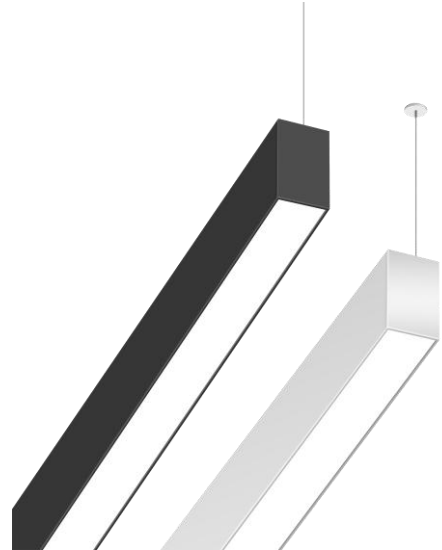


## PRODUCT DESCRIPTION



The Linear series is a sleek architectural LED linear lighting fixture designed to deliver powerful, evenly diffused illumination for modern commercial interiors. Available in suspended and surface-mounted options, the Linear series combines minimalist styling with high-performance lighting,

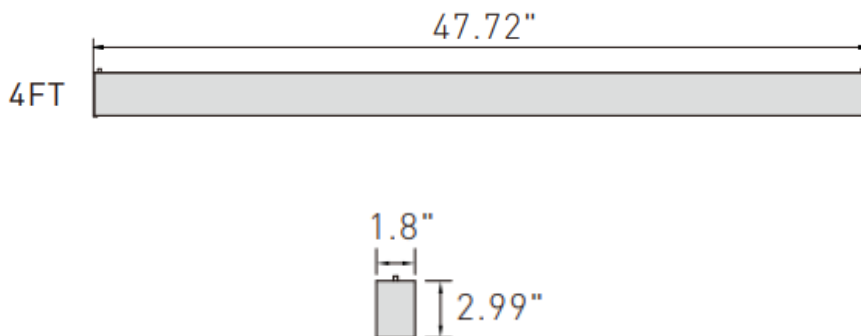


**PART #: RGL-LS02-40W**

## PRODUCT FEATURES & COMMON USE APPLICATIONS

- UL cUL certificate.
- Wattage and Color Selectable
- Lumileds or Samsung Chip, high CRI.
- Input voltage 120-277VAC.
- No UV or IR in the beam.
- Easy to install and operate.
- Energy saving, long lifespan.
- Light is soft and uniform, safe to eyes.
- Instant start, NO flickering, NO humming.
- Green and eco-friendly without mercury.
- Warehouse, factory, and workshops.
- Highway toll station and gas station.
- Exhibition hall.
- Gymnasium and supermarkets, etc

## PRODUCT DIMENSIONS



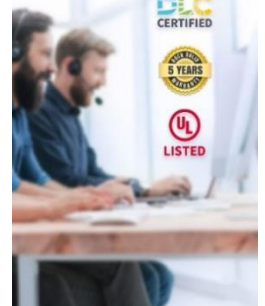
Rugged Grade Lighting  
Industrial Grade Solutions



## LEGENDARY USA SUPPORT



US based  
phone and online  
customer support



888-953-2476

sales@ruggedgrade.com



### PRODUCT TECHNICAL SPECIFICATIONS

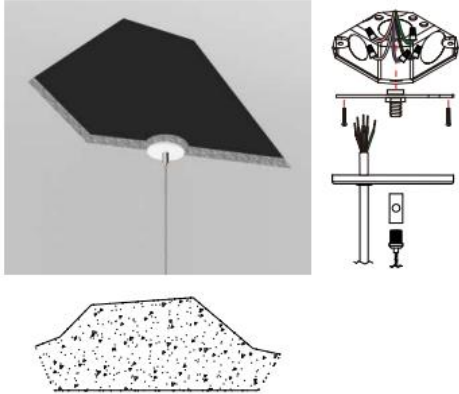
<b>OPTICAL</b>	Input Power (Tolerance :	Wattage Selectable: 40/30/20 Watts		
	Color Temperature (Color	3000K	3500K	4000K
	Lumen (Tolerance : -10%)	1840-3680 LM(↑25%)(↓75%)	2040-4080 LM(↑25%)(↓75%)	1940-3880 LM(↑25%)(↓75%)
		1700-3400 LM(↓100%)	1900-3800 LM(↓100%)	1800-3600 LM(↓100%)
	Efficacy (Tolerance : -3%)	92-102LM/W		
	CRI	>80		
	Diffuser Type	PC Lens		
	Beam Angle (50%)	100-120 Degree		
<b>ELECTRICAL</b>	Input Voltage and	120-277VAC, 50/60Hz		
	PF (Tolerance : -3%)	≥0.9		
	THD (Tolerance : +5%)	≤20%		
	Flicker Percent	<5%		
	Driver Brand	Rugged Grade Lighting		
	Driver Model	Rugged Grade Lighting Driver		
	Dimming	0-10V dimming standard		
	Optional Accessory	Motion Sensor, Surge-protective Device		
<b>MATERIALS</b>	LED Brand	Lumileds		
	LED Type	SMD2835		
	Housing Color	Black, White,		
	Waterproof Rating	DAMP		
<b>OTHERS</b>	Operating Temperature	-30°C TO 45°C		
	Storage Temperature	-40°C TO 80°C		
	Operating Humidity	-40% - 45% RH		
	Storage Humidity	10% - 95% RH		
	Warranty	5-Years		



## PRODUCT MOUNTS & ACCESSORIES(PENDANT)

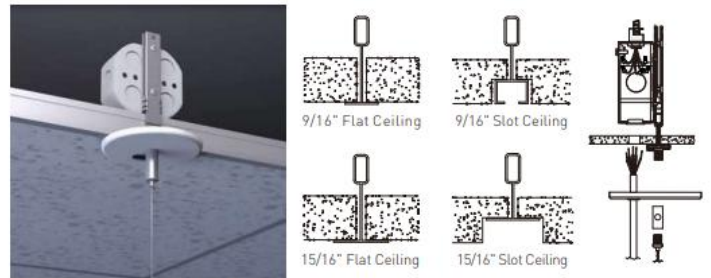
### Dry Ceiling / Off Grid

"Various Hard Ceilings" (Mount to J-box)



### Drop Ceiling / On Grid

Suspending the luminaire in the T-grid. Compatible for various T-grid, including 9/16" Flat, 9/16" Slot, 15/16" Flat.



\*Please see the installation instruction for more details.

### Pendant Accessories For Dry Ceiling

#### Canopy Kits



### Pendant Accessories For Drop Ceiling

#### Canopy Kits



#### Junction Box



#### Power Cord Kits



4FT Standard  
(12FT Available)

#### Power Cord Kits



4FT Standard  
(12FT Available)

#### Aircraft Cable Kits



5FT Standard  
(12FT Available)

#### Aircraft Cable Kits



5FT Standard  
(12FT Available)

#### T-grid Clips



For 9/16" and 15/16"  
Flat Ceiling  
(2 Clips/Set)

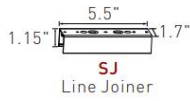
For 15/16" Slot Ceiling  
(2 Clips/Set)

For 9/16" Slot Ceiling  
(2 Clips/Set)

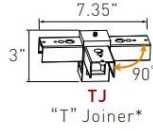


## PRODUCT MOUNTS & ACCESSORIES (FLAT SURFACE)

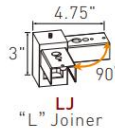
**SJ**  
Straight Line Joiner  
(Optional 40' rolling lens)



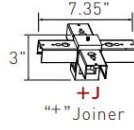
**TJ**  
"T" Joiner



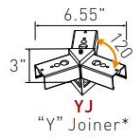
**LJ**  
"L" Joiner



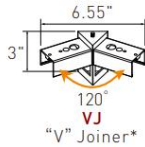
**+J**  
"+" Joiner



**YJ** *Make to Order*  
"Y" Joiner\*



**VJ** *Make to Order*  
"V" Joiner \*



**SMK**

Surface Mounting Kits



**EMI**

Emergency Function  
(Built-in 8W LED emergency driver and indicator before delivery, only for 4ft and 8ft lengths.)



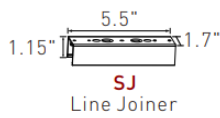
**EME**

Emergency Function  
(Only external 16w or 25w LED emergency driver with standard indicator available and need field-installed.)



## PRODUCT MOUNTS & ACCESSORIES (WALL MOUNT)

**SJ**  
Straight Line Joiner  
(Optional 40' rolling lens)



**SMK**

Surface Mounting Kits



**EMI**

Emergency Function  
(Built-in 8W LED emergency driver and indicator before delivery, only for 4ft and 8ft lengths.)

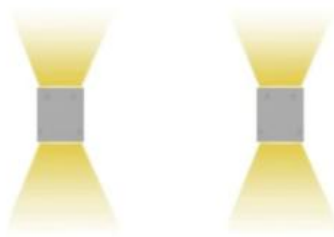
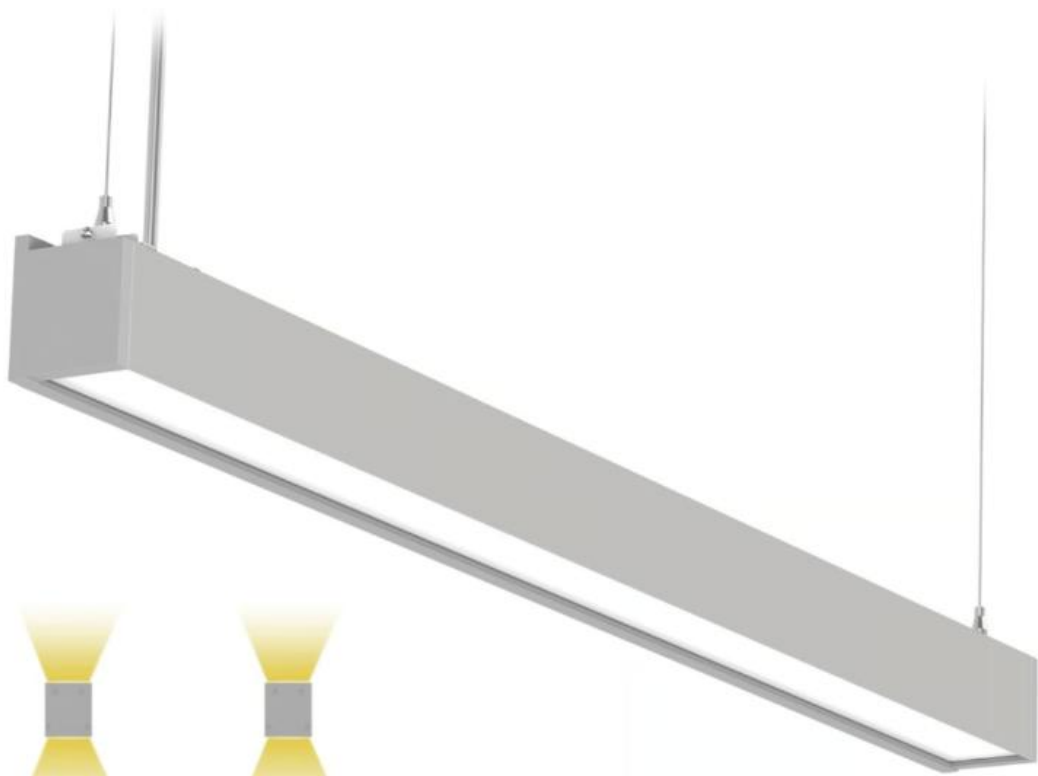


**EME**

Emergency Function  
(Only external 16w or 25w LED emergency driver with standard indicator available and need field-installed.)



PRODUCT IMAGES & ACTUAL INSTALLATIONS



Rugged Grade Lighting  
Industrial Grade Solutions

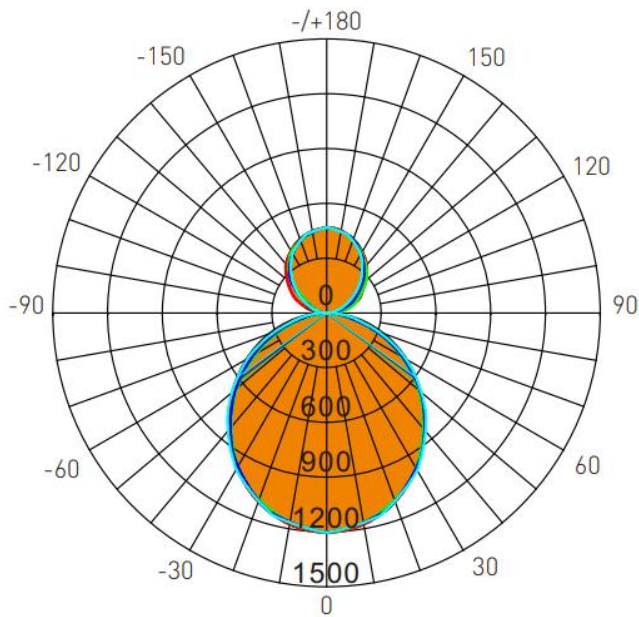


888-953-2476  
sales@ruggedgrade.com



## PHOTOMETRICS

4' / Diffuser/25% Up,75% Down/3000K

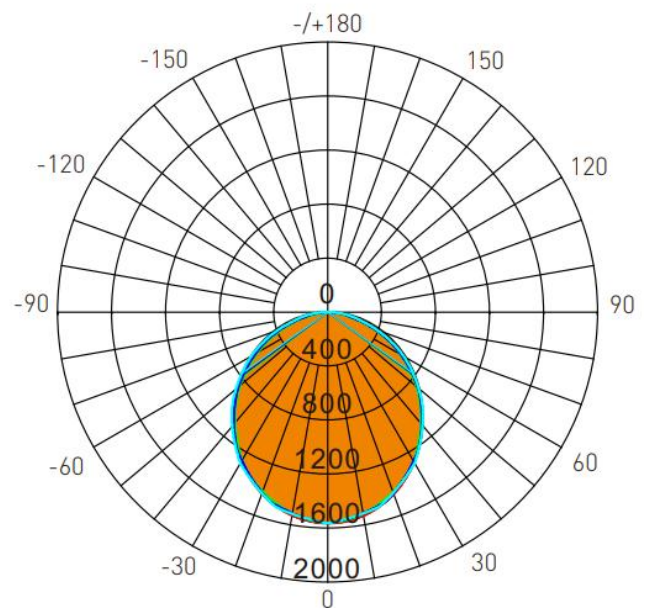


AVERAGE BEAM ANGLE(50%): 107.0°

Lumens: 4463.53 Lm  
 Watts: 40 W  
 LPW: 117.05 Lm/W  
 CCT: 3000K

UNIT: cd  
 — C0/180, 107.8°  
 — C30/210, 105.0°  
 — C60/240, 106.3°  
 — C90/270, 108.7°

4' / Diffuser/100% Down/3000K



AVERAGE BEAM ANGLE(50%): 107.4°

Lumens: 4175.42 Lm  
 Watts: 40 W  
 LPW: 107.97 Lm/W  
 CCT: 3000K

UNIT: cd  
 — C0/180, 107.7°  
 — C30/210, 105.9°  
 — C60/240, 107.1°  
 — C90/270, 108.9°



## PRODUCT WARNINGS

- ⚡ Please turn off power before install or change assembly parts.
- ⚡ The input voltage and lamps should be matched, after connecting the power line.
- ⚡ Please make sure the wiring section is insulated.
- ⚡ Professionals must install and disassemble the lamps.
- ⚡ Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- ⚡ Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

## PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!

# BETTER LIGHTS. BETTER SUPPORT.

