

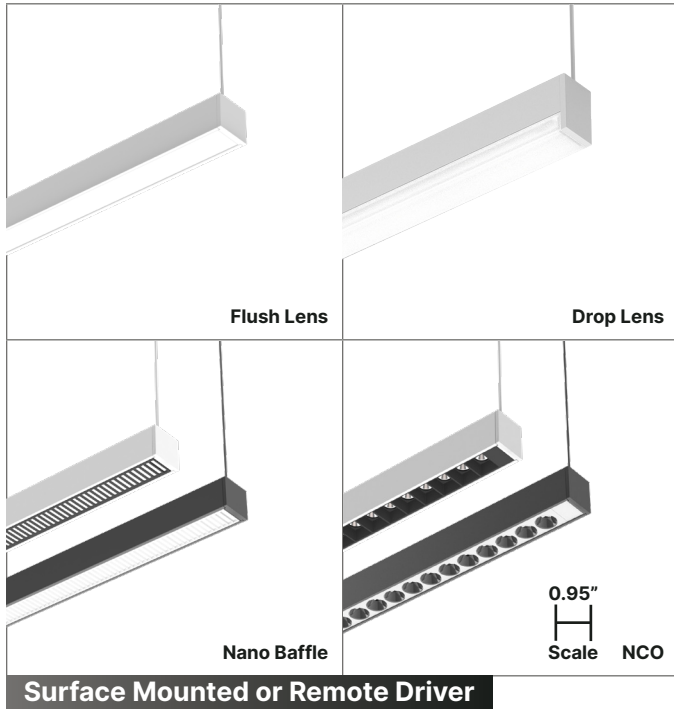
NANOSquare Pendant

Direct, Indirect, Direct / Indirect | Standard Lengths



Project Name _____

Fixture Type _____



DESCRIPTION

0.95" Compact Linear LED Pendant Mount

NANOSquare Pendant is a 0.95" square suspended LED linear light fixture, providing both direct (down) and indirect (up) lighting. NANOSquare Pendant delivers SmartBeam® capabilities to an ultrasmall graphic scale that complements architectural space. NANOSquare Pendant features a surface mounted or remote driver and "power over cable" technology to remove visual bulk. Unique Nano Cavity Optics (NCO) technology delivers pleasant low glare lighting with UGR of less than 19.

FEATURES & BENEFITS

Exceptional Performance

Up to 1,000 lm/ft, 135 lm/W efficacy

Wide Range of LED Selections

Static, Tunable White, and Dim-to-Warm

Designed with Options

Wide choice of SmartOptic® lenses, beam distributions, 80/90/95+ CRI, 2700K to 6500K CCT, and 0-10V, DALI, DMX, and TRIAC dimming

Patented Innovations

Fusion® Optix Inside with unique SmartBeam® capabilities

Proprietary Optical Components

Provides excellent light distribution and high-transmission

Committed to Sustainability

Declare Listed and Red Free List materials

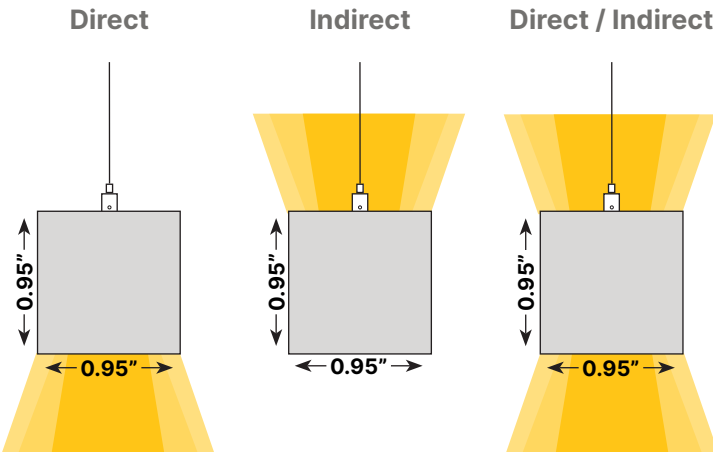
Compliance

UL Listed, Dry and Damp Locations

5-Year Warranty

Standard 5-year warranty, 50,000 hours

LIGHTING CONFIGURATIONS



Designed & Built in **BOSTON**

FIXTURE ORDERING

Project Name _____

Fixture Type _____

1) FIXTURE DESIGN

PRODUCT	FIXTURE LENGTH	FINISH	END CAP STYLE
NSQ95-P 0.95" Compact Linear LED Pendant Mount	2 - 2 ft 4 - 4 ft 6 - 6 ft 8 - 8 ft X_ - Specify Ft', In"	Powder Coated PMW - Matte White PMB - Matte Black PMG - Matte Gray PRAL_ - Specify RAL #	E1 - Flat End Cap
	Custom fixtures are available in 3" increments beyond standard lengths.	Anodized ACL - Clear Anodized ACU_ - Custom Anodized #	

2) LED LIGHT ENGINE

CRI	CCT	OPTIC (DIRECT ONLY)	DIRECT BEAM PATTERN	DIRECT OUTPUT
80 - Std. 80 CRI 90 - Std. 90 CRI 95 - High-Def. 95 CRI SUN - Full SunLike	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K XD - Dim-to-Warm ¹ XT - Tunable ¹ X_ - Specify CCT Specify Dim-to-Warm and Tunable between 2700K-6500K.	OFL - Flush Lens ONBW - Nano Baffle, White ONBB - Nano Baffle, Black	NN - Not Needed DLAM - Lambertian DBW60 - Batwing 60° DDA70 - Double Asym 70° DA5025 - Asym 50° at 25° Tilt DA4005 - Asym 40° at 5° Tilt DM55 - Medium 55° DN40 - Narrow 40° X_ - Specify Beam ¹	NN - Not Needed 35 - 350 lm/ft 50 - 500 lm/ft 75 - 750 lm/ft 100 - 1,000 lm/ft X_ - Specify lm/ft
		OSDL05 - Square Drop Lens 1/2"	NN - Not Needed DLAM - Lambertian	
	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	OSNCOW - Square NCO, White OSNCOB - Square NCO, Black ORNCOW - Round NCO, White ORNCOB - Round NCO, Black ORNCOG - Round NCO, Graphite	DS45 - Nano Cavity Optics Spot 45° DS35 - Nano Cavity Optics Spot 35° DS25 - Nano Cavity Optics Spot 25°	
INDIRECT BEAM PATTERN	INDIRECT OUTPUT	CIRCUIT		
NN - Not Needed ILAM - Lambertian IBW120 - Batwing120° IFT150 - FlatTop 150° IA6040 - Asym 60° at 40° Tilt IA4560 - Asym 45° at 60° Tilt X_ - Specify Beam ¹	NN - Not Needed 35 - 350 lm/ft 50 - 500 lm/ft 75 - 750 lm/ft 100 - 1,000 lm/ft X_ - Specify lm/ft	1CH - 1 Circuit (Standard) 2CH - Bi-Directional 2 Circuit (Optional)		

3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	DRIVER LOCATION	DRIVER (POWER) ²	
UNV - 120/277V 347 - 347V	RD - Remote Driver	FDND - Factory Non-Dimming FD00 - Factory 0-10V 0.1% Dim FD01 - Factory 0-10V 1% Dim FD10 - Factory 0-10V 10% Dim FDDA - Factory DALI 0.1% Dim FDDX - Factory DMX Dim FDTR - Factory TRIAC Dim LD01 - Lutron Hi-Lume 1% Dim X_ - Specify Driver	Footnotes: ¹ Contact factory about custom beam options. ² Standard driver box is included

4) FIXTURE MOUNTING & CONNECTIONS

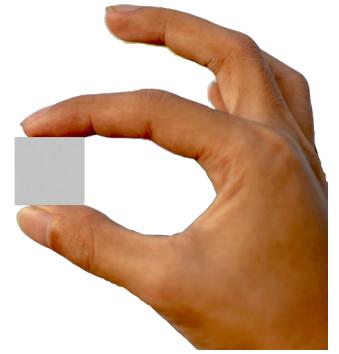
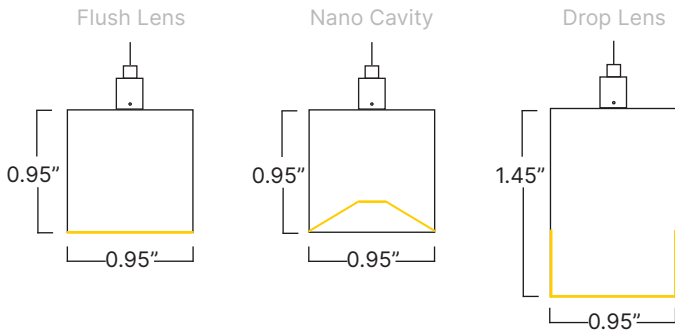
MOUNTING TYPE	CANOPY	POWER CORD
<p>DJ - Drywall/J-Box Mount/Hard Ceiling/Unistrut TC1 - 9/16" Flat T-Bar Mount TC2 - 9/16" Bolt Slot T-Bar Mount TC3 - 15/16" Flat T-Bar Mount</p> <p>TC1, TC2 and TC3 clips directly to grid t-bar.</p>	<p>RCW25 - 2" & 5" Round Canopy, White (Standard) RCB25 - 2" & 5" Round Canopy, Black RCW2 - 2" Round Canopy, White RCB2 - 2" Round Canopy, Black RCW5 - 5" Round Canopy, White RCB5 - 5" Round Canopy, Black SCW2 - 2" Square Canopy, White SCB2 - 2" Square Canopy, Black SCW5 - 5" Square Canopy, White SCB5 - 5" Square Canopy, Black</p>	<p>P48W - 48" White Cord (Ø 1/8") P48B - 48" Black Cord (Ø 1/8") P96W - 96" White Cord (Ø 1/8") P96B - 96" Black Cord (Ø 1/8")</p>

OPTIONAL

EMERGENCY BACKUP	WIRELESS MODULE
<p>EMC - Emergency Circuit EMB - Emergency Battery (10 W — Remote) X_ - Specify Backup</p> <p>Specify requirements at time of order.</p>	<p>WCN - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box) PIR - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay < 10') MW - Wireless Communication Node + MW Sensor (Standard for Low Bay < 10') X_ - Other – Specify Embedded Component or Specific Non-Standard Sensor Detection Range</p>

DIMENSIONS & INSTALLATION

Dimensions



Standard Fixtures

2ft	23.05" / 23.4"
4ft	47.05" / 47.4"
6ft	71.05" / 71.4"
8ft	95.05" / 95.4"

Lens Length / Fixture Length

Mounting Type

T-Bar Mount

Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements.

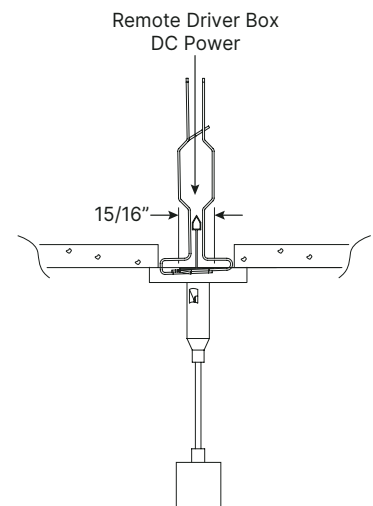
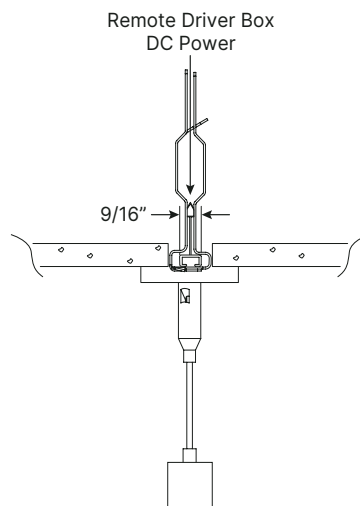
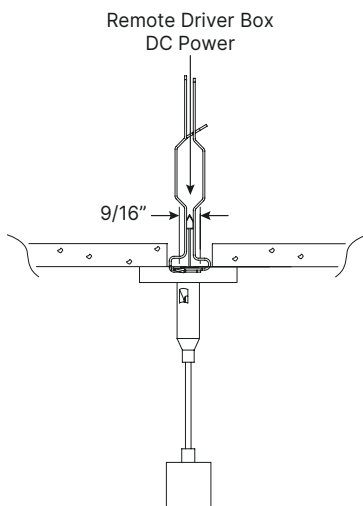
Drywall/J-Box Mount

Installs onto a surface via a junction box.

T1 - 9/16" Flat T-Bar Mount

T2 - 9/16" Bolt Slot T-Bar Mount

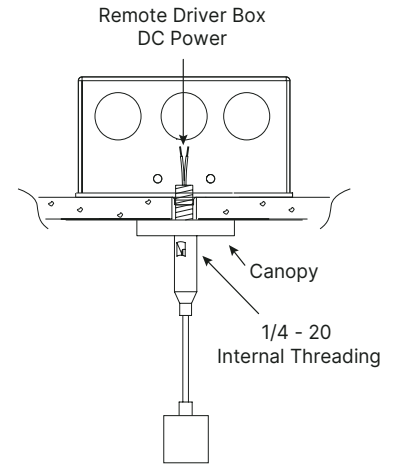
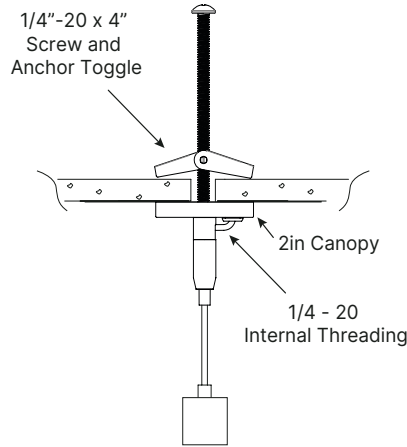
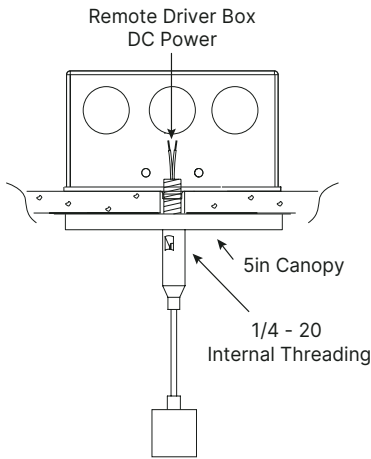
T3 - 15/16" Flat T-Bar Mount



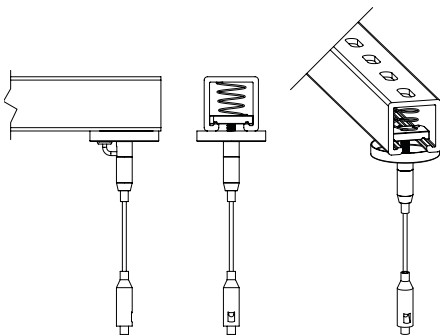
DIMENSIONS & INSTALLATION

Mounting Type

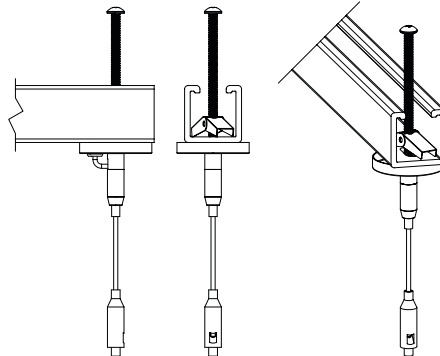
DJ - Drywall/J-Box Mount



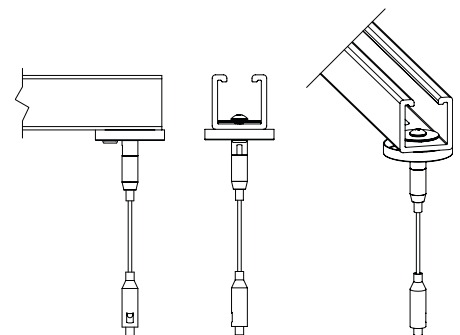
**DJ - Drywall/J-Box Mount
Unistrut Strut Channel Nut
with 1/4" - 20 Stud**



**DJ - Drywall/J-Box Mount
1/4"-20 x 4" Screw and Anchor Toggle
in Unistrut Strut Channel**



**DJ - Drywall/J-Box Mount
1/4" - 20 x 1" Screw and
Washer in Unistrut Channel**



SMARTBEAM® TECHNOLOGY

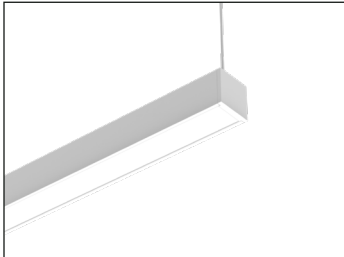
The Ultimate Control of Lighting Distributions

SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every XICO product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

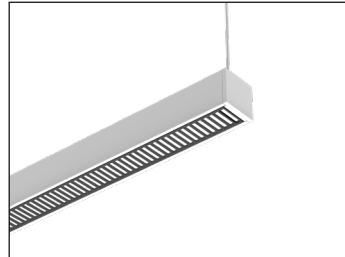
To learn more about our SmartBeam Technology, please click or scan the QR Code.



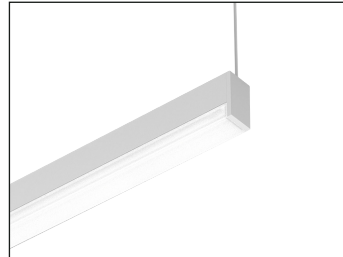
Direct Optics Choices



FL - Flush Lens



NB - Nano Baffle



SDL - Square Drop Lens 1/2"



NCO - Nano Cavity Optics

DIRECT OPTICS	BEAM PATTERN									
	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40	DS45	DS35	DS25
Flush Lens	■	■	■	■	■	■	■			
Nano Baffle	■	■	■	■	■	■	■			
Drop Lens 1/2"	■									
NCO								■	■	■

LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
95	-	0.91	0.96	1.00	1.04	1.11	1.03	1.04
SUN	-	0.90	0.92	1.00	1.01	1.07	1.04	1.05

LPW Performance

	DIRECT									
	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40	DS45	DS35	DS25
LM/W	111	123	123	130	128	129	116	82	82	82

	INDIRECT				
	ILAM	IBW120	IFT150	IA6040	IA4560
LM/W	150	159	155	164	164

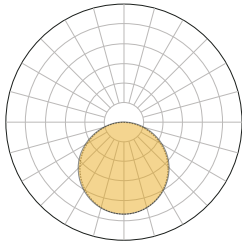
$$LM/W = \frac{\left(\begin{matrix} DIRECT \\ LM/FT \end{matrix} + \begin{matrix} INDIRECT \\ LM/FT \end{matrix} \right)}{\left(\begin{matrix} DIRECT \\ W/FT \end{matrix} + \begin{matrix} INDIRECT \\ W/FT \end{matrix} \right)}$$

DIRECT PHOTOMETRICS

48" Length, 80+/3500K CRI/CCT, 3,000 Lumens

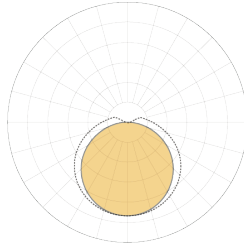
Static White Light

DLAM: Lambertian



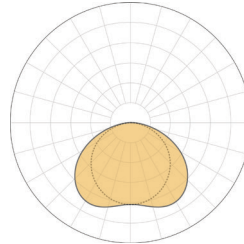
LM/FT	W/FT	LM/W
350	3.2	109.4
500	4.6	108.7
750	6.9	108.7
1000	9.2	108.7

DLAM: Lambertian w/ 1/2" Drop Lens



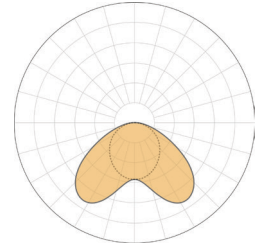
LM/FT	W/FT	LM/W
350	2.5	140
500	3.5	142.9
750	5.3	142.7
1000	7.1	140.8

DBW60: Batwing 60°



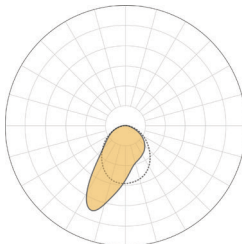
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

DDA70: Double Asymmetric 70°



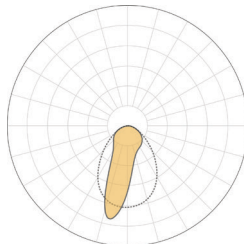
LM/FT	W/FT	LM/W
350	2.8	125
500	4.1	122
750	6.1	123
1000	8.1	123.5

DA5025: Asymmetric 50° at 25° Tilt



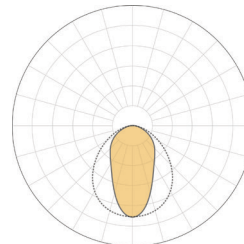
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

DA4005: Asymmetric 40° at 5° Tilt



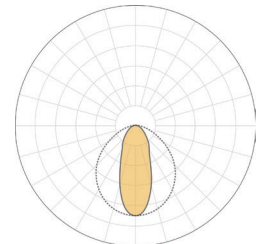
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

DM55: Medium 55°



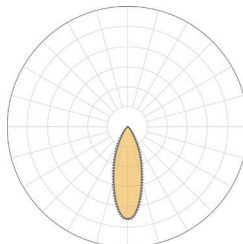
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

DN40: Narrow 40°



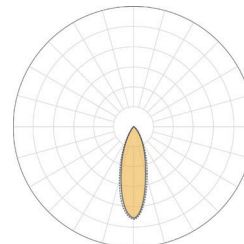
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

DS45: Nano Cavity Optic Spot 45°



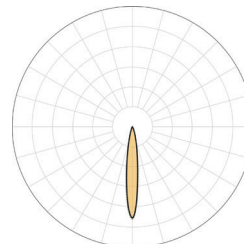
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6	83.3
750	9	83.3
1000	12	83.3

DS35: Nano Cavity Optic Spot 35°



LM/FT	W/FT	LM/W
350	4.2	83.3
500	6	83.3
750	9	83.3
1000	12	83.3

DS25: Nano Cavity Optic Spot 25°



LM/FT	W/FT	LM/W
350	4.2	83.3
500	6	83.3
750	9	83.3
1000	12	83.3

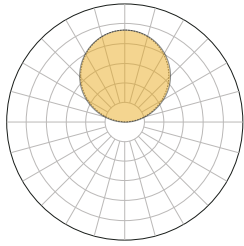
COMPATIBLE OPTIC	
FLUSH LENS	NANO BAFFLE
DROP LENS	NCO

INDIRECT PHOTOMETRICS

Static White Light

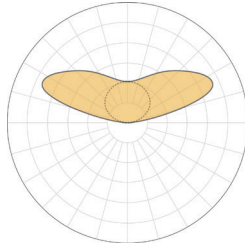
48" Length, 80+/3500K CRI/CCT, 4,000 Lumens

ILAM: Lambertian



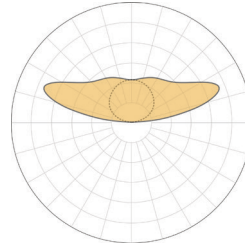
LM/FT	W/FT	LM/W
350	3.3	106.1
500	4.7	106.4
750	7.1	105.6
1000	9.5	105.3

IBW120: Batwing 120°



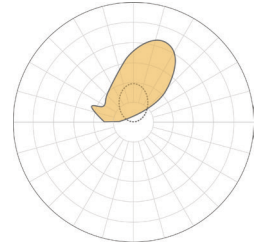
LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

IFT150: FlatTop 150°



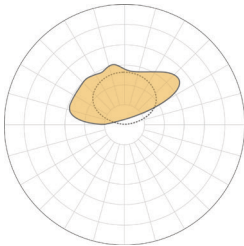
LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

IA6040: Asymmetric 60° at 40° Tilt








LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

IA4560: Asymmetric 45° at 60° Tilt



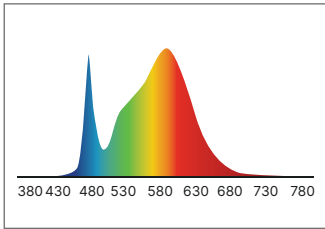
LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

OPTICS CONFIGURATIONS

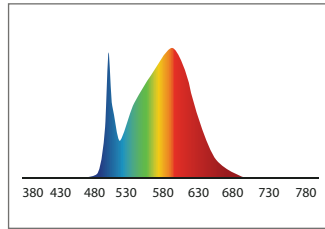
				
Flush Lens	Square Drop Lens 1/2"	Nano Baffle	Square NCO	Round NCO
White Flush Lens OFL	White Square Drop Lens 1/2" OSDL05	White Nano Baffle ONBW	White Square NCO OSNCOW	White Round NCO ORNCOW
		Black Nano Baffle ONBB	Black Square NCO OSNCOB	Black Round NCO ORNCOB
				Graphite Round NCO ORNCOG

LED OPTIONS

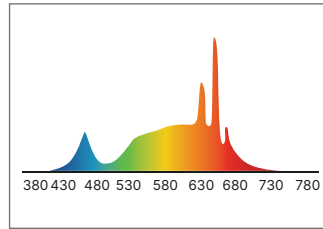
80: Standard 80+ CRI



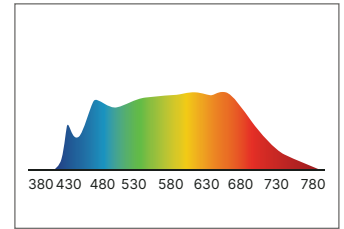
90: Standard 90+ CRI



95: High-Definition 95+CRI



SUN: Full Spectrum "SunLike"



CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
95	High Definition 95 CRI	3500K	97.1	95	-	-	-	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	-	-	-	-	130

POWER & CONTROLS

Voltage

Fixture Voltage (AC)

120–277 VAC

347 VAC, 50/60 Hz

Power Location

Remote or Surface Mounted

LED Driver

Factory Selected, 36–39V Constant Current

Drivers

FDND - Factory Non-Dimming

FD00 - Factory 0-10V 0.1% Dim

FD01 - Factory 0-10V 1% Dim

FD10 - Factory 0-10V 10% Dim

FDDA - Factory DALI 0.1% Dim

FDDX - Factory DMX Dim

FDTR - Factory TRIAC Dim

LD01 - Lutron Hi-Lume 1% Dim

X_ - Specify Driver

Emergency Backup (Optional)

EMC - Emergency Circuit

EMB - Emergency Battery

(10 W — Remote)

X_ - Specify Backup

Power

10 W

Illumination Time

90 minutes

IP Rating

Suitable for Dry and Damp Locations,
indoor use only

XBox

Remote Driver Boxes (Optional)

To create a clean and organized power solution for multiple fixture installations see our XBox Specification Guide. Reach out to a XICO Sales Representative to discuss your projects needs.

Compatible Control Options



