

# TruGroove

Linear Recessed - Standalone

Direct Symmetric - Standard/Slot T-Grid

I T5



Project Name

Spec Type

Notes



## Order Guide

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

39SI	F	I0	Q	S	I				
Product Type	Light Source	Lamps	Optics	Housing	Ceiling/Trim	Run Length	Wiring	Voltage	Ballast
39SI TruGroove Standalone Symmetric	F T5	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

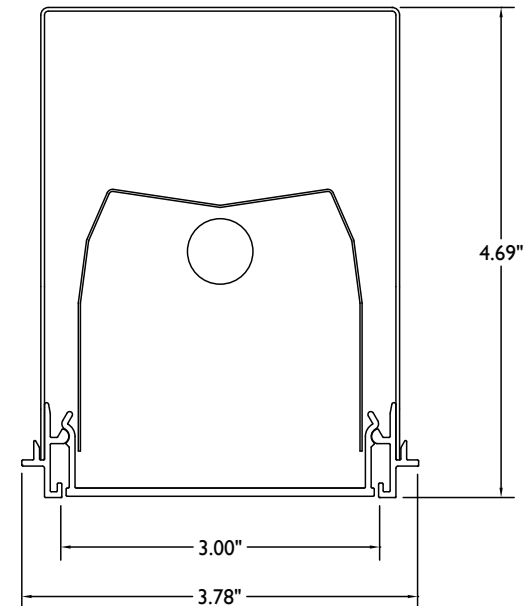
## Controls and Options (please indicate with a checkmark)

<input type="checkbox"/> Response Daylight Sensor For details visit <a href="http://ledalite.com/response">ledalite.com/response</a>	<b>8ft Standalone Lamping Options</b> 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 (For symmetric distribution only)

## 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.



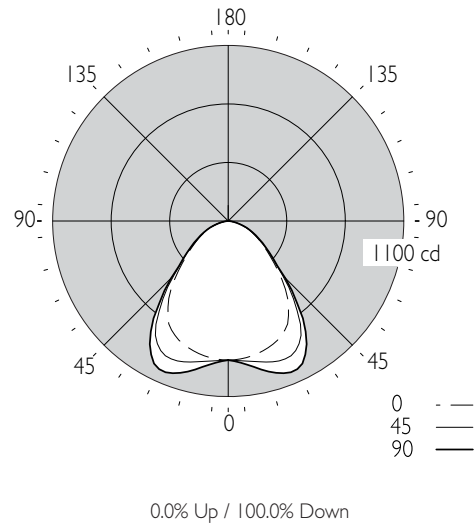
## Photometry Flush MesoOptics Lens

### Report Summary

**Efficiency** 82.7%  
**Efficacy** 70.9 lm/W  
**Total Lumens** 2149 lm

**Report No.** 9902690  
**Ballast Factor** 1

**Filename** 39SIF10Qxx04  
**Testing Voltage** 120V



### Candela Distribution

Vertical Angle	Horizontal Angle					Zonal Lumens
	0	22.5	45	67.5	90	
0	872	872	872	872	872	
5	868	870	879	882	891	84
15	842	866	915	950	977	258
25	790	846	932	1002	1024	423
35	658	726	789	860	846	482
45	441	464	481	522	505	378
55	268	283	281	298	286	257
65	161	169	167	176	168	168
75	75	80	75	81	73	83
85	10	13	10	14	11	16
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				0
	70	50	30	10	70	50	30	10	50	30	10	0	0
0	98	98	98	98	96	96	96	96	92	92	92	83	
1	91	88	85	82	89	86	83	83	80	80	78	72	
2	84	78	73	69	82	77	72	74	70	67	62		
3	78	70	64	59	76	69	63	66	61	58	54		
4	72	63	56	51	70	62	56	60	54	50	47		
5	66	57	50	45	65	56	49	54	48	44	42		
6	62	51	45	40	60	51	44	49	44	39	37		
7	57	47	40	36	56	46	40	45	39	35	33		
8	54	43	37	32	52	43	36	41	36	32	30		
9	50	40	33	29	49	39	33	38	33	29	27		
10	47	37	31	26	46	36	30	36	30	26	25		

Based on a floor reflectance of 0.2

IES files for this and other photometric options can be downloaded online at [ledalite.com](http://ledalite.com)

### Avg. Luminance (cd/m<sup>2</sup>)

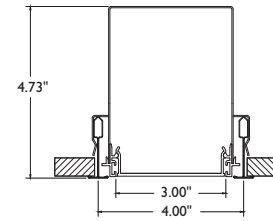
Vertical Angle	Horizontal Angle		
	0	45	90
55	5134	5383	5479
65	4186	4342	4368
75	3184	3184	3099
85	1261	1261	1387

View all 2ft Standalone Photometry at: [ledalite.com/trugroove2ft](http://ledalite.com/trugroove2ft)

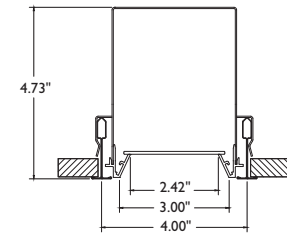
## Dimensions & Details

### T-GRID

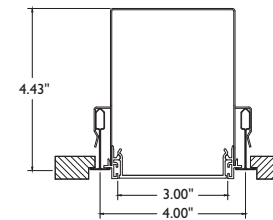
Compatible with TechZone™ 4" Ceiling Grid



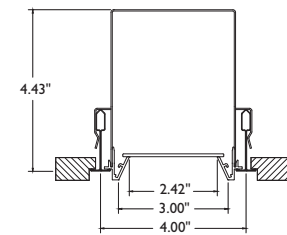
Flush Lens, Standard Grid 9/16" and Standard Grid 15/16"



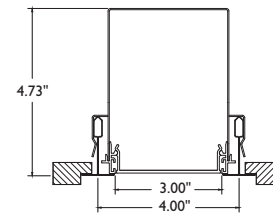
Regressed Lens, Standard Grid 9/16" and Standard Grid 15/16"



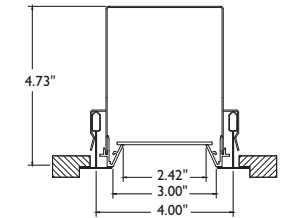
Flush Lens, Tegular 9/16"



Regressed Lens, Tegular 9/16"



Flush Lens, Tegular 15/16"



Regressed Lens, Tegular 15/16"

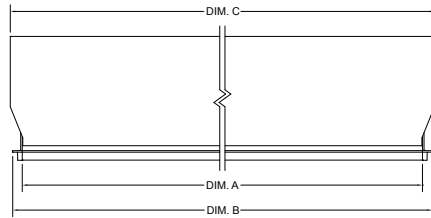
Note: TruGroove is designed for installation on main T's with 1 1/2" and 1 1/16" T-Bar height and 3/16" Tegular.

# TruGroove

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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.

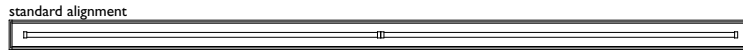
2ft



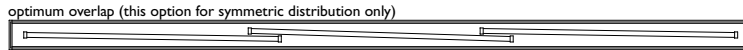
4ft



8ft  
(2 x 4ft lamps)

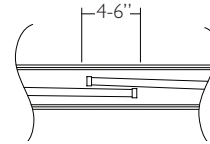


8ft  
(3 x 3ft lamps)



### Optimum Overlap Design

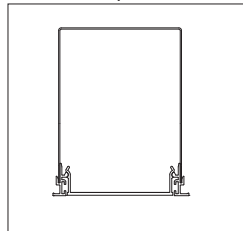
Lamps are spaced with 4" to 6" overlap to eliminate socket shadows and ensure uniformity.



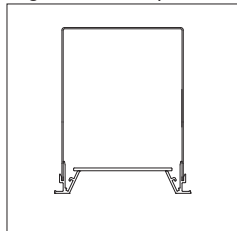
### MesoOptics LENS OPTIONS

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).

