

# Transforming light into an element of design

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

Project:

Spec Type:

Catalog No: 39C0PBGL

Qty

Line Notes:

## TRUGROOVE CONTINUOUS DEFINITION LED PoE



ACTILUME



### Ordering guide

Product Type	Source	Color Temp *	Lumens *	Optics	Housing	Ceiling / Trim	Run Length	Wiring	Voltage	Driver
<input type="text" value="39C0"/>	<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="XX"/>	<input type="text" value="7"/>	<input type="text" value="N"/>	<input type="text" value="E"/>
TruGroove Continuous 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	XX Total run length (4' increments)	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.

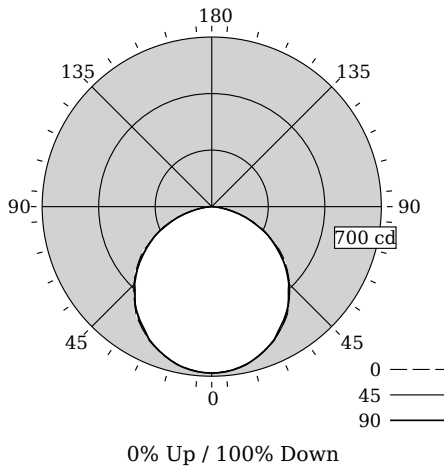
☐ Philips Actilume Daylight and Occupancy Sensor (DO) (only in end of run)



# TRUGROOVE CONTINUOUS DEFINITION LED PoE

DIRECT DEFINITION, FLUSH SILK LENS

## 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 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	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	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	

Modules & Runs

TruGroove Continuous LED nominal housing lengths  
4ft, 8ft and continuous runs in 4' increments

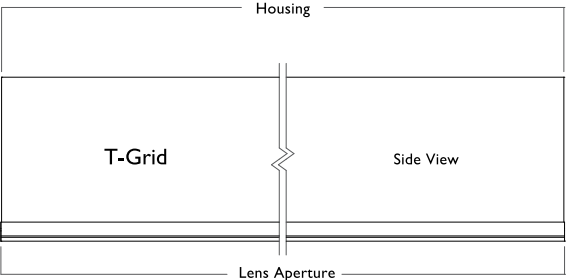
To simplify installation, there are both end-run units with one closed end and mid-run, open units.  
Refer to module size details below for actual dimensions. T-grid units fit within a standard 2' grid. To specify  
corners and patterns, refer to TruGroove Corners data sheets.

Continuous Run Example



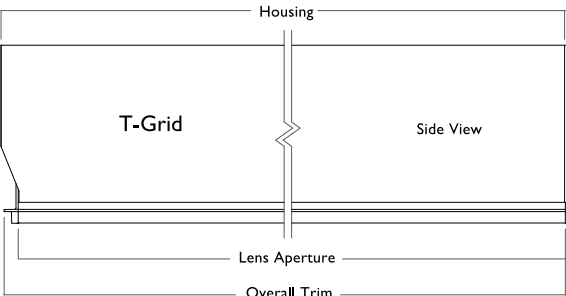
Module Dimensions

Continuous mid-run units



Nominal length	Housing & aperture
4ft	48.0"/1219 mm
8ft	96.0"/2438 mm

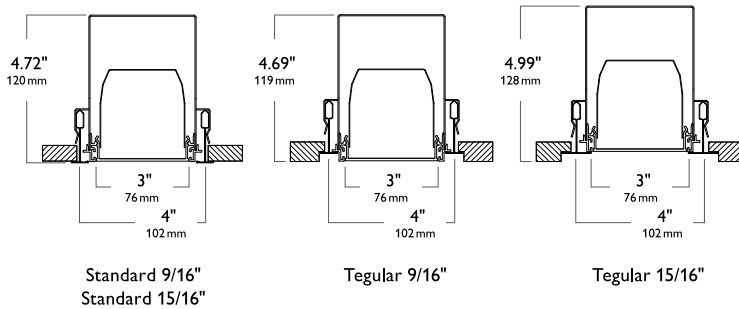
Continuous end-run units



Nominal length	Housing	Lens aperture	Trim – T-Grid
4ft	48.0"/1219 mm	47.5"/1207 mm	47.9"/1216 mm
8ft	96.0"/2438 mm	95.5"/2426 mm	95.9"/2435 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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