# **PRO**Beam4 Perimeter

Direct | Standard Lengths

# XICO®

Project Name _____

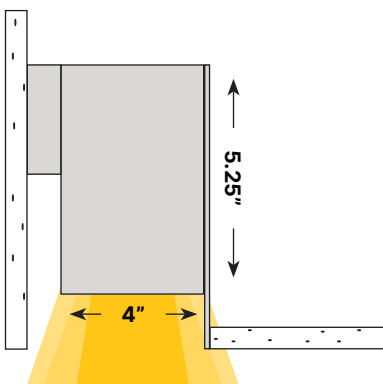Fixture Type _____



**4"**
**Scale**

**Integral Driver**

## DESCRIPTION

**4" High Performance Linear LED Perimeter Mount**

PROBeam4 is a 4" aperture linear recessed fixture for grid, drywall or hard surface applications. PROBeam4 brings SmartBeam® capabilities providing wide, narrow, grazer and asymmetric optics choices. The PROBeam4 is designed to be specification grade with a wide range of high quality LED options, including high CRI, full spectrum sunlight and circadian options. The 4" aperture delivers comfortable illumination in a wide range of beam distributions while achieving high efficacy, and energy-saving performance.

## 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

## LIGHTING CONFIGURATIONS

**Direct**



5.25"

4"

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# **PRO**Beam4 Perimeter

Project Name _____          Fixture Type _____

## 1) FIXTURE DESIGN

| PRODUCT | FIXTURE LENGTH | FINISH |
|---|---|---|
| **PBE4-RP**<br><br>4" High-Performance Linear LED Perimeter Mount | **2** - 2 ft<br>**4** - 4 ft<br>**6** - 6 ft<br>**8** - 8 ft<br>**X_** - Specify Ft', In"<br><br>Custom fixtures are available in 3" increments beyond standard lengths. | **Powder Coated**<br>**PMW** - Matte White<br>**PMB** - Matte Black<br>**PMG** - Matte Gray<br>**PRAL_** - Specify RAL #<br><br>**Anodized**<br>**ACL** - Clear Anodized<br>**ACU_** - Custom Anodized # |

## 2) LED LIGHT ENGINE

| CRI | CCT | OPTIC (DIRECT ONLY) | DIRECT BEAM PATTERN | DIRECT OUTPUT |
|---|---|---|---|---|
| **80** - Std. 80 CRI<br>**90** - Std. 90 CRI<br>**95** - High-Def. 95 CRI<br>**SUN** - Full SunLike | **27** - 2700K<br>**30** - 3000K<br>**35** - 3500K<br>**40** - 4000K<br>**XD** - Dim-to-Warm<br>**XT** - Tunable<br>**X_** - Specify CCT<br><br>Specify Dim-to-Warm and Tunable between 2700K-6500K. | **OFL** - Flush Lens<br>**ORL** - Regressed Lens<br>**OCRL** - Continuous Regressed Lens[1] | **DLAM** - Lambertian<br>**DA5025** - Asym 50° at 25° Tilt<br>**DA4005** - Asym 40° at 5° Tilt<br>**DM55** - Medium 55°<br>**DN40** - Narrow 40°<br>**X_** - Specify Beam[2] | **35** - 350 lm/ft<br>**50** - 500 lm/ft<br>**75** - 750 lm/ft<br>**100** - 1,000 lm/ft<br>**X_** - Specify lm/ft |

## 3) FIXTURE POWER & CONTROLS

| LINE VOLTAGE (DC) | INTEGRAL DRIVER (POWER)[3] | |
|---|---|---|
| **UNV** - 120/277V<br>**347** - 347V | **FDND** - Factory Non-Dimming<br>**FD00** - Factory 0-10V 0.1% Dim<br>**FD01** - Factory 0-10V 1% Dim<br>**FD10** - Factory 0-10V 10% Dim<br>**FDDA** - Factory DALI 0.1% Dim<br>**FDDX** - Factory DMX Dim<br>**FDTR** - Factory TRIAC Dim<br>**LD01** - Lutron Hi-Lume 1% Dim<br>**X_** - Specify Driver | Footnotes: [1] Continuous Regressed Lens ships on a roll for seamless lens installation. [2] Contact factory about custom beam options. [3] Standard driver box is included |

## 4) FIXTURE MOUNTING & CONNECTIONS

| MOUNTING TYPE | POWER CORD |
|---|---|
| **M1** - Flush Perimeter<br>**M2** - 2" Recessed Perimeter<br>**M3** - 3" Recessed Perimeter | **P24W** - 24" White Cable Kit<br>**P24B** - 24" Black Cable Kit |

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

# **PRO**Beam4 Perimeter

## DIMENSIONS & INSTALLATION

### Dimensions

Flush Lens

5.25"

4"

Regressed Lens

5.25"

4"
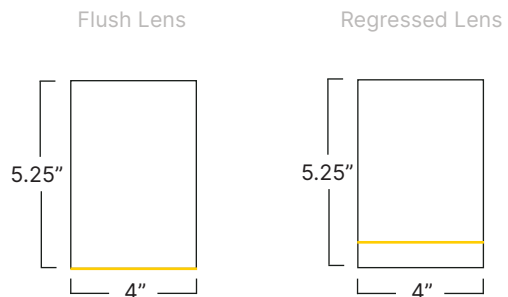


### Standard Fixtures

| | |
|---|---|
| 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

**Perimeter Mount**     Installs into outer edges. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.

### Cable Kit

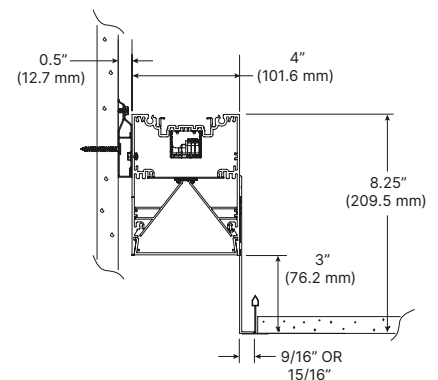**Suspension Cable**     Stainless Steel

### Mounting Options

**RP1 - Flush Perimeter**

0.5"
(12.7 mm)

4"
(101.6 mm)

5.25"
(133.3 mm)

9/16" OR
15/16"

**RP2 - 2" Recessed Perimeter**

0.5"
(12.7 mm)

4"
(101.6 mm)

7.25"
(184.1 mm)

2"
(50.8 mm)

9/16" OR
15/16"

**RP3 - 3" Recessed Perimeter**

0.5"
(12.7 mm)

4"
(101.6 mm)

8.25"
(209.5 mm)

3"
(76.2 mm)

9/16" OR
15/16"
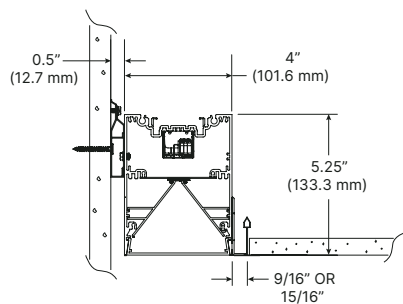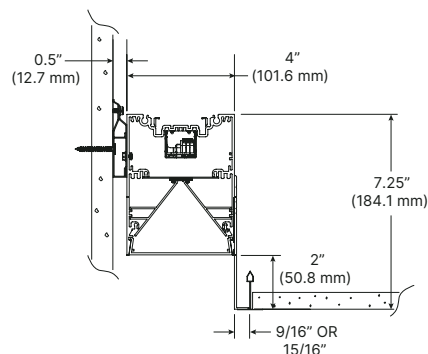
## SMARTBEAM® TECHNOLOGY

**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**

| DIRECT OPTICS | BEAM PATTERN | | | | |
|---|---|---|---|---|---|
| | DLAM | DA5025 | DA4005 | DM55 | DN40 |
| Flush Lens | 🟥 | 🟥 | 🟥 | 🟥 | 🟥 |
| Regressed 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 | | | | |
|---|---|---|---|---|---|
| | DLAM | DA5025 | DA4005 | DM55 | DN40 |
| LM/W | 142 | 143 | 139 | 137 | 136 |

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

## DIRECT PHOTOMETRICS

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

**Static White Light**

**DLAM:** Lambertian
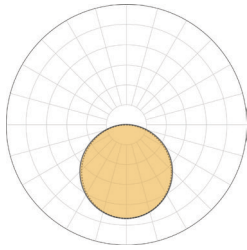
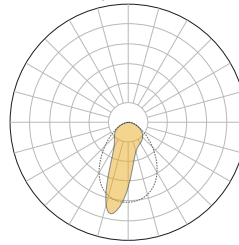| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.5 | 140 |
| 500 | 3.5 | 143 |
| 750 | 5.3 | 142 |
| 1000 | 7.0 | 143 |

**DA5025:** Asymmetric 50° at 25° Tilt
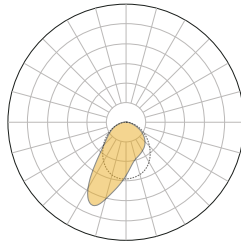
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.4 | 145.8 |
| 500 | 3.5 | 142.9 |
| 750 | 5.2 | 143 |
| 1000 | 6.9 | 144.9 |

**DA4005:** Asymmetric 40° at 5° Tilt

| 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°
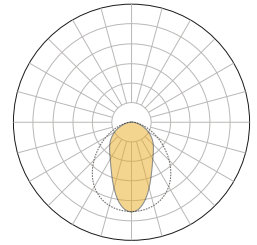
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.6 | 134.6 |
| 500 | 3.7 | 135.1 |
| 750 | 5.5 | 137 |
| 1000 | 7.3 | 137 |

**DN40:** Narrow 40°
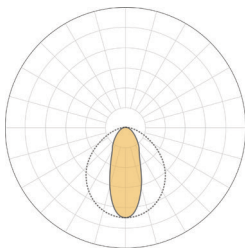
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.6 | 134.6 |
| 500 | 3.7 | 135.1 |
| 750 | 5.5 | **136** |
| 1000 | 7.3 | 137 |

| COMPATIBLE OPTIC | |
|------------------|------------------|
| **FLUSH LENS** | **REGRESSED LENS** |
| 🟥 | 🟩 |

## OPTICS CONFIGURATIONS

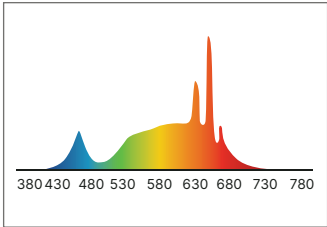| **Flush Lens** | **Regressed Lens** | **Continuous Regressed Lens** |
|----------------|--------------------|-------------------------------|
| White Flush Lens **OFL** | White Regressed Lens **ORL** | White Regressed Lens **OCRL** |

## LED OPTIONS

**80: Standard 80+ CRI**
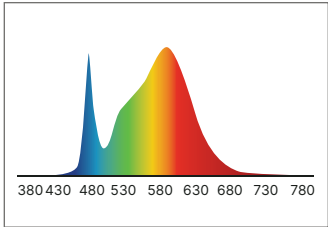


**90: Standard 90+ CRI**
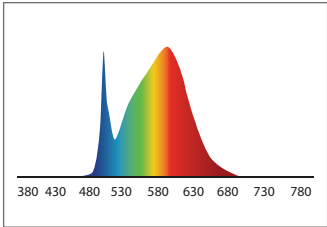


**95: High-Definition 95+CRI**



**SUN: Full Spectrum "SunLike"**
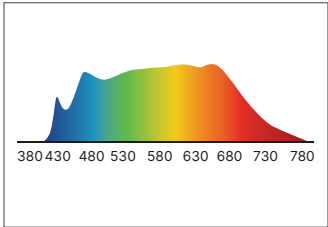


| CODE | DESCRIPTION | TYPICAL LED DATA | | | | | | | |
|------|-------------|------|-----|--------|---------|---------|-----|-----------|-----|
| | | CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | M/P Ratio | LPW |
| 80 | Standard 80 CRI | 3500K | 82.5 | 7.8 | 84 | 96.7 | 82.5 | 0.51 | 190 |
| 90 | 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**
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

**LUTRON®**    **CASAMBI**    **COOPER**

# 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.
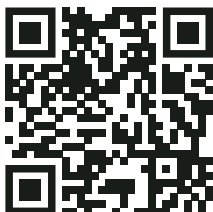
## Red List Free

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 | Revit Files |
|---|---|---|---|---|