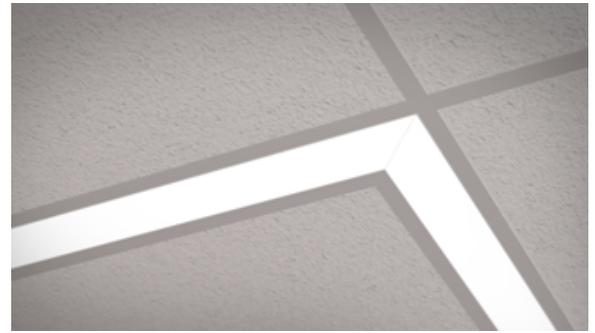


Transforming light into an element of design

TRUGROOVE FLAT CORNER DEFINITION LED PoE



DIRECT DEFINITION, FLUSH SILK LENS
CRI >80 3500K, 2000 lm/4ft

Project:

Spec Type:

Catalog No: 39A0PBGL

Qty

Line Notes:

Ordering guide



| Product Type | Source | Color Temp * | Lumens * | Optics | Housing | Ceiling / Trim | Run Length | Wiring | Voltage | Driver |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <input type="text" value="39A0"/> | <input type="text" value="P"/> | <input type="text" value="B"/> | <input type="text" value="G"/> | <input type="text" value="L"/> | <input type="text" value="S"/> | <input type="text" value="1"/> | <input type="text" value="22"/> | <input type="text" value="1"/> | <input type="text" value="N"/> | <input type="text" value="E"/> |
| TruGroove Flat Corner Definition LED PoE | P LED PoE | A 4000K B 3500K C 3000K | G 2000 lm/4ft | L Flush Silk Lens | S Standard | 1 T-Grid | 22 2x2 | 7 1 cct w/ Dimming | N Not applicable (Class 2) | E Standard |

* Nominal values within a range. Consult ies file for exact color temp, lumens and up/down distribution

Mounting Hardware

Mount Type
Consult separate mounting spec sheet for mount type options

Integrated Controls Please indicate with check mark.

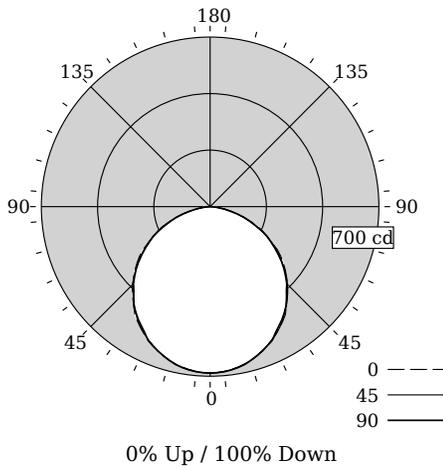
No Options Available



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Photometry



| | |
|---|-------------------|
| Total Output | 1930 lm |
| Efficacy | 82.1 lm/W |
| CCT | 3479K |
| CRI | 83 |
| R9 | 10 |
| Distribution | 0% Up / 100% Down |
| Spacing Criteria (0/90/180°) | 1.25/1.24/NA |
| Meets RP-1-04 recommendations for VDT-Normal spaces | |

Values per straight 4ft unit

Fixture photometry has been conducted in accordance with IESNA LM-79-08

Lumen maintenance of the LEDs has been tested by the manufacturer in accordance with IESNA LM-80-08

Candela Distribution

| Vertical Angle | Horizontal Angle | | | | | Zonal Lumens |
|----------------|------------------|------|-----|------|-----|--------------|
| | 0 | 22.5 | 45 | 67.5 | 90 | |
| 0 | 687 | 687 | 687 | 687 | 687 | 0 |
| 5 | 682 | 684 | 683 | 684 | 684 | 65 |
| 15 | 657 | 661 | 656 | 659 | 656 | 186 |
| 25 | 609 | 612 | 606 | 611 | 609 | 281 |
| 35 | 544 | 546 | 537 | 542 | 536 | 338 |
| 45 | 454 | 461 | 454 | 458 | 450 | 351 |
| 55 | 358 | 360 | 350 | 355 | 346 | 316 |
| 65 | 240 | 246 | 232 | 244 | 238 | 237 |
| 75 | 117 | 127 | 118 | 127 | 116 | 128 |
| 85 | 17 | 25 | 20 | 25 | 21 | 28 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 |

Coefficients of Utilization (%)

| RCR | Ceiling: Wall: | 80 | | | | | | | | | | 70 | | | 50 | |
|-----|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|--|
| | | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 50 | 30 | 10 | 50 | 30 | 10 | | |
| 0 | | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 | | | | | |
| 1 | | 109 | 104 | 100 | 96 | 106 | 102 | 98 | 98 | 95 | 92 | | | | | |
| 2 | | 99 | 91 | 84 | 78 | 96 | 89 | 83 | 85 | 80 | 76 | | | | | |
| 3 | | 90 | 80 | 72 | 65 | 88 | 78 | 71 | 75 | 69 | 63 | | | | | |
| 4 | | 83 | 71 | 62 | 55 | 80 | 69 | 61 | 67 | 60 | 54 | | | | | |
| 5 | | 76 | 63 | 54 | 47 | 74 | 62 | 53 | 60 | 52 | 47 | | | | | |
| 6 | | 70 | 57 | 48 | 41 | 68 | 56 | 47 | 54 | 46 | 41 | | | | | |
| 7 | | 65 | 51 | 43 | 37 | 63 | 51 | 42 | 49 | 42 | 36 | | | | | |
| 8 | | 60 | 47 | 38 | 33 | 59 | 46 | 38 | 45 | 38 | 32 | | | | | |
| 9 | | 57 | 43 | 35 | 29 | 55 | 42 | 35 | 41 | 34 | 29 | | | | | |
| 10 | | 53 | 40 | 32 | 27 | 52 | 39 | 32 | 38 | 31 | 26 | | | | | |

Avg. Luminance (cd/m²)

| Vertical Angle | Horizontal Angle | | |
|----------------|------------------|------|------|
| | 0 | 45 | 90 |
| 55 | 7140 | 6975 | 6892 |
| 65 | 6505 | 6287 | 6445 |
| 75 | 5156 | 5205 | 5124 |
| 85 | 2246 | 2567 | 2781 |

Electrical Specifications

| | |
|---|-------------------|
| Input Voltage | PoE (51-54VDC) |
| Input Power | 23.5W |
| Tested values – contact technical support for rated values. Standby power <0.9W for 4ft <1.8W for 8ft and <2.7W for 6ft | |

TRUGROOVE FLAT CORNER DEFINITION LED PoE

Modules & Runs

TruGroove LED Corners nominal sizes

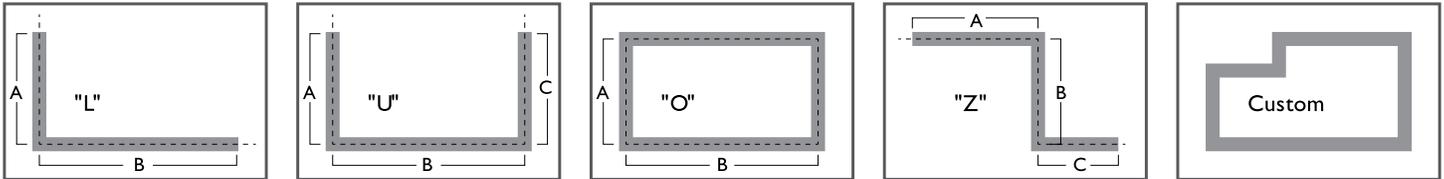
2ft x 2ft 90° flat lit corner unit
Inside 90° joiner bracket

*Note: In closed pattern applications, sensor is located remote from pattern.
In open pattern applications, sensor is located at one end of the pattern.*

Refer to module size details below for actual dimensions. T-grid corner units are 2' on-center, so extend past the T-bar when combined with standard 4' & 8' modules.

Please provide pattern drawings or sketches with dimensions based on lens centerlines.
To specify continuous straight runs, refer to TruGroove Continuous data sheets.

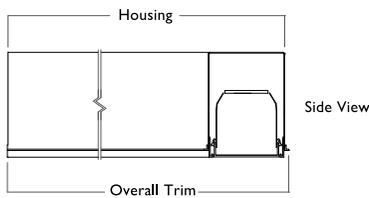
Flat Patterns – with flat corners; 2'x2' corners and straight sections in 4' increments only.



Module Dimensions

Flat 90° Lit Corner Units

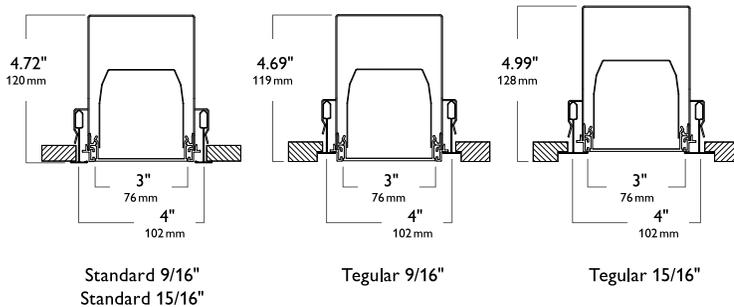
T-Grid



| Nominal length | Housing | Lens aperture | Trim – T-Grid |
|----------------|--------------|---------------|---------------|
| 2 x 2ft Flat | 25.7"/653 mm | N / A | 25.9"/658 mm |

Options and Details

T-grid*



* Compatible with TechZone[®] 4" Ceiling Grid

Trim Views

Flush lens



T-grid

Housing

Die-formed 20 gauge cold-rolled steel. Multiple upper wire entrances available for continuous row mounting of fixtures.

Weight

Maximum 3.5lb/ft.

Optical System

Performance version: White light emitted from the LED sources is internally reflected and laterally redirected by a biconvex lens. Light is then reflected by Miro Silver panels and exits through the optical lens assembly. This assembly contains acrylic extrusion profiles to retain a layer of MesoOptics film, creating both an uninterrupted continuum of light and an optical batwing distribution.

Definition version: Light passes through a diffuse white acrylic lens to deliver a highly uniform luminous continuum.

Driver

Philips PoE Lighting Controller.

Lumen Maintenance

At an ambient temperature of 25°C in non-insulated contact applications, the LED lumen maintenance expectation for each lumen package is:

G: L₉₀ (12k) 68,000 hrs

Mounting

Mounting brackets on housing sides support T-Grid installation.

Joints

Self-aligning joining system with hands-free pre-joining wire access.

Electrical

Wire Access Cover provides RJ45 connection point for PoE network.

Approvals

Certified to UL, CSA and IES standards. Insulation Contact (IC) rated.

Finish

Extruded aluminum trim and die-cast endplates coated with electrostatically applied and thermally cured polyester powder coat paint finish.

Environment

Rated for dry or damp locations in operating ambient temperatures 0-40°C (32-104°F). Certain luminaire components may be adversely affected by contaminants. Damage caused by sulfur, chlorine, petroleum based solutions or other contaminants are not covered under warranty.

Due to continuing product improvements, Philips Ledalite reserves the right to change the specifications without notice.



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www.philips.com/luminaires

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