

NANORail95

Direct | Standard Lengths



Project Name _____

Fixture Type _____



Remote Driver

DESCRIPTION

0.95" x 0.375" Low-Profile Ultra-Narrow Linear LED

The NANORail is the industry's smallest linear, high performance and slim indirect luminaire for cove, undercabinet and hidden accent lighting. NANORail is based on patented Cosine optics and Flatlens technology and provides a choice of lambertian, symmetric and asymmetric light distributions with an overall optical efficiency of over 90%.

FEATURES & BENEFITS

Ultra-Narrow (0.95") with Exceptional Performance

0.95" x 0.375" form delivering up to 1,000 lm/ft, at >150 lm/W

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 65000K 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

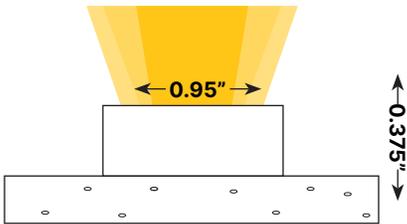
UL Listed, Dry and Damp Locations

5-Year Warranty

Standard 5-year warranty, 50,000 hours

LIGHTING CONFIGURATIONS

Direct



FIXTURE ORDERING

Project Name _____

Fixture Type _____

1) FIXTURE DESIGN

PRODUCT	FIXTURE LENGTH	FINISH	DAISY CHAIN
NRA95 0.95" Low-Profile Linear LED Rail	1 - 1 ft 2 - 2 ft 3 - 3 ft 4 - 4 ft X_ - Specify Ft', In"	Powder Coated PMW - Matte White PMB - Matte Black PMG - Matte Gray PRAL_ - Specify RAL #	DN - No: Daisy Chain (Single Input) DY - Yes: Daisy Chain
	Custom fixtures are available in 3" increments beyond standard lengths. Maximum length 10'.	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.	FL	DLAM - Lambertian DBW60 - Batwing 60° DM50 - Medium 50° 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
		Flat Lens Optics		
		CO	DLAM - Lambertian DBW120 - Batwing 120° DFT150 - Flattop 150° DA4560 - Asym 45° at 60° Tilt DA6040 - Asym 60° at 40° Tilt	
		Cosine[®] Optics		
		DO	DLAM - Lambertian	
		Dome Lens Optics		

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

NMH - No Mounting Hardware
SMR - Surface Mount Rail
SMC - Surface Mount Clip
SMM - Surface Mount Magnet

OPTIONAL

EMERGENCY BACKUP

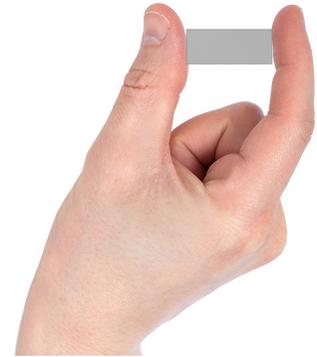
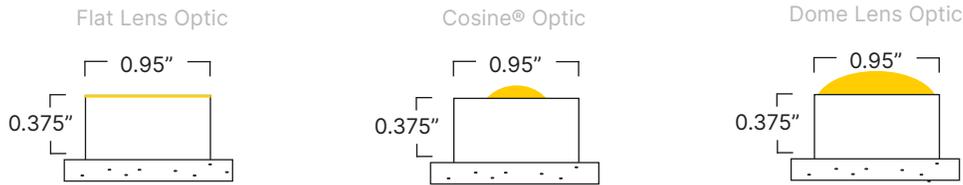
EMC - Emergency Circuit
EMB - Emergency Battery
 (10 W — Remote)
X_ - Specify Backup
 Specify requirements at time of order.

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



Lens Length / Fixture Length

Mounting Type

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 Options



SMARTBEAM® TECHNOLOGY

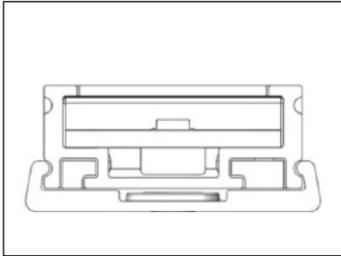
The Ultimate Control of Lighting Distributions

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.

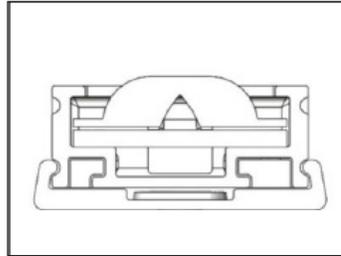
To learn more about our SmartBeam Technology, please click or scan the QR Code.



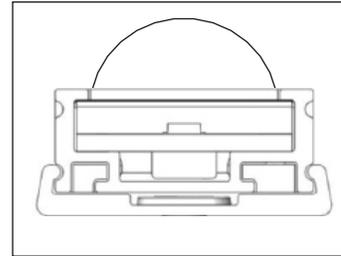
Direct Optics Choices



FL - Flat Lens



CO - Cosine® Optic



DL - Dome Lens

DIRECT OPTICS	BEAM PATTERN						
	DLAM	DBW60	DM50	DBW120	DFT150	DA6040	DA4560
Flat Lens	■	■	■				
Cosine® Optic	■			■	■	■	■
Dome Lens	■						

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						
	LAM	BW60	M50	BW120	FT150	A6040	A4560
LM/W	150	150	150	150	150	150	150

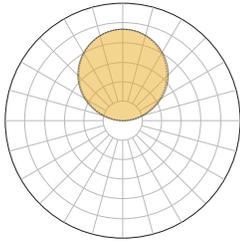
$$LM/W = \frac{\left(\begin{matrix} \text{DIRECT} \\ \text{LM/FT} \end{matrix} + \begin{matrix} \text{INDIRECT} \\ \text{LM/FT} \end{matrix} \right)}{\left(\begin{matrix} \text{DIRECT} \\ \text{W/FT} \end{matrix} + \begin{matrix} \text{INDIRECT} \\ \text{W/FT} \end{matrix} \right)}$$

PHOTOMETRICS

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

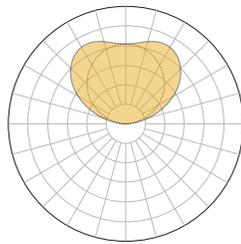
Static White Light

DLAM: Lambertian



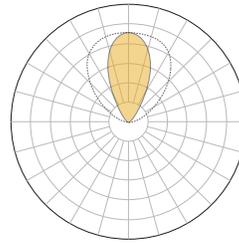
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DBW60: Batwing 60°



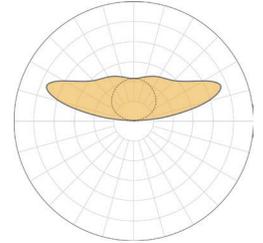
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DM50: Medium 50°



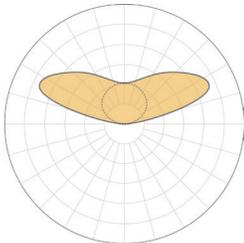
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DFT150: Flattop 150°



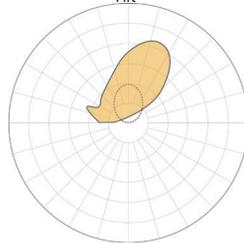
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DBW120



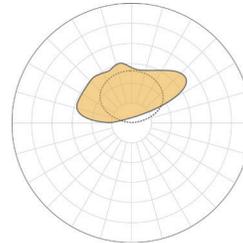
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DA6040: Asymmetric 60° at 40° Tilt°



LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

DA4560: Asymmetric 45° at 60° Tilt°



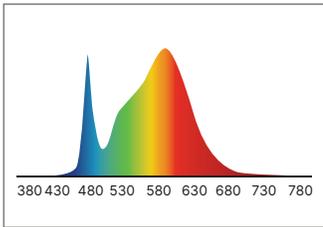
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.4	150
750	5.1	147.1
1000	6.8	147.1

COMPATIBLE OPTIC

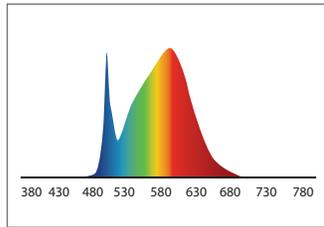
FLAT LENS	COSINE® OPTIC	DOME LENS

LED OPTIONS

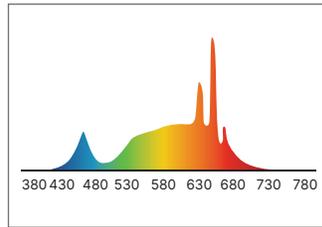
80: Standard 80+ CRI



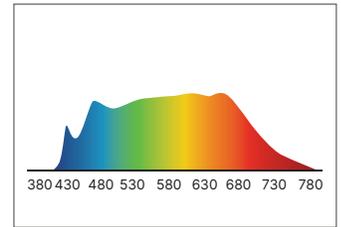
90: Standard 90+ CRI



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



