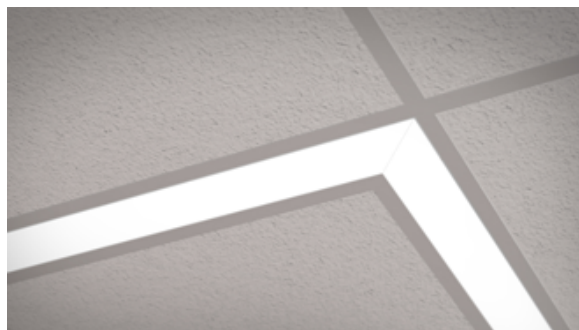


# Transforming light into an element of design

## TRUGROOVE FLAT CORNER DEFINITION LED PoE



DIRECT DEFINITION, FLUSH SILK LENS  
CRI >80 3000K, 2000 lm/4ft

**Project:**

**Spec Type:**

**Catalog No:** 39A0PCGL

**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="C"/>	<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="7"/>	<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

<input type="text" value="Recessed"/>	Mount Type Consult separate mounting spec sheet for mount type options
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**Integrated Controls** Please indicate with check mark.

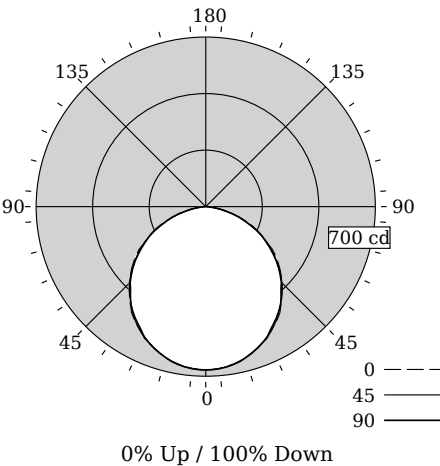
No Options Available



TRUGROOVE FLAT CORNER  
DEFINITION LED PoE

DIRECT DEFINITION, FLUSH SILK LENS

Photometry



Total Output	1894 lm
Efficacy	81.3 lm/W
CCT	3081K
CRI	82
R9	16
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	674	674	674	674	674	0
5	670	671	671	672	671	64
15	645	648	644	647	644	182
25	598	601	595	599	598	276
35	534	536	527	532	526	332
45	446	452	445	450	441	344
55	351	353	343	349	339	310
65	236	241	228	240	234	233
75	115	125	116	124	114	126
85	17	24	19	24	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	10	50	30	10	10
0		119	119	119	119	116	116	116	111	111	111	111	111
1		109	104	100	96	106	102	98	98	95	92	92	92
2		99	91	84	78	96	89	83	85	80	76	76	76
3		90	80	72	65	88	78	71	75	69	63	63	63
4		83	71	62	55	80	69	61	67	60	54	54	54
5		76	63	54	47	74	62	53	60	52	47	47	47
6		70	57	48	41	68	56	47	54	46	41	41	41
7		65	51	43	37	63	51	42	49	42	36	36	36
8		60	47	38	33	59	46	38	45	38	32	32	32
9		57	43	35	29	55	42	35	41	34	29	29	29
10		53	40	32	27	52	39	32	38	31	26	26	26

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	7007	6845	6764
65	6384	6170	6324
75	5060	5108	5029
85	2205	2520	2729

Electrical Specifications

Input Voltage	PoE (51-54VDC)
Input Power	23.3W
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

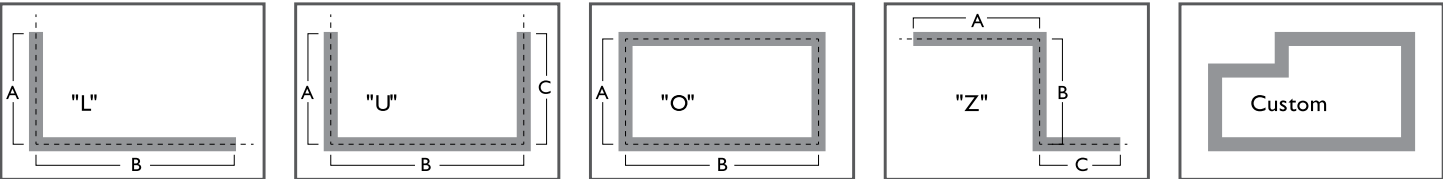
TruGroove LED Corners nominal sizes

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.

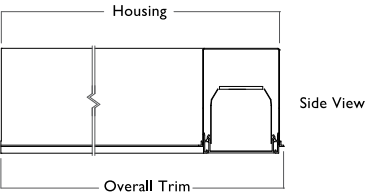
Flat Patterns – with flat corners; 2'x2' corners and straight sections in 4' increments only.



Module Dimensions

Flat 90° Lit Corner Units

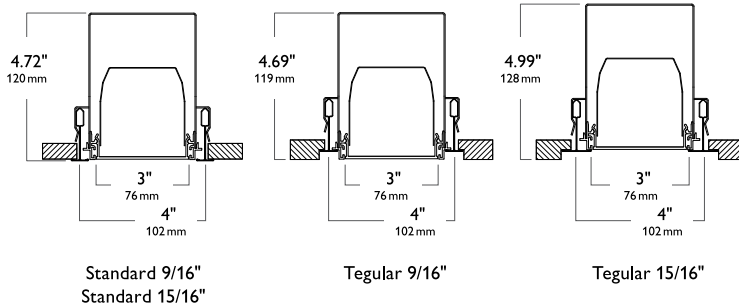
T-Grid



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

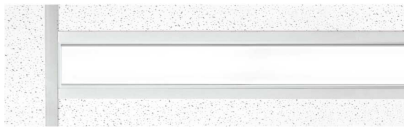
### T-grid\*



\* 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: L<sub>90</sub> (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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