

FLRS - Fidelux Integrated Single Linear Retrofit & Luminaire

Product Description

Single T5 Integrated Light The high-efficacy light engine delivers long life and excellent color, ensuring a superior quality lighting. Bars are connectable with optional connecting cord or connector.

Features & Benefits

- Long life
- Excellent color
- T5 Bars are connectible
- Optional connection cord or connector

Applications

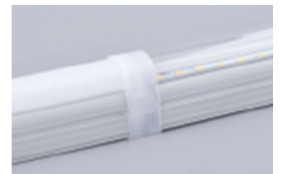
- Offices
- Restaurants
- Recreation Rooms
- Corridors
- Sign Lighting

Mounting Options

- Surface mount/ Magnet or Screw
- Any T5/T8 Retrofit Applications
- Highbay, Troffer, Vapor-tight
- Any linear indoor and outdoor retrofit

Regulatory & Voluntary Qualifications

- ETL, Damp Location under covered ceiling, Indoor use only
- Most of our products are DLC listed, qualifying them for the highest rebates. Please check individual product specs for DLC status. Refer to DLC website by clicking this link: <https://www.designlights.org>



Performance Summary

Efficacy up to: 120 l/pw

CRI up to: 84.3 cri

CCT: 3000K / 4000K / 5000K

Dimming: Non Dim

Operating Temp: -4°F to 104°F (-20°C to 40°C)

Input Voltage: 120-277vac

Operating Frequency: 50 / 60Hz

Power Factor up to: >0.95

Beam Angle: 120°

Dimension: 1, 2, 3, 4, 5, 6, 8 feet

L70 Lifetime Hrs: 55,000+ Hrs (TM21)



FLRS Series Specification Summary

DATA SOURCE							
Product Number	FLRS1-4W	FLRS2-7W	FLRS3-12W	FLRS4-15W	FLRS5-20W	FLRS6-22W	FLRS8-30W
Size	1FT	2FT	3FT	4FT	5FT	6FT	8FT
Efficacy l/pw @ 5000K	120	113	116	114	104	120	120
Input Power: Watts	4	7.17	11.59	15.24	17.71	22	30
Lumens @ 3000K	430	807	1342	1740	1833	2370	3240
Lumens @ 4000K	435	807	1440	1760	2100	2400	3270
Lumens @ 5000K	440	840	1440	1760	2100	2640	3600
Qualifications	ETL	ETL,DLC 4.4	ETL, DLC 4.4	ETL, DLC 4.4	ETL,DLC 4.4	ETL	ETL
CRI	80	83.2	83.1	82.7	84.3	80	80
Power Factor	0.95	0.93	0.87	0.94	0.95	0.90	0.90
THD @ 120vac	14.00%	14.78%	19.92%	15.63%	13.76%	13.50%	14.50%
CCT/Kelvin Temp Options	30 / 40 / 50 Kelvins						
Operating Frequency	50 / 60Hz						
Dimming	Non Dim						
Input Voltage Options	120-277vac						
L70 Lifetime Hrs	55,000+ Hours (TM-21)						
Optics / Beam Angles	120 degree Beam Angle						
Lens Types	Frosted (Standard)						
Ambient Working Temp	-4°F to 104°F (-20°C to 40°C)						
Linear Configuration	200W Limit per continuous Linear Light runs						
Connection Options	Power input cord, Male, Type A - Linkable Power cord, Type B - Joining connector						
Max Dimensions (in)	1"x1.5"x12"	1"x1.5"x24"	1"x1.5"x36"	1"x1.5"x48"	1"x1.5"x60"	1"x1.5"x72"	1"x1.5"x96"
Total Weight	0.325 lbs	0.65 lbs	0.975 lbs	1.00 lbs	1.625 lbs	1.95 lbs	2.00 lbs
Limited Warranty	5 Yrs.						

Notes

Values are nominal unless noted +/- 5%
Specifications change without notice

FLRS Series Product Ordering Guide

Example: FLRS2-7W-40K

Product	CCT/Color Temp	Lens Type	Voltage
FLRS1-4W	30K (3000 Kelvin)	Blank (Frosted)	Blank (120/277vac)
FLRS2-7W	40K (4000 Kelvin)		
FLRS3-12W	50K (5000 Kelvin)		
FLRS4-15W			
FLRS5-20W			
FLRS6-22W			
FLRS8-30W			

Field Installed Accessories

Power Cord	Power input power cord with Female to Striped wire ends (comes 1 per fixture)
Type A, Linkable Power cord	Type A, Linkable Power Cord with Male to Female ends (comes 1 per fixture)
Type B, Joining connector	Type B, Small connector to join fixtures, Flush connector with Male to Female ends (comes 1 per fixture)
Frosted lens	Frosted Lens cover (specified lens comes standard)
Clear lens	Clear Lens (special order only)
Surface Mount Clips	Clips for Surface mount (comes 2 per fixture with hardware)
3 pin End cover	Blank cover for 3 pin connector (comes 1 per fixture)

FLRS Series Standard Accessories (items below come with every fixture)

Length for power cord or connection cable can be customized



9" inch power cord



Type A - (9") inch connection cable



Type B - Small connector



Clips



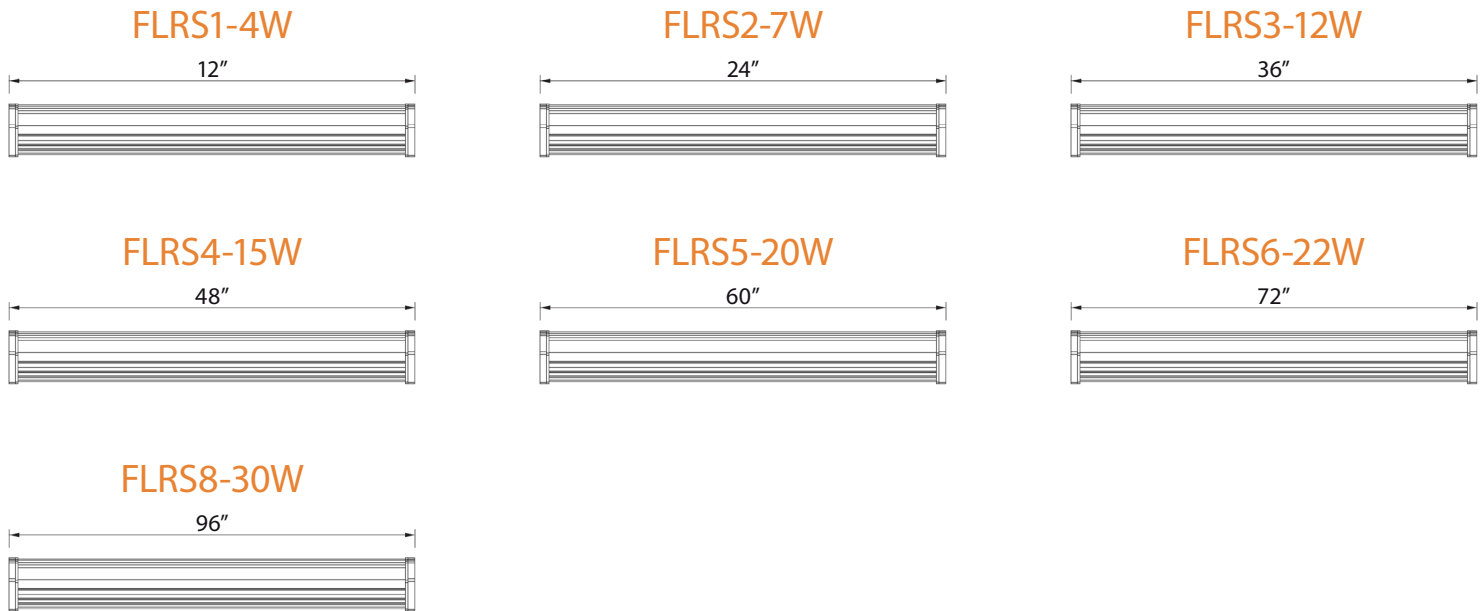
Anchors & Screws



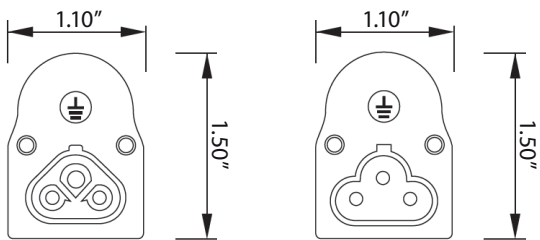
Protective cover

FLRS Series Design Details & Photometry

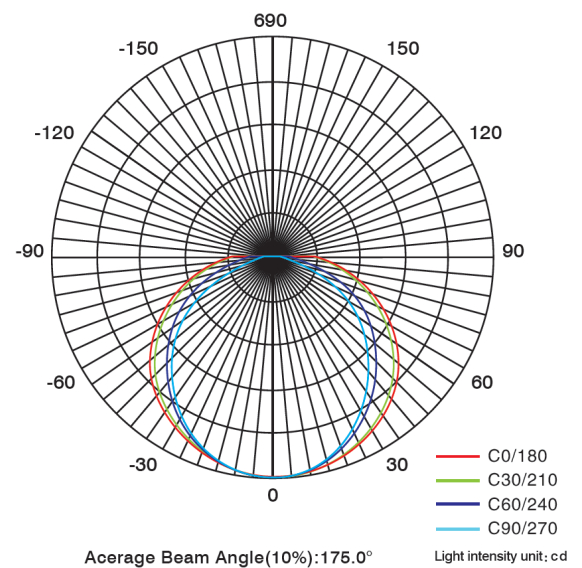
FLRS Series Length



FLRS Series Height and Width For all FLRS Series Product



FLRS Series Light Distribution Curve



FLRS Series Installation Instructions

For all FLRS Series Product

WARNING ⚠

Disconnect power before installation, must be installed by licensed electrician.

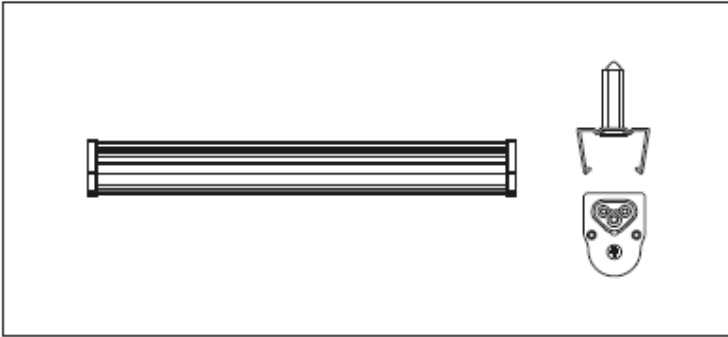
Please use it under correct input power range.

This tube is non-dimmable.

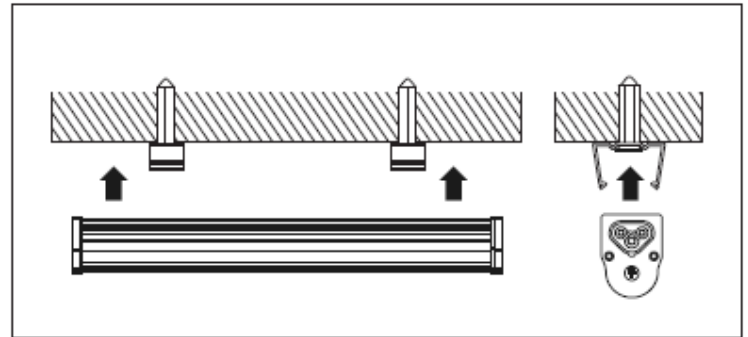
Do not use in the outdoor environment.

If the product does not operate properly, check connections after the power is turned off, in case of failure replace the fixtures.

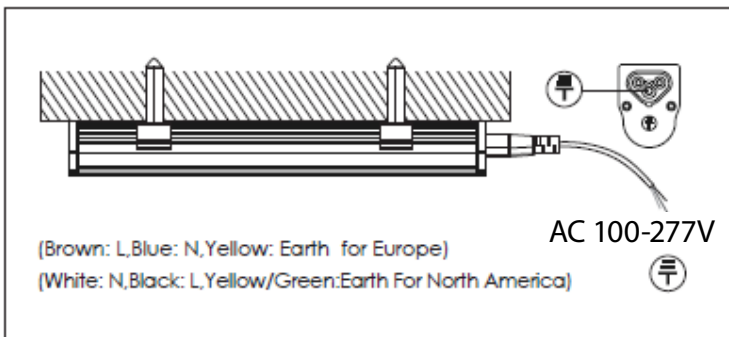
1. Measure and mark location of FLRS tube then anchor the clip to surface



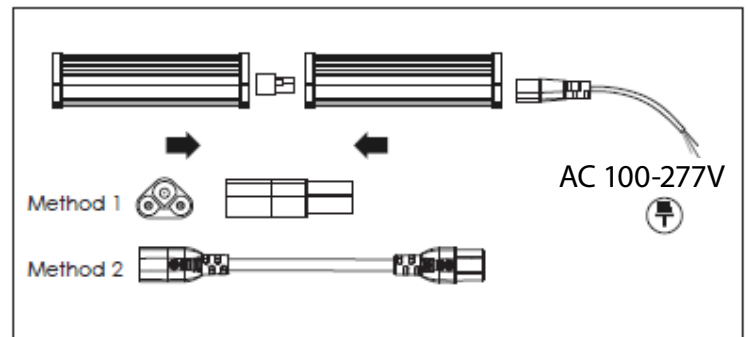
2. Fix the FLRS tube to the ceiling or wall using the clip



3. Connect the power cord to the FLRS tube



4. Connect up by linkable connector, done



Caution: The integrated tubes can be connected up to 200 watts total

