

# 180W NSF Vapor Tight | LED FOOD SAFETY LIGHT



## PRODUCT DESCRIPTION

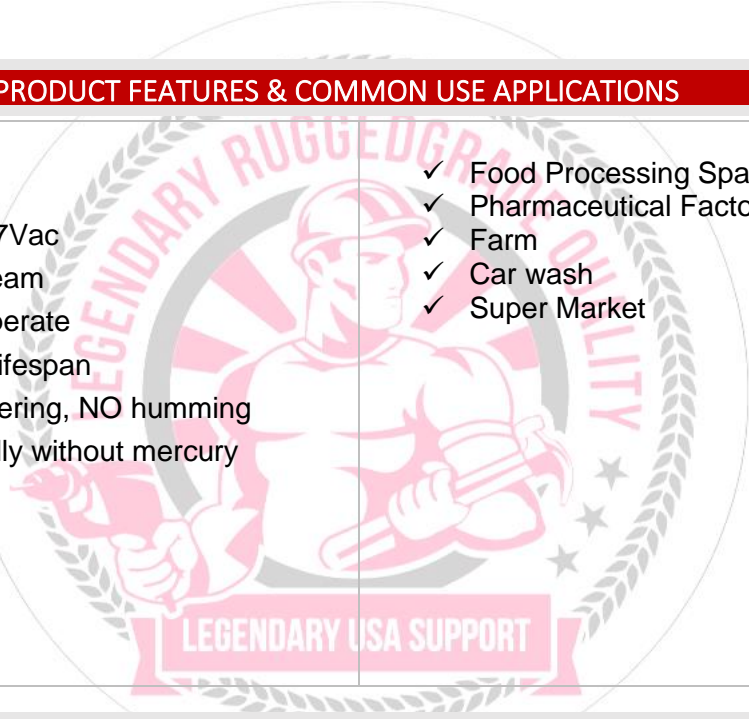
THE NSF VAPOR LIGHT BRINGS YOU THE PINACLE IN FOOD SAFETY LIGHTING. IT LETS YOU LIGHT UP ANYTHING FROM SIMPLE FRUITS AND VEGETABLES ALL THE WAY UP TO PRIME CUT MEATS AND MORE. ITS PERFECT FOR SUPERMARKETS AND EVEN FOOD PROCESSING SPACES.



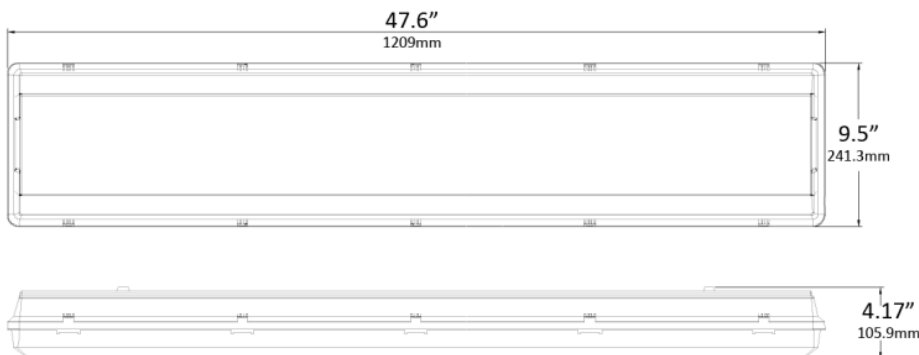
RGL-NSF-180W-TT

## PRODUCT FEATURES & COMMON USE APPLICATIONS

- ✓ UL cUL
- ✓ Input voltage 120-277Vac
- ✓ No UV or IR in the beam
- ✓ Easy to install and operate
- ✓ Energy saving, long lifespan
- ✓ Instant start, NO flickering, NO humming
- ✓ Green and eco-friendly without mercury
- ✓ 5 Year Warranty.
- ✓ Food Processing Spaces
- ✓ Pharmaceutical Factory
- ✓ Farm
- ✓ Car wash
- ✓ Super Market



## PRODUCT DIMENSIONS



## LEGENDARY USA SUPPORT



US based phone and online customer support

DLC CERTIFIED

5 YEARS WARRANTY



Rugged Grade Lighting  
Industrial Grade Solutions



888-953-2476  
sales@ruggedgrade.com



### PRODUCT TECHNICAL SPECIFICATIONS

<b>OPTICAL</b>	Input Power (Tolerance: ±10%)	180W/150W/120W(Wattage Selectable)		
	Color Temperature	3500K	4000K	5000K
	Lumen (Tolerance: -10%)	26000 LM	26658 LM	25900 LM
	Efficacy (Tolerance: -3%)	144.4 LM/W	148.1 LM/W	144 LM/W
	CRI	>80		
	Beam Angle (50%) (Tolerance: ±15%)	110°		
	Input Voltage and Frequency	120-277VAC, 50/60Hz		
	PF (Tolerance: -3%)	≥0.9		
	THD (Tolerance: +5%)	≤20%		
<b>ELECTRICAL</b>	Flicker Percent	<5%		
	Driver Brand	RG Driver		
	Driver Model	RG-180W-120V		
	Driver Surge protection	L/N-PE: 10kV, L-N:10kV		
	Dimming	0-10V		
	Optional Accessory	None		
	LED Brand	Lumileds		
	LED Type	SMD2835		
<b>MATERIALS</b>	LED QTY	288 PCS		
	Housing	PC+aluminum		
	Housing Color	White		
	EPA	Call for more info		
	Waterproof Rating	WET (IP65)		
	Operating Temperature	-40°C TO 45°C		
	Storage Temperature	-40°C TO 80°C		
<b>OTHERS</b>	Operating Humidity	20% - 70% RH		
	Storage Humidity	10% - 75% RH		
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C.		

### PRODUCT ACCESORIES



Surface Mount



Suspension Kit  
(Not included)





## INSTALLATION GUIDE

### SAFETY INSTRUCTIONS: Read instructions carefully before attempting to install fixture.

- All wiring should be performed by a qualified electrician.
- Disconnect power before installing or servicing. This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.

### CAUTION: Risk of fire

- **WARNING:** Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.
- **WARNING:** Do NOT handle energized fixture when hands are wet, when standing on wet or damp surfaces or in water.
- **WARNING:** Fixture to be independently supported to building structure.

### CLEANING & MAINTENANCE:

CAUTION: Be sure the fixture temperature is cool enough to touch. Do NOT clean or maintain while the fixture is energized.

1. Clean lens with non-abrasive cleaning solution.
2. Do NOT open fixture to clean the LED. Do NOT touch the LED.

Note: These instructions do not cover all details or variation in equipment, nor do they provide for every possible situation during installation, operation or maintenance.

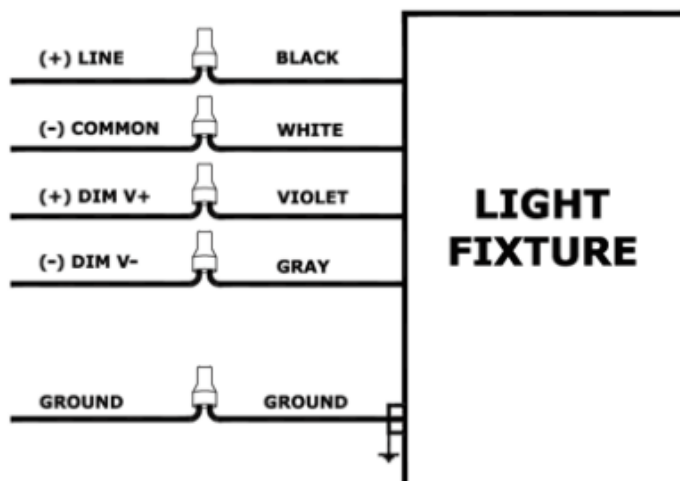
### TROUBLESHOOTING:

1. Check that the line voltage at fixture is correct. Refer to wiring directions.
2. Check that the fixture is grounded properly.

### 0-10V DIMMABLE WIRING:

Universal voltage driver permits operation at 120V through 277V, 50/60Hz.

1. Connect the BLACK fixture lead to the (+) LINE supply lead.
2. Connect the WHITE fixture lead to the (-) COMMON supply lead
3. Connect the GROUND wire from fixture to the supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the VIOLET fixture lead to the (V+) DIM lead.
5. Connect the GRAY fixture lead to the (V-) DIM lead.



## INSTALLATION GUIDE

### INSTALLATION OPTIONS: (surface mount or suspension mount)

CAUTION: Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

#### SURFACE MOUNT

1. Install the mounting brackets to the installation surface. (Fig. 1)
2. Open the clips on the fixture. (Fig. 2)
3. Release the LED chip board inside the fixture by pinching the metal clips together on the middle of the board. (Fig. 3)
4. Install the waterproof connector to the fixture. (Fig. 4)
5. Connect the wires. (Fig. 5)
6. Re-attach the lens to the housing. (Fig. 6)
7. Fasten the clips on the fixture. (Fig. 7)
8. Install the fixture to the mounting brackets. (Fig. 8)

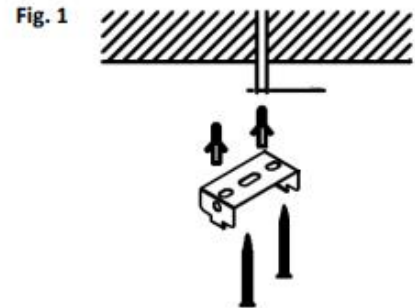


Fig. 2

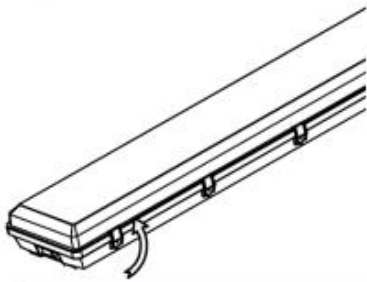


Fig. 3

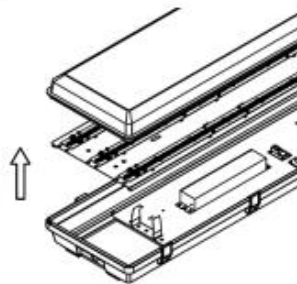


Fig. 4

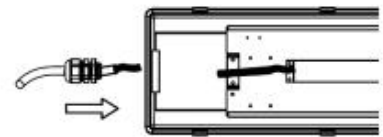


Fig. 5

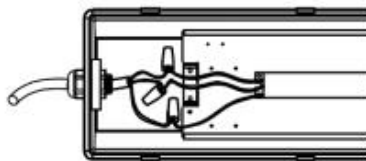


Fig. 6

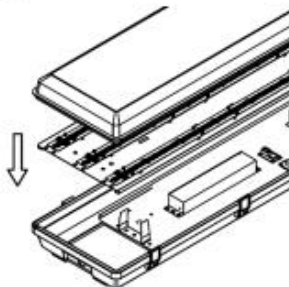


Fig. 7

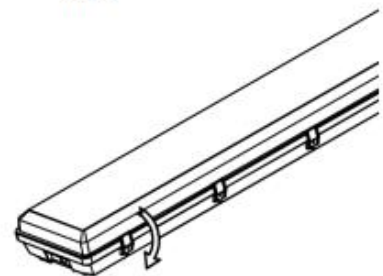
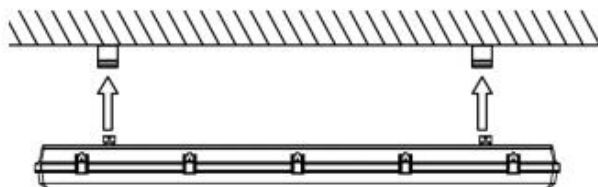


Fig. 8

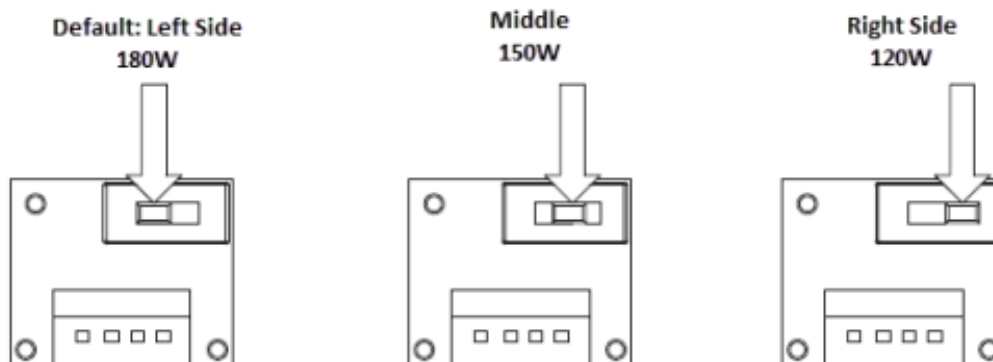




## INSTALLATION GUIDE

### Selecting Wattage:

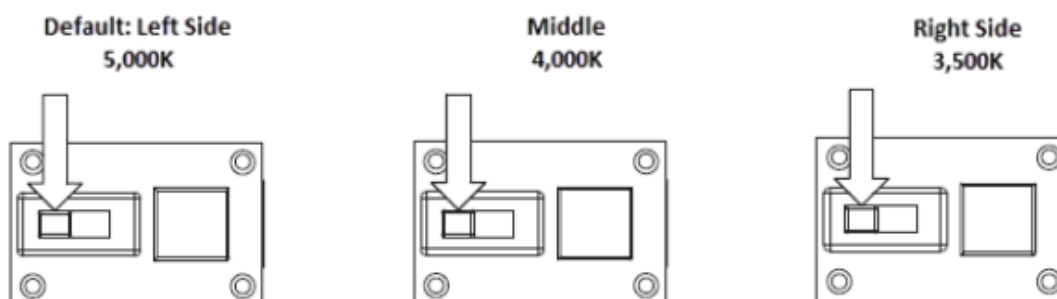
1. When you take the LED chip board up from the fixture, locate 2 black toggle switches inside the fixture. Each silver box is labeled with options to select a wattage or options to select a color temperature.
2. To change the wattage, please select the silver box with wattage. The default wattage is the highest wattage option on the fixture (left position). You can adjust this by pushing the switch to the middle or the right (lowest wattage).



### Selecting Color Temperature:

1. When you take the LED chip board up from the fixture, locate 2 black toggle switches inside the fixture. Each silver box is labeled with options to select a wattage or options to select a color temperature.
2. To change the color temperature, please select the silver box with CCT. The default color temperature is the highest temperature option on the fixture left side 5,000K. You can adjust this by pushing the switch to the middle 4,000K or the right side 3,500K.

Default Color Temperature (Left)	Middle Color Temperature (Middle)	Lowest Color Temperature (Right)
5,000K	4,000K	3,500K



## LINKING TOGETHER

Model Number	Voltage (18AWG)	Linkable Qty	Voltage (16AWG)	Linkable Qty
LOC-4FTVTHB-MW(60/75/90)MCCT(35/40/50)	120V	10	120V	15
	240V	20	240V	30
	277V	24	277V	35
LOC-4FTVTHB-MW(120/150/180)MCCT(35/40/50)	120V	5	120V	8
	240V	10	240V	16
	277V	12	277V	18



## PACKAGING

Model	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
180W	50.88" x 10.5" x 4.5"	1pc	16.22lbs	18.2lbs





### 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.

