

TruGroove

Linear Recessed - Standalone

Direct Symmetric - Standard/Slot T-Grid

I T5HO



Project Name

Spec Type

Notes

Order Guide

For run lengths > 8ft. please consult the Continuous Specification Sheets.

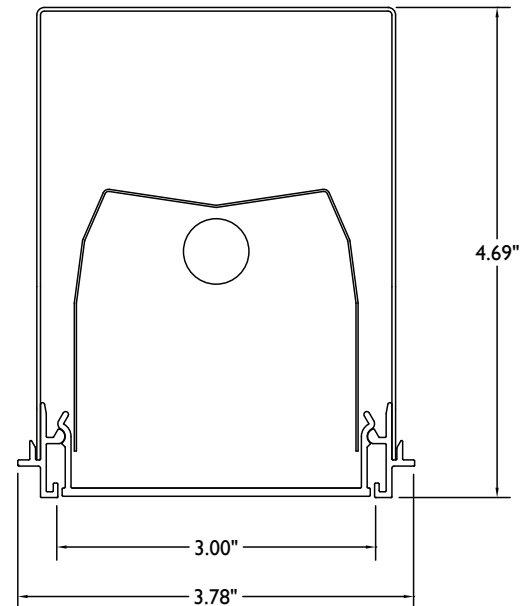
39SI	H	I0	Q	S	I				
Product Type	Light Source	Lamps	Optics	Housing	Ceiling/Trim	Run Length	Wiring	Voltage	Ballast
39SI TruGroove Standalone Symmetric	H T5HO	I0 1 Lamp	Q Flush MesoOptics Lens	S Standard	I Standard/Slot T-Grid	02 2 foot 04 4 foot 08 8 foot Consult factory for other standalone options.	1 1 cct 2 2 cct 3 1 cct w/emergency 5 1 cct w/battery pack 7 1 cct dimming Consult website for complete list of standard wiring options	1 120V 2 277V 3 347V	E Program Start F Fusing

Controls and Options (please indicate with a checkmark)

<input type="checkbox"/> Response Daylight Sensor For details visit ledalite.com/response	8ft Standalone Lamping Options Selecting the Optimum Overlap option ensures continuous luminance with no socket shadows.
<input type="checkbox"/> Lamps Supplied (not installed)	
	<input type="checkbox"/> Standard Alignment - 2 x 4ft Lamps <input type="checkbox"/> Optimum Overlap - 3 x 3ft Lamps Staggered <i>(For symmetric distribution only)</i>

A Commitment to Quality

All Philips Ledalite products are carefully tested and inspected before shipment and are warranted to be free of defects in material or workmanship for a period of two years for fluorescent systems from date of shipment from our factory.



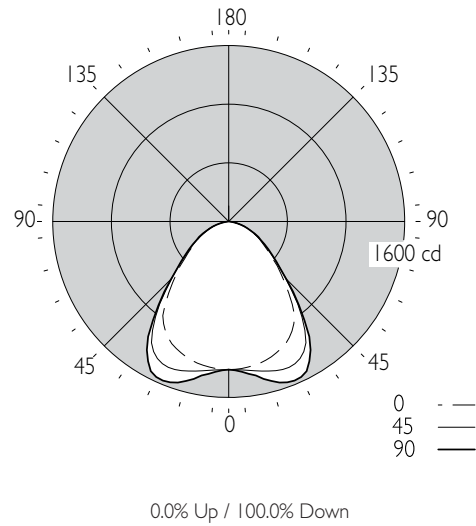
Note: Some combinations of product options may not be available.



Photometry Flush MesoOptics Lens

Report Summary

Efficiency 73.3% **Report No.** 9902695 **Filename** 39SIH10Qxx04
Efficacy 61.1 lm/W **Ballast Factor** 1 **Testing Voltage** 120V
Total Lumens 3297 lm



Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	1347	1347	1347	1347	1347	
5	1342	1345	1355	1362	1372	130
15	1305	1337	1408	1462	1501	398
25	1226	1301	1427	1532	1560	648
35	1045	1134	1208	1308	1278	740
45	671	726	735	797	740	577
55	407	439	429	455	440	394
65	245	262	254	267	261	258
75	116	120	117	123	115	127
85	14	19	15	19	16	24
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				Ceiling: 70				Ceiling: 50				0
	70	50	30	10	70	50	30	10	50	30	10	0	
0	87	87	87	87	85	85	85	85	81	81	81	73	
1	81	78	75	73	79	76	74	73	71	69	64	64	
2	75	69	65	61	73	68	64	65	62	59	55	55	
3	69	62	57	52	67	61	56	59	54	51	48	48	
4	63	56	50	45	62	55	49	53	48	44	42	42	
5	59	50	44	40	57	49	44	48	43	39	37	37	
6	55	46	40	35	53	45	39	44	39	35	33	33	
7	51	42	36	32	50	41	35	40	35	31	29	29	
8	47	38	32	28	46	38	32	37	32	28	27	27	
9	44	35	30	26	43	35	29	34	29	26	24	24	
10	42	33	27	23	41	32	27	32	27	23	22	22	

Based on a floor reflectance of 0.2

IES files for this and other photometric options can be downloaded online at ledalite.com

Avg. Luminance (cd/m²)

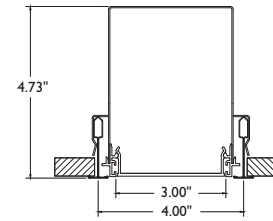
Vertical Angle	Horizontal Angle		
	0	45	90
55	7797	8219	8430
65	6370	6604	6786
75	4925	4967	4883
85	1765	1891	2017

View all 2ft Standalone Photometry at: ledalite.com/trugroove2ft

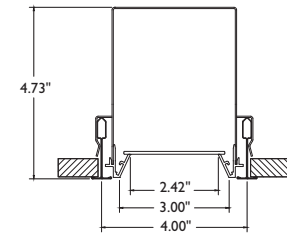
Dimensions & Details

T-GRID

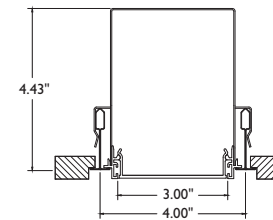
Compatible with TechZone™ 4" Ceiling Grid



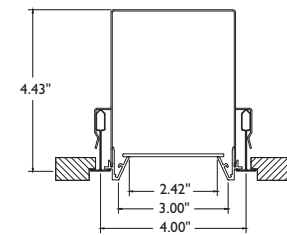
Flush Lens, Standard Grid 9/16" and Standard Grid 15/16"



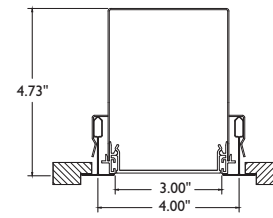
Regressed Lens, Standard Grid 9/16" and Standard Grid 15/16"



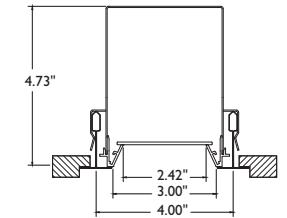
Flush Lens, Tegular 9/16"



Regressed Lens, Tegular 9/16"



Flush Lens, Tegular 15/16"



Regressed Lens, Tegular 15/16"

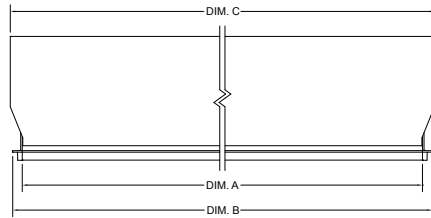
Note: TruGroove is designed for installation on main T's with 1 1/2" and 1 1/16" T-Bar height and 3/16" Tegular.

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Configurations

SIDEVIEW DIMENSIONS



NOMINAL LENGTH	DIM. A	DIM. B	DIM. C
	LUMINAIRE APERTURE	OVERALL TRIM	OVERALL HOUSING
2 FT	23.00" / 584mm	23.75" / 603mm	23.91" / 607mm
4 FT	47.00" / 1194mm	47.75" / 1213mm	47.91" / 1217mm
8 FT	95.00" / 2413mm	95.75" / 2432mm	95.91" / 2436mm

STANDALONE BOTTOMVIEWS

TruGroove standalone fixtures are available in nominal 2', 4' and 8' lengths. Dimensions for standard nominal lengths are indicated above. To specify continuous runs, see the TruGroove Continuous Specification Sheets for fluorescent or LED.

2ft

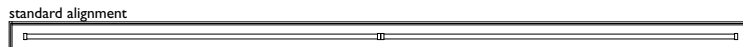


4ft



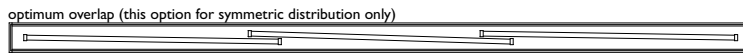
8ft

(2 x 4ft lamps)



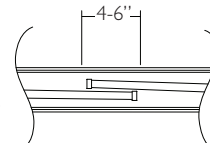
8ft

(3 x 3ft lamps)



Optimum Overlap Design

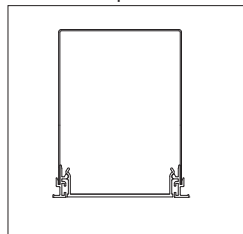
Lamps are spaced with 4" to 6" overlap to eliminate socket shadows and ensure uniformity.



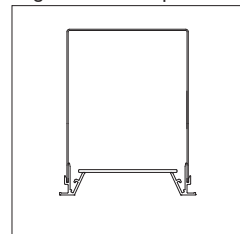
MesoOptics LENS OPTIONS

Two lens options are available with most TruGroove configurations— a Flush or a Regressed MesoOptics acrylic lens.

Flush MesoOptics Lens



Regressed MesoOptics Lens



Not available in asymmetric configurations

Specifications

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

Housing

Die-formed 20 gauge cold rolled steel with aluminum trim. Multiple wire entrances are available on top to allow continuous row mounting of fixtures.

Optical System

The optical lens assembly consists of acrylic extrusion profiles holding a layer of MesoOptics which efficiently controls high angle glare. The reflector system comprises Miro Silver reflectors optimized to work with MesoOptics to simultaneously homogenize light while creating a batwing distribution in the lower hemisphere.

Weight

Maximum 3.5lb/ft

Mounting

Mounting brackets on side of housing supports t-bar installation. 1/16" diameter aircraft cable with self-locking, tamper-resistant, miniature cable gripper provides vertical adjustment for drywall. Aircraft cable, crimp and cable gripper independently tested to meet stringent safety requirements.

Electrical

Factory pre-wired to section ends with quick-wire connectors.

Ballast

Electronic. Supplied with factory pre-installed ballast disconnects as per electrical codes.

Approvals

Certified to UL, IES & CSA Standards.

Finish

Extruded aluminum trim and die-cast endplates coated with electrostatically applied and thermally cured polyester powder coat paint finish. Other custom colors are available; consult factory for details.

Environment

Rated for dry or damp locations in operating ambient temperatures of 0-40°C (32-104°F).

