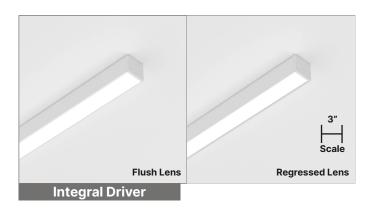
# PROSquare3 Surface

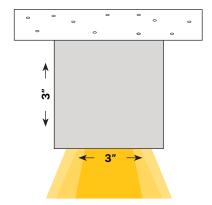
Direct | Standard Lengths

Project Name



# LIGHTING CONFIGURATIONS

#### **Direct**





Fixture Type

#### **DESCRIPTION**

3" High-Performance Linear LED Surface Mount

PROSquare3 Surface brings SmartBeam® capabilities to a 3" form factor with an integral driver providing best-in-class efficiency and beam control options. The PROSquare3 Surface is designed to be specification grade with a wide range of beam options, high CRI, and circadian options. The 3" aperture delivers comfortable illumination in a wide range of beam distributions while achieving high efficacy, and energy-saving performance. PROSquare3 Surface offers a range of accessories, mounting options, and finishes that provide an easy route to customization and performance enhancements.

#### **FEATURES & BENEFITS**

**Exceptional Performance** 

Up to 1,500 lm/ft, 150 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



















# **FIXTURE ORDERING**

Project Name Fixture Type

1) FIXTURE DESIGN	N			
PRODUCT	FIXTURE LENGTH	FINISH	END CAP STYLE	
PSQ3-S				
3" High-Performance Linear LED Surface Mount	2 - 2 ft 4 - 4 ft 6 - 6 ft 8 - 8 ft X Specify Ft', In"	Powder Coated PMW - Matte White PMB - Matte Black PMG - Matte Gray PRAL Specify RAL #	E1 - Flat End Cap	
	Custom fixtures are available in 3" increments beyond standard lengths.	Anodized ACL - Clear Anodized ACU Custom Anodized #		
2) LED LIGHT ENG	INE			
CRI	сст	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 XT - Tunable	OFL - Flush Lens ORL - Regressed Lens OCRL - Continuous Regressed Lens¹	DLAM - Lambertian DBW60 - Batwing 60° DDA70 - Double Asym 70° DA5025 - Asym 50° at 25° Tilt DA4005 - Asym 40° at 5° Tilt DM55 - Medium 55°	35 - 350 lm/ft 50 - 500 lm/ft 75 - 750 lm/ft 100 - 1,000 lm/ft X Specify lm/ft

# 3) FIXTURE POWER & CONTROLS

**X\_** - Specify CCT

Specify Dim-to-Warm and Tunable between 2700K-6500K.

LINE VOLTAGE (DC)	INTEGRAL DRIVER (POWER) <sup>3</sup>	
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: <sup>1</sup> Continuous Regressed Lens ships on a roll for seamless lens installation. <sup>2</sup> Contact factory about custom beam options. <sup>3</sup> Standard driver box is included

# 4) FIXTURE MOUNTING & CONNECTIONS

MOUNTING TYPE	POWER CORD	MOUNTING KIT
SC1 - Surface Mount Clip TC1 - 9/16" Flat T-Bar Mount TC2 - 9/16" Bolt Slot T-Bar Mount TC3 - 15/16" Flat T-Bar Mount	P24W - 24" White Cable Kit P24B - 24" Black Cable Kit	SSMB - Stainless Steel Surface Mounting Bracket
TC1, TC2 and TC3 clips directly to grid t-bar.		

XICO.

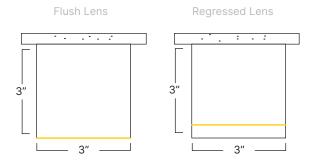
DN40 - Narrow 40°

X\_ - Specify Beam<sup>2</sup>

OPTIONAL	
EMERGENCY BACKUP	WIRELESS MODULE
EMC - Emergency Circuit	WCN - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box)
EMB - Emergency Battery (10 W — Remote)	PIR - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay < 10')
X Specify Backup	MW - Wireless Communication Node + MW Sensor (Standard for Low Bay < 10')
Specify requirements at time of order.	X Other – Specify Embedded Component or Specific Non-Standard Sensor Detection Range

# **DIMENSIONS & INSTALLATION**

#### **Dimensions**





#### **Standard Fixtures**



Lens Length / Fixture Length

# **Mounting Type**

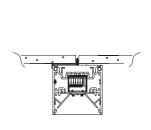
**T-Bar Mount** 

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.

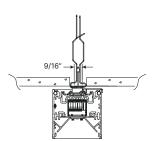
**Surface Mount** 

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

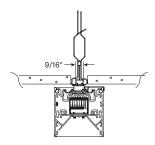
# **Mounting Type**



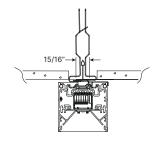
**SC1 - Surface Mount Clip** 



T1 - 9/16" Flat T-Bar Mount



T2 - 9/16" Bolt Slot T-Bar Mount



T3 - 15/16" Flat T-Bar Mount

# **SMARTBEAM® TECHNOLOGY**

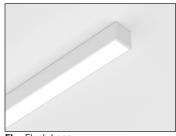
# **The Ultimate Control of Lighting Distributions**

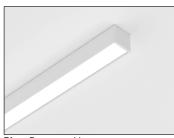
SmartBeam makes it easy to specify the exact light required for any architectural space. Available in every XICO product; it is now possible to create truly tailored and engaging lighting that transform spaces, improves visual comfort, and saves energy.

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



# **Direct Optics Choices**





FL - Flush Lens

RL - Regressed Lens

	BEAM PATTERN						
DIRECT OPTICS	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40
Flush Lens							
Regressed Lens							

# **LPW Efficacy Conversion Chart**

	CCT SELECTED							
CODE	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
LM/W	142	145	138	143	139	137	136

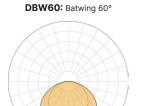
$$LM/W = \begin{pmatrix} & DIRECT \\ LM/FT & + & LM/FT \\ \hline & & & \\ &$$

# **DIRECT PHOTOMETRICS**

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

# DLAM: Lambertian

LM/FT	W/FT	LM/W
350	2.5	140
500	3.5	143
750	5.3	142
1000	7.0	143



LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.5	143
750	5.2	145
1000	6.9	144.9

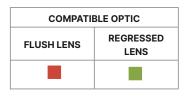
# DDA70: Double Asymmetric 70°

LM/FT	W/FT	LM/W
350	2.5	140
500	3.6	138.9
750	5.4	138
1000	7.2	138.9

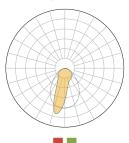
# **Static White Light**



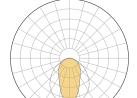
LM/FT	W/FT	LM/W
350	2.4	145.8
500	3.5	142.9
750	5.2	143
1000	6.9	144.9



DA4005: Asymmetric 4	.0° at	5°	Tilt
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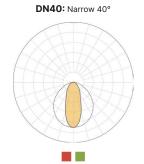


LM/FT	W/FT	LM/W
350	2.5	140
500	3.6	138.9
750	5.4	139
1000	7.2	138.9



DM55: Medium 55°

W/FT	LM/W
2.6	134.6
3.7	135.1
5.5	137
7.3	137
	2.6 3.7 5.5



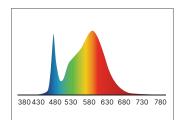
LM/FT	W/FT	LM/W
350	2.6	134.6
500	3.7	135.1
750	5.5	136
1000	7.3	137

# **OPTICS CONFIGURATIONS**

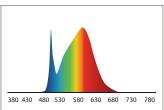
Flush Lens		Regressed Lens			Continuous Regressed Lens		
White Flush Lens <b>OFL</b>		White Regressed Lens ORL		White Regressed Lens OCRL			

# **LED OPTIONS**

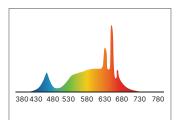
80: Standard 80+ CRI



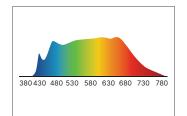
90: Standard 90+ CRI



95: High-Definition 95+CRI



SUN: Full Spectrum "SunLike"



		TYPICAL LED DATA							
CODE	DESCRIPTION	ССТ	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**

Integral

#### **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**







### **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, Regressed, and Continuous Regressed 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



3/14/2025 RevD

**Revit Files** 

