

TRONIX

guided by light

SPECIFICATION



LED Emergency Downlight

600-023 & 600-024



Introduction



◀ This Emergency down light is controlled by smart IC, with self-test function. Two optional lens (oval&round shape) for different applications. It has removable front cover design, adapter ring available. With external driver and external battery in separate, convenient for maintenance.

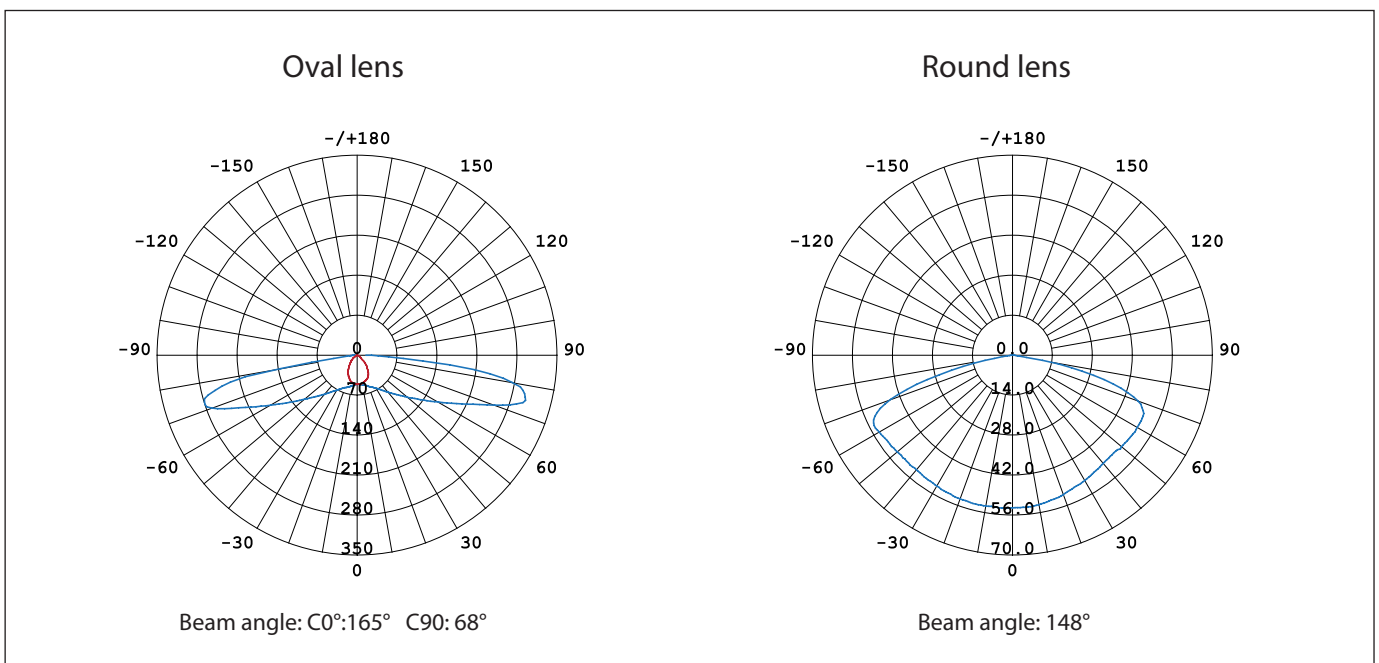
Features

1. Oval lens for pathway application.
2. Round lens for open area application.
3. Smart IC control.
4. Li battery, long life time.
5. High power & efficiency LED.

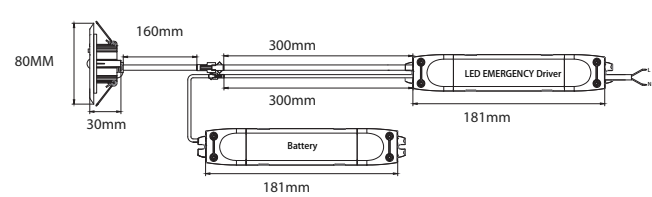
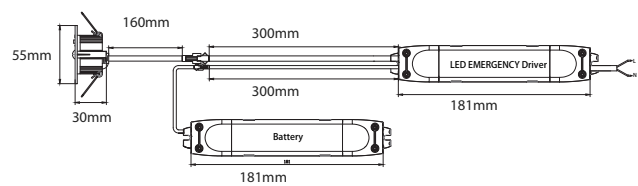
Application Areas

It is designed for emergency lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Beam Angle



Product size



Measurement

Model	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN
	N.W/PC	G.W/PC	N.W/CTN	G.W/CTN		
600-023 600-024	0.29	0.4	5.8	8.7	45*34.5*20	20

Technical Data Sheet

Model No.		600-023 & 600-024	
Watt(W)		3W	
Rated Input Voltage(V)		AC230V	
Input Voltage(V)		AC200-240V	
LED		SMD LED 3535	
CCT(K)		5000K	
"Luminous Flux (lm) ±10%"	Non-DIM	240lm(3H)	
CRI		>70	
LED Driver		Built-out	
Protection Class		Class II	
IP Rating		IP20	
IK Rating		-	
Finishing color		White RAL 9016	
Material		Aluminum+PC	
Glow wire test (°C)		COVER:850°C / LENS:650°C	
Operating Temp.(°C)		-0°C ~45°C	
Storage Temp.(°C)		-0°C ~65°C	

Driver Datasheet

Power	3W
Rated Input Voltage(V)	AC230V
Frequency	50/60Hz
Input Voltage	AC200-240V
Efficiency	≥80%
Total load wattage	3W Max
Power Factor	≥0.3
Rated Input Current	≤0.02A
Full load output voltage	DC2.8-3.2V
Rated output curent	600mA
Output current range	600mA±10%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	—
Surge	0.5kV
Withstand voltage	AC3750V

Instructions for automatic test option

- 1.Once the unit is powered up it will automaticlly initiate a self test and diagnostics as follows:
- Every 4 seconds: Checks for battery disconnection,charger board fault,lamp fault and transfer fault.
 - Every month: Performs a 3 minutes duration test.
 - Every year: Performs a 1 Hour or 3 Hours duration test.
- All test functions are factory preset and do not need field adjustment.

- 2.Dual Colour Indicator LED Status Meanings
- Green Solid On Ready/Normal Operation
 - Red Requires Service

•	One flashes, 4 second pause	Battery not connected
..	Two flashes, 4 second pause	Battery short or low battery voltage
...	Three flashes, 4 second pause	Charger board fault
....	Four fashes, 4 second pause	AC/DC transfer fault
.....	Five fashes, 4 second pause	LED lamp fault

NOTE:After repairing a service fault,press and hold the test button for 2 seconds to reset the flashing indicator light to green.

3.Manual Testing

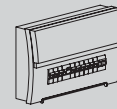
Press test button once	30 second duration test
Press test button twice within 2 seconds	3 minute duration test
Press test button 3 times within 2 seconds	30 minutes duration test
Press test button 4 times within 2 seconds	1 or 3 hours duration test
Press test button 5 times within 2 seconds, if red indicator blink 3 /2 / 1 times	3 /2 / 1 days decrease of every year auto test
Press test button 5 times within 2 seconds, if green indicator blink 3 /2 / 1 times	3 /2 / 1 days increase of every year auto test

Installation Procedure

WARNING



1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

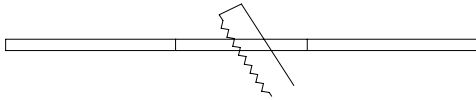


Turn Off
Power Supply

Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

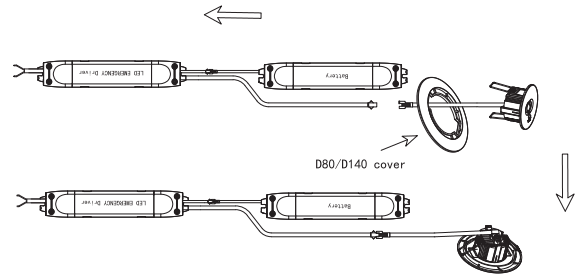
How to install

FIG.1



cutout:
D55 cover: 42-50mm
D80 cover: 66-70mm

FIG.2



NOTE: Go directly to the next step if no need D80 cover.

FIG.3

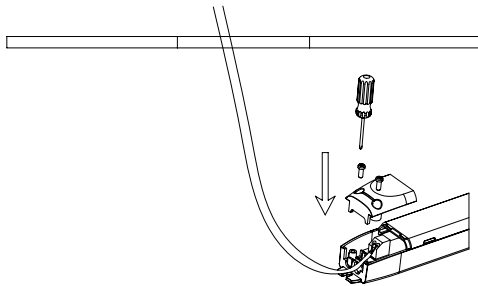


FIG.4

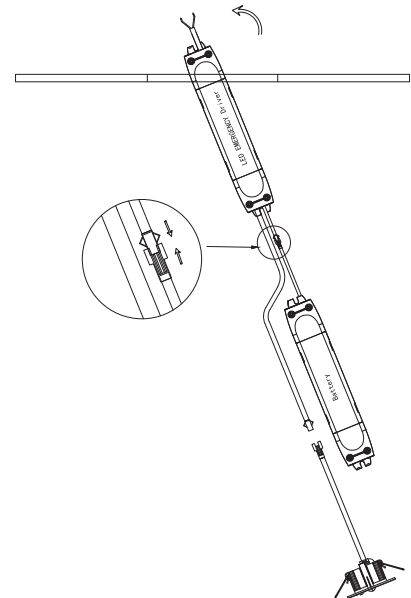


FIG.5

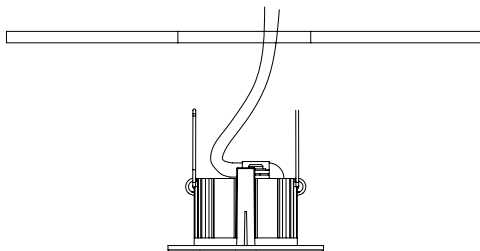


FIG.6

