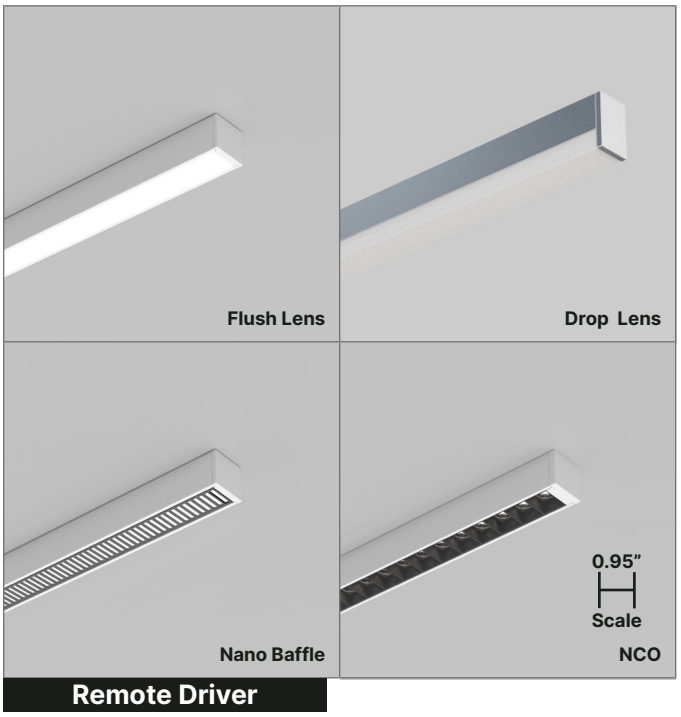
NANOSquare Surface

Direct | Standard Lengths

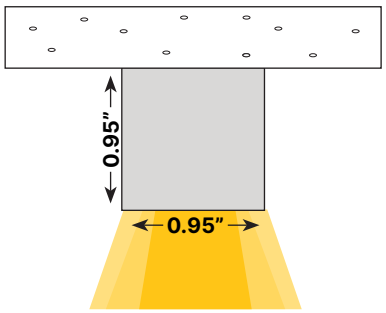
Project Name _____

Fixture Type _____



LIGHTING CONFIGURATIONS

Direct



DESCRIPTION

0.95" Compact Linear LED Surface Mount

NANOSquare95 Surface is 0.95" square surface mounted LED linear light fixture, bringing SmartBeam® capabilities to a graphic scale that complements architectural space. NANOSquare95 Surface features a remote driver and "power over cable" technology to remove visual bulk.

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, 2200K 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

Designed & Built in BOSTON

FIXTURE ORDERING

Project Name _____ Fixture Type _____

1) FIXTURE DESIGN

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

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	**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]	**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°	

3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	REMOTE DRIVER (POWER)[2]
UNV - 120/277V **347** - 347V	**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

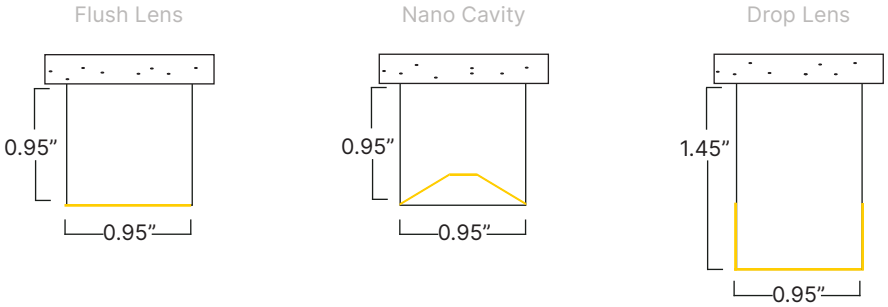
MOUNTING TYPE	POWER CORD	MOUNTING KIT
SC1 - Surface Mount Clip **SM1** - Surface Magnet Mount **TC1** - 9/16" Flat T-Bar Mount **TC2** - 9/16" Bolt Slot T-Bar Mount **TC3** - 15/16" Flat T-Bar Mount TC1, TC2 and TC3 clips directly to grid t-bar.	**P48W** - 48" White Cord (Ø 1/8") **P48B** - 48" Black Cord (Ø 1/8") **P96W** - 96" White Cord (Ø 1/8") **P96B** - 96" Black Cord (Ø 1/8")	**SSMB** - Stainless Steel Surface Mounting Bracket

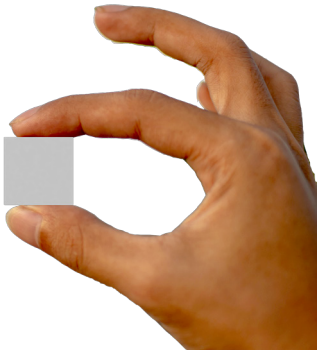
OPTIONAL

EMERGENCY BACKUP	WIRELESS MODULE
EMC - Emergency Circuit **EMB** - Emergency Battery (10 W — Remote) **X_** - Specify Backup Specify requirements at time of order.	**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

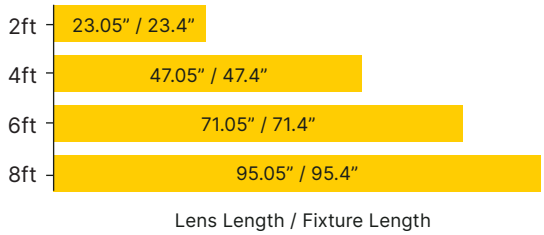
DIMENSIONS & INSTALLATION

Dimensions





Standard Fixtures



Lens Length / Fixture Length

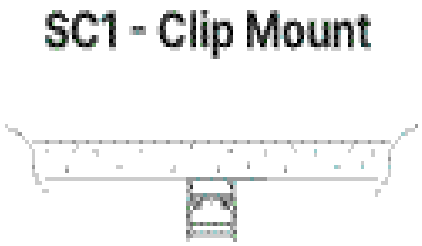
Mounting Type

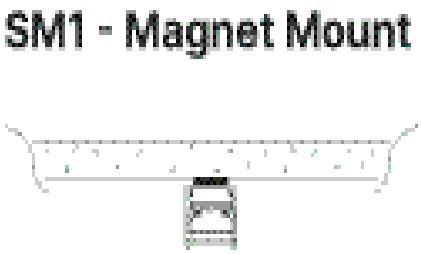
T-Bar Mount	Installs into a ceiling grid system and mount on to, or replace, typical T-Bar elements. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.
Surface Mount	Installs onto a surface via clip or magnet. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

Mounting Kit

Surface Mounting Bracket	Stainless Steel

Mounting Options





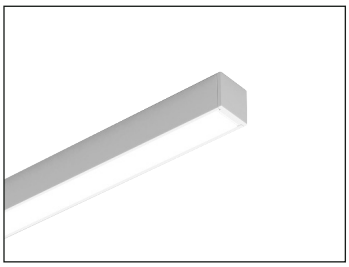
SMARTBEAM® TECHNOLOGY

The Ultimate Control of Lighting Distributions

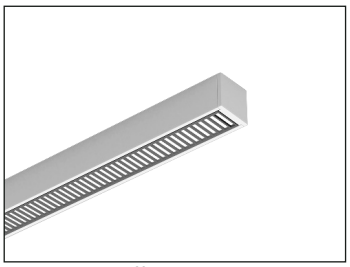
SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every XICO product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

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

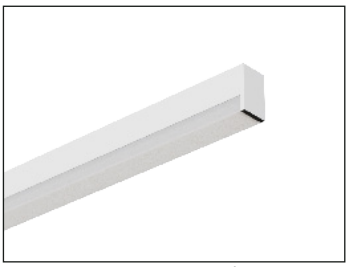
Direct Optics Choices



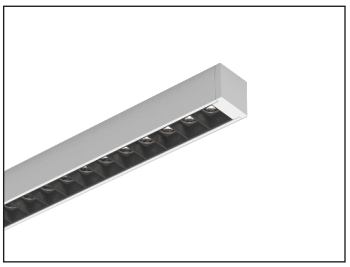
FL - Flush Lens



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

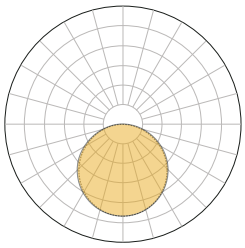
$$\text{LM/W} = \frac{\left(\text{DIRECT LM/FT} + \text{INDIRECT LM/FT}\right)}{\left(\text{DIRECT W/FT} + \text{INDIRECT W/FT}\right)}$$

DIRECT PHOTOMETRICS

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

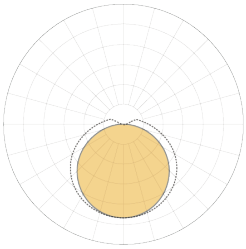
Static White Light

DLAM: Lambertian



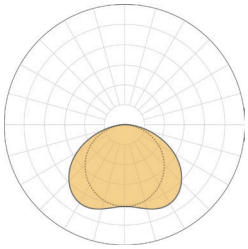
LM/FT	W/FT	LM/W
350	3.2	109.4
500	4.6	108.7
750	6.9	108.7
1000	9.2	108.7

DLAM: Lambertian w/ 1/2" Drop Lens



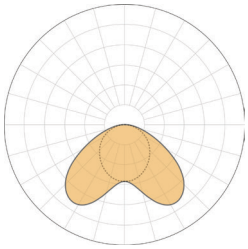
LM/FT	W/FT	LM/W
350	2.5	140
500	3.5	142.9
750	5.3	142.7
1000	7.1	140.8

DBW60: Batwing 60°



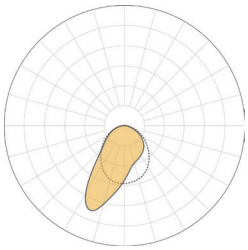
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

DDA70: Double Asymmetric 70°



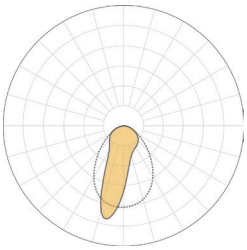
LM/FT	W/FT	LM/W
350	2.8	125
500	4.1	122
750	6.1	123
1000	8.1	123.5

DA5025: Asymmetric 50° at 25° Tilt



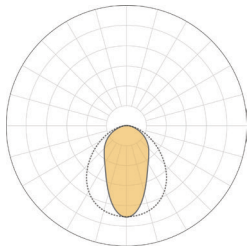
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

DA4005: Asymmetric 40° at 5° Tilt



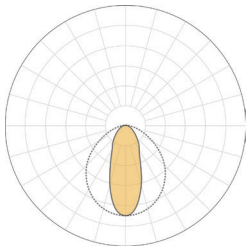
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

DM55: Medium 55°



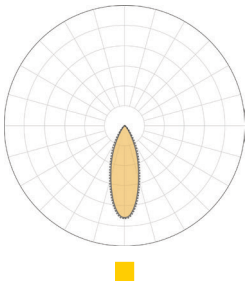
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

DN40: Narrow 40°



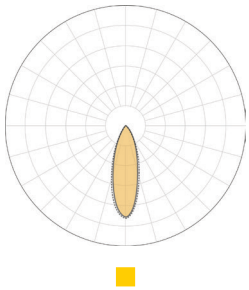
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

DS45: Nano Cavity Optic Spot 45°



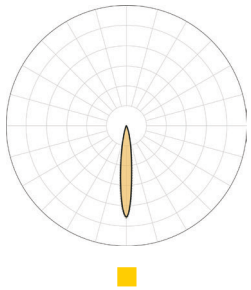
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6	83.3
750	9	83.3
1000	12	83.3

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

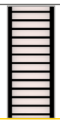
DS25: Nano Cavity Optic Spot 25°



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

OPTICS CONFIGURATIONS

				
Flush Lens	**Square Drop Lens**	**Nano Baffle**	**Square NCO**	**Round NCO**
White Flush Lens **OFL**	White Square Drop Lens **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**

POWER & CONTROLS

Voltage

Fixture Voltage (AC)
120–277 VAC
347 VAC, 50/60 Hz

Power Location
Remote

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 you projects needs.

Compatible Control Options

LUTRON® CASAMBI COOPER nLIGHT

TECHNICAL SPECIFICATIONS

Finishes & Design Options

Housing Colors (Matte Finish)
White (RAL9003)
Black (RAL9005)
Gray (RAL7001)
Custom RAL

Housing Material
6063-T5 extruded, recycled aluminum

Mounting Brackes
Sheet Metal

Flat End Cap Material
Machined or cast alumninum

Lens Options and Material
Flush, Nano Baffle, Square Drop 1/2", Square and Round Nano Cavity Optics (NCO) lens options with Patented SmartOptics® made from Acrylic (PMMA)

Standards & Certifications

Sustainability
Low carbon, environmentally conscious packaging and shipping methods

Compliance
BABAA & TAA compliant in-house manufacturing in Boston, MA with North American supply chain

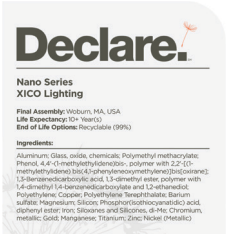
Certifications

Declare Listed and Red List Free
Low carbon, environmentally conscious packaging and shipping methods

Recyclable
SmartOptics and all powder coated and anodized parts are fully recyclable at end of life

Manufacturing
All XICO products and associated optics and LED engines are assembled at our factory in Woburn, MA

Quality Assurance
Each product is engineered reliability and quality assurance tested



Declare Listed

At Xico Lighting, we are committed to transparency and sustainability. That's why all our products are Declare listed, providing clear insights into their environmental footprint and safety. Look for these internationally recognized labels on Xico products, packaging, or at xicoled.com/declare.

Red List Free

Xico Lighting is dedicated to creating safe, sustainable solutions. All our products are Red List Free, meeting the highest industry standards for healthy and environmentally responsible materials as defined by the International Living Future Institute (ILFI). Learn more at xicoled.com/declare.

Quick Links

5-YR Warranty **Business Terms** **Patents & Trademarks** **SmartBeam** **Revit Files**