

XDL E3

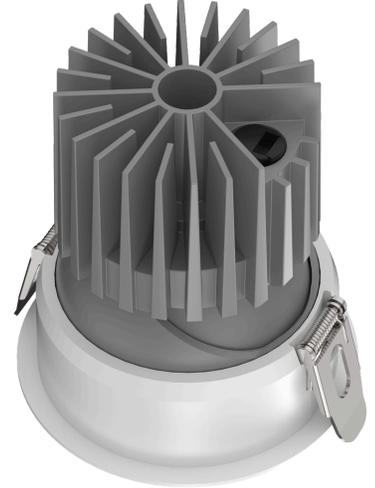
Adaptive Directional | Fixed to 30° Tilt | Xmesh

3in
75mm

PRODUCT SPECIFICATION



Damp
Location



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: E3-WRA-L29030-30DW-E3HBR-X10-L2 (XDL 3" White Round Adaptive Downlight, 1180Lm, 90CRI, 3000K, 30 Degree White Reflector, Retrofit Driver Box, XAD 0-10V, For L2)

Model	Trim	Shape	Function	Output Level	CRI	CCT	Optics	Reflector
E3 XDL 3"	W White	R Round	A Adaptive (0° to 30°)	L1 765 Lm	90 90	27 2700K	18D ¹ 18 Degree	W Matte White
	B Black	S Square		L2 1050 Lm		95 95	30 3000K	24D 24 Degree
	T Trimless					35 3500K	30D 30 Degree	S Matte Silver
						40 4000K	40D 40 Degree	CB Chrome Black
							50D ¹ 50 Degree	
Housing Size	Install Type	Cutout Shape	Driver	Output Level (Housing)		Emergency Backup*		
E3H XDL 3" Housing	B Retrofit Driver Box	R Round	X10 0-10V Dim to 1%	L1 L1 Output	Blank No Emergency			
	F New Construct Frame	S Square	XD2 DALI-2 Dim to 0.1%	L2 L2 Output	E5 Emergency 90min @ 5W			
	I Insulated Ceiling Box	Blank Retrofit or No Housing	X10X 0-10V with Xmesh Dim to 0.1%		E9 Emergency 90min @ 9W			
D3H No Housing	A Air Tight IC Box		XD2X DALI-2 with Xmesh Dim to 0.1%		*All CA Title 20 Compliant			
	Blank No Housing							

¹18D only available in L1; 50D only available in L2
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	18°, 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)	With Trim: 3.54 x 3.27in (90 x 83mm)
Net Weight	0.5lb (250g)
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, CA Title 24 JA8, UKCA, RoHS
Environmental Rating	Damp Location Rated
Warranty	5 years Limited

*18° only available in L1 Output; 50° only available in L2 Output

Performance and Efficacy*			
Model	Output (lm)	Power (W)	Efficacy (lm/W)
L1	765	11	70
L2	1050	15	70

*All data based on 3000K CRI 90 as baseline

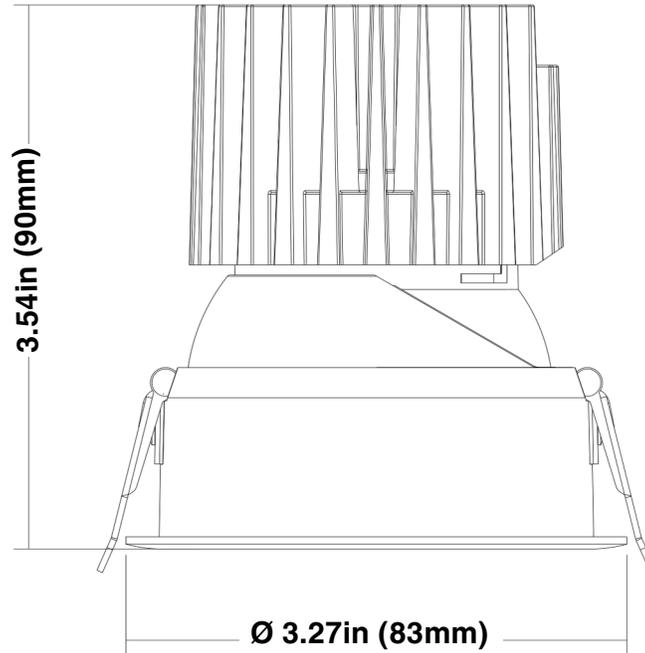
Lumen Conversion**		
CCT	CRI	Ratio
3000K	90	1
2700K	90	0.95
3500K	90	1.02
4000K	90	1.03
2700K	95	0.84
3000K	95	0.89
3500K	95	0.91
4000K	95	0.92
Beam Angle		Ratio
L1	18°	0.87
L1	24°	0.91
L1	30°	1
L1	40°	0.9
L2	24°	0.78
L2	30°	0.86
L2	40°	1
L2	50°	0.9

**Base for conversion: L1 based on 30°, L2 are based on 40°

Emergency Battery Back-Up			
		Est. Output Level	
Battery Option		L1	L2
E5	90min @ 5W	~59%	~42%
E9	90min @ 9W	x	~76%

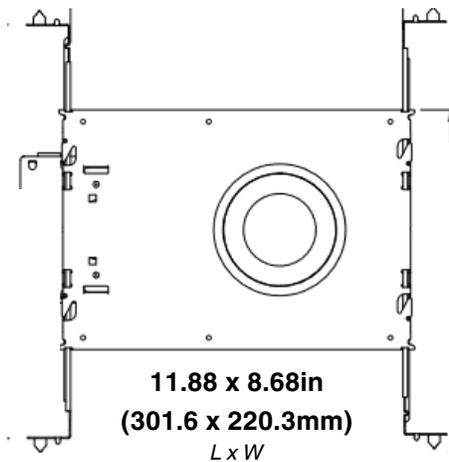
All data shown is nominal. Specifications and data are subject to change without notice.

Dimensional Drawings

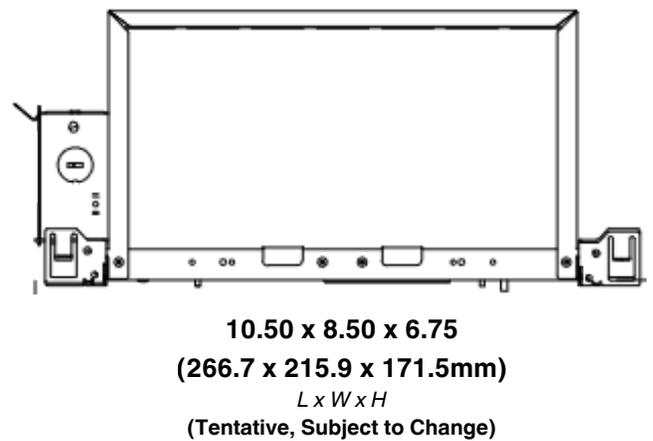


Other Dimensions

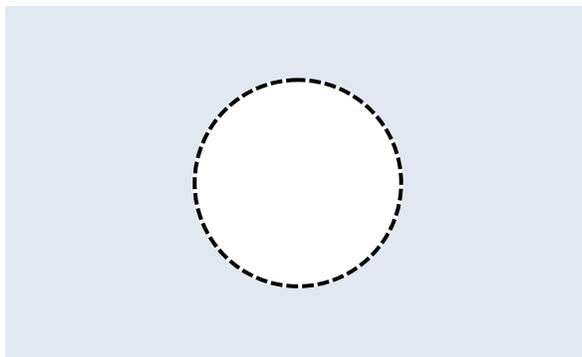
New Construction Plaster Plate



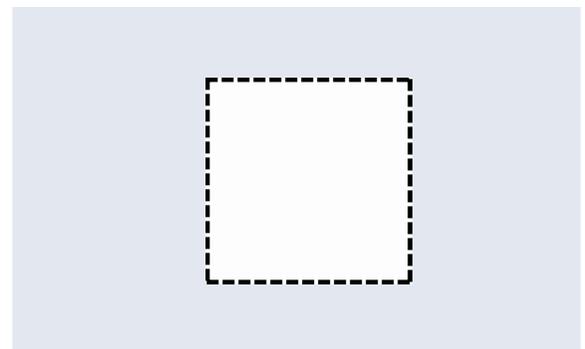
IC / ICAT / Chicago Plenum



Ceiling Cutout Dimension

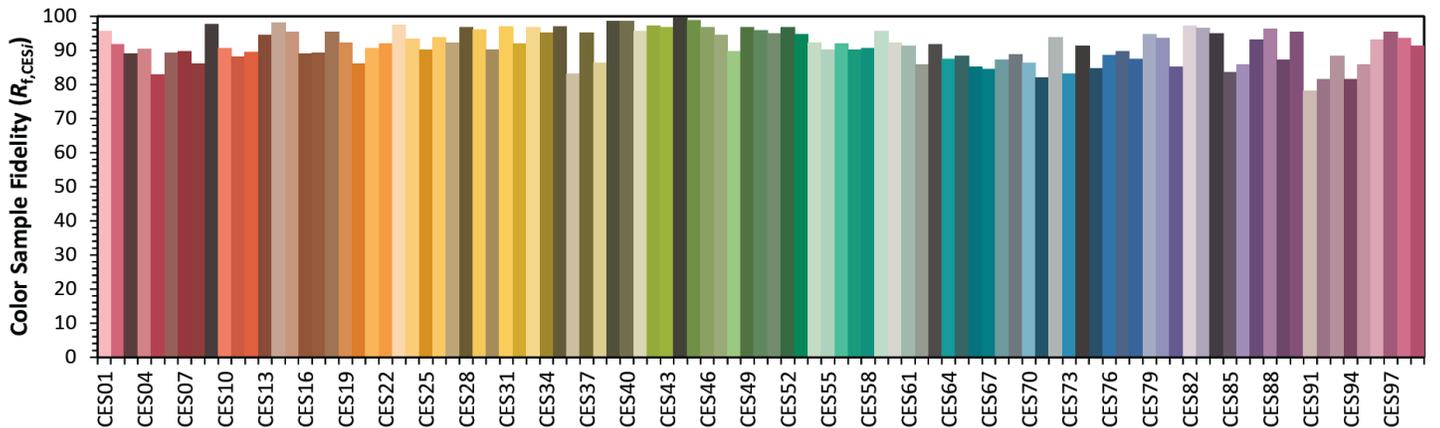
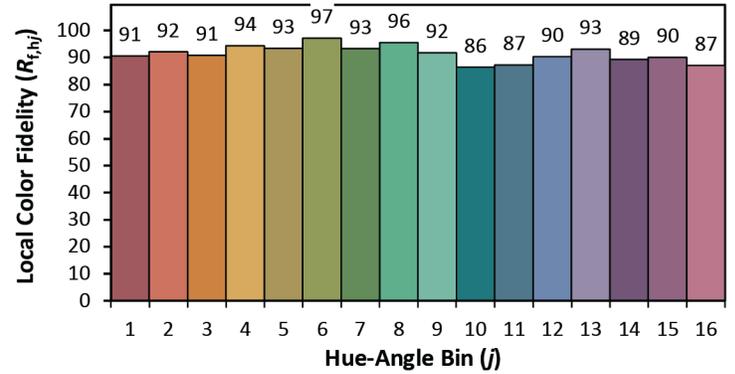
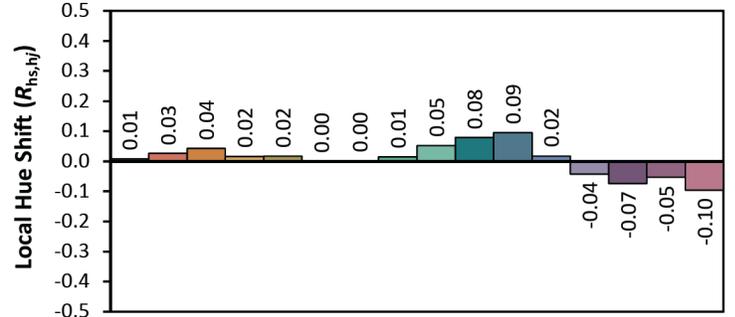
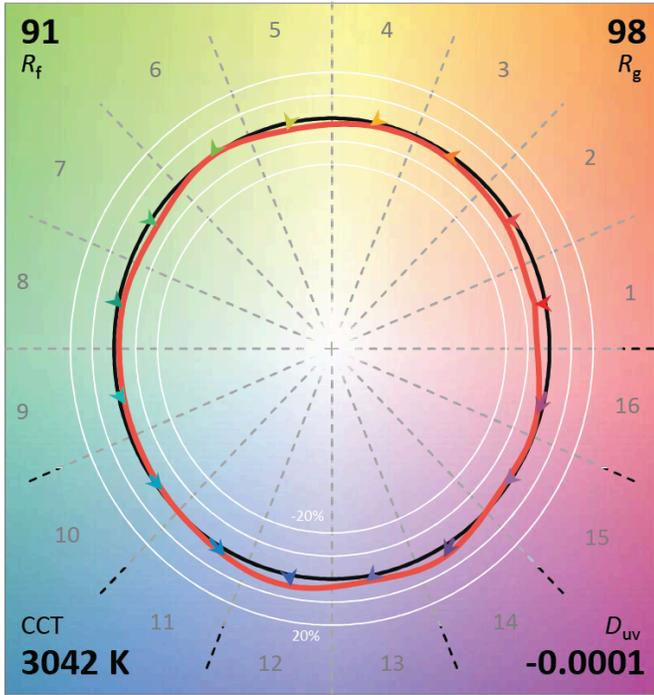
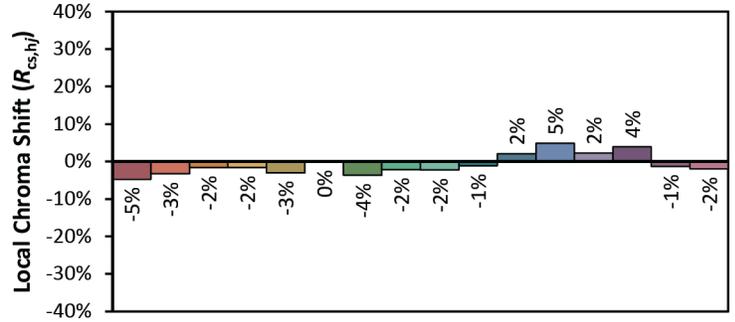
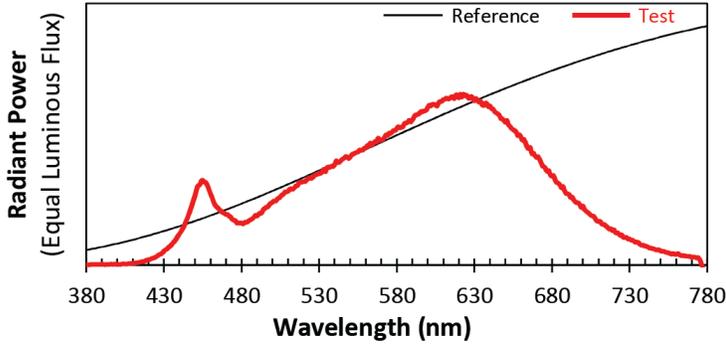


Round
Ø 2.95" (75mm)



Square
2.95" x 2.95" (75 x 75mm)

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



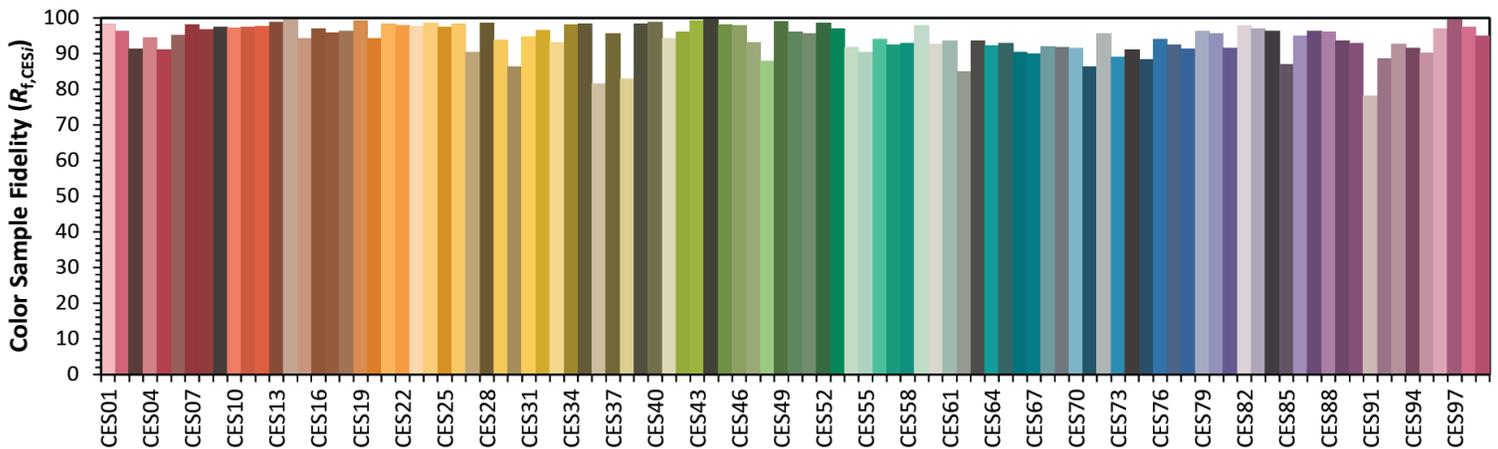
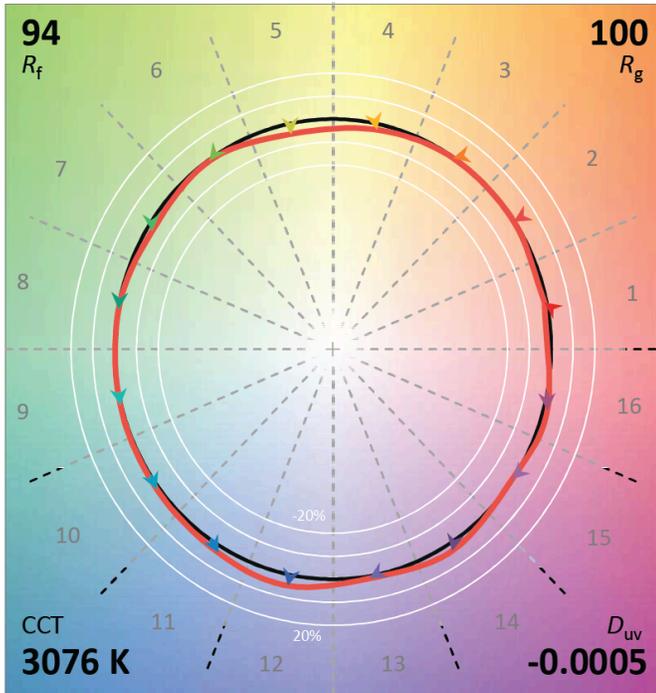
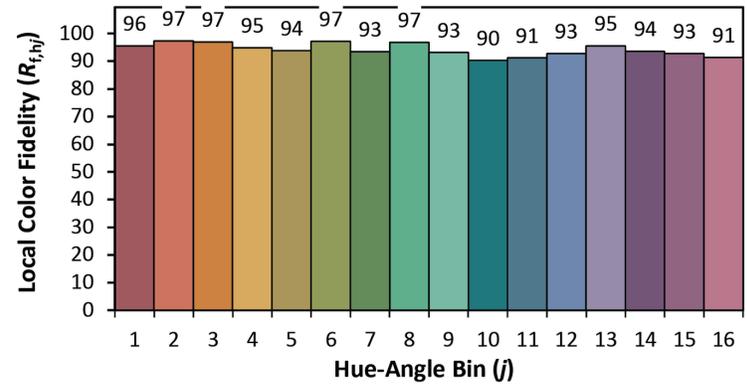
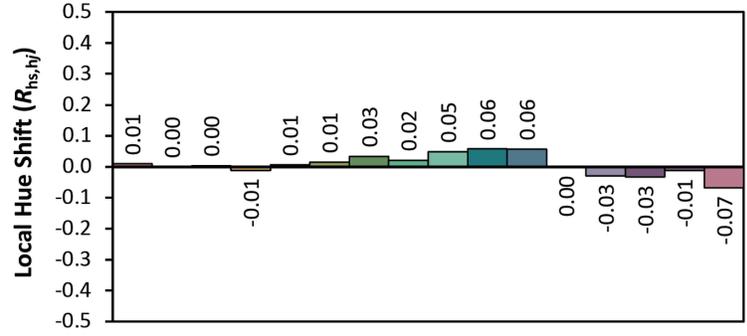
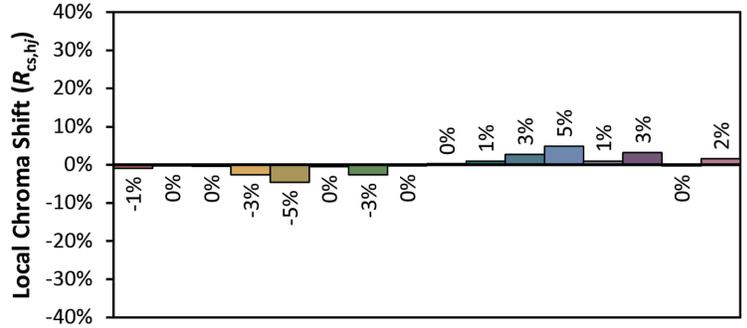
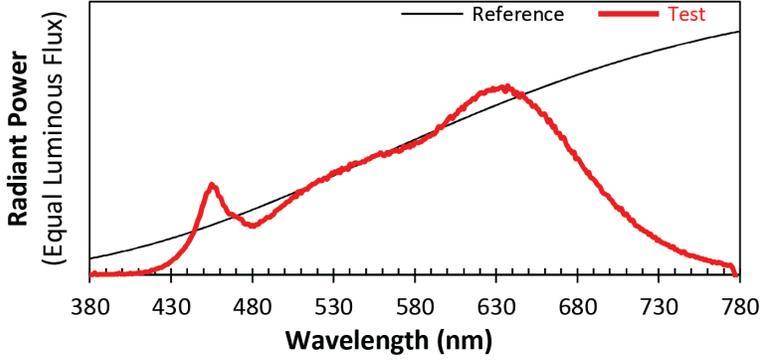
Notes: This is a recommended method for displaying IES TM-30-18 information.

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.