

# SHALO ULTRA 1.5

## SURFACE



Shalo Ultra 1.5" fixtures provide high-quality illumination in the tightest spaces with remote drivers and a sleek, ultra-slim 0.5" profile. Designed exclusively for surface mounting, they suit all ceiling types and are ideal for applications with minimal plenum clearance.

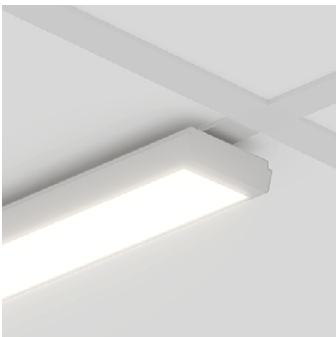


**SENSORS**  
For latest information on sensors, click [here](#).



Brochure

Grid



Drywall and hard surfaces



Wood slat



Magnet



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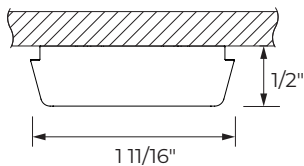
Project: \_\_\_\_\_

Type: \_\_\_\_\_

## Order Guide

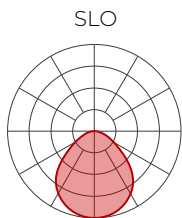
LUMINAIRE ID	DISTRIB.	OPTIC	LIGHT SOURCE	CRI	LUMEN PACKAGE	COLOR TEMP.	LUMINAIRE LENGTH
SHLU1.5S	D	SLO	SW				
SHLU1.5S - Shalo Ultra 1.5" Surface	D - Direct	SLO - Shallow Lambertian Optic	SW - Static white	80CRI - 80+ CRI 90CRI - 90+ CRI	250LMF - Hypo output 250 lm/ft 350LMF - Low output 350 lm/ft 500LMF - Medium output 500 lm/ft 750LMF - High output 750 lm/ft	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	#FT#IN - Specify nominal length (#) in 1' and/or 4" increments  Standard nominal lengths: Single units: 2' to 8' Continuous runs: lengths over 8'
VOLTAGE	REMOTE DRIVER <sup>2</sup>		ELECTRICAL	MOUNTING	FINISH	WIRE HARNESS LENGTH <sup>7</sup>	OPTION
			1C				
120V - 120V 277V - 277V UNV - 120V-277V 347V <sup>1</sup> - 347V  <sup>1</sup> Available with RD1 driver only.	RD1 - 1% 0-10V RELV <sup>3</sup> - ELV 120V RTRI <sup>3</sup> - TRIAC 120V RDA <sup>4</sup> - DALI RLDEI <sup>4</sup> - Lutron Hi-Lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V  <sup>2</sup> A remote driver box is provided. <sup>3</sup> Available with 120V only. <sup>4</sup> On-site commissioning is required.		1C - 1 circuit	TCTB9 - Twist clip T-bar, 9/16" TCTB15 - Twist clip T-bar, 15/16" TCTG9 - Twist clip tegular, 9/16" TCTG15 - Twist clip tegular, 15/16" TCST - Twist clip screw slot UCC <sup>5</sup> - Universal ceiling clip SLT - Wood slat ceiling bracket MAG <sup>6</sup> - Magnet  <sup>5</sup> For drywall and hard surfaces. <sup>6</sup> For ferrous structures.	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	10FT - 10' 20FT- 20' 30FT- 30' 50FT- 50' 70FT- 70' 90FT- 90'  <sup>7</sup> Low-voltage, plenum-rated wire harness for remote driver only.	FU120 - Fuse 120V FU277 - Fuse 277V NA - None

## Dimensions



## Photometrics

Values calculated based on a 4' fixture at 3500K and 90+ CRI.



LM/FT	W/FT	LM/W
250	2.7	93
350	3.9	91
500	5.6	89
750	8.6	87

### MULTIPLIER TABLE

Use this table to get results for different color temperatures and CRI for the photometric table.

Multiplier - CCT/CRI

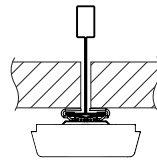
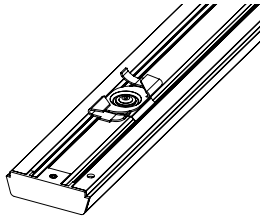
CCT	WATTS		LPW	
	80+ CRI	90+ CRI	80+ CRI	90+ CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

# SHALO ULTRA 1.5

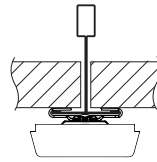
## SURFACE



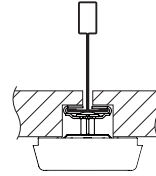
### Mounting



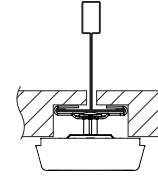
TCTB9  
Twist clip T-bar, 9/16"



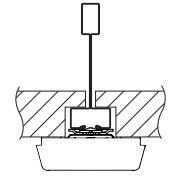
TCTB15  
Twist clip T-bar, 15/16"



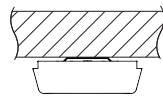
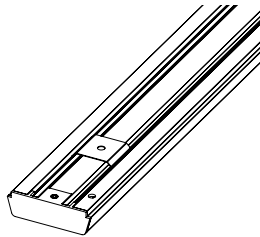
TCTG9  
Twist clip tegular, 9/16"



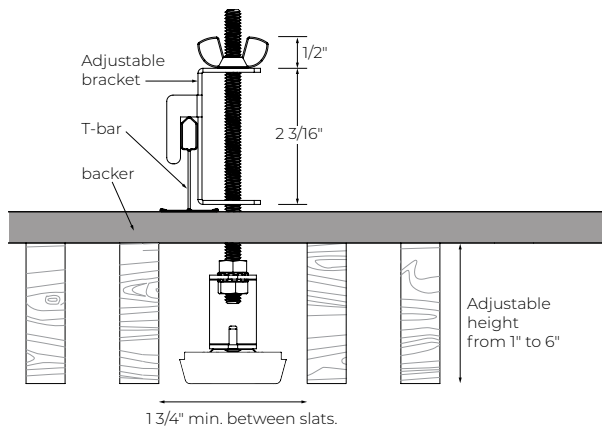
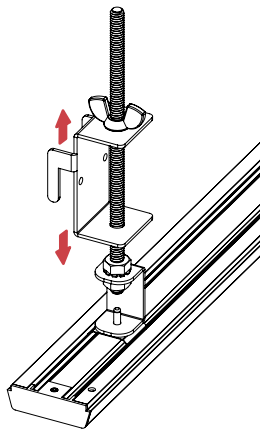
TCTG15  
Twist clip tegular, 15/16"



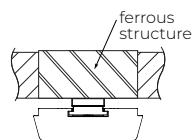
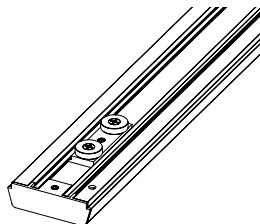
TCST  
Twist clip screw slot



UCC - Universal ceiling clip  
(Drywall and hard surface)



SLT - Wood slat ceiling bracket  
With T-bar sub-ceiling.



MAG - Magnet

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## SURFACE



## Technical Specifications

### OPTIC

#### Shallow Lambertian Optic (SLO)

A low-profile optic with diffusing acrylic that provides wide light distribution, with matte white reflectors enhancing LED output spread.

### LIGHT SOURCE

#### Static white

Custom array of mid-flux LEDs are cartridge-mounted with quick-connect wiring to facilitate service and thermal management. Available in 2700K, 3000K, 3500K, 4000K, and 5000K with a minimum 80+ CRI and an option for 90+ CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. LEDs operate at reduced drive current to optimize efficacy and lumen maintenance. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

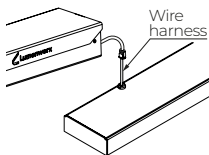
### LUMINAIRE LENGTH

Shalo Ultra 1.5 is available in standard lengths of 2' to 8'. Continuous runs are available for run lengths over 8'. Exact run length must be noted in the product code. The minimum length is 2', and can be ordered in 1' and/or 4" increments. All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.

### ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277 VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Other specifiable options include Lutron Hi-Lume 1% Eco, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, ELV, TRIAC, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

### Remote



### PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire or as a remote module. These must be addressed and evaluated on a case-by-case basis.

### MOUNTING

Fixtures can be mounted directly to T-bar, drywall and hard surface ceilings, hardware supplied by others. Long runs require a minimum distance of 2" from the vertical wall.

### FINISH

**Interior:** 95%, reflective matte powder coated white paint.

**Exterior:** Matte white, matte black or aluminum powder coating.

### CONSTRUCTION

**Housing:** Extruded aluminum, up to 90% recycled content

**Joining system:** Die-cast zinc

**Reflectors:** Plastic

**Lens:** Acrylic

**End cap:** Die-cast aluminum

### WEIGHT

0.5 lb/ft - 0.23 kg/ft

### CERTIFICATION

**ETL:** Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

### WARRANTY

Lumenwerx provides a five-year limited warranty on electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.