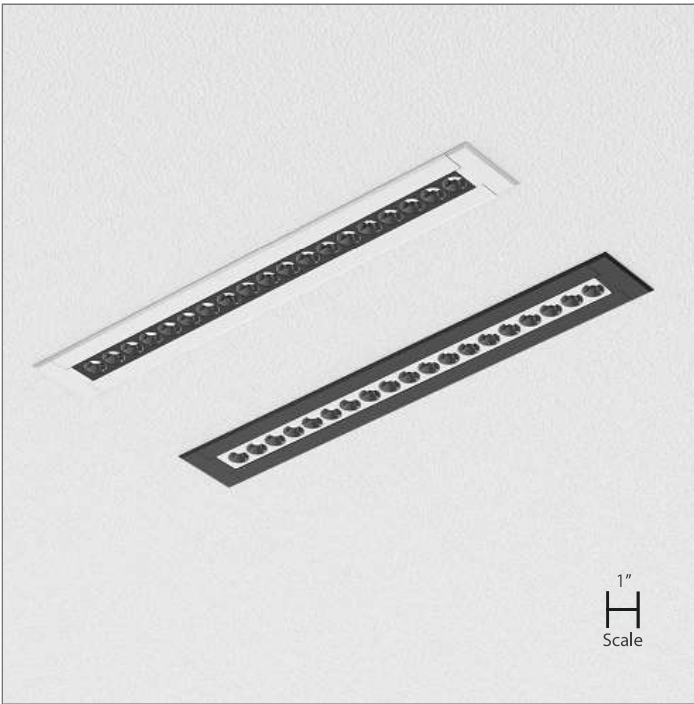


NANOSlot NCO Recessed

1" Compact Linear LED Drywall Mount



Fixture Mounted or Remote Driver

Features & Benefits

Exceptional Light in Small Form
UGR<19 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 5000K 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

1) FIXTURE DESIGN

Fixture Type

PRODUCT	LENGTH	FIXTURE FINISH	NANO CAVITY OPTICS (NCO) FINISH
NSLNCO-RD			
1" Linear LED Drywall Mount	2FT 2ft Nominal 4FT 4ft Nominal 6FT 6ft Nominal 8FT 8ft Nominal 10FT 10ft Nominal X_ Specify X; Y"	MWH Matte White (RAL9003) MBK Matte Black (RAL9005) MGR Matte Gray (RAL7001) CAE Clear Anodized Effect RAL_ Specify RAL#	OSQNCOWH Square NCO, White OSQNCOBK Square NCO, Black ORNCOWH Round NCO, White ORNCOBK Round NCO, Black

2) LED LIGHT ENGINE

CRI	CCT	DIRECT BEAM PATTERN	DIRECT OUTPUT
S80 Std. 80 CRI	22 2200K	DNCO45 Nano Cavity Optics 45°	35 350 lm/ft
S90 Std. 90 CRI	27 2700K	DNCO35 Nano Cavity Optics 35°	50 500 lm/ft
HE80 High-Eff. 80 CRI	30 3000K	DNCO25 Nano Cavity Optics 25°	75 750 lm/ft
HE90 High-Eff. 90 CRI	35 3500K	X_ Specify Beam	100 1,000 lm/ft
HD95 High-Def. 95 CRI	40 4000K		X_ Specify lm/ft
SUN Full SunLike	50 5000K		
SBIOS Static BIOS	3022D 3000K to 2200K Dim-to-Warm		
DBIOS Dynamic BIOS	3527D 3500K to 2700K Dim-to-Warm		
TBIOS Tunable White BIOS	X_ Specify CCT		

3) FIXTURE POWER & CONTROLS

LINE VOLTAGE (DC)	DRIVER LOCATION	DRIVER (POWER)	REMOTE DRIVER BOX ¹	EMERGENCY BACKUP	CONTROL SYSTEM ³
UNV 120/277V	FMD Fixture Mounted Driver	FDND Factory Non-Dimming	NN Not Needed	NN Not Needed	NN Not Needed
347 347V	RD Remote Driver	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 LD05 Lutron 5-Series 5% Dim ED00 eldoLED 0-10V 0.1% Dim ED01 eldoLED 0-10V 1% Dim EDDA eldoLED DALI 0.1% Dim X_ Specify Driver	RLDB² Remote Linear Driver Box (driver included by default) RX2D² Optional Remote XBox2 Driver, Up to 2 Drivers RX3D² Optional Remote XBox3 Driver, Up to 3 Drivers RX5D² Optional Remote XBox5 Driver, Up to 5 Drivers	EMC Emergency Circuit EMB Emergency Battery (10 W — Onboard or Remote) X_ Specify Backup	LUT Lutron COO Cooper CAS Casambi X_ Specify Control System

4) FIXTURE MOUNTING & CONNECTIONS

POWER CORD

S24WH 24" White Cable Kit
S24BK 24" Black Cable Kit

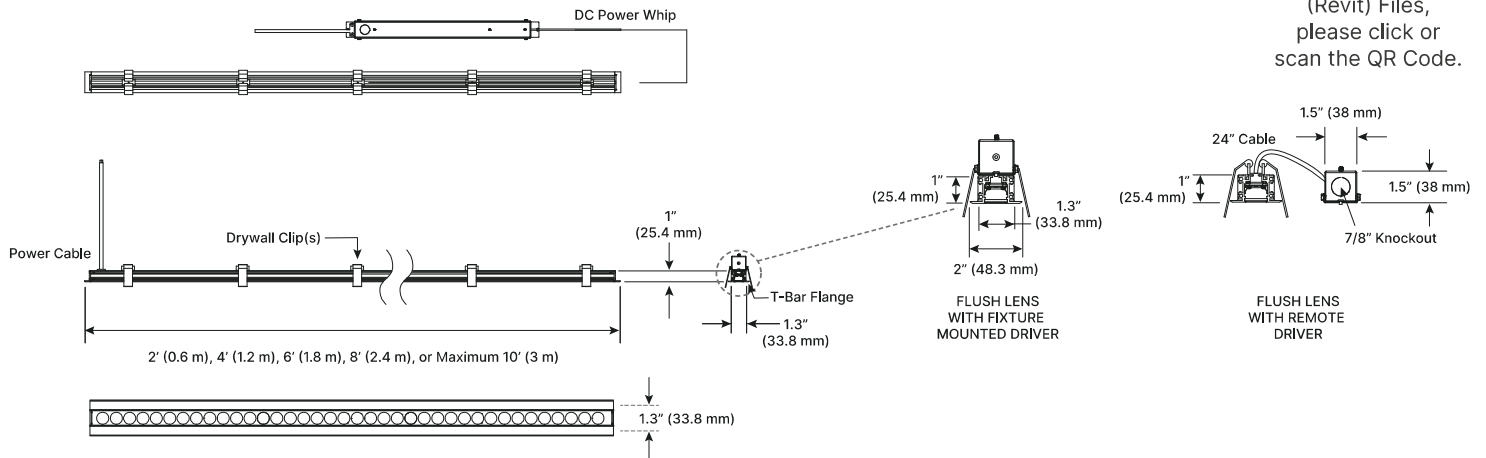
Footnotes: ¹ Remote distance is dependent on driver type, up to 100' (30.5 m). ² Creates a clean and organized power solution for multiple fixture installations.
³ The control system and driver must be compatible.

FIXTURE DESIGN

Dimensions



To download BIM (Revit) Files, please click or scan the QR Code.



Length

Length Options 2', 4', 6', 8', 10' nominal, or custom within 3"

Finish

Housing Colors (Powder Coated)



White (RAL9003)



Black (RAL9005)



Gray (RAL7001)



Clear Anodized Effect



Custom RAL

Housing Material 6063-T5 extruded, recycled aluminum

Mounting Brackets Sheet metal

Optic

Lens Options Square and Round Nano Cavity Optics

Lens Material Patented SmartOptics® made from Acrylic (PMMA)

Voltage

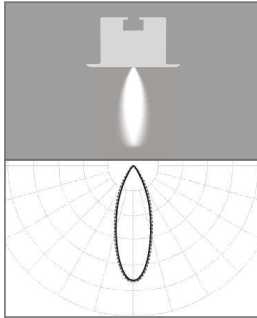
Fixture Voltage (AC) 120-277 VAC and 347 VAC, 50/60 Hz

OPTIC	BEAM PATTERN		
	DNCO45	DNCO35	DNCO25
Nano Cavity Optics (NCO)	●	●	●

DIRECT PHOTOMETRICS (cont.)

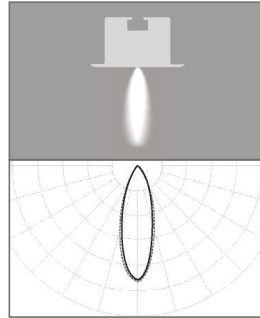
Static White Light

DNCO45: Nano Cavity Optic 45°



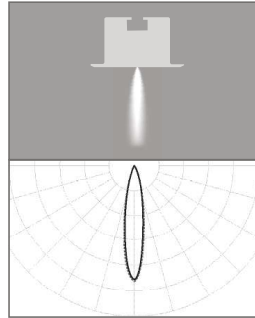
Length 48"
 LED HE80
 CRI/CCT 80+/3500K
 Lumens 3,000
 lm/ft 750
 Watts 37
 W/ft 9
 LPW 82

DNCO35: Nano Cavity Optic 35°



Length 48"
 LED HE80
 CRI/CCT 80+/3500K
 Lumens 3,000
 lm/ft 749
 Watts 37
 W/ft 9
 LPW 82

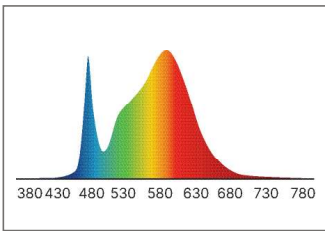
DNCO25: Nano Cavity Optic 25°



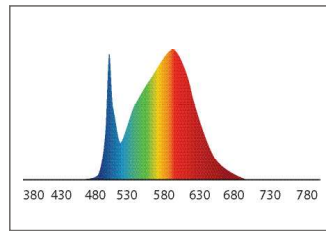
Length 48"
 LED HE80
 CRI/CCT 80+/3500K
 Lumens 3,000
 lm/ft 750
 Watts 37
 W/ft 9
 LPW 82

LED SELECTION GUIDE

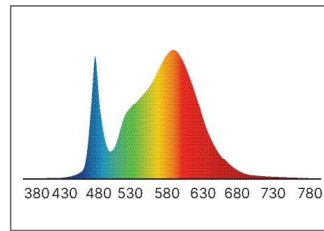
S80: Standard 80+ CRI



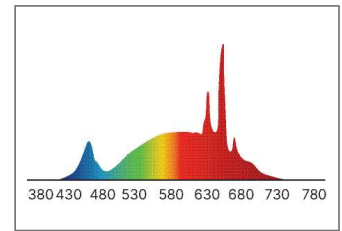
S90: Standard 90+ CRI



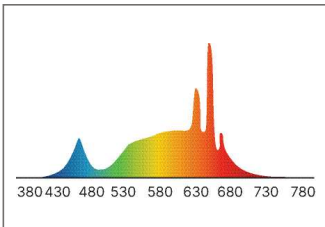
HE80: High-Efficiency 80+ CRI



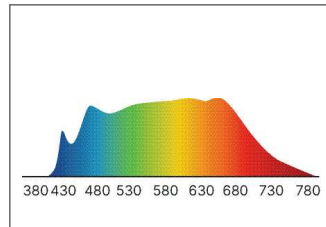
HE90: High-Efficiency 90+ CRI



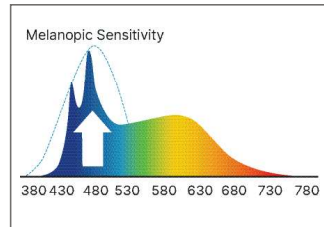
HD95: High-Definition 95+ CRI



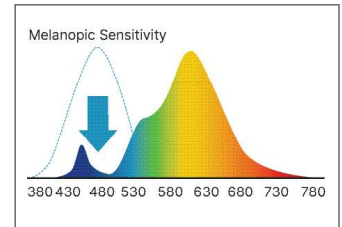
SUN: Full Spectrum "SunLike"



HCD: Human Centric Day



HCN: Human Centric Night



Static White Light (LED Light Engine Only)

CODE	DESCRIPTION	TYPICAL LED DATA							
		CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	M/P Ratio	LPW
S80	Standard 80 CRI	3500K	82.5	7.8	84	96.7	82.5	0.51	190
S90	Standard 90 CRI	3500K	91	54.3	89.3	98.9	89.2	0.55	175
HE80	High Efficiency 80 CRI	3500K	82.1	5.9	83	94.2	81.2	0.52	210
HE90	High Efficiency 90 CRI	3500K	92.2	90	90.7	103.8	92.1	0.56	190
HD95	High Definition 95 CRI	3500K	97.1	95	-	-	-	0.70	163
SUN	Full Spectrum SunLike®	3500K	95	85	-	-	-	-	130
HCD	Human Centric Day	4000K	83	95	-	-	-	0.92	155
HCN	Human Centric Night	2700K	80	-	-	-	-	0.44	134

LPW Efficacy Conversion Chart

CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
S80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
S90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
HE80	-	0.96	0.99	1.00	1.03	1.04	1.03	1.03
HE90	-	0.91	0.96	1.00	1.04	1.11	N/A	N/A
HD95	-	0.91	0.96	1.00	1.04	1.11	1.03	1.04
SUN95	-	0.90	0.92	1.00	1.01	1.07	1.04	1.05
HCD	-	N/A	0.96	1.00	1.04	1.04	1.04	1.04
HCN	-	0.87	0.96	1.00	1.04	N/A	N/A	N/A

BIOS TECHNOLOGY

Choosing Your BIOS Solution

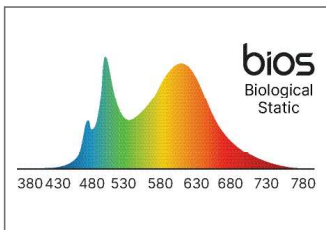
BIOS is offered in four Circadian LED Solutions with BIOS SkyBlue Technology — Biological Static, Biological Dynamic, Biological Tunable, and Biological Dim-to-Warm. BIOS SkyBlue™ Technology includes a blue peak at 490nm that provides an effective daytime circadian signal using standard architectural color temperatures.



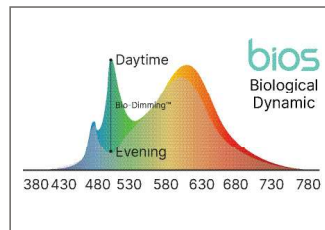
To learn more about BIOS Technology, please click or scan the QR Code.



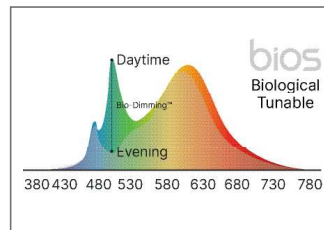
BIOS Static



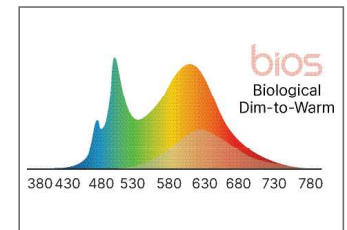
BIOS Dynamic



BIOS Tunable



BIOS Dim-to-Warm



Daytime
No color change when dimmed

Spaces that operate during daytime hours — 7am and 7pm

Daytime & Evening
500K shift when dimmed

Spaces that operate overnight — after 7pm and before 7am

Daytime & Evening
Dims to 2700K

Spaces that operate with overnight shifts — after 7pm and before 7am

Daytime & Evening
Dims from cool to warm

Spaces where people sleep — after 7pm and before 7am

Circadian and Human Centric Light

CODE	DESCRIPTION	BIO-DIMMING MODULE TECHNOLOGY GUIDE					
		Driver	Driver Voltage	CCT	Requires BIO-Dimming Module	Lighting Control	BIOS SkyBlue (490nm)
SBIOS	BIOS Static	DIM1	0-10V Dimming to 1% Dim-to-Dark	No CCT Change	No	Intensity Dimming Control Only	Always Present
DBIOS	BIOS Dynamic	BIODIM1	0-10V Intensity Dimming to 1% Dim-to-Dark	500K Shift	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DBIOS-2	BIOS Dynamic (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
TBIOS	BIOS Tunable	ATW / DTW	0-10V Control of Intensity & CCT on Separate 2 Channels / DALI Control of Intensity & CCT on Separate 2 Channels	Dims to 2700K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
TBIOS-2	BIOS Tunable (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum Channel"
DWBIOS	BIOS Dim-to-Warm	-	-	Dims to 2200K	Yes	Intensity Dimming & Spectrum Change Controlled Together	Removed with BIO-Dimming
DWBIOS-2	BIOS Dim-to-Warm (Two Channel)				No	Intensity Dimming & Spectrum Change Controlled Separately	Removed by Adjusting "Spectrum 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.



FIXTURE POWER & CONTROLS

Voltage

LED Driver Factory Selected, 36–39V Constant Current

Emergency Backup

Backup Types Emergency Circuit, Emergency Battery Onboard or Remote, and other emergency backups are available

Wiring Typically the Emergency Backup is wired to 48” sections

Power 10 W

Illumination Time 90 minutes

Partners



Control Systems

Drivers (Remote Drivers Sold Separately)

Other Factory Non-Dimming, Factory 0–10V 1% Dim, Factory 0–10V 10% Dim, Factory DALI 0.1% Dim, Factory DMX Dim, Factory TRIAC Dim, eldoLED 0–10V 0.1% Dim, eldoLED 0–10V 1% Dim, eldoLED DALI 0.1% Dim, and other drivers are available, consult factory (not all integral)

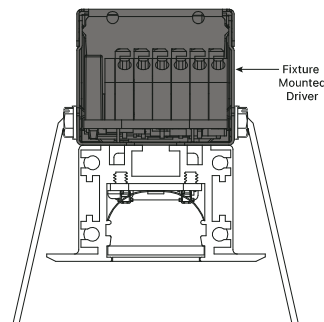
Lutron Hi-Lume 1% Dimming and 5-Series 5% Dimming

Cooper Compatible driver

Casambi (wireless) Compatible driver

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.



Fixture Mounted Drivers mount on top of the fixture. They provide 0–10V, DALI, DMX, and TRIAC dimming. Also compatible with Cooper and other common building control systems, including PoE and wireless.

