



- Emergency LED Fixture
- 90 Min Backup time at 20W in power failure condition.
- Programmable Output Power 5W to 20W.
- Inbuilt Self Diagnostic feature for fault detection
- Inbuilt LiFePo4 Battery pack
- Fault detection and indication through test switch
- Suitable for Non maintained Application.

Electrical Specifications

Rated Input Voltage *	100-277VAC, 50/60Hz
Operating Input Voltage Range *	100-277VAC, 50/60Hz
Input Power *	6W MAX (Charging mode)
Standby Input Power *	< 0.8W
Output Power (Emergency mode)	1.2W to 20W Max
Battery Discharge Time	90 Min. at 20W Backup power; 360 Min. at 5W Backup Power

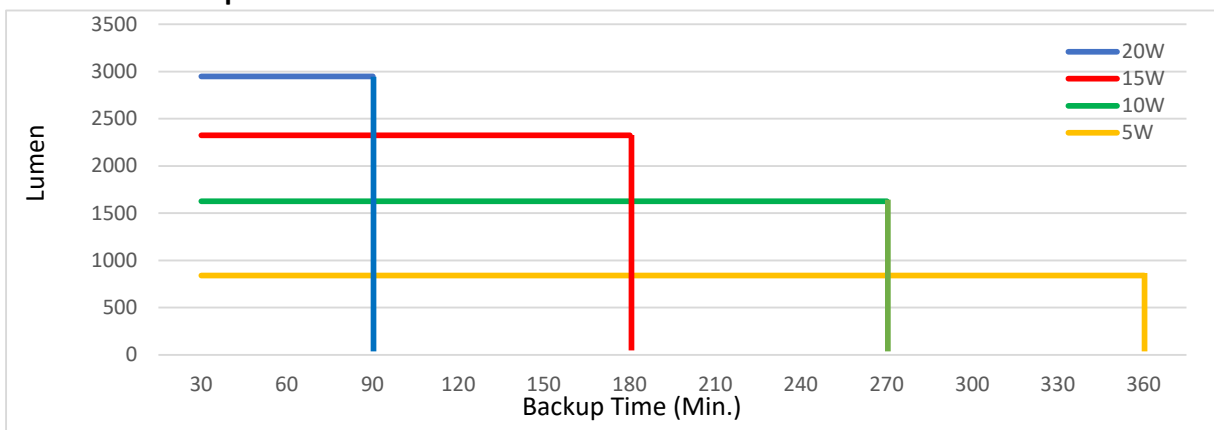
Optical Specifications

CCT *	5700K
Lumen (at 20W) *	2800 LM
Efficacy (at 20W) *	140 LM/W
CRI *	70 CRI
Beam angle	Type II, 135° x 85°
Estimated Lumen Maintenance at Max Ta	L70: > 60,000hrs.; L90: 48000hrs.;
Color Consistency	Binning per ANSI C78.377-2015 @ 25°C Tj; 5 SDCM

General Specifications

Fixture	Aluminum Die cast
Overall Size	221mm x 181mm x 111mm
Units per Master Carton	1 Pcs.
IP Rating	IP 65
IK Rating	IK 08
Storage temp. range	-20°C to 70°C
Operating temperature range (Ta)	0°C to 40°C
Service Life	50,000 Hrs
Battery Life	2,000 cycles
Warranty	3 years @ Max. Tc from the date of manufacturing

Lumen Vs Backup Time



- 1- * - All Parameters are applicable for the Charging mode operation.
- 2- * - Maintains a tolerance of ±7% on flux and power measurements, Nominal CCT as defined by ANSI standard measurements 5700K (+/-355) and a tolerance of ±2% on CRI measurements.



Important and Safety Instructions

PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR OWN SAFETY

1. An un-switched AC power source of 100VAC to 277VAC is required for Charging the Battery.
2. Fixture will be operating in Non Maintained mode, i.e. In Presence of AC supply Fixture will be in OFF condition and will be turning ON when there is power (AC) failure.
3. Make sure all electrical connections conform to the National Electrical Code and all applicable local regulations.
4. Do not let power supply cords touch hot surfaces.
5. Battery is rechargeable LiFePO4 type and must be recycled or disposed of properly. Do not use Replace the internal components other than recommended by manufacturer. failure to follow this may cause an unsafe condition. Servicing should only be performed by qualified service personnel or unit to be sent back for servicing.
6. Indicator (LED light) illuminated indicates battery in charge mode when AC power is applied. It is recommended and required by applicable code to test emergency ballast to ensure proper function of the system; push the test switch for thirty (30) seconds every thirty (30) days to ensure the emergency driver is functioning by illuminating the light source. Conduct a ninety (90) minutes discharge test one (1) time per year; LED light source should be illuminated for a minimum of ninety (90) minutes .
7. Replace battery only with corresponding part number.

TEST SWITCH INDICATOR STATUS:

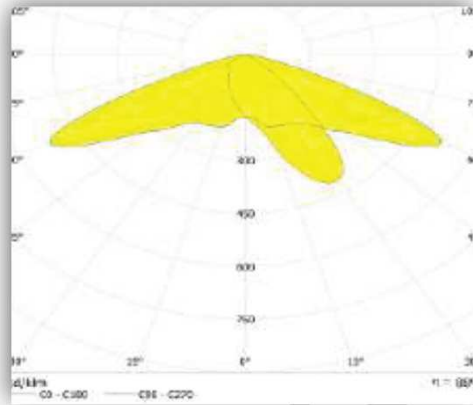
LED Indicators Status	EM Driver Status/Mode
Solid RED ON	System OK/AC OK (Self-diagnostic Enabled or Disabled).
Flashing RED, 0.1s on/3s off	System OK / EM Mode
Slow Flashing Red, 4s on/1s off	Battery not detected, check battery switch or connection.
Flashing Red, 1s on/1s off	Replace battery.
Flashing Red, 2s on/2s off	Self-Diagnostic test underway.
Fast Flashing Red, 0.1s on/0.1s off	Abnormal driver performance, replace driver.
Very Slow Flashing Red, 1s on/7s off	Over temperature.
Very Slow Flashing Red, 4s on/4s off	LED output load is Short/Over Current/Over Voltage/Open Circuit in EM Mode.

TEST SWITCH OPERATIONS:

1. EM Test: Press and hold test button (>1s)to enter EM mode for testing in normal AC powered .
2. Manual Self-Diagnostic: After charging twelve (12) hours or battery fully charged, quickly press the test button three times within two seconds to force the controller to enter a Self-Diagnostic cycle. To quit the self-diagnostic cycle after engaged press and hold the test button for ten seconds.
3. Enable/Disable Auto Self-Diagnostic: Press and hold the test button for one second, then release and quickly press the test button two times, then release and press and hold the test button for two seconds. When properly executed the indicator on the test button will display the appropriate color for the Enable/Disable status. A flashing of 2.5s ON/0.5s OFF means "Enabled", while a flashing of 0.5s ON/2.5s off means "Disabled". Once Enable / Disable is set the status color on the test button will remain the same throughout normal operation (refer to Indicator Status Table).
4. Enable / Disable Self-Diagnostic Status: Fast click 2 times within 2s to query the Self-Diagnostic Enabled / Disabled status. The indicator would blink for current status for 3 cycles. 2.5s ON/0.5s OFF stands for Enabled. 0.5s ON/2.5s OFF stands for Disabled.
5. Exit Output Short Circuit/No Load/Over Voltage Protection: When the test button flashes red for 4s on/4s off, press and hold the test switch for 10 seconds.
6. Turn off EM output: Press and hold the test switch for 10 seconds during EM output condition to turn off EM output. This is useful for production environment to turn off the EM output once a luminaire has completed functionality testing. This applies to products with Serial Number starting with Date code: S12016 or higher.



Optical Distribution

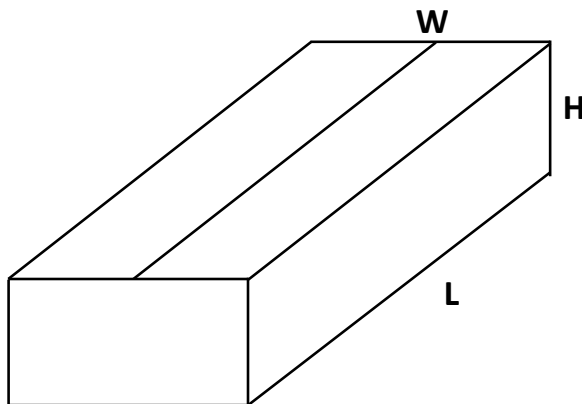


Mechanical Dimensions



Over All Dimensions	
LENGTH	221 MM
WIDTH	181 MM
HEIGHT	111 MM

Packaging - Master Carton



OUTER DIMENSIONS		
Length (L)	Width (W)	Height (H)
270mm	235mm	135mm
Net Weight	Gross Weight	Quantity(pcs)
2.68kg	3.23kg	1