# **MICRO**Slot Recessed

Direct | Standard Lengths

**XICO**®

Project Name

Fixture Type



**Flush Lens**

**Regressed Lens**

**Micro Baffle**

**MCO**

1.5"

**Scale**

**Fixture Mounted or Remote Driver**

## LIGHTING CONFIGURATIONS

**Direct**



1.5"

← 2.4" →
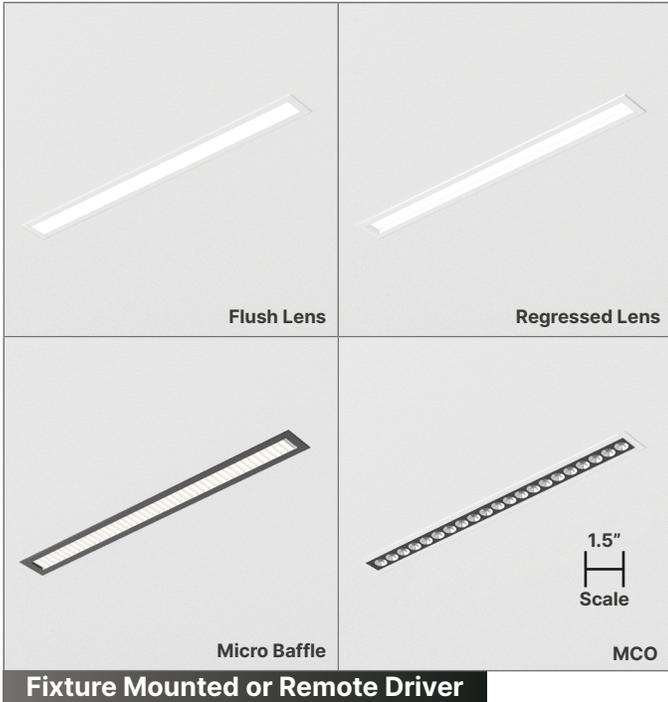
## DESCRIPTION

**1.5" Low-Profile Linear LED Drywall Mount**

MICROSlot takes the same capabilities and SmartBeam® controlled distributions of MICROSlot and adapts to recessed applications. MICROSlot Recessed has drywall and custom configuration mounting options for ceiling systems. The MICROSlot Recessed range is designed to be specification-grade with high lumen per foot, high CRI, and circadian options.

## FEATURES & BENEFITS

**Exceptional Performance**
Up to 1,000 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**
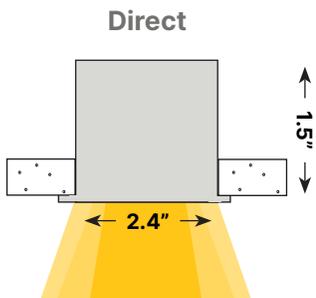Declare Listed and Red Free List materials

**Compliance**
UL Listed, Dry and Damp Locations

**5-Year Warranty**
Standard 5-year warranty, 50,000 hours

Declare    Red List Free    mindful MATERIALS    BABA Act Build America Buy America Act    UL LISTED    bios    ROHS compliant    Designed & Built in **BOSTON**

## FIXTURE ORDERING

Project Name _____      Fixture Type _____

### 1) FIXTURE DESIGN

| PRODUCT | FIXTURE LENGTH | FINISH |
|---|---|---|
| **MSL-RD**<br>1.4" Linear LED Drywall 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>**OMBW** - Micro Baffle, White (Requires Regressed Lens)<br>**OMBB** - Micro Baffle, Black (Requires Regressed Lens) | **NN** - Not Needed<br>**DLAM** - Lambertian<br>**DBW60** - Batwing 60°<br>**DDA70** - Double Asym 70°<br>**DA3015** - Asym 30° at 15° Tilt<br>**DA3010** - Asym 30° at 10° Tilt<br>**DM55** - Medium 55°<br>**DN40** - Narrow 40°<br>**X_** - Specify Beam[1] | **NN** - Not Needed<br>**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 |
| | | **ORMCOWB** - Round MCO, White w/ Black Cover<br>**ORMCOBB** - Round MCO, Black w/ Black Cover<br>**ORMCOGB** - Round MCO, Graphite w/ Black Cover<br>**ORMCOCHB** - Round MCO, Chrome w/ Black Cover<br>**ORMCOCB** - Round MCO, Copper w/ Black Cover | **DS45** - Micro Cavity Optics Spot 45°<br>**DS35** - Micro Cavity Optics Spot 35°<br>**DS25** - Micro Cavity Optics Spot 25° | |

### 3) FIXTURE POWER & CONTROLS

| LINE VOLTAGE (DC) | DRIVER LOCATION | DRIVER (POWER)[3] | |
|---|---|---|---|
| **UNV** - 120/277V<br>**347** - 347V | **FMD** - Fixture Mounted Driver<br>**RD** - Remote Driver | **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] Contact factory about custom beam options. [3] Standard driver box is included |

## 4) FIXTURE MOUNTING

| MOUNTING TYPE |
| --- |
| |
| **DK**  -  Drywall Kit<br>**X_**  -  Specify Mounting Type |

## OPTIONAL

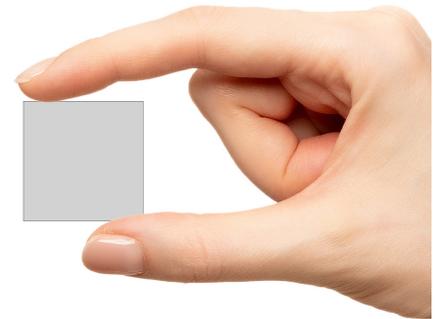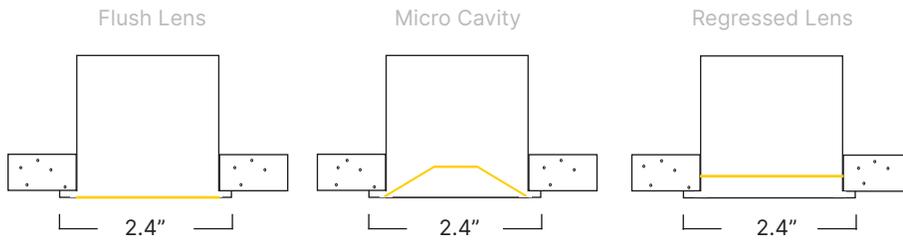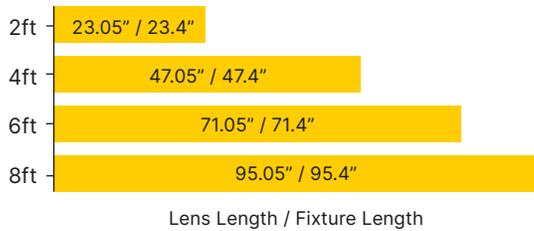| EMERGENCY BACKUP | WIRELESS MODULE |
| --- | --- |
| | |
| **EMC**  -  Emergency Circuit<br>**EMB**  -  Emergency Battery<br>(10 W — Remote)<br>**X_**  -  Specify Backup<br><br>Specify requirements at time of order. | **WCN**  -  Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver 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 |

## DIMENSIONS & INSTALLATION

### Dimensions

Flush Lens

Micro Cavity

Regressed Lens

2.4"

2.4"

2.4"

### Standard Fixtures

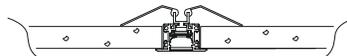| | |
|---|---|
| 2ft | 23.05" / 23.4" |
| 4ft | 47.05" / 47.4" |
| 6ft | 71.05" / 71.4" |
| 8ft | 95.05" / 95.4" |

Lens Length / Fixture Length

### Mounting Type

**Drywall Mount**

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

### Mounting Option

**DK - Drywall Kit**

## 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.
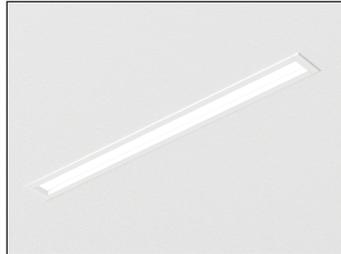
To learn more about our SmartBeam Technology, please click or scan the QR Code.
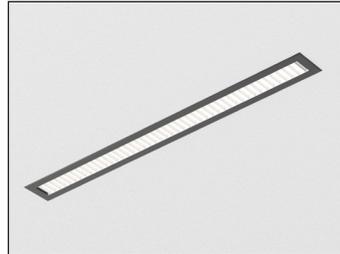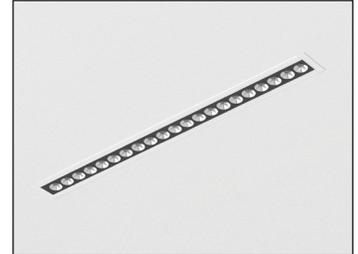
**Direct Optics Choices**

**FL** - Flush Lens

**RL** - Regressed Lens

**MB -** Micro Baffle

**MCO -** Micro Cavity Optics

|  | BEAM PATTERN | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **DIRECT OPTICS** | **DLAM** | **DBW60** | **DDA70** | **DA3015** | **DA3010** | **DM70** | **DN40** | **DS45** | **DS35** | **DS25** |
| Flush Lens | 🟥 | 🟥 | 🟥 | 🟥 | 🟥 | 🟥 | 🟥 | | | |
| Regressed Lens | 🟩 | 🟩 | 🟩 | 🟩 | 🟩 | 🟩 | 🟩 | | | |
| Micro Baffle | 🟦 | 🟦 | 🟦 | 🟦 | 🟦 | 🟦 | 🟦 | | | |
| MCO | | | | | | | | 🟨 | 🟨 | 🟨 |

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** | **DA3015** | **DA3010** | **DM70** | **DN40** | **DS45** | **DS35** | **DS25** |
| LM/W | 83 | 141 | 123 | 131 | 130 | 149 | 151 | 82 | 82 | 82 |

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

## DIRECT PHOTOMETRICS

**Static White Light**

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

### DLAM: Lambertian
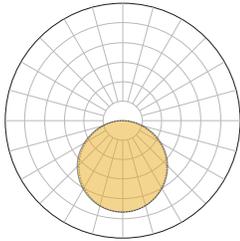
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 4.2 | 83.3 |
| 500 | 6 | 83.3 |
| 750 | 9 | 83 |
| 1000 | 12 | 83.3 |

### DBW60: Batwing 60°
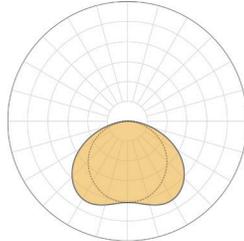
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.5 | 140 |
| 500 | 3.5 | 142.9 |
| 750 | 5.3 | 141 |
| 1000 | 7.1 | 140.1 |

### DDA70: Double Asymmetric 70°
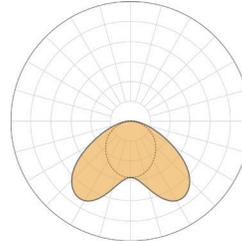
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.8 | 125 |
| 500 | 4.1 | 122 |
| 750 | 6.1 | 123 |
| 1000 | 8.1 | 123.5 |

### DA3015: Asymmetric 30° at 15° Tilt
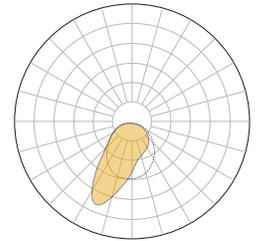
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.7 | 129.6 |
| 500 | 3.8 | 131.6 |
| 750 | 5.7 | 131 |
| 1000 | 7.6 | 131.6 |

### DA3010: Asymmetric 30° at 10° Tilt
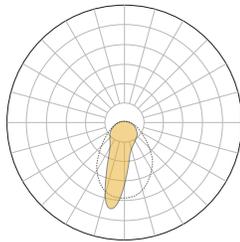
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.8 | 125 |
| 500 | 3.9 | 128.2 |
| 750 | 5.8 | 130 |
| 1000 | 7.7 | 129.9 |

### DM70: Medium 70°
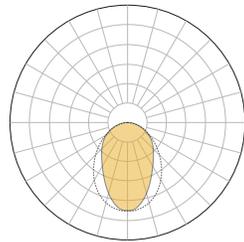
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.3 | 152 |
| 500 | 3.3 | 151.5 |
| 750 | 5 | 149 |
| 1000 | 6.7 | 149.3 |

### DN40: Narrow 40°
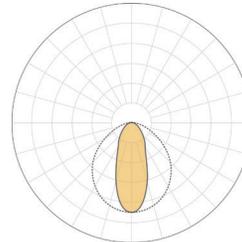
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 2.3 | 152 |
| 500 | 3.3 | 151.5 |
| 750 | 5 | **151** |
| 1000 | 6.7 | 149.3 |

### DS45: Micro Cavity Optic Spot 45°
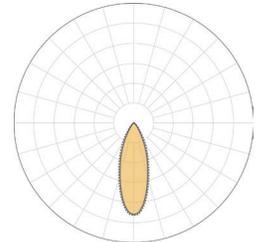
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 4.2 | 83.3 |
| 500 | 6.1 | 82 |
| 750 | 9.1 | 82 |
| 1000 | 12.1 | 82.6 |

### DS35: Micro Cavity Optic Spot 35°
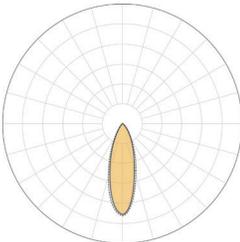
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 4.2 | 83.3 |
| 500 | 6.1 | 82 |
| 750 | 9.1 | 82 |
| 1000 | 12.1 | 82.6 |

### DS25: Micro Cavity Optic Spot 25°
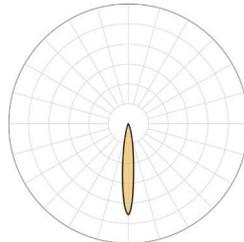
| LM/FT | W/FT | LM/W |
|-------|------|------|
| 350 | 4.2 | 83.3 |
| 500 | 6.1 | 82 |
| 750 | 9.1 | 82 |
| 1000 | 12.1 | 82.6 |

| COMPATIBLE OPTIC | | | |
|------|------|------|------|
| **FLUSH LENS** | **REGRESSED LENS** | **MICRO BAFFLE** | **MCO** |
| 🟥 | 🟩 | 🟦 | 🟨 |

## OPTICS CONFIGURATIONS

| Flush Lens | Regressed Lens | Continuous Regressed Lens | Micro Baffle | Round MCO |
|---|---|---|---|---|
| White Flush Lens **OFL** | White Regressed Lens **ORL** | White Regressed Lens **OCRL** | White Micro Baffle **OMBW** | **ORMCOWB** White w/Black Cover |
| | | | Black Micro Baffle **OMBB** | **ORMCOBB** Black w/Black Cover |
| | | | | **ORMCOGB** Graphite w/Black Cover |
| | | | | **ORMCOCHB** Chrome w/Black Cover |
| | | | | **ORMCOCB** Copper w/Black Cover |

## MICRO CAVITY OPTICS CHOICES

| **ORMCOWB** Round MCO, White Black Cover | **ORMCOBB** Round MCO, Black Black Cover | **ORMCOGB** Round MCO, Graphite Black Cover | **ORMCOCHB** Round MCO, Chrome Black Cover | **ORMCOCB** Round MCO, Copper Black Cover |
|---|---|---|---|---|

## LED OPTIONS

**80: Standard 80+ CRI**
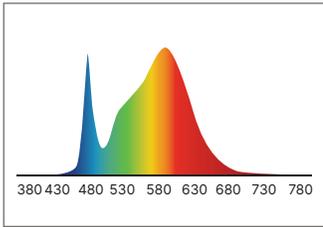


**90: Standard 90+ CRI**
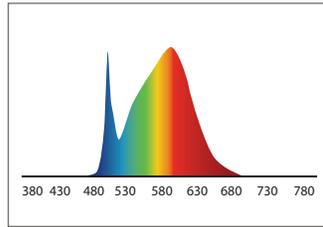


**95: High-Definition 95+CRI**
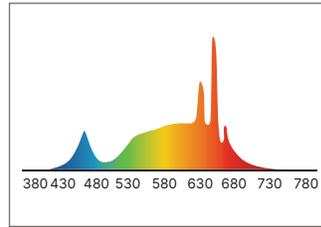


**SUN: Full Spectrum "SunLike"**
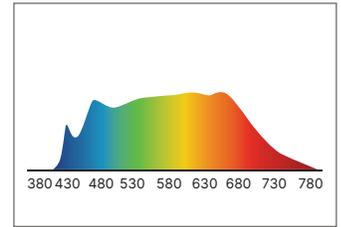


| CODE | DESCRIPTION | TYPICAL LED DATA | | | | | | | |
|------|-------------|-----|-----|--------|---------|---------|-----|-----------|-----|
| | | CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | M/P Ratio | LPW |
| 80 | Standard 80 CRI | 3500K | 82.5 | 7.8 | 84 | 96.7 | 82.5 | 0.51 | 190 |
| 90 | Standard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

### Compatible Control Options

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

# 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, Micro Baffle, and Round Micro Cavity Optics (MCO) 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 |
|---|---|---|---|---|