

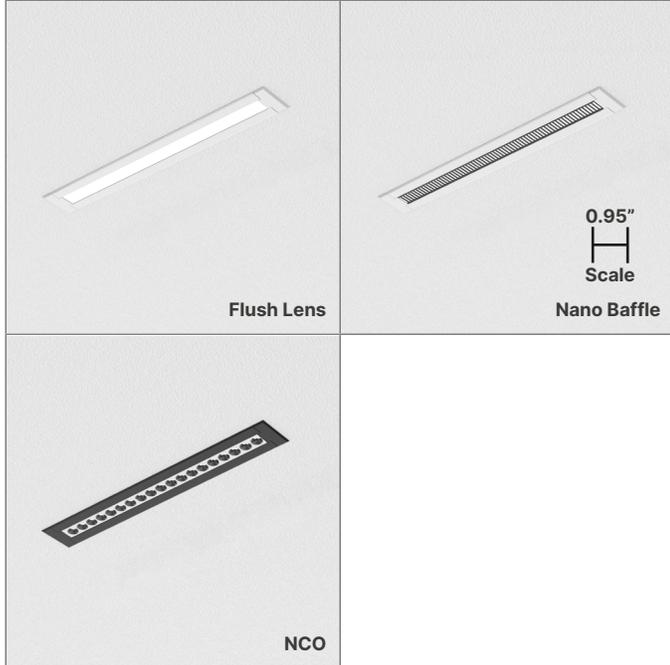
# NANOSlot Recessed

Direct | Standard Lengths



Project Name \_\_\_\_\_

Fixture Type \_\_\_\_\_



## DESCRIPTION

### 1" Compact Linear LED Drywall Mount

NANOSlot is 0.95" recessed slot LED linear light fixture, bringing SmartBeam® capabilities to a graphic scale that complements architectural space. NANOSlot has drywall and custom configuration mounting options for ceiling systems. The NANOSlot range is designed to be specification-grade with high lumen per foot, high CRI, and circadian options.

## 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

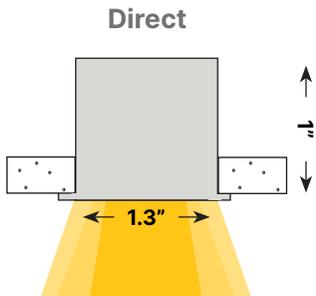
### Compliance

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
<b>NSL95-RD</b> 1" Linear LED Drywall Mount	<b>2</b> - 2 ft <b>4</b> - 4 ft <b>6</b> - 6 ft <b>8</b> - 8 ft <b>X_</b> - Specify Ft', In"	<b>Powder Coated</b> <b>PMW</b> - Matte White <b>PMB</b> - Matte Black <b>PMG</b> - Matte Gray <b>PRAL_</b> - Specify RAL #  <b>Anodized</b> <b>ACL</b> - Clear Anodized <b>ACU_</b> - Custom Anodized #
	Custom fixtures are available in 3" increments beyond standard lengths.	

### 2) LED LIGHT ENGINE

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

### 3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	DRIVER LOCATION	DRIVER (POWER) <sup>2</sup>
<b>UNV</b> - 120/277V <b>347</b> - 347V	<b>FMD</b> - Fixture Mounted Driver <b>RD</b> - Remote Driver	<b>FDND</b> - Factory Non-Dimming <b>FD00</b> - Factory 0-10V 0.1% Dim <b>FD01</b> - Factory 0-10V 1% Dim <b>FD10</b> - Factory 0-10V 10% Dim <b>FDDA</b> - Factory DALI 0.1% Dim <b>FDDX</b> - Factory DMX Dim <b>FDTR</b> - Factory TRIAC Dim <b>LD01</b> - Lutron Hi-Lume 1% Dim <b>X_</b> - Specify Driver

Footnotes: <sup>1</sup> Contact factory about custom beam options. <sup>2</sup> Standard driver box is included

## FIXTURE ORDERING

Project Name \_\_\_\_\_ Fixture Type \_\_\_\_\_

### 4) FIXTURE MOUNTING

#### MOUNTING TYPE

**DK** - Drywall Kit  
**X\_** - Specify Mounting Type

### OPTIONAL

#### EMERGENCY BACKUP

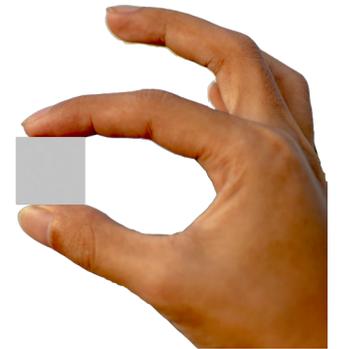
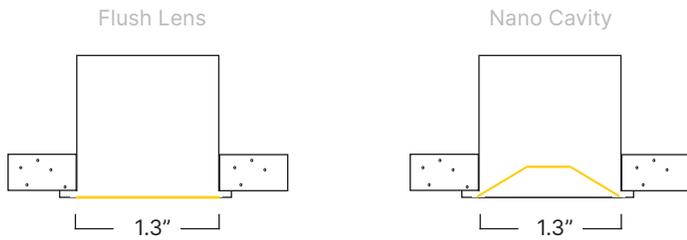
**EMC** - Emergency Circuit  
**EMB** - Emergency Battery  
 (10 W — Remote)  
**X\_** - Specify Backup  
 Specify requirements at time of order.

#### WIRELESS MODULE

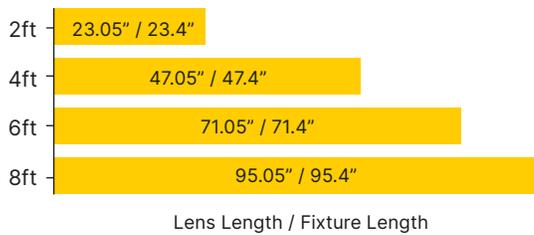
**WCN** - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box)  
**PIR** - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay < 10')  
**MW** - Wireless Communication Node + MW Sensor (Standard for Low Bay < 10')  
**X\_** - Other – Specify Embedded Component or Specific Non-Standard Sensor Detection Range

## DIMENSIONS & INSTALLATION

### Dimensions



### Standard Fixtures

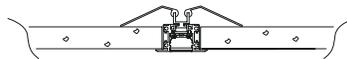


### Mounting Type

#### Drywall Mount

Installs onto a drywall surface. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

#### Mounting Option



**DK - Drywall Kit**

## SMARTBEAM® TECHNOLOGY

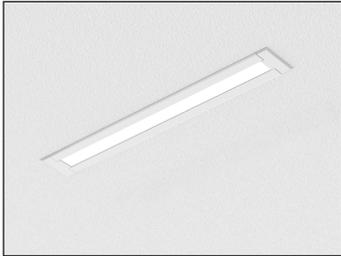
### The Ultimate Control of Lighting Distributions

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.

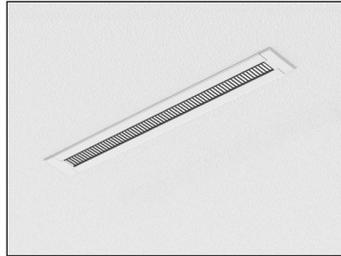
To learn more about our SmartBeam Technology, please click or scan the QR Code.



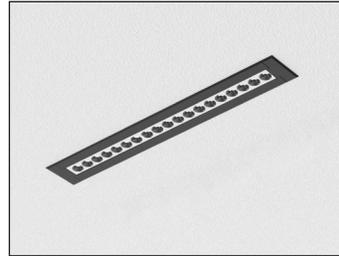
### Direct Optics Choices



FL - Flush Lens



NB - Nano Baffle



NCO - Nano Cavity Optics

DIRECT OPTICS	BEAM PATTERN									
	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40	DS45	DS35	DS25
Flush Lens	■	■	■	■	■	■	■			
Nano Baffle	■	■	■	■	■	■	■			
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

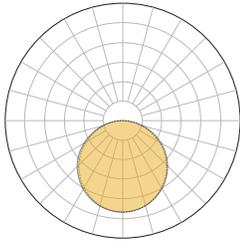
$$LM/W = \frac{\left( \begin{matrix} \text{DIRECT} \\ \text{LM/FT} \end{matrix} + \begin{matrix} \text{INDIRECT} \\ \text{LM/FT} \end{matrix} \right)}{\left( \begin{matrix} \text{DIRECT} \\ \text{W/FT} \end{matrix} + \begin{matrix} \text{INDIRECT} \\ \text{W/FT} \end{matrix} \right)}$$

## DIRECT PHOTOMETRICS

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

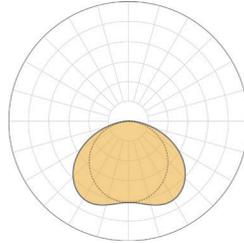
Static White Light

**DLAM:** Lambertian



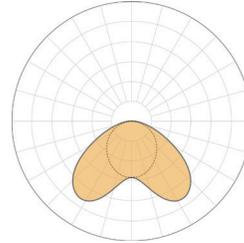
LM/FT	W/FT	LM/W
350	3.2	109.4
500	4.6	108.7
750	6.9	108.7
1000	9.2	108.7

**DBW60:** Batwing 60°



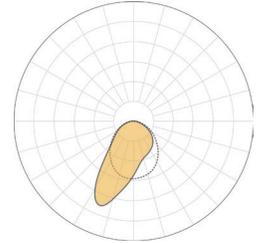
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

**DDA70:** Double Asymmetric 70°



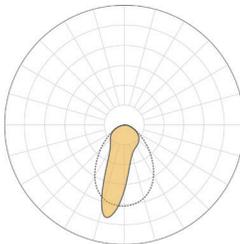
LM/FT	W/FT	LM/W
350	2.8	125
500	4.1	122
750	6.1	123
1000	8.1	123.5

**DA5025:** Asymmetric 50° at 25° Tilt



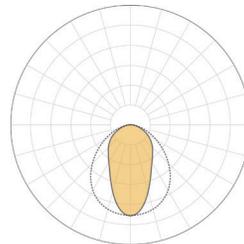
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

**DA4005:** Asymmetric 40° at 5° Tilt



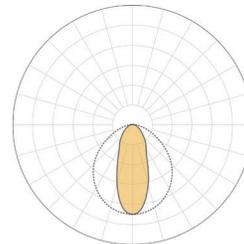
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

**DM55:** Medium 55°



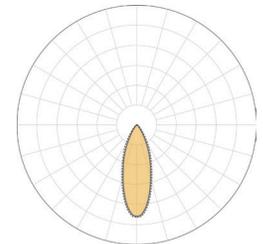
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

**DN40:** Narrow 40°



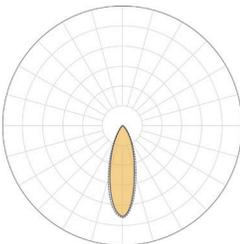
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

**DS45:** Nano Cavity Optic Spot 45°



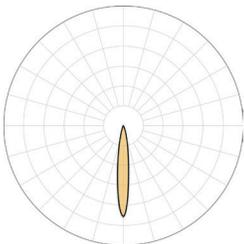
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6	83.3
750	9	83.3
1000	12	83.3

**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

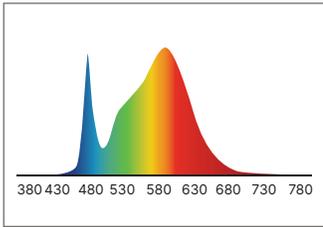
COMPATIBLE OPTIC		
FLUSH LENS	NANO BAFFLE	NCO

## OPTICS CONFIGURATIONS

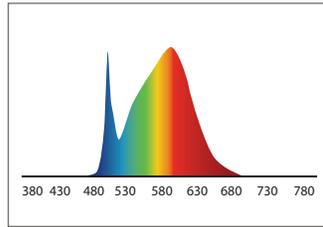
			
<b>Flush Lens</b>	<b>Nano Baffle</b>	<b>Square NCO</b>	<b>Round NCO</b>
White Flush Lens <b>OFL</b>	White Nano Baffle <b>ONBW</b>	White Square NCO <b>OSNCOW</b>	White Round NCO <b>ORNCOW</b>
	Black Nano Baffle <b>ONBB</b>	Black Square NCO <b>OSNCOB</b>	Black Round NCO <b>ORNCOB</b>
			Graphite Round NCO <b>ORNCOG</b>

## LED OPTIONS

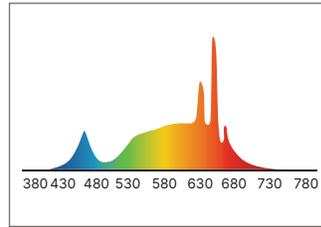
80: Standard 80+ CRI



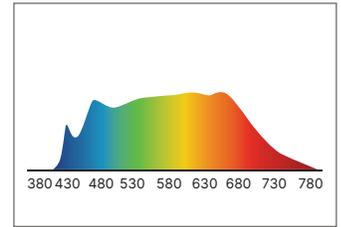
90: Standard 90+ CRI



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

Fixture Mounted or 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 your projects needs.

### Compatible Control Options



## TECHNICAL SPECIFICATIONS

### Finishes & Design Options

#### Housing Colors (Matte Finish)

- White (RAL9003)
- Black (RAL9005)
- Gray (RAL7001)
- Clear Anodized Effect
- Custom RAL



#### Housing Material

6063-T5 extruded, recycled aluminum

#### Mounting Brackets

Sheet Metal

#### Flat End Cap Material

Machined or cast aluminum

#### Lens Options and Material

Flush, Nano Baffle, 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

BAA & 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.

#### Nano Series

XICO Lighting  
 First Assembly: Woburn, MA, USA  
 Life Expectancy: 10+ Years  
 End of Life Option: Recyclable (99%)

#### Ingredients:

Aluminum, Glass, Oxide, chemicals, Polymethyl methacrylate, Phenol, 4,4'-O-methylthiobis(2,6-tert-butylphenol), 2,2'-(2,2,6,6-tetramethylpiperidine-1,1-diyl)bis(2,2,6,6-tetramethylpiperidine), 1,3-benzenedicarboxylic acid, 1,3-dimethyl imide polymer with 1,4-dimethyl (4-benzenedicarboxylic acid and 1,2-ethanedithiol), Polyethylene, Copper, Polyethylene Terephthalate, Barium Sulfate, Hexamers, Silicon, Phosphonotriethoxyacetic acid, diphenyl color iron, Silicones and Silicones, di-Mn, Chromium, metallic, Gold, Magnesium, Titanium, Zinc, Nickel, Phthalic

### 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](http://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](http://xicoled.com/declare).

### Quick Links

#### 5-YR Warranty



#### Business Terms



#### Patents & Trademarks



#### SmartBeam



#### Revit Files

