

JSTR SERIES STAIRWELL & STRIP LIGHTS

PRODUCT DESCRIPTION

The Jademar JSTR Linear LED Strip Light is compact diffused LED strip light for commercial, retail and residential purpose. Integral of new trend of field adjustable functions provide our customers greater flexibilities on wattages and color temperatures.

The JSTR series is ideal for stairwell, passageway, general lighting where stand alone single or grouped controlled motion and or daylight operation is required.

STANDARD FEATURES

Construction and Materials

- 22 Gauge White Powder Painted Steel
- 88% Transmission Rate Frosted PC Diffuser

Optical System

- 180° Light Distribution

Electrical System

- Primary Input Power:
 - 2FT (30W / 20W / 15W / 10W)
 - 4FT (40W / 25W / 18W / 12W)
 - 8FT (80W / 70W / 60W / 45W)
- Input Voltage: 120-277VAC
- CCT: CCT Selectable (3000K/3500K/4000K/5000K)
- Efficacy: 135 lm/W on average
- Power Factor: >0.95
- CRI: >80
- Operating Temp: -13°F to 131°F (-25°C to 50°C)
- Total Harmonic Distortion: 15%
- Integral Surge Protection: L/N-PE: 2kV, L-N: 2kV

Dimming and Controls

- 0-10V Continuous Dimming and 12VDC Auxiliary Output Standard

Certifications and Compliance

- ETL Listed
- ADA Compliant
- Ingress Protection: IP20 Suitable for Damp Locations
- RoHS compliant
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions
- **Lifetime Based on TM21:** L70 ≥ 206,000 / L80 ≥ 130,000 / L90 ≥ 63,000 Hrs

OPTIONAL FEATURES

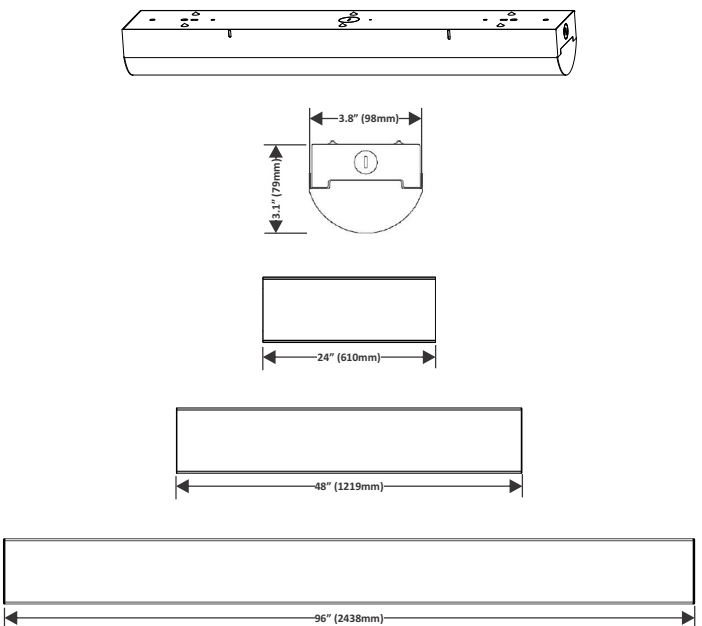
- CRI 90 (Color rendering index) option
- Custom Power Cord Length Option
- Nema Power Plug
- 8W & 15W Self Diagnostic Li-ion Emergency Battery Pack Unit [90 minutes]
- Hand Held Remote Control Bi-level Microwave Occupancy Sensor
- 6ft-3/8" Metal conduit/flex conduit, 1/2" quick connectors, #18 solid(600v)-5 wire-(black, white, green, violet, grey)
- LINK3-3 [3ft+3ft Total of 6ft distance between two fixtures]
- IP66 Waterproof
- Male & Female quick connect
- Wire guard options for 2FT / 4FT / 8FT
- Surface Mount X-Cable Kit with S-Hook - 10ft

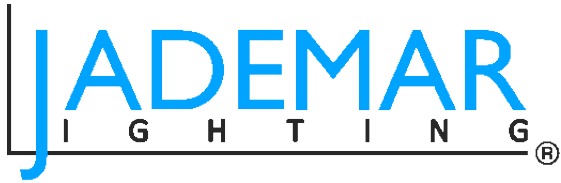


PERFORMANCE SUMMARY

Input Power	130W / 170W / 255W / 300W / 400W
Max Dimensions	2FT (30W / 20W / 15W / 10W) 4FT (40W / 25W / 18W / 12W) 8FT (80W / 70W / 60W / 45W)
Efficacy	135 lm/W
CRI	>80 CRI Standard / >90 Optional
CCT	Selectable (3000K / 3500K / 4000K / 5000K)
Input Voltage	120-277VAC
Dimming & Control	0-10V Continuous Dimming Standard
Ingress Protection	For Damp Locations
Mounting	Surface Mount / Wall Mount / Suspended Mount with Optional Air Craft Cable
Lifetime Based on TM21	L70 > 206,000 / L80 >130,000 / L90 > 63,000 Hrs
Limited Warranty	10 Years

PRODUCT DIMENSIONS





SPECIFICATION SUBMITTAL DETAIL

Project Name/Type:		Date:
Catalog/Part #:		

JSTR 2FT/4FT/8FT STAIRWELL STRIP LUMINAIRE

Ordering Information / Example: **JSTR2-30W-CT-DSP-BMWO-EM8-MC6**

Product Series	CCT	Input Voltage	Dimming	Controls Options	CRI	Emergency Backup	Other Options
JSTR2-30W-CT-DSP	Blank (Switch: 30K/35K/40K/50K)	Blank (100-277VAC)	Blank (0-10V Dimming DR12VDC AUX)	BMWO (Bi-Level Built-In Microwave Occupancy Sensor)	Blank (80 CRI) Standard	EM8 (8W EM Pack)	PWXC (Extra Power Cord Length)* PWP (Power Plug Option) MC6 (6FT-3/8" Metal/Flexible Conduit) LINK3-3 (3ft+3ft based on total of 6ft distance between two fixtures)
JSTR4-40W-CT-DSP							
JSTR8-80W-CT-DSP							
JSTR2-30W-DSP	30K (3000K)	Standard H (100-347VAC)			90 (90 CRI) Optional	EM15 (15W EM Pack)	*Specify Length in place of X
JSTR4-40W-DSP	35K (3500K)						
JSTR4-40W-DSP	40K (4000K)						
JSTR8-80W-DSP	50K (5000K)						

FIELD INSTALLED OPTIONS

BMWO-02-RC	Hand held remote control: Ordered with only BMWO sensor with hand held programming feature
JSTR2-WG	Wireguard - 2' for JSTR
JSTR4-WG	Wireguard - 4' for JSTR
JSTR8-WG	Wireguard - 8' for JSTR
SUK-AC-10FT	Jademar X- Cable Kit with S-Hook- 10ft

LUMEN PERFORMANCE AND ELECTRICAL DATA TABLE

Product Series	Model Number	DLC QPL ID#	Size	Max Dimension	Wattage	Input Voltage	CCT	Lumen Output	Efficacy (lm/W)	Lens	Life Hours	CRI	THD	Certifications
JSTR2-30W	JSTR2-10W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-7MS365	2FT	24" x 4" x 3"	10W	100-277VAC 100-347VAC	3000K	1260	127	Frosted	L90 >36000 Hrs	>80	>15%	ETL
	JSTR2-10W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	1290	130					
	JSTR2-10W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	1320	133					
	JSTR2-15W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-7ALK2R			15W		3000K	1940	127					
	JSTR2-15W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	1980	130					
	JSTR2-15W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	2020	132					
	JSTR2-20W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-G55AYD			20W		3000K	2740	128					
	JSTR2-20W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	2810	131					
	JSTR2-20W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	2870	134					
	JSTR2-30W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-NWUGLO			30W		3000K	3840	128					
	JSTR2-30W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	3850	130					
	JSTR2-30W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	3930	133					
JSTR4-40W	JSTR4-12W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-K3PIQA	4FT	48" x 4" x 3"	12W	100-277VAC 100-347VAC	3000K	1560	128	Frosted	L90 >36000 Hrs	>80	>15%	ETL
	JSTR4-12W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	1590	131					
	JSTR4-12W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	1610	133					
	JSTR4-18W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-GCILQZ			18W		3000K	2200	128					
	JSTR4-18W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	2320	131					
	JSTR4-18W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	2370	133					
	JSTR4-25W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-F3BQIS			25W		3000K	3200	128					
	JSTR4-25W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	3250	130					
	JSTR4-25W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	3300	132					
	JSTR4-40W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-X2RYHC			40W		3000K	5230	129					
	JSTR4-40W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	5320	131					
	JSTR4-40W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	5410	133					
JSTR8-80W	JSTR8-45W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-VSNOH1	8FT	96" x 4" x 3"	45W	100-277VAC 100-347VAC	3000K	5854	120	Frosted	L90 >36000 Hrs	>80	>15%	ETL
	JSTR8-45W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	5896	121					
	JSTR8-45W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	5897	121					
	JSTR8-60W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-24C2OW			60W		3000K	7544	122					
	JSTR8-60W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	8104	134					
	JSTR8-60W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	8102	131					
	JSTR8-70W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-Y1CMT7			70W		3000K	8863	120					
	JSTR8-70W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	9368	131					
	JSTR8-70W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	9277	125					
	JSTR8-80W-30K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]	S-AKFEMO			80W		3000K	10410	120					
	JSTR8-80W-40K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						4000K	10328	123					
	JSTR8-80W-50K-[Blank,aaaa]-[Blank,bb]-[PWC,PP,Z]						5000K	10766	124					



Miami, FL USA - info@jademar.com
 T: 305.640.0465 - F: 305.640.0468
WWW.JADEMAR.COM

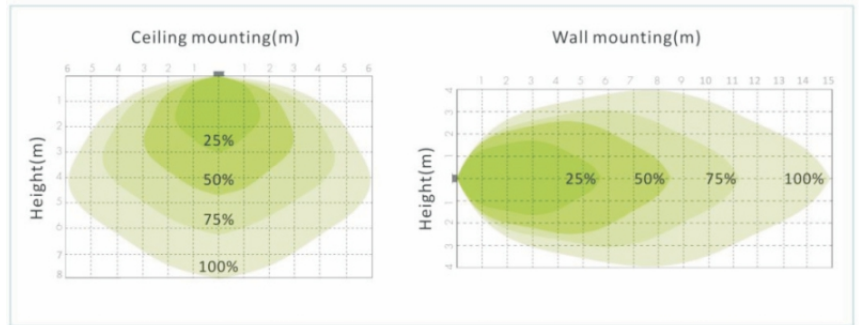


Information contained herein is subject to change without notice.
 Values are nominal.
 Revised 05/2022

OCCUPANCY SENSOR



DETECTION PATTERN:



- **Dual PD Technology** can identify daylight and artificial light, real LUX-off and Daylight monitoring.
- **Mounting Height:** Max 26FT (8M)
- IR Remote Commissioning, easy setting via remote control
- **Default setting:**
Sensitivity: 100%
Daylight Sensor: 300 Lux
Hold Time: 5 Minutes
Twilight Level: 30%

POWER & COLOR ADJUSTABLE

HOW DOES IT WORK?

The custom designed LED driver operates at maximum efficiency at each wattage. Standard LED drivers would just reduce their efficiency. The highest quality of LED diodes are placed on the same circuit board. An LED binning process ensures color consistency between fixtures. The color tuning technology controller ensures the correct color is selected every time.

WHAT ARE THE WATTAGE CHOICES?

The 2FT and 4FT length fixtures all have different wattage/lumen offerings and the same five options for color temperature (3000K/3500K/4000K/4500K/5000K). See the data table and ordering guide of the spec sheet for more information.

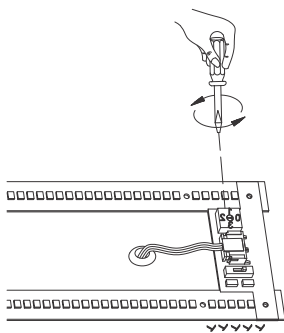
HOW EASY IS IT TO SET?

To adjust the POWER, simply open the fixture and adjust the 4-position turn dial with a small flat-head screw driver. To adjust the Color, simply open the fixture and adjust the 5-position slide switch with your fingers. Both steps take a maximum of 30 seconds. Either of the positions can be "locked-out" to prevent field-adjustability if so desired.

POWER ADJUSTABLE TURN DIAL POSITION				
LENGTH	0	1	2	3
2FT	10W	15W	20W	30W
4FT	12W	18W	25W	40W



POWER ADJUSTABLE TURN DIAL POSITION					
LENGTH	Top	Middle	Middle	Middle	Bottom
2FT	3000K	3500K	4000K	4500K	5000K
4FT	3000K	3500K	4000K	4500K	5000K



POWER ADJUSTABLE
TURN DIAL

COLOR TUNING
SLIDE SWITCH

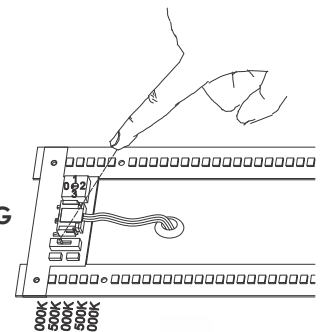
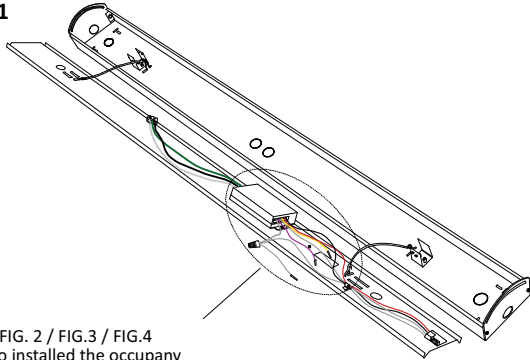
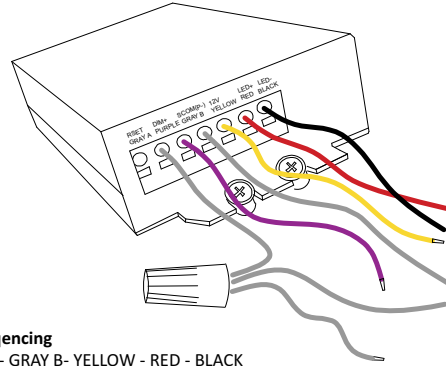


FIGURE 1



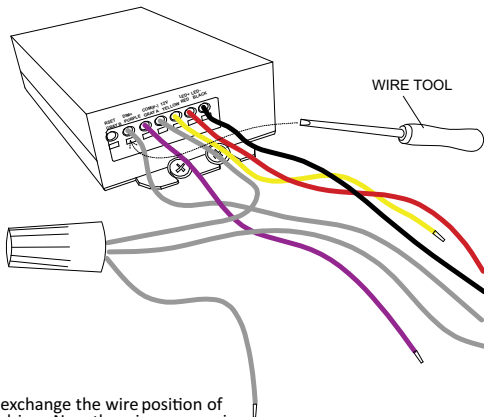
Follow the FIG. 2 / FIG.3 / FIG.4 and FIG.5 to installed the occupancy sensor step by step.

FIGURE 2



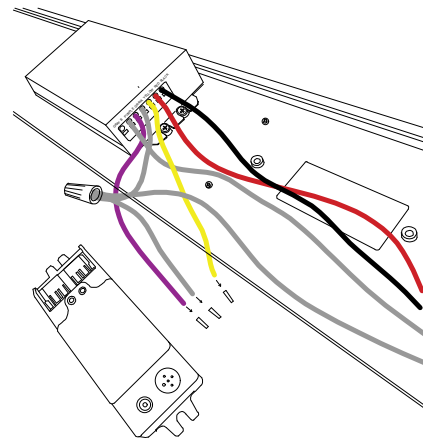
Original Wire Sequencing
GRAY A - PURPLE - GRAY B- YELLOW - RED - BLACK

FIGURE 3



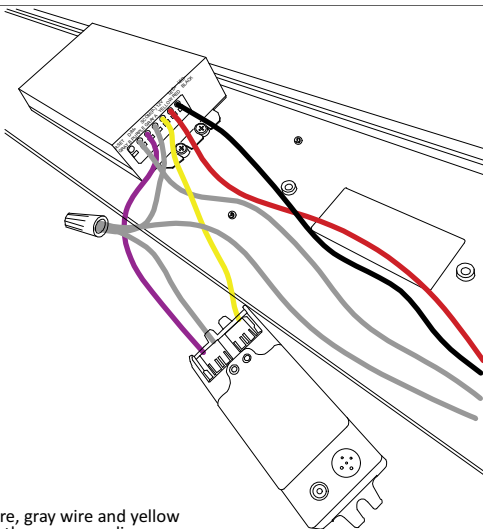
Step 1
Using the wire tool to exchange the wire position of GRAY A and GRAY B in driver. Now the wire sequencing should be GRAY B (PURPLE), GRAY A (YELLOW / RED / BLACK)

FIGURE 4



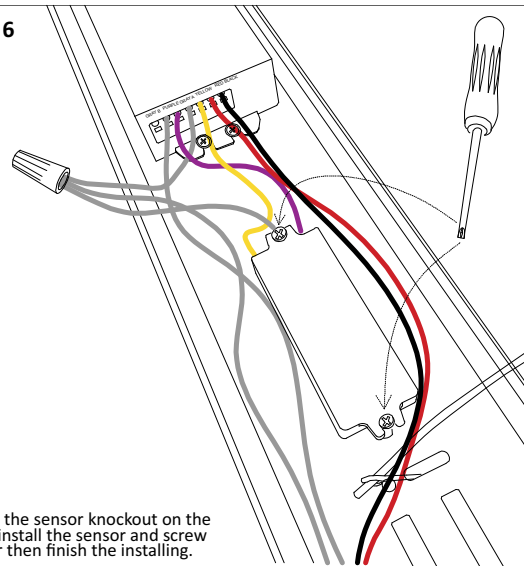
Step 2
Install the sensor
Take out the caps from the purple wire , gray wire and yellow wire

FIGURE 5



Step 3
Inset the purple wire, gray wire and yellow wire from driver to the corresponding position of the sensor, like to fig.5 shown .

FIGURE 6



Step 4
Punch out the sensor knockout on the gear tray, install the sensor and screw the sensor then finish the installing.

