

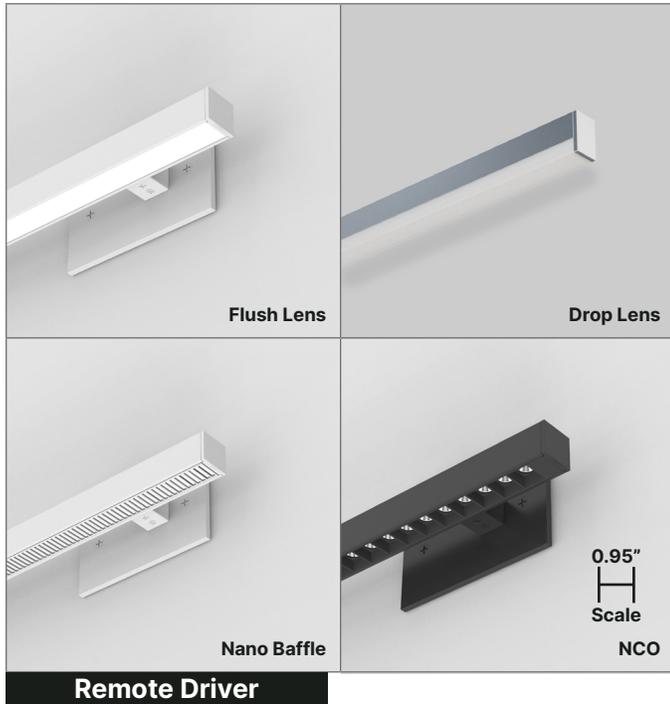
# NANOSquare Wall

Direct, Indirect, Direct / Indirect | Standard Lengths



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

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



## DESCRIPTION

### 0.95" Compact Linear LED Wall Mount

NANOSquare Wall is 0.95" square wall-mounted fixture, bringing SmartBeam® capabilities to a ultra-small graphic scale that complements any architectural space. NANOSquare Wall can be mounted flush to the wall or in a stand-off configuration with a choice of distance from the wall surface. NANOSquare wall features a specification-grade LED light engine providing a choice of CRI, CCT and lumen options. The fixture is powered by a remote driver 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, 8090/95+ 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

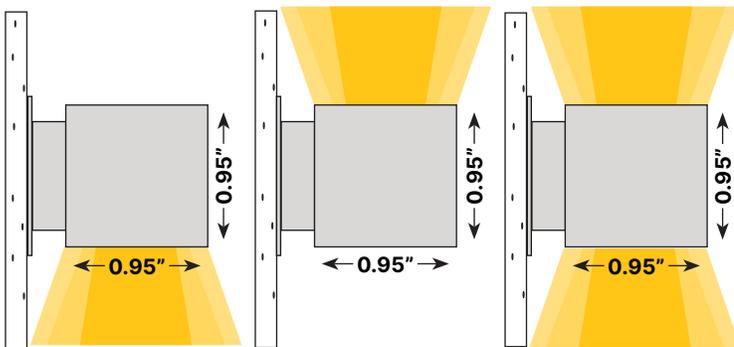
Standard 5-year warranty, 50,000 hours

## LIGHTING CONFIGURATIONS

Direct

Indirect

Direct / Indirect



Designed & Built in  
**BOSTON**

## FIXTURE ORDERING

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

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

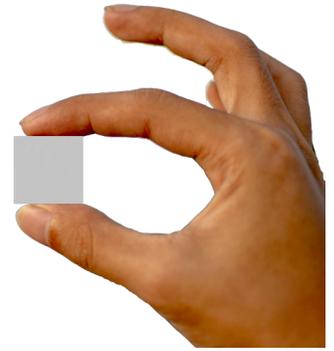
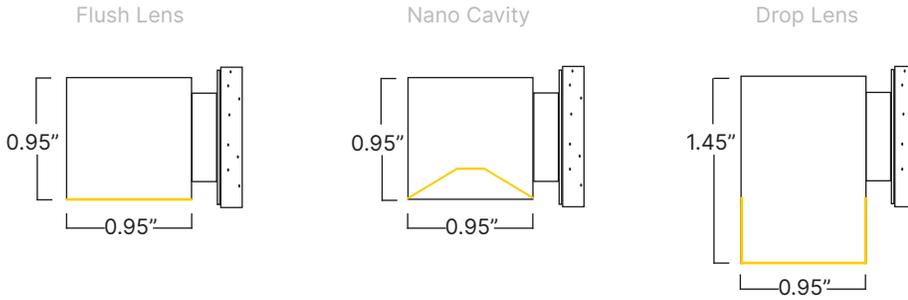
1) FIXTURE DESIGN				
PRODUCT	FIXTURE LENGTH	FINISH	END CAP STYLE	
<b>NSQ95-W</b> 0.95" Compact Linear LED Wall Mount	2 - 2 ft 4 - 4 ft 6 - 6 ft 8 - 8 ft X_ - Specify Ft', In"	<b>Powder Coated</b> <b>PMW</b> - Matte White <b>PMB</b> - Matte Black <b>PMG</b> - Matte Gray <b>PRAL_</b> - Specify RAL #  <b>Anodized</b> <b>ACL</b> - Clear Anodized <b>ACU_</b> - Custom Anodized #	<b>E1</b> - Flat End Cap	
	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>80</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>OSDL05</b> - Square Drop Lens 1/2"	<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>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
<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>DS45</b> - Nano Cavity Optics Spot 45° <b>DS35</b> - Nano Cavity Optics Spot 35° <b>DS25</b> - Nano Cavity Optics Spot 25°			
INDIRECT BEAM PATTERN	INDIRECT OUTPUT	CIRCUIT		
<b>NN</b> - Not Needed <b>ILAM</b> - Lambertian <b>IBW120</b> - Batwing120° <b>IFT150</b> - FlatTop 150° <b>IA6040</b> - Asym 60° at 40° Tilt <b>IA4560</b> - Asym 45° at 60° Tilt <b>X_</b> - Specify Beam <sup>1</sup>	<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	<b>1CH</b> - 1 Circuit (Standard) <b>2CH</b> - Bi-Directional 2 Circuit (Optional)		
3) FIXTURE POWER & CONTROLS				
LINE VOLTAGE (DC)	REMOTE DRIVER (POWER) <sup>2</sup>			
<b>UNV</b> - 120/277V <b>347</b> - 347V	<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		

4) FIXTURE MOUNTING & CONNECTIONS	
MOUNTING TYPE	MOUNTING KIT
<b>WM</b> - Wall Mount	<b>WM2W</b> - 2.8" White Stainless Steel Wall Mounting Plate <b>WM 2B</b> - 2.8" Black Stainless Steel Wall Mounting Plate

OPTIONAL	
EMERGENCY BACKUP	WIRELESS MODULE
<p><b>EMC</b> - Emergency Circuit  <b>EMB</b> - Emergency Battery (10 W — Remote)  <b>X_</b> - Specify Backup</p> <p>Specify requirements at time of order.</p>	<p><b>WCN</b> - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box)  <b>PIR</b> - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay &lt; 10')  <b>MW</b> - Wireless Communication Node + MW Sensor (Standard for Low Bay &lt; 10')  <b>X_</b> - 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

#### Wall Mount

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

### Mounting Kit

#### Wall Mounting Kit

2.8" Stainless Steel Wall Mounting Plate, White and Black

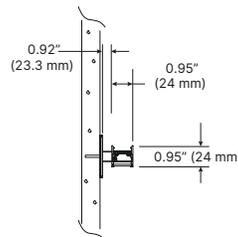
### Power Feed

#### Power Whip

12"

### Mounting Option

#### WM - Wall Mount



## SMARTBEAM® TECHNOLOGY

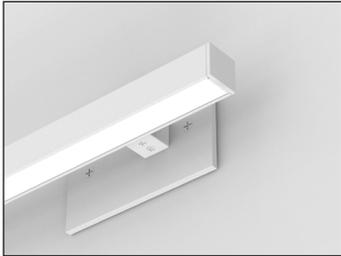
### The Ultimate Control of Lighting Distributions

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.

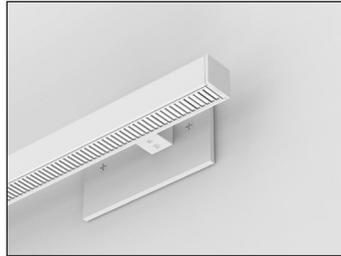
To learn more about our SmartBeam Technology, please click or scan the QR Code.



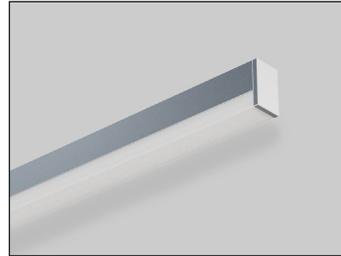
### Direct Optics Choices



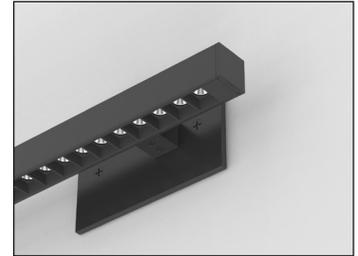
FL - Flush Lens



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

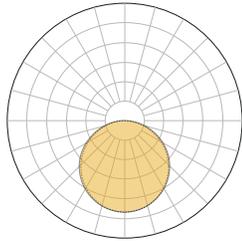
$$LM/W = \frac{\left( \begin{matrix} \text{DIRECT} \\ \text{LM/FT} \end{matrix} + \begin{matrix} \text{INDIRECT} \\ \text{LM/FT} \end{matrix} \right)}{\left( \begin{matrix} \text{DIRECT} \\ \text{W/FT} \end{matrix} + \begin{matrix} \text{INDIRECT} \\ \text{W/FT} \end{matrix} \right)}$$

## DIRECT PHOTOMETRICS

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

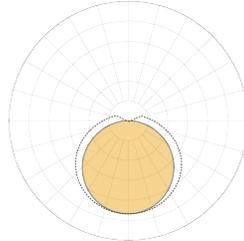
Static White Light

**DLAM:** Lambertian



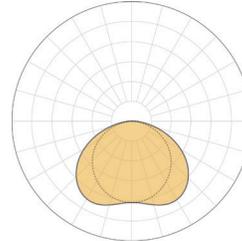
LM/FT	W/FT	LM/W
350	3.2	109.4
500	4.6	108.7
750	6.9	108.7
1000	9.2	108.7

**DLAM:** Lambertian w/ 1/2" Drop Lens



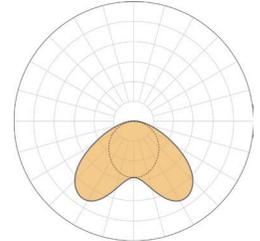
LM/FT	W/FT	LM/W
350	2.5	140
500	3.5	142.9
750	5.3	142.7
1000	7.1	140.8

**DBW60:** Batwing 60°



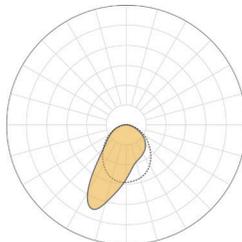
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

**DDA70:** Double Asymmetric 70°



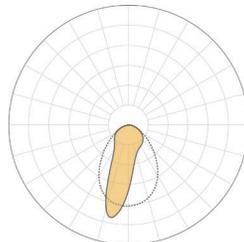
LM/FT	W/FT	LM/W
350	2.8	125
500	4.1	122
750	6.1	123
1000	8.1	123.5

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



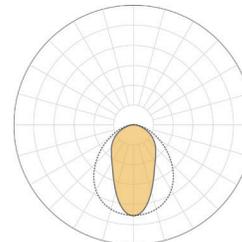
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

**DA4005:** Asymmetric 40° at 5° Tilt



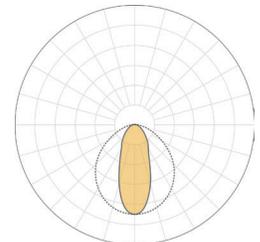
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

**DM55:** Medium 55°



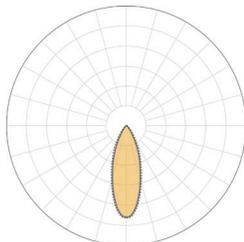
LM/FT	W/FT	LM/W
350	2.8	125
500	3.9	128.2
750	5.9	127.1
1000	7.9	126.6

**DN40:** Narrow 40°



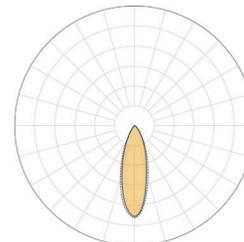
LM/FT	W/FT	LM/W
350	2.8	123
500	4	125
750	6	125
1000	8	125

**DS45:** Nano Cavity Optic Spot 45°



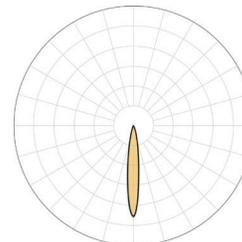
LM/FT	W/FT	LM/W
350	4.2	83.3
500	6	83.3
750	9	83.3
1000	12	83.3

**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

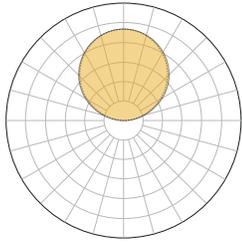
COMPATIBLE OPTIC	
FLUSH LENS	NANO BAFFLE
DROP LENS	NCO

## INDIRECT PHOTOMETRICS

Static White Light

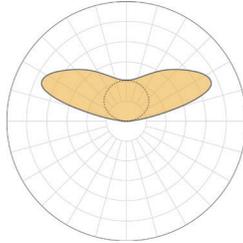
48" Length, 80+/3500K CRI/CCT, 4,000 Lumens

**ILAM:** Lambertian



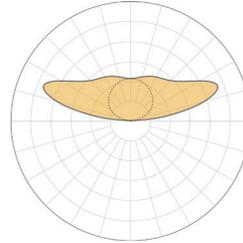
LM/FT	W/FT	LM/W
350	3.3	106.1
500	4.7	106.4
750	7.1	105.6
1000	9.5	105.3

**IBW120:** Batwing 120°



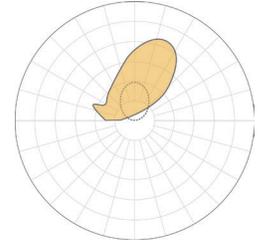
LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

**IFT150:** FlatTop 150°



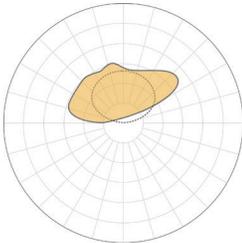
LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

**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



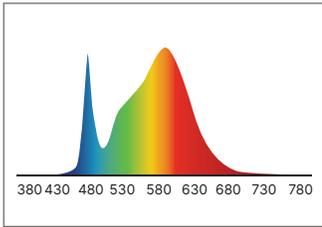
LM/FT	W/FT	LM/W
350	2.2	159
500	3.1	161.2
750	4.7	160
1000	6.3	158.7

## OPTICS CONFIGURATIONS

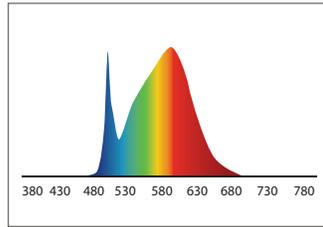
				
<b>Flush Lens</b>	<b>Square Drop Lens 1/2"</b>	<b>Nano Baffle</b>	<b>Square NCO</b>	<b>Round NCO</b>
White Flush Lens <b>OFL</b>	White Square Drop Lens 1/2" <b>OSDL05</b>	White Nano Baffle <b>ONBW</b>	White Square NCO <b>OSNCOW</b>	White Round NCO <b>ORNCOW</b>
		Black Nano Baffle <b>ONBB</b>	Black Square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

## LED OPTIONS

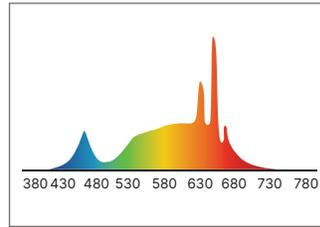
**80: Standard 80+ CRI**



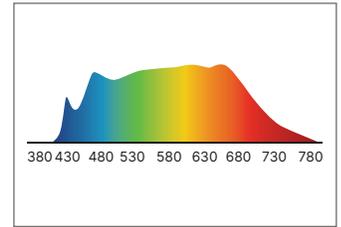
**90: Standard 90+ CRI**



**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

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)  
 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 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.

#### 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-dimethylphenol), 2,2'-bis[4-(4-hydroxyphenyl)phenyl]propane, 1,3-bis(phenoxymethyl)propane, 1,3-bis(phenoxymethyl)butane, 1,3-bis(phenoxymethyl)pentane, 1,3-bis(phenoxymethyl)hexane, 1,3-bis(phenoxymethyl)heptane, 1,3-bis(phenoxymethyl)octane, 1,3-bis(phenoxymethyl)nonane, 1,3-bis(phenoxymethyl)decane, 1,3-bis(phenoxymethyl)undecane, 1,3-bis(phenoxymethyl)dodecane, Polyethylene Glycol, Polyethylene Glycol Dimethyl Ether, Barium Sulfate, Hexamethylenediamine, Phosphoric acid, Diphenyl ether, Iron, Siloxane and Siloxane, di-Mn, Chromium, metallic, Gold, Magnesium, Titanium, Zinc, Nickel, Plastic.

### 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

