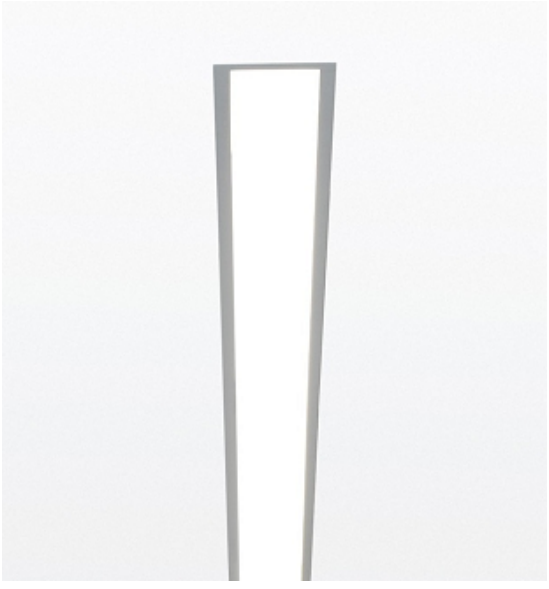
Transforming
light into
an element of
design

TRUGROOVE CONTINUOUS
PERFORMANCE LED PoE



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

Project:

Spec Type:

Catalog No: 39C1PCGQ

Qty

Line Notes:

Ordering guide

Product Type	Source	Color Temp *	Lumens *	Optics	Housing	Ceiling / Trim	Run Length	Wiring	Voltage	Driver
39C1	P	C	G	Q	S					
TruGroove Continuous 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	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

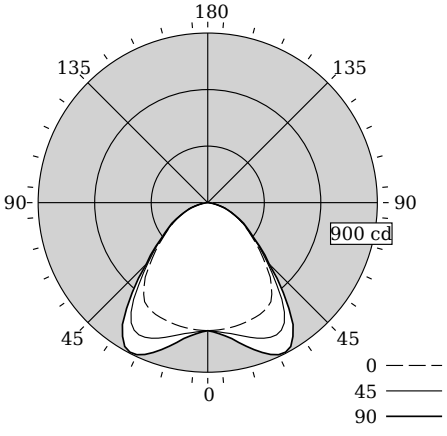
Recessed — Mount Type
Consult separate mounting spec sheet for mount type options

Integrated Controls Please indicate with check mark.

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

DIRECT PERFORMANCE, FLUSH MESOOPTICS LENS

Photometry



0% Up / 100% Down

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 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 0	22.5	45	67.5	90	Zonal Lumens
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:	80				70			50		
	Wall:	70	50	30	10	70	50	30	50	30	10
0		119	119	119	119	116	116	116	111	111	111
1		110	106	102	99	108	104	100	100	97	94
2		101	94	88	83	99	92	87	89	84	80
3		93	84	76	70	91	82	75	79	73	69
4		86	75	67	61	84	74	66	71	65	59
5		79	67	59	53	77	66	58	64	57	52
6		74	61	53	47	72	60	52	58	51	46
7		68	56	47	41	67	55	47	53	46	41
8		64	51	43	37	62	50	42	49	42	37
9		60	47	39	34	58	46	39	45	38	33
10		56	43	36	30	55	43	35	42	35	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 Continuous LED nominal housing lengths

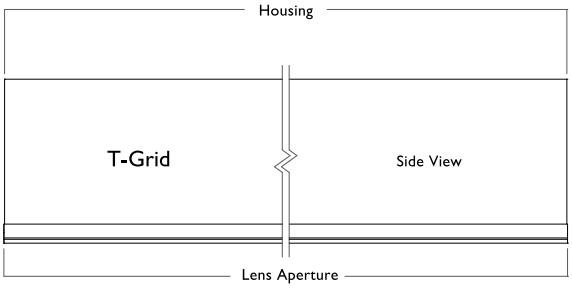
4ft, 8ft and continuous runs in 4' increments

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

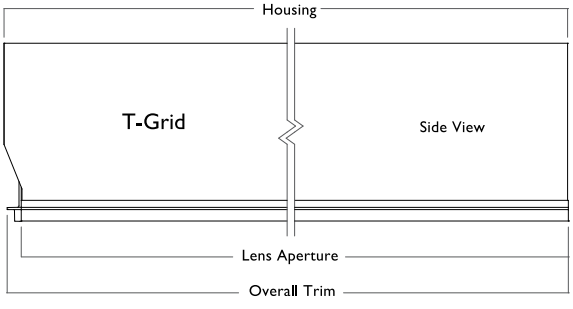
Module Dimensions

Continuous mid-run units



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

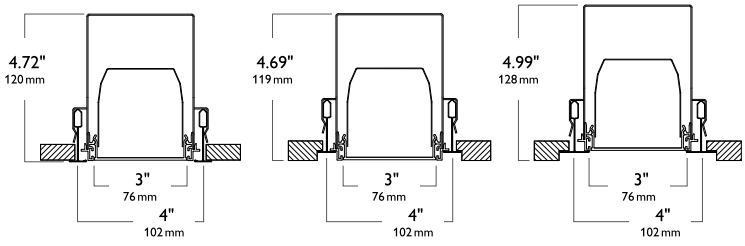
Continuous end-run units



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

Options and Details

T-grid*



Standard 9/16"
Standard 15/16"

Tegular 9/16"

Tegular 15/16"

* 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_{80} (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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