

Project Name

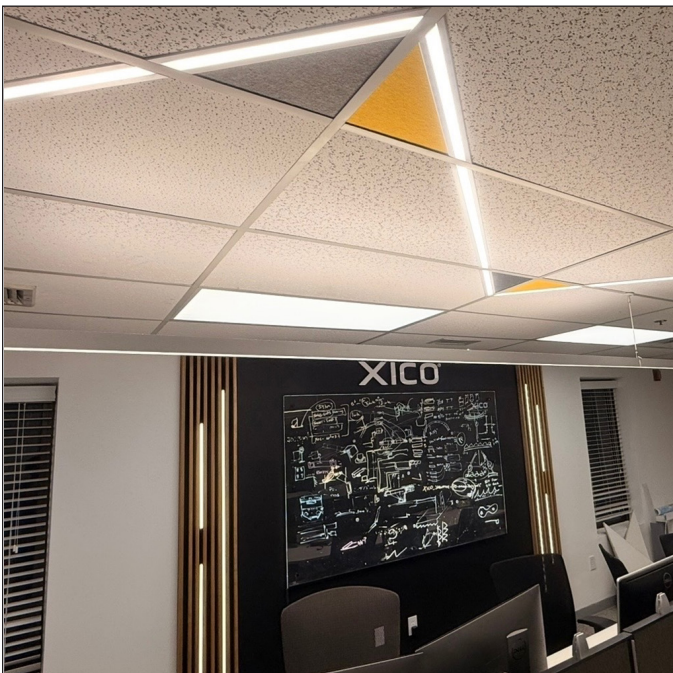
Fixture Type



Description

- **Angled Sections for Custom Layouts** – Featuring 1' and 3' angled sections, GRIDVector1 introduces expressive geometry and directional lines to standard grid layouts, allowing designers to create diagonals, chevrons, diamonds, and custom vector-based patterns with ease.
- **Low and Zero Plenum Design** – GRIDVector1 offers a zero plenum design that sits flush with the T-bar, enabling clean integration—even in no-plenum conditions.
- **Easy Installation** – GRIDVector1 is engineered to install directly into standard 9/16" and 15/16" T-Bar grid ceilings, integrating cleanly into the grid structure
- **SmartBeam[®] Optical Control** – Advanced optics deliver high-performance beam distributions tailored to the space.
- **BABAA Compliant** – BABAA & TAA compliant in-house manufacturing in Woburn, MA with North American supply chain.

Key Facts



Dimensions	1.3" (W) X 1" (H)
Mounting Style	T-Bar
Standard Lengths	1FT & 3FT Angled Segments
Finishes	Powder Coated & Anodized
Housing Material	Extruded, Recycled Aluminum
Warranty	5-Year Warranty
Sustainability	Declare Listed & Red List Free
LED Performance	1,000 Lm/Ft, 135 Lm/W efficacy
LED Choices	Static White
Optics Choices	Flush & Nano Baffle
CRI / CCT	80/90/95+, 2700K to 6500K
Driver Options	Factory, Lutron & eldoLED
Emergency Backup	Emergency Circuit & Battery
Compatible Controls	Lutron, Casambi, Cooper, nLight
Power Cord	48"



Project Name

Fixture Type

Fixture Ordering

PRODUCT	FIXTURE LENGTH	FINISH
GVE1-FL-SW		

GVE1-FL-SW

1" Recessed Linear LED System with Angled Segments for T-Bar Grid Ceilings

- 1** - 1' Angle
- 3L** - 3' Left Angle
- 3R** - 3' Right Angle

- Powder Coated**
- PMW** - Matte White
 - PMB** - Matte Black
 - PMG** - Matte Gray
 - PRAL_** - Specify RAL #

- Anodized**
- ACL** - Clear Anodized
 - ACU_** - Custom Anodized #

CRI	CCT	OPTIC (DIRECT ONLY)	DIRECT BEAM PATTERN	DIRECT OUTPUT

- 80** - Std. 80 CRI
- 90** - Std. 90 CRI
- 95** - High-Def. 95 CRI

- 27** - 2700K
- 30** - 3000K
- 35** - 3500K
- 40** - 4000K
- X_** - Specify CCT

- OFL** - Flush Lens
- ONBW** - Nano Baffle, White
- ONBB** - Nano Baffle, Black

- DLAM** - Lambertian
- DBW60** - Batwing 60°
- DDA70** - Double Asym 70°
- DA5025** - Asym 50° at 25° Tilt
- DA4005** - Asym 40° at 5° Tilt
- DM55** - Medium 55°
- DN40** - Narrow 40°
- X_** - Specify Beam¹

- 35** - 350 lm/ft
- 50** - 500 lm/ft
- 75** - 750 lm/ft
- 100** - 1,000 lm/ft
- X_** - Specify lm/ft

LINE VOLTAGE (DC)	DRIVER LOCATION	REMOTE DRIVER (POWER)	MOUNTING TYPE

- UNV** - 120/277V
- 347** - 347V

- FMD** - Fixture Mounted Driver
- RD** - Remote Driver

- 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

- Lay-In (Drop-In) Ceiling Tile
- TC1** - 9/16" Flat T-Bar + Lay-In Tile Mount
- TC3** - 15/16" Flat T-Bar + Lay-In Tile Mount

Optional

EMERGENCY BACKUP	WIRELESS MODULE & SENSOR

- EMC** - Emergency Circuit
- EMB** - Emergency Battery (10 W — Remote)
- X_** - Specify Backup

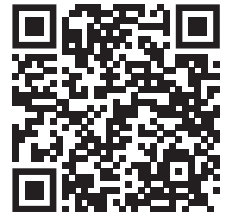
- WCN** - Wireless Communication Node (Connected to LED Driver In-Fixture or In-Driver Box)
- PIR** - Wireless Communication Node + PIR Sensor (Standard Lens for Low Bay < 10')
- MW** - Wireless Communication Node + MW Sensor (Standard for Low Bay < 10')
- X_** - Other - Specify Embedded Component or Specific Non-Standard Sensor Detection Range

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 FlexGrid 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

	
Flush Lens	Nano Baffle
OFL - Flush Lens	ONBW - White Nano Baffle
	ONBB - Black Nano Baffle

DIRECT OPTICS	BEAM PATTERN						
	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40
Flush Lens	■	■	■	■	■	■	■
Nano Baffle	■	■	■	■	■	■	■

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

LPW Performance | 48" Length, 80+/3500K CRI/CCT

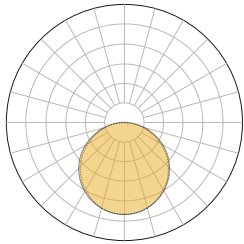
	DIRECT						
	DLAM	DBW60	DDA70	DA5025	DA4005	DM55	DN40
LM/W	111	123	123	130	128	129	116

Photometrics

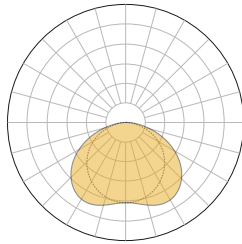
48" Length, 80+/3500K CRI/CCT

Static White Light

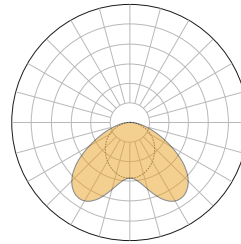
DLAM: Lambertian



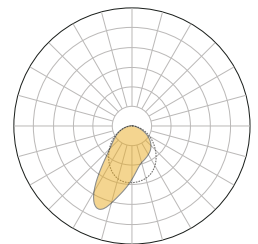
DBW60: Batwing 60°



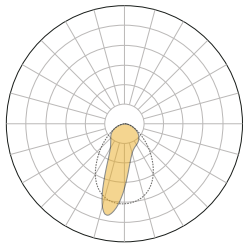
DDA70: Double Asymmetric 70°



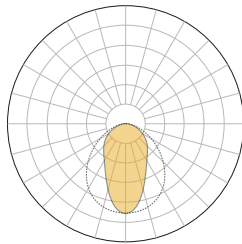
DA5025: Asymmetric 50° at 25° Tilt



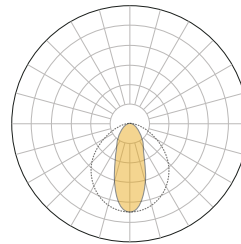
DA4005: Asymmetric 40° at 5° Tilt





DM55: Medium 55°



DN40: Narrow 40°

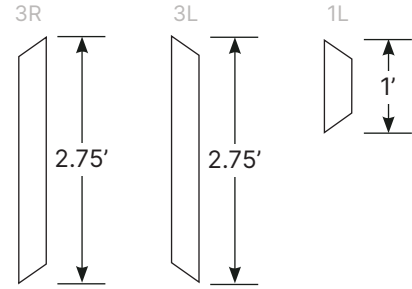
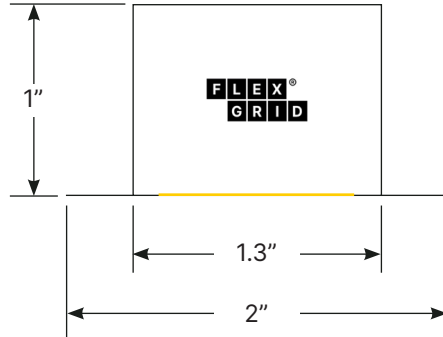


COMPATIBLE OPTIC	
FLUSH LENS	NANO BAFFLE
	

BEAM	OUTPUT							
	350 LPF		500 LPF		750 LPF		1000 LPF	
	W/FT	LM/W	W/FT	LM/W	W/FT	LM/W	W/FT	LM/W
DLAM	3.2	109.4	4.6	108.7	6.9	108.7	9.2	108.7
DBW60	2.8	123	4.0	125	6.0	125	8.0	125
DDA70	2.8	125	4.1	122	6.1	123	8.1	123.5
DA5025	2.8	123	4.0	125	6.0	125	8.0	125
DA4005	2.8	125	3.9	128.2	5.9	127.1	7.9	126.6
DM55	2.8	125	3.9	128.2	5.9	127.1	7.9	126.6
DN40	2.8	123	4.0	125	6.0	125	8.0	125

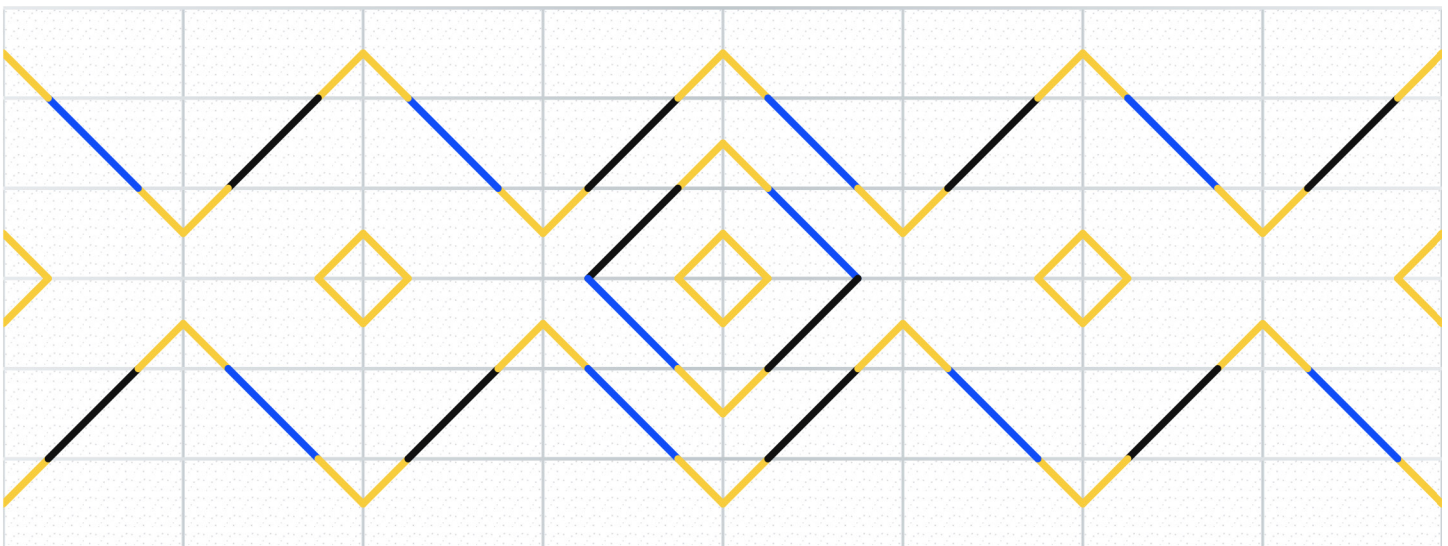
Dimensions & Installation

Flush, Regressed, & Micro Baffle



Sample Design

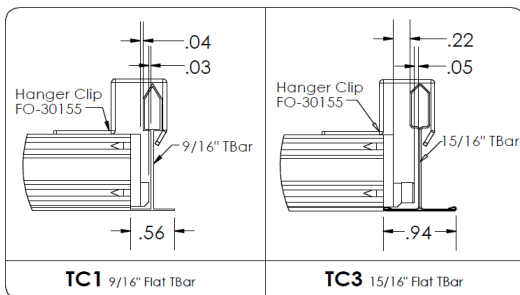
The sample design shows GRIDVector1 with color-coded segments to demonstrate how multiple sections can be combined to create custom patterns. This visual highlights the flexibility and design possibilities, helping users plan their layouts and understand the modularity of the system.



3R - 3' Right Angle
 1' Angle
 3L - 3' Left Angle

Grid Mounting Options

Specifically designed to fit standard T-Bar/Grid Spacing for seamless fit. Available with a range of accessories, mounts and inserts that provide easy customization of visual appearance and performance enhancements.



Technical Data

Finishes & Design Options

Housing Colors (Matte Finish)

- White (RAL9003)
- Black (RAL9005)
- Gray (RAL7001)
- Custom RAL

Housing Material

6063-T5 extruded, recycled aluminum

Mounting Brackets and Hardware

Sheet Metal

Flat End Cap Material

Machined or cast aluminum

Lens Options and Material

Flush and lens with Patented SmartOptics® made from Acrylic (PMMA). Nano Baffle lens options with Polycarbonate.

Standards & Certifications

Sustainability

Low carbon, environmentally conscious packaging and shipping methods

Compliance

BABAA & TAA compliant in-house manufacturing in Woburn, 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 FlexGrid 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.

Nano Series
XICO Lighting
Final Assembly: Woburn, MA, USA
Life Expectancy: 10+ Years
End of Life Options: Recyclable (99%)

Ingredients:
Aluminum, Glass, acids, chemicals, Poly(methyl methacrylate), Phenol, 4,4'-[1-methyl-4,4'-oxydiphenylene]bis[2,2'-(3,3'-methylenebis[6-tert-butyl-4-phenyleneoxy])methoxy]bis[2,6-dimethyl-4-tert-butylphenol], 1,3-benzenedicarboxylic acid, 1,1-dimethyl ethyl polymer with 1,4-dimethyl 1,4-benzenedicarboxylate and 1,2-dihydroxyethyl, Polyethylene, Copper, Polyethylene Terephthalate, Barium sulfate, Hexagonal Silicon, Phosphoric acid, phosphoric acid, dibutyl ester from Silicones and Silicones, 8-Mu, Chromium, metallic gold, manganese, Titanium, Zinc, Nickel, chemicals

Declare Listed

At FlexGrid 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 FlexGrid products, packaging, or at flexgridled.com/declare.



Red List Free

FlexGrid 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 flexgridled.com/declare.

Quick Links

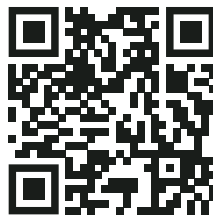
Product Page



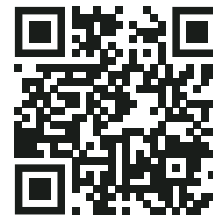
SmartBeam



5-YR Warranty



Business Terms



Patents & Trademarks

