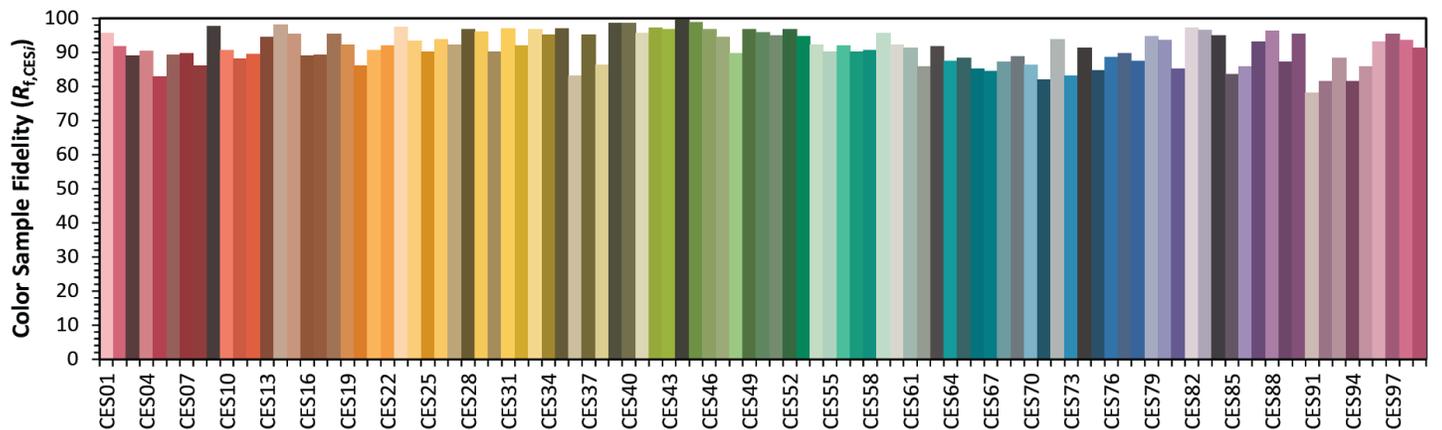
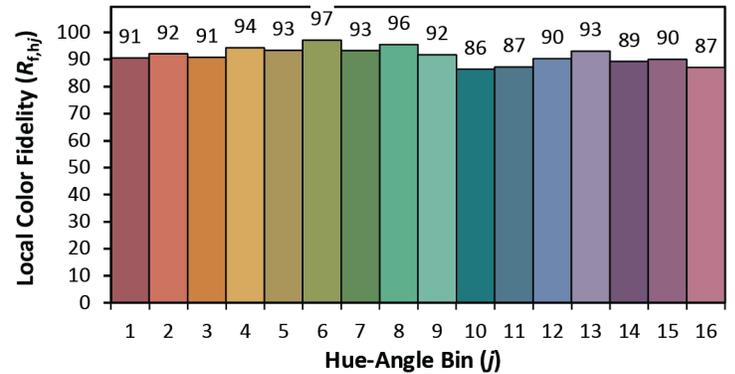
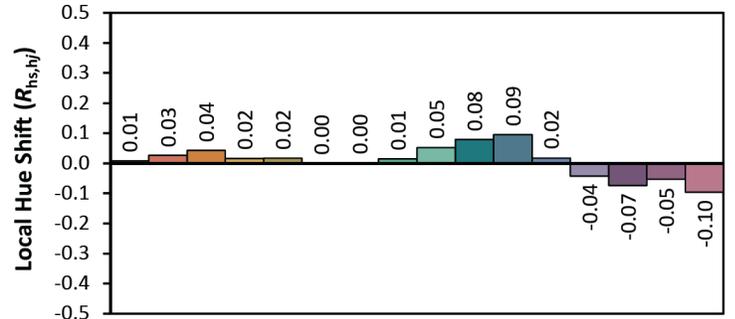
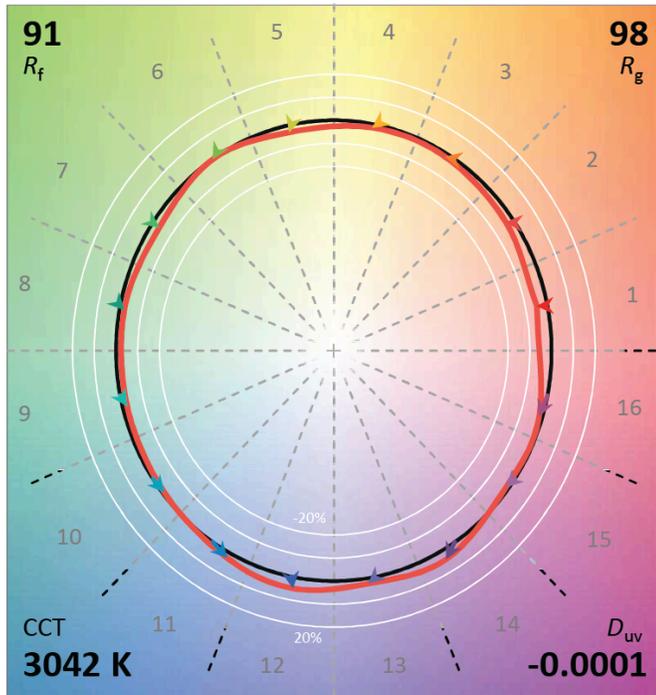
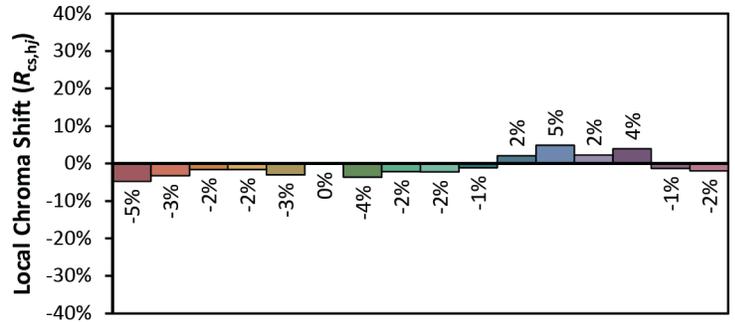
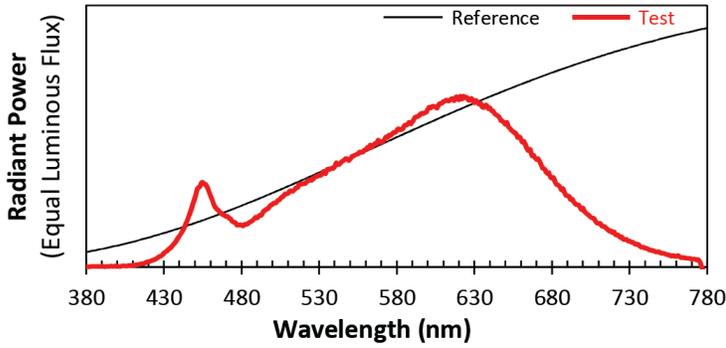


Round
Ø 2.16" (55mm)



Square
2.16" x 2.16" (55 x 55mm)

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



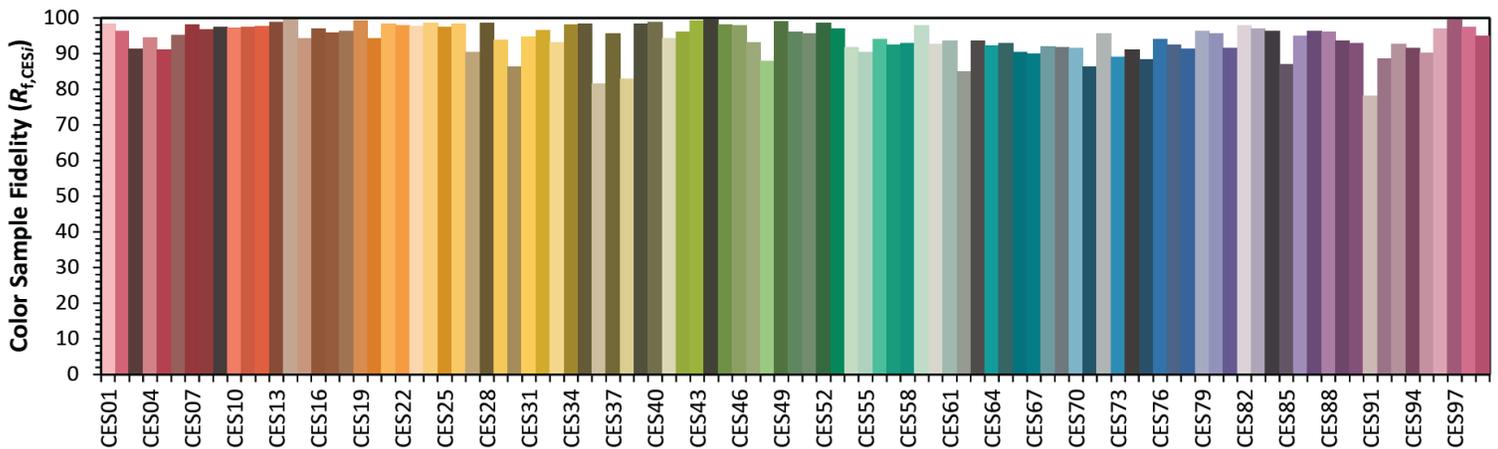
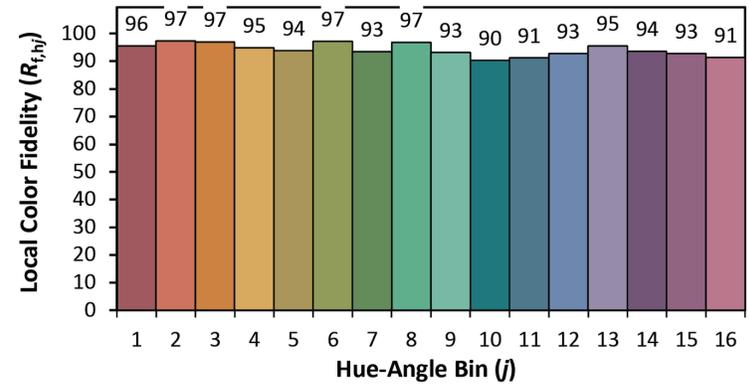
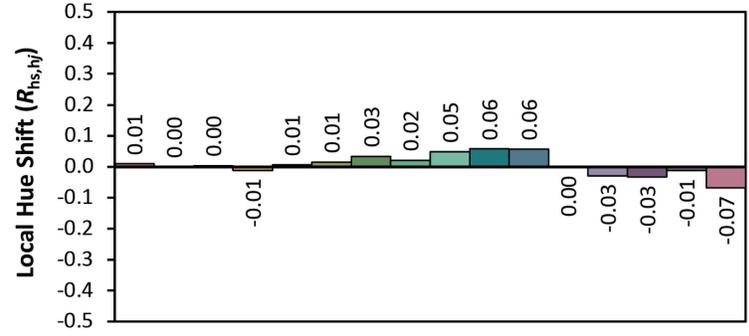
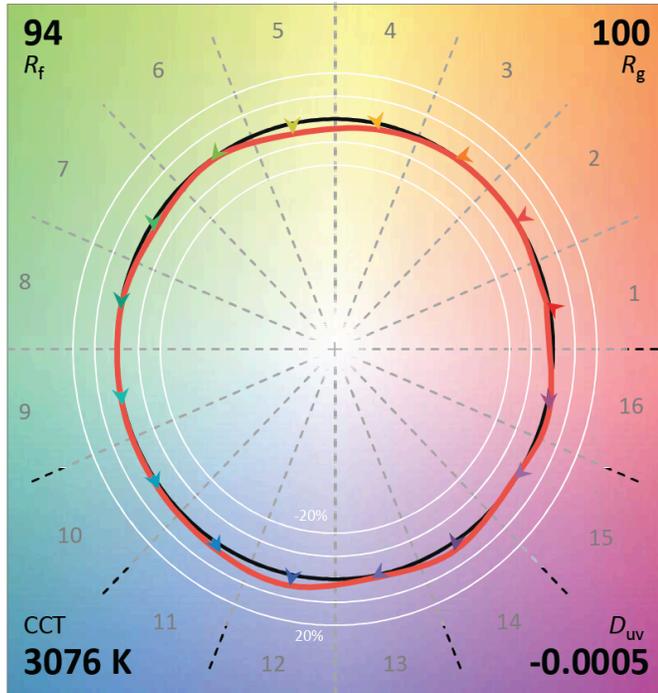
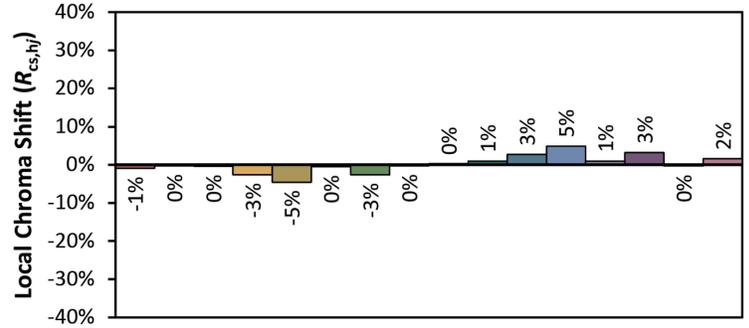
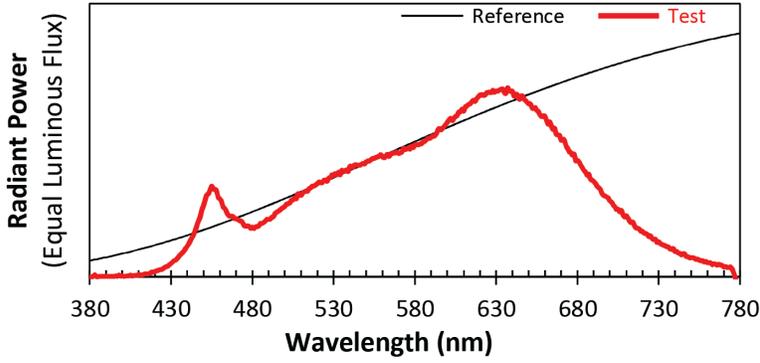
Notes: This is a recommended method for displaying IES TM-30-18 information.

x **0.4381**
 y **0.4043**
 u' **0.2512**
 v' **0.5216**

CIE 13.3-1995	
(CRI)	
R _a	93
R _g	64

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

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



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

x **0.4352**
 y **0.4022**
 u' **0.2502**
 v' **0.5204**

CIE 13.3-1995 (CRI)	
R_a	98
R_g	95

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