

Project Name

Fixture Type



## Description

- **Angled Sections for Custom Layouts** – Featuring 1' and 3' angled sections, GRIDVector1 NCO 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 NCO offers a zero plenum design that sits flush with the T-bar, enabling clean integration—even in no-plenum conditions.
- **Easy Installation** – GRIDVector1 NCO is engineered to install directly into standard 9/16" and 15/16" T-Bar grid ceilings, integrating cleanly into the grid structure
- **SmartBeam<sup>®</sup> 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



<b>Dimensions</b>	1.3" (W) X 1" (H)
<b>Mounting Style</b>	T-Bar
<b>Standard Lengths</b>	1FT & 3FT Angled Segments
<b>Finishes</b>	Powder Coated & Anodized
<b>Housing Material</b>	Extruded, Recycled Aluminum
<b>Warranty</b>	5-Year Warranty
<b>Sustainability</b>	Declare Listed & Red List Free
<b>LED Performance</b>	1,000 Lm/Ft, 135 Lm/W efficacy
<b>LED Choices</b>	Static White
<b>Optics Choices</b>	Nano Cavity Optics (NCO), UGR<19
<b>CRI / CCT</b>	80/90+, 2700K to 6500K
<b>Driver Options</b>	Factory, Lutron & eldoLED
<b>Emergency Backup</b>	Emergency Circuit & Battery
<b>Compatible Controls</b>	Lutron, Casambi, Cooper, nLight
<b>Power Cord</b>	48"



**Project Name**

**Fixture Type**

## Fixture Ordering

PRODUCT	FIXTURE LENGTH	FINISH
GVE1-NCO-SW		

### GVE1-NCO-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

**27** - 2700K  
**30** - 3000K  
**35** - 3500K  
**40** - 4000K  
**X\_** - Specify CCT

**OSNCOW** - Square NCO, White  
**OSNCOB** - Square NCO, Black  
**ORNCOW** - Round NCO, White  
**ORNCOB** - Round NCO, Black  
**ORNCOG** - Round NCO, Graphite

**DS45** - Nano Cavity Optics  
 Spot 45°  
**DS35** - Nano Cavity Optics  
 Spot 35°  
**DS25** - Nano Cavity Optics  
 Spot 25°

**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

	
<b>Round NCO</b>	<b>Square NCO</b>
<b>ORNCOW</b> - White Round NCO	<b>OSNCOW</b> - White Square NCO
<b>ORNCOB</b> - Black Round NCO	<b>OSNCOB</b> - Black Square NCO
<b>ORNCOW</b> - Graphite Round NCO	

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

	DIRECT		
	DS45	DS35	DS25
LM/W	82	82	82

DIRECT OPTICS	BEAM PATTERN		
	DS45	DS35	DS25
Round NCO	■	■	■
Square NCO	■	■	■

### LPW Efficacy Conversion Chart

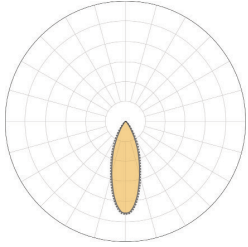
CODE	CCT SELECTED							
	2200K	2700K	3000K	3500K	4000K	5000K	5700K	6500K
80	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11
90	-	0.91	0.96	1.00	1.04	1.11	1.11	1.11

## Photometrics

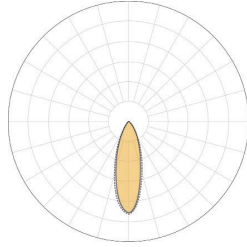
48" Length, 80+/3500K CRI/CCT

Static White Light

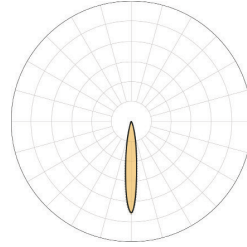
**DS45:** Nano Cavity Optic Spot 45°



**DS35:** Nano Cavity Optic Spot 35°



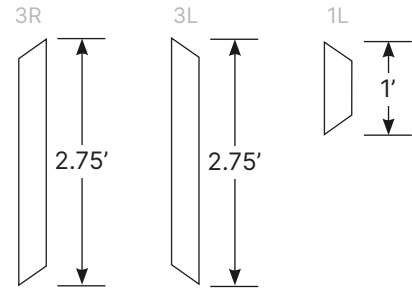
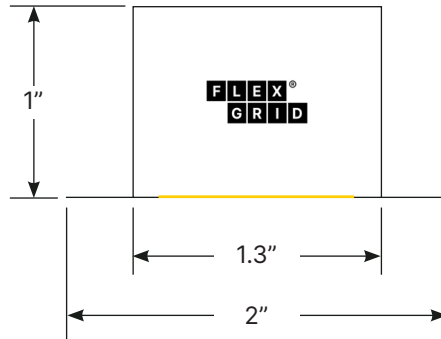
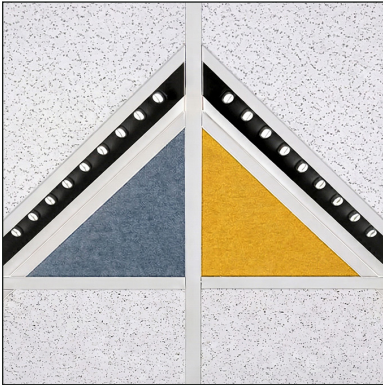
**DS25:** Nano Cavity Optic Spot 25°



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
DS45	4.2	83.3	6	83.3	9	83.3	12	83.3
DS35	4.2	83.3	6	83.3	9	83.3	12	83.3
DS25	4.2	83.3	6	83.3	9	83.3	12	83.3

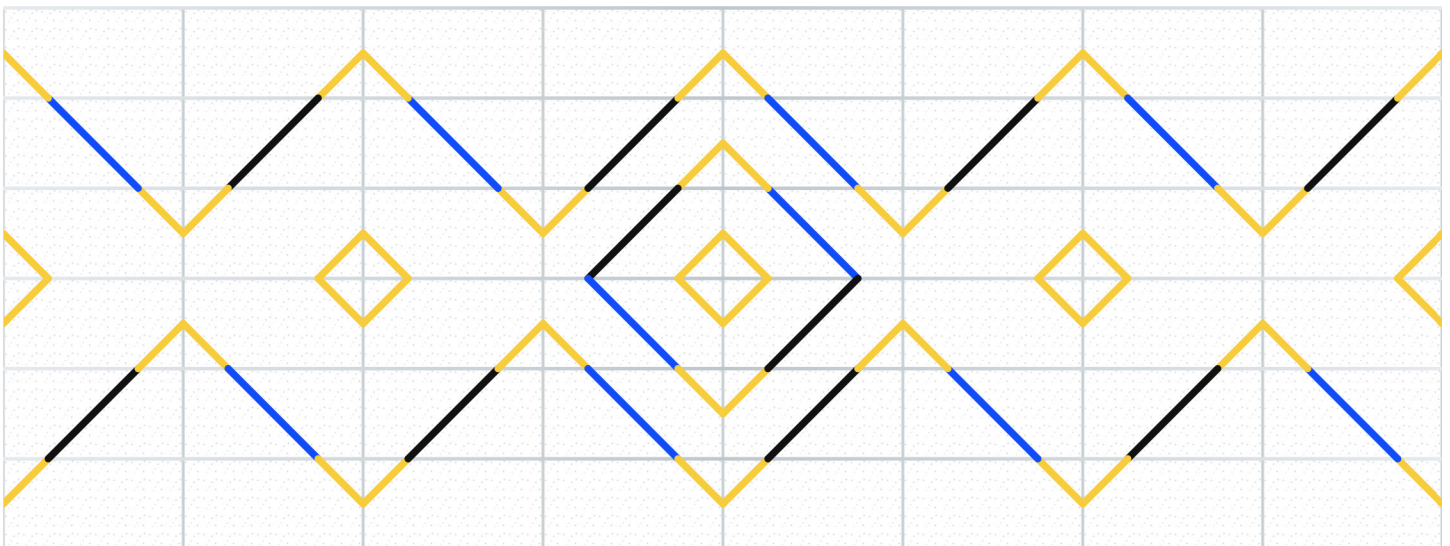
## Dimensions & Installation

### Nano Cavity Optics



### Sample Design

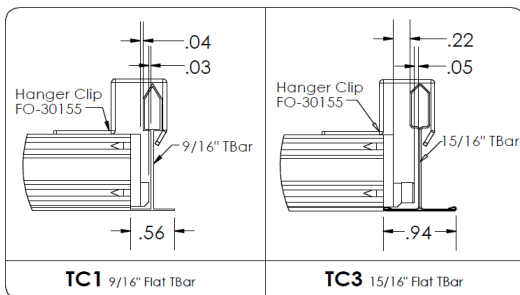
The sample design shows GRIDVector1 with color-coded segments to demonstrate how multiple sections can be combined to create custom patterns. This visual highlights the flexibility and design possibilities, helping users plan their layouts and understand the modularity of the system.



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

Nano Cavity Optics 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-methylethylene]bis-, polymer with 2,2'-(3,3',6,6'-tetrahydrophthalidene)bis(4-ethylphenyleneoxy)bis(oxazolidinone), 1,3-benzenedicarboxylic acid, 1,1-dimethyl ethyl polymer with 1,4-dimethyl 1,4-benzenedicyanobenzoate and 1,2-ethanediol, Polyethylene, Copper, Polyethylene Terephthalate, Barium sulfate, Magnesium, 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](https://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](https://flexgridled.com/declare).

### Quick Links

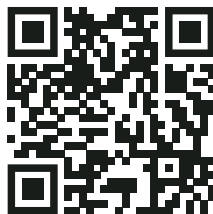
Product Page



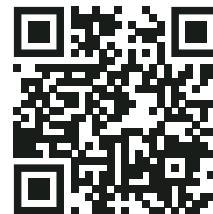
SmartBeam



5-YR Warranty



Business Terms



Patents & Trademarks

