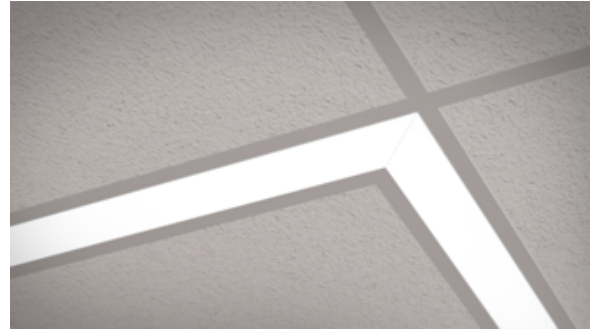


Transforming light into an element of design

TRUGROOVE FLAT CORNER PERFORMANCE LED PoE



DIRECT PERFORMANCE, FLUSH MESOOPTICS LENS
CRI >80 3000K, 2000 lm/4ft

Project:

Spec Type:

Catalog No: 39A1PCGQ

Qty

Line Notes:

Ordering guide

Product Type	Source	Color Temp *	Lumens *	Optics	Housing	Ceiling / Trim	Run Length	Wiring	Voltage	Driver
<input type="text" value="39A1"/>	<input type="text" value="P"/>	<input type="text" value="C"/>	<input type="text" value="G"/>	<input type="text" value="Q"/>	<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 Performance LED PoE	P LED PoE	A 4000K B 3500K C 3000K	G 2000 lm/4ft	Q Flush Meso Lens	S Standard	1 T-Grid	22 2x2	7 1 cct w/ Dimming	N Not applicable (Class 2)	E Standard



mesoOptics

* 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.

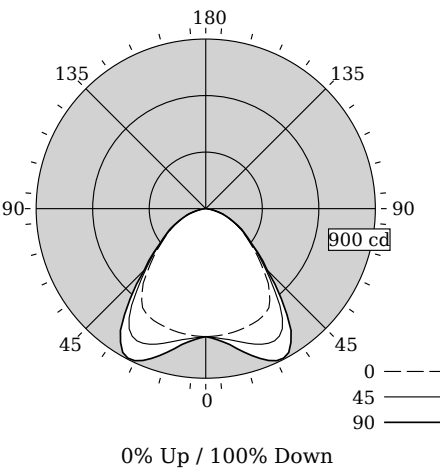
No Options Available



TRUGROOVE FLAT CORNER
PERFORMANCE LED PoE

DIRECT PERFORMANCE, FLUSH MESOOPTICS LENS

Photometry



Total Output	1919 lm
Efficacy	84.5 lm/W
CCT	3081K
CRI	82
R9	16
Distribution	0% Up / 100% Down
Spacing Criteria (0/90/180°)	1.36/1.56/NA
Meets RP-1-04 recommendations for VDT-Intensive 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	679	679	679	679	679	0
5	677	681	689	691	698	66
15	669	688	733	765	789	208
25	655	700	788	859	890	359
35	593	643	709	777	790	434
45	415	434	445	487	461	352
55	264	274	270	283	275	248
65	159	166	160	167	158	162
75	74	76	69	72	67	77
85	9	12	10	11	9	14
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	
0		119	119	119	119	116	116	116	111	111	111	111	
1		110	106	102	99	108	104	100	100	97	94	94	
2		101	94	88	83	99	92	87	89	84	80	80	
3		93	84	76	70	91	82	75	79	73	69	69	
4		86	75	67	61	84	74	66	71	65	59	59	
5		79	67	59	53	77	66	58	64	57	52	52	
6		74	61	53	47	72	60	52	58	51	46	46	
7		68	56	47	41	67	55	47	53	46	41	41	
8		64	51	43	37	62	50	42	49	42	37	37	
9		60	47	39	34	58	46	39	45	38	33	33	
10		56	43	36	30	55	43	35	42	35	30	30	

Avg. Luminance (cd/m2)

Vertical Angle	Horizontal Angle		
	0	45	90
55	5256	5391	5489
65	4292	4318	4284
75	3263	3051	2946
85	1237	1327	1211

Electrical Specifications

Input Voltage	PoE (51-54VDC)
Input Power	22.7W
Tested values – contact technical support for rated values. Standby power <0.9W for 4ft <1.8W for 8ft and <2.7W for 6ft	

Modules & Runs

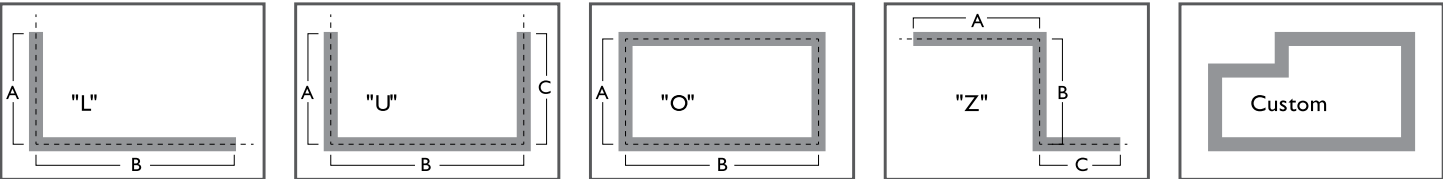
TruGroove LED Corners nominal sizes

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.

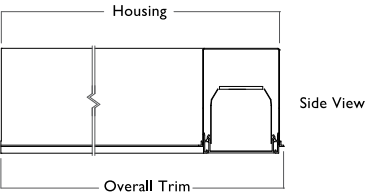
Flat Patterns – with flat corners; 2'x2' corners and straight sections in 4' increments only.



Module Dimensions

Flat 90° Lit Corner Units

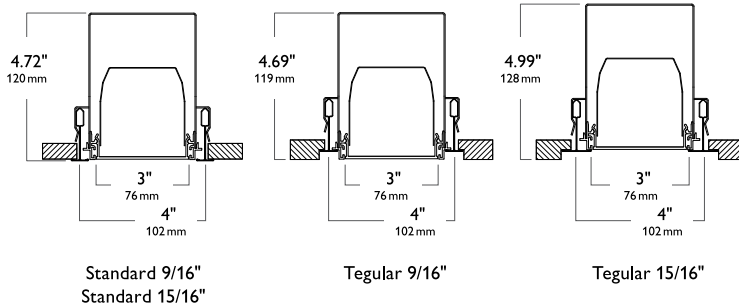
T-Grid



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

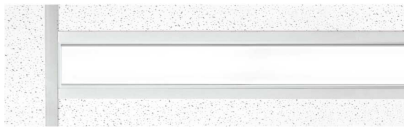
T-grid*



* 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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