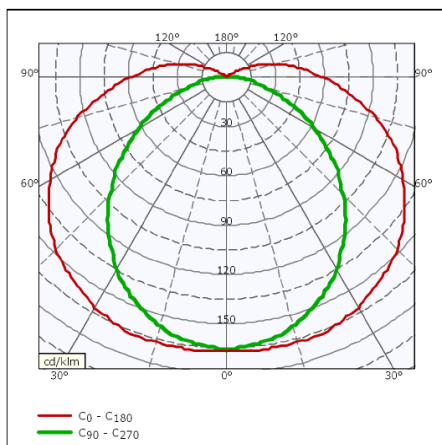
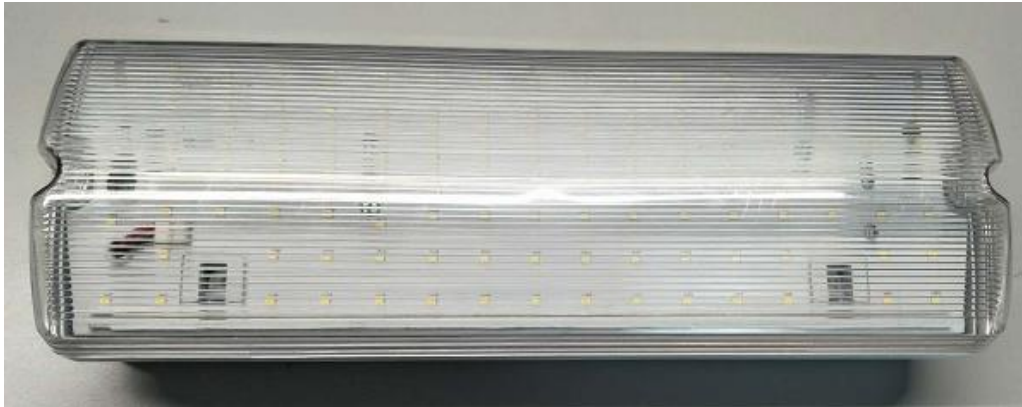


LIFT

IP65 LED LIGHT

CE IP65

FEATURES



Features

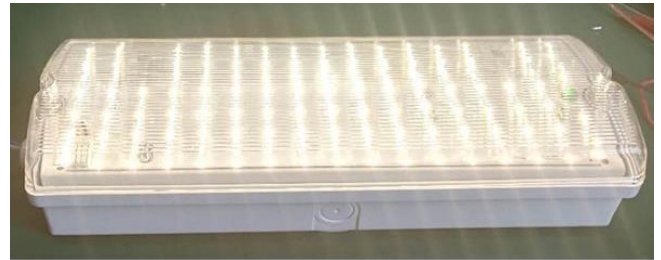
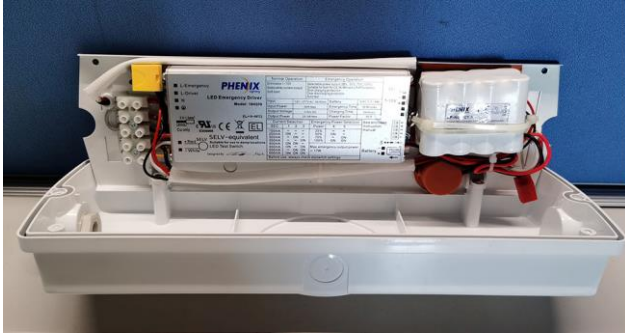
- Small size, high lumen output, ideal for compact space
- Housing made of UV and impact resistant polycarbonate (PC)
- High light transmittance PC diffuser with UV and impact resistant
- Both standard and emergency versions are available
- Automatic heating system for emergency operations in wide temperatures from -30°C (-22°F) to +55°C (131°F)
- Ideal for lift's illumination in onshore windmills

CHARACTERISTICS

Product name	LIFT ST	LIFT EM	LIFT EH
Item No.	LL25A205	LL25A205-E	LL25A205-E-H
Description	Light, LED, Standard, SW/CW	Light, LED, , Emergency backup, SW	Light, LED, Emergency backup, Heating system, SW /CW
Input voltage	120/230 VAC 50/60Hz		
Input power	10W	10W	10W (Lighting)
			2W (Charging)
			20W (Heating)
Nominal current	0.08A	0.08A	0.08/0.043A
			0.02/0.01A
			0.17/0.09A
Operation temp.	-30°C ~55°C	0~55°C	-30~55°C
Survival temp.	-40~60°C	-15~60°C	-40~60°C
Emergency module	N/A	Integrated LED AC + Emergency Driver 184500, Pri.: 150mA Battery Dip: 4, 5 Down	Integrated LED AC + Emergency Driver 184500, Pri.: 150mA Battery Dip: 4, 5 Down
Battery pack	N/A	9.6V/1.5Ah Ni-Cd (High temp.)	9.6V/1.5Ah Ni-Cd (High temp.)
Heating system	N/A	N/A	Separate
Lamp type	LED SMD, 4000-6000K		
Normal lumen output	1000LM	1000LM	1000LM
Emergency lumen output	N/A	500LM	500LM
Emergency time	N/A	90 Minutes	90 Minutes
Expected battery life	N/A	7-10 Years	7-10 Years
Battery full charge	N/A	24 Hours	24 Hours
Meas. mm [inch]	L352 [13.86] x W117 [4.61] x H74 [2.91] Mounting center: 240 [9.45]		

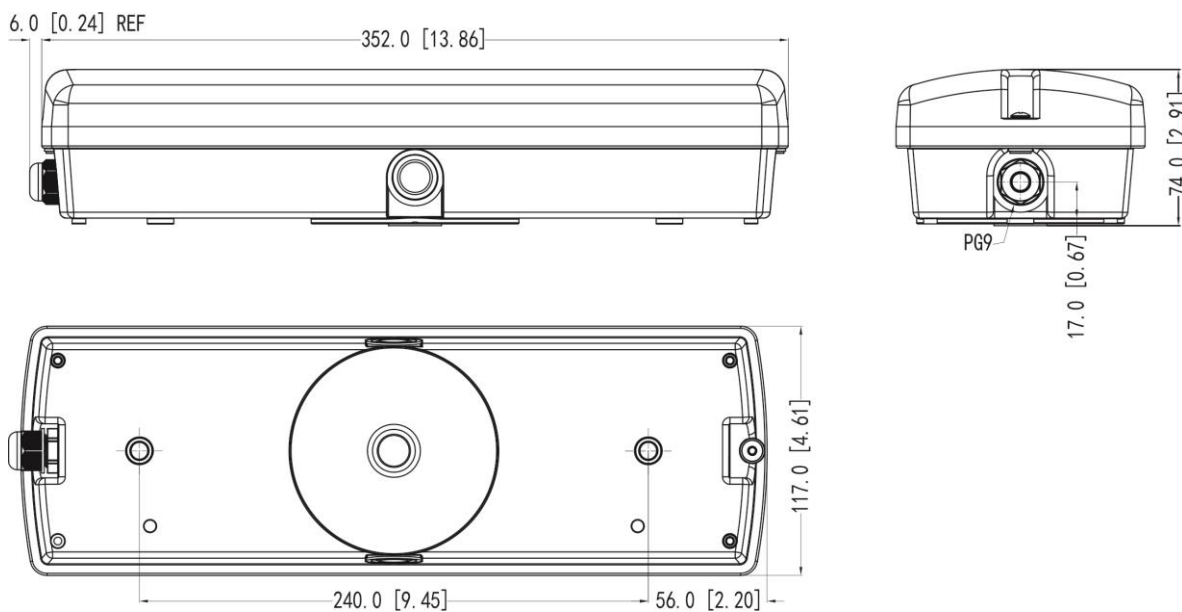
TECHNICAL DETAILS

The light is with LED light source, can work as a normal light and emergency light. In normal mode it works as standard LED Lighting at full lumen output; when the mains power fails, the lighting switches to emergency mode immediately, and it lights up with reduced lumen output for over 90 minutes. One full charging is 24 hours.



LED test switch indicates the status automatically (Details refer to Testing and Maintenance)

DIMENSIONS



Complete lighting with 1 cable gland L 358 mm x W 117mm x H 74mm Mounting distance (LF): 240mm


WIRING DIAGRAMS

The connection will be identified as below to help the connection of the cable:

L1'= Normal Light (Switched)

L1= Emergency (Un-Switched)

N = Neutral

 = Ground

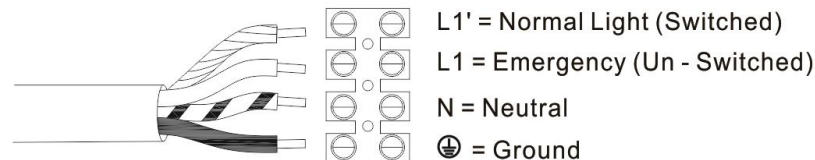
Input voltage: 120/230V

Wiring Diagram:

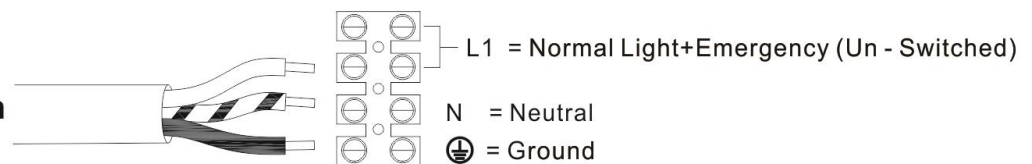
For LL25A205



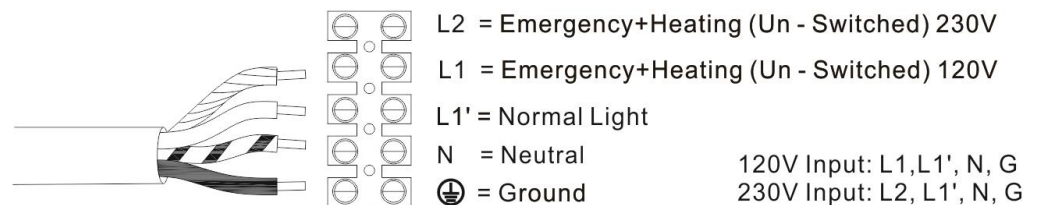
For LL25A205-E With wall switch



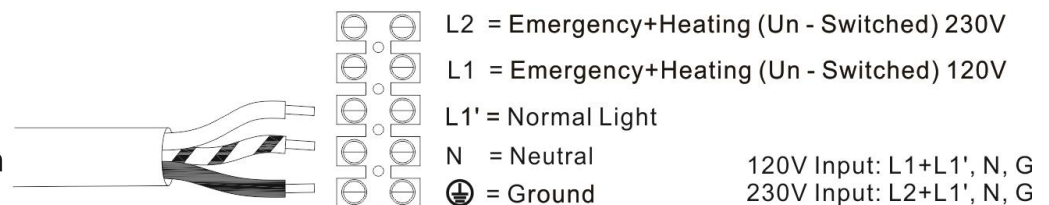
For LL25A205-E Without wall switch



For LL25A205-E-H With wall switch



For LL25A205-E-H Without wall switch



LED TEST SWITCH

For emergency (or emergency + heating) luminaires, the following testing and maintenance shall be executed:

Press the LED Test Switch (TSW) to interrupt the power to led emergency driver and to force the luminaire into emergency mode, LED strip lamps are now being lit at a reduced light; the LED signal lamp (LSL) on the TSW turns off in emergency mode. After releasing the TSW, the luminaire returns to normal operation after a momentary delay, LED strip lamps are lit with full power, and the LSL turns on.

LED Test Switch (LTS)

Note: If the end user needs the luminaire to go into the emergency mode only when the mains power is failed, an external switch should be added on the input terminal.

After installing the external switch, the luminaire need to be tested (both on and off status) if it complies the below situations:

When the mains power is on:

Turn on the external switch, the luminaire is in normal mode: All LED strip lamps are lit, and the LSL is lit, and the battery is being charged.

Turn off the external switch, the luminaire is in normal mode: all LED strip lamps are off, the LSL is lit, and the battery is being charged.

When the mains supply is failed:

No matter if the external switch is turned on or off, the luminaire goes into the emergency mode. All LED strip lamps are lit at a reduced output. The LSL is blinking slowly and the battery is being discharged. When the battery is full charged, the LSL stop blinking and is lit up.

1. Instant Auto Test

When the system is connected well and powered on, the luminaire will auto test if the load and battery pack are connected well and if the battery is being charged normally. If there is any abnormal situation, the LED Signal Lamp (LSL) is flickering. When the abnormality is removed, the LSL indicates normally.

2. Preprogrammed scheduled Auto Test

- Carry out first monthly Auto Test after Initial power on for 24 hours to 7 days, afterwards, carry out a monthly Auto Test every 30 days.

- Carry out an annual Auto Test every 52 weeks after first powered on.

- Auto Test timing

To reduce the conflict that Auto Test is executed when the lighting is in use, the preprogrammed scheduled Auto Test will be executed 2 hours later than the normal operation is disconnected (switched off). For applications where lightings remain illuminated, the module will postpone the scheduled test accordingly, but should not later than the preprogrammed scheduled latest test time.

- Monthly Auto Test

Monthly Auto Test should be executed every 30 days and to test:

If the switchover of normal and emergency mode is normal;

If the emergency function and battery's charging and discharging condition is normal;

Auto Test time is about 30 seconds.

- Annual Auto Test

Annual Auto Test should be executed after 24 hours full charging and to test:

If the battery's voltage is equal or higher than the limit after 24 hours full charging;

If the emergency operation time is over 90 minutes;

If the battery voltage after 90 minutes emergency operation is still equal or high than 87.5% of the battery voltage before testing.

- During the Auto Test, in case a power failure happens and the power cannot be on till the Auto Test completes, then the Auto Test will be executed again 24 hours later after the power is on.

- If the emergency mode makes the battery discharged completely under the power off condition, then the preprogrammed scheduled Auto Test will resume the first time when the power is connected.

3. Manual Test

- Press LED test switch (LTS) one time, then go into emergency mode and back to normal mode rapidly .

- Press LTS 2 times continuously within 5 seconds, then go into monthly test. After finish, the next monthly test will count from this date.

- Press LTS 3 times continuously within 5 seconds, then go into annual test. After finish, the next annual test will count from this date.

- During the manual test, press LTS 3 times within 5 seconds, then the manual test can be terminated.

(The preprogrammed scheduled Auto Test time will not change)

4. LED Signal Lamp (LSL) indication

- LSL on: Normal

- LSL off: Power failure

- LSL gradual change: In testing

- LSL flickering: Abnormal

➤ **Wind power system**



➤ **Ships**



➤ **Freezers**



➤ **Any other harsh indoor and outdoor locations**

