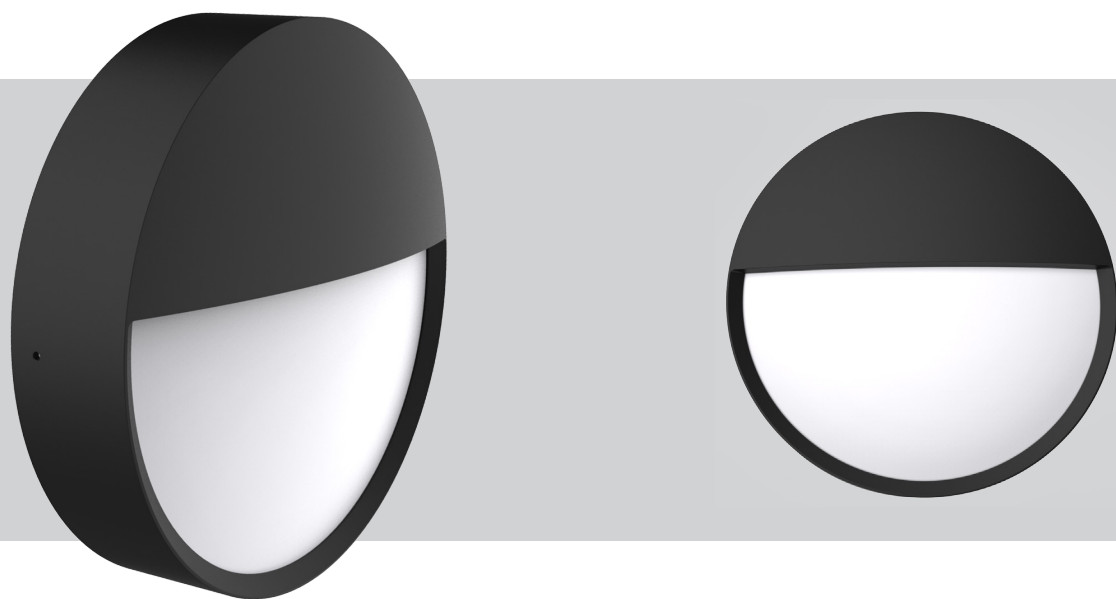SPECIFICATION

E-clips Decorative LED Bulkhead Series

Introduction

The E-clips LED bulkhead adopts die-casting Aluminum body and 94-V0 fire-rated PC cover. This fixture provides an alternative to the color changeable. These lights are a perfect answer to complete your outdoor look.

Features

1. Round fixture, with 94-V0 PC cover
2. Long lifetime of 50,000 hours.
3. CCT: 3000K 4000K 5000K 5700K.
4. Built-in LED driver.
5. Triac dimmable and color changeable functions both available
6. High ingress protection rating:IP65, IK10, Class I
7. Ideal replacement for traditional Halogen or fluorescent wall lights.

Application Areas

It is designed for general lighting applications. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

3-CCT in 1 Lamp
Slide switch for color selection

110° | IP65 | PF 0.9 | CRI ≥80 | 50000 HOURS
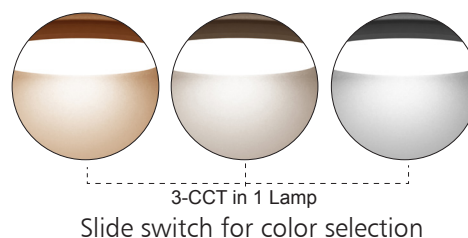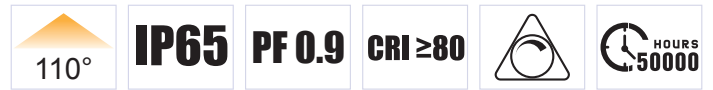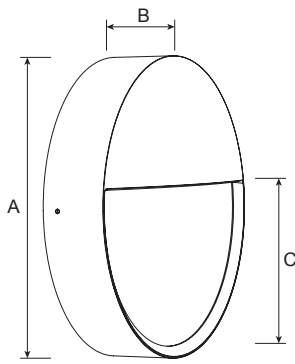
Measurement

Model	Dimension(mm)			Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
10"	250	74	143	Ø250*74	1.1	1.3	11	14	59*52.5*29.5	10	2880	6800

Technical Data Sheet

Model No.			LT66-10-12W
Watt(W)			12W
Dimension(mm)			Ø250*74
Rated Input Voltage(V)			AC230V
Input Voltage(V)			AC200-240V
LED			SMD
SDCM			<6
CCT(K)			1-CCT: 3000K / 4000K / 5000K / 5700K ‖ 3-CCT: 3000K / 4000K / 5700K
"Luminous Flux (lm) ±5%	1-CCT	Non-DIM	900-1100
		DIM	880-1050
	3-CCT	Non-DIM	880-1100
		DIM	880-1050
CRI			≥80
Beam Angle (°)			110°
LED Driver			Built-in
DIM			YES
CCT Selection Switch			YES
Protection Class			Class Ⅰ
IP Rating			IP65
IK Rating			IK08
Finishing color			Black (RAL 9005)
Material			Aluminium / PC
Lifetime (hr)			50,000h
Glow wire test (°C)			750℃
Operating Temp.(°C)			-20℃ ~45℃
Storage Temp.(°C)			-20℃ ~65℃
Installation			Surface Mounted
Brand Driver option			–

Driver Datasheet (Non-dimmable)

Power	12W
Rated Input Voltage(V)	AC230V
Frequency	50/60Hz
Input Voltage	AC200-240V
Efficiency	≥88%
Total load wattage	12W±1W
Power Factor	0.9
Rated Input Current	≤0.07A
Full load output voltage	DC60-80V
Rated output curent	150mA
Output current range	150mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	–
Surge	L-N 500V LN-PE 1KV
Withstand voltage	–

Driver Datasheet (Triac Dimmable)

Power	12W
Rated Input Voltage(V)	AC230V
Frequency	50Hz
Input Voltage	AC200-240V
Efficiency	85%
Total load wattage	12W±1W
Power Factor	0.9
Rated Input Current	≤0.07A
Full load output voltage	DC65-75V
Rated output curent	150mA
Output current range	150mA±5%
Power tolerance	±5%
Current output tolerance	±5%
Dimming Range	8%-100%
Short circuit protection	PASS
Over voltage protection	PASS
Over temperature protection	PASS
THD	<20%@230V
Surge	L-N 500V LN-PE 1KV
Withstand voltage	–

Driver Datasheet (Emergency)

Rated Input Voltage(V)	AC230V
Frequency	50/60Hz
Input Voltage	AC200-240V
Efficiency	≥70%
Total load wattage	3W±0.5W
Rated Input Current	≤0.04A
Full load output voltage	DC60-75V
Rated output curent	33-26mA
Battery duration	>3h
Charge Period	<24h

Wiring Diagram:
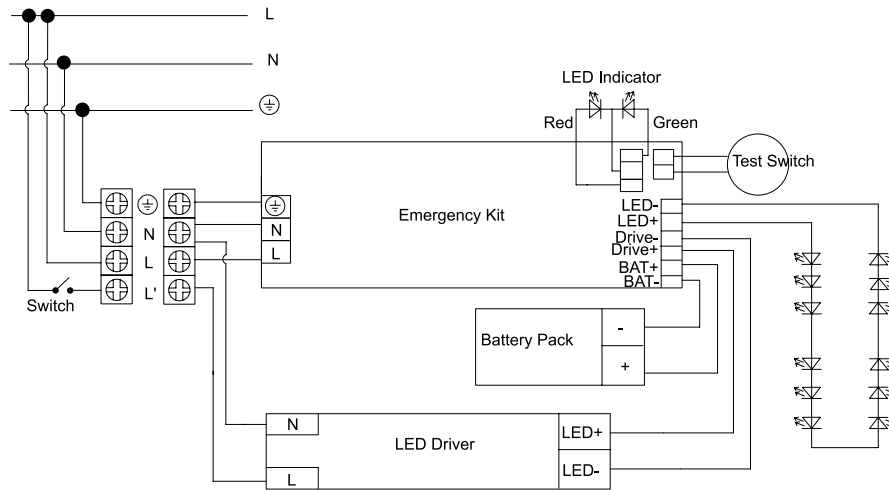
Instructions for automatic test option

1.Once the unit is powered up it will automaticlly initiate a self test and diagnostics as follows:
• Every 4seconds:Check for battery disconnection,charger board fault,lamp failure and transformer failure.
• Every month:Perform a 3minute duration test.
• Every yeat:Perform a 1 Hour or 3 Hours duration test.
• Automatic test status: Connect the battery, start timing after L' and N connected with mains supply; Memory test time within 7 days available when the mains supply stopped.
All test functions are factory preset and do not need field adjustment.

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

•	One flash, 4 second pause	Battery not connected
• •	Two flashs, 4 second pause	Battery short or low battery voltage
• • •	Three flashs, 4 second pause	Charger board fault
• • • •	Four flashs, 4 second pause	Transformer fault
• • • • •	Five flashs, 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 Test

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

Note: DALI & 0-10V driver specification, please refer to individual driver datasheet.

Installation Procedure
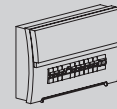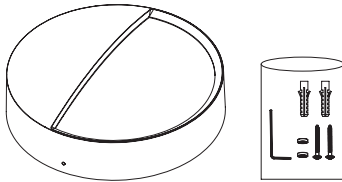
Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.
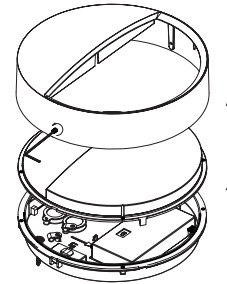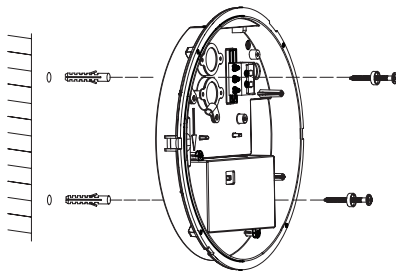
🔧 How to install
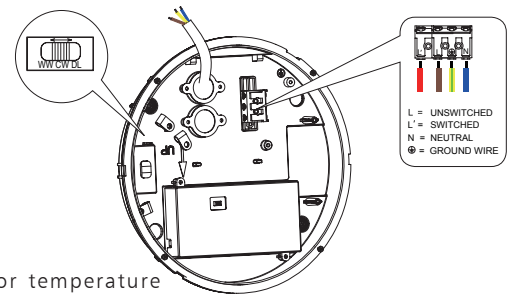
Step 1

Take out the lamp and accessory.

Step 2

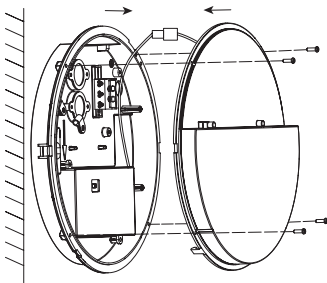Make the frame, diffuser and back housing separately.

Step 3

Fix the back housing on the wall or ceiling by screws.

Step 4

WW CW DL

L = UNSWITCHED
L' = SWITCHED
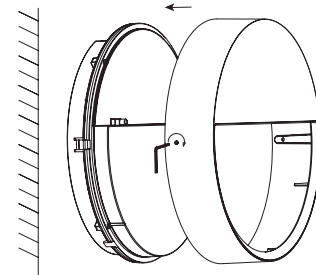N = NEUTRAL
⏚ = GROUND WIRE

Choose the color temperature with DIP switch if it's the color changeable version, then connect the wires well.
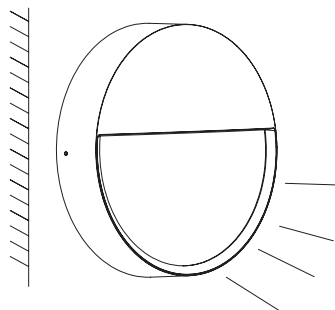
Step 5

Connect the DC plug(if with Emergency , connect the plugs between the battery and driver), put back the cover to the back plate and fix it by screws

Step 6

Buckle the frame back and fix it by proper tools.

Step 7

Installation finished, turn on the switch.

OFF
ON
DIM