

**HARBOUR EXPRESS 32W/26W/20W/16W LED CORROSION PROOF,
IP66, 4FT, GREY, 3000K/4000K/5700K WITH EMERGENCY PACK
RHEX12E-24****PLEASE READ INSTRUCTION BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCES.**

! Electrical products can cause death or injury, or damage to property. If in any doubt about the installation or use of this product, consult a competent electrician. Product or a person falling from height can cause serious personal injury. Please ensure suitable equipment is used by a competent person.

Note:

Product technical information and specification may change over time without prior notification. For the latest technical information please visit our web site www.robust.com.au and www.robustled.co.nz

-20°C < Ta < +40°C, 220-240V~50/60Hz, Class I, IP66, Battery warranty 3 years, Luminaire is non-dimmable

Installation

1. Ensure mains supply is switched off before commencing work.
2. Select suitable location for luminaire.
3. Safety note! The power supply cord must not be exposed to mechanical damage.
4. Disassemble the fitting base from the fitting (as per fig. 2 & 3).
5. Mark appropriate fixing hole positions on wall based on the dimensional distance marked on the back of fitting, check location of buried cables, pipes and other building services before drilling. Drill holes in the wall and insert the wall plugs, fix the brackets onto the wall.
6. Assemble the IP gland to the end of fitting and attach the base to the brackets. Feed supply cables through the IP gland and tighten the gland cap.
7. Connect supply power cables to terminal: Brown/Live to SL, Blue/Neutral to N and Green/ Yellow to earth. For fitting always on, link terminal "SL" to terminal "PL". When controlled by switch connect switched live wire to terminal SL and permanent live to PL. Note: if "SL" isn't connected, the light fitting would be non-maintained.
8. Write installation date on emergency pack label and make sure that the battery terminals were firmly fitted to the respective socket by verifying its polarity.
9. Select the wattage and CCT using the switch on the driver. Factory default setting: 4000K, 32W. WARNING: Do not change the wattage or CCT when the fitting is on.
10. Refit the front diffuser to the base and secure using the lock mechanism.

Switch on the top of emergency driver: Stop the emergency process when it is in a state of emergency.

Switch on the side of emergency driver: Self-Test or Manual-Test.

Test Switch: The fitting will enter emergency mode for a short period of time when the test-switch is pressed.

Note: This luminaire has no user serviceable parts. If damaged, disconnect from mains and discontinue use.

Emergency Function

This is a maintained and non-maintained emergency fitting. As maintained, when main power is connected, the fitting lights up and the green charging LED should come on to indicate the correct battery has started charging. When main power is lost, the fitting will go into emergency mode, emergency LEDs will be on. Testing and inspection must be in accordance with local codes of practice.

Manual-Test Function: Green LED is on normally, Yellow LEDs are disable. Interrupt supply by pressing the test switch, the fitting will then operate in emergency mode.

Self-Test Function:

1. Green LED on: Normal charging mode, 220-240V Supply connected
2. 1-Month test, Test duration 15s
3. 6-Month Test. Test duration 1.5 hours

Yellow LED Function:

Off: Normal status, waiting for next test

Slow Flash 1: 2s on/ 2s Off: Performing self-test

Slow Flash 2: 4s on/ 1s Off: Self-test recently performed and passed (will stop after 5 days)

Fast Flash: 0.5s on/ 0.5 off: Performing fault.

Note: It would be fast flash status once battery gets disconnected.

After installation, It will take 16hours to get the battery fully charged. If charging is interrupted by cutting supply off, charging timer will be restarted back zero and count down for another 16 hours. When fully charged, automatic 2-hour discharge test will start. After the initial test, the fitting will enter 1-month and 6-month (Half a year) self-test schedules.

1-Month Test Cycle

a. At the start of the month the yellow indicator will Slow Flash 2 for 5 days and then turn off until the day 30th day.

b. On day 30 at the end of month yellow indicator will Slow Flash 1. Green LED will go out, the fitting will enter self-test discharge and will be powered by the battery for 15s.

c. 6-Month Test (half a year): At the start of the 6th month yellow indicator will Slow Flash 2 for 5 days.

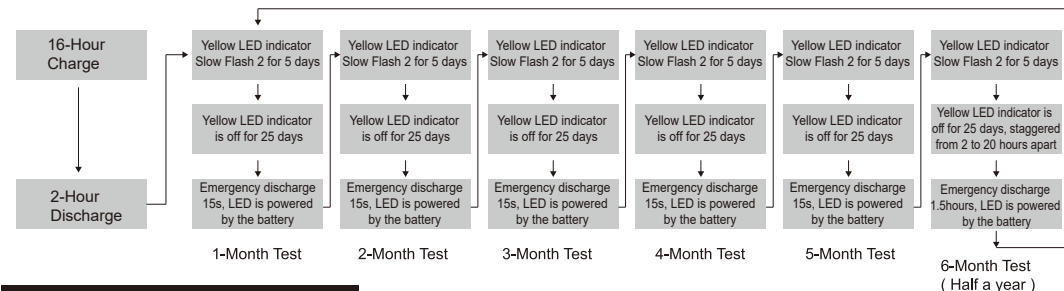
d. On day 30 at the end of month yellow will Slow Flash 1. Green LED will go out, the fitting will enter self-test discharge and will be powered by the battery for 1.5 hours.

Note: To avoid limited battery capacity in the event of mains failure. Self-Test emergency fitting discharge times will be staggered throughout the building by 2-20 hours.

1. Daily check: Green LED indicator is working.
2. Monthly check: The status of yellow LED indicators and emergency battery discharges.
3. 6-Month check: That the self-test operation is working, the emergency LED comes on and lasts for a minimum 1.5 hours.
4. Complete record sheet on installation and retain in maintenance file.
5. Update file with ongoing test records for inspection by fire officer or other duly authorised person.
6. The battery should be replaced if, after 16 hours of charging, the fitting fails to light for 1.5 hours. The battery should only be replaced by a qualified person.

Re-set factory setting:

1. During the 16 hour charging period: Either a. disconnect mains supply, b. disconnect battery or c. press test switch. Any of these three operations will restart the 16-hour charge period.
2. During the Self-test process, disconnect battery and then re-connect it deliberately. self-test process will end and the test result will be a fail (yellow LED Fast Flash). In order to restart, press tested switch 5 times in 5s, and then press and hold it for 5s in 10s, the yellow LED indicator will flash one time, factory re-set complete successfully.
3. When Self-Test process has finished, it also can be re-operated above 2nd point to re-set factory setting. Note: When factory re-set has been performed the timing clock will start at zero. There will be a 16-hours charge period and 2-hour discharge. The test schedule will commence and perform 1 month and 6 months tests. A manual Test by only cutting off mains supply for 2 hours will not affect the test schedule. Another automatic restart-up mode after maintenance (cut off main supply and disconnect battery). Fitting will be restarted as well. After 16 charge and 2 hours discharge, the test schedule will commence as usual and yellow LED will indicate status.

Self-test normal process**Installation and Maintenance Record:**

Installer

Installation

Type

Installation test duration & date

Month	Test	1 st Year		2 nd Year		3 rd Year		4 th Year		5 th Year	
		Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1	Short										
2	Short										
3	Short										
4	Short										
5	Short										
6	1.5Hr.										
7	Short										
8	Short										
9	Short										
10	Short										
11	Short										
12	Short										
	1.5Hr.										

The Installation must be carried out by a qualified electrician

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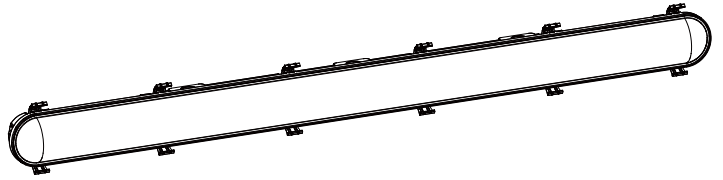
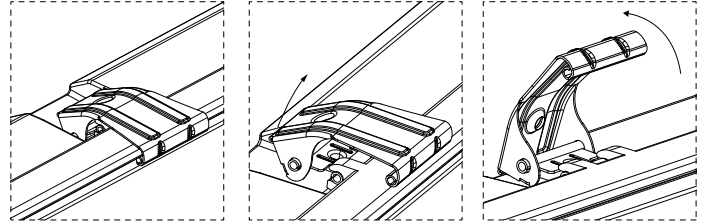
1.58Kg

1270mm

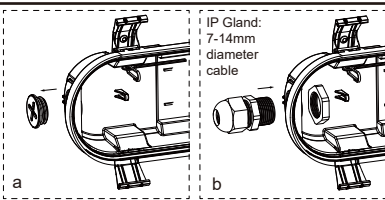
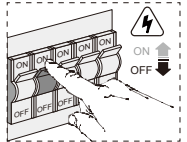
78mm

96mm

1



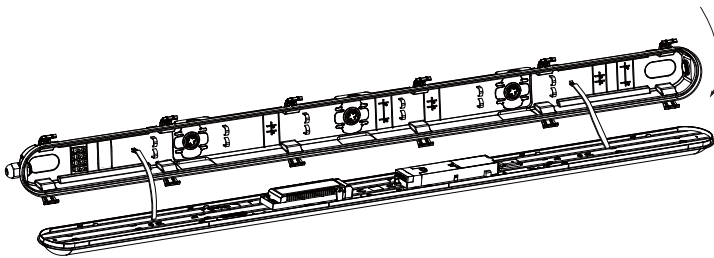
2



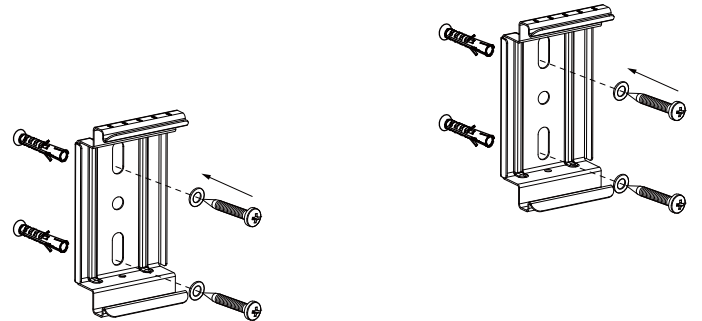
IP Gland:
7-14mm
diameter
cable

a

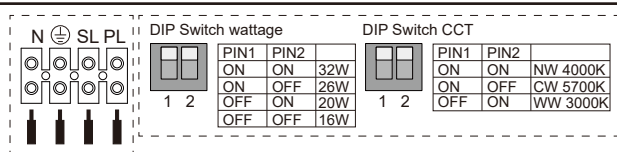
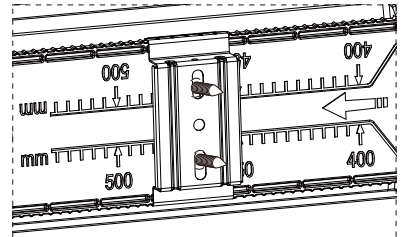
b



3



4

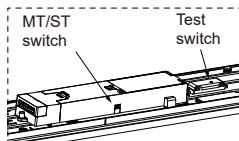
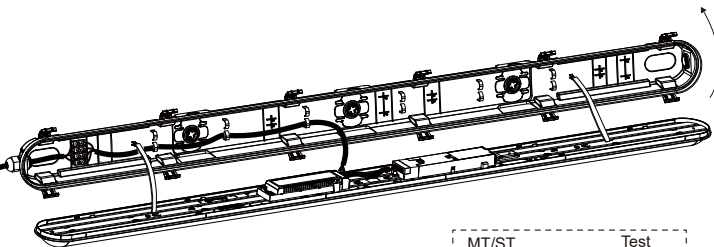


DIP Switch wattage

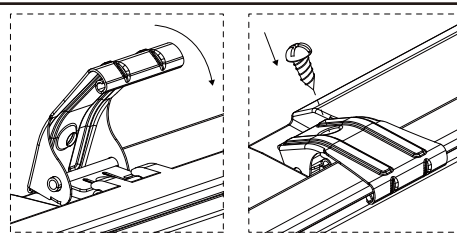
DIP Switch CCT

PIN1	PIN2	
ON	ON	32W
ON	OFF	26W
OFF	ON	20W
OFF	OFF	16W

PIN1	PIN2	
ON	ON	NW 4000K
ON	OFF	CW 5700K
OFF	ON	WW 3000K



5



6

