

LED Bulkhead

Sahara 250



WW CW DL

Color changeable



Emergency

Introduction

Sahara 250 LED Bulkhead adopts Die-casting aluminum body and 94-V0 fire-rated PC cover. This fixture provides an alternative to the color changeable and Emergency function. These lights are a perfect answer to complete your outdoor look.

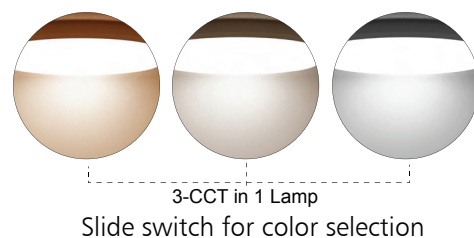
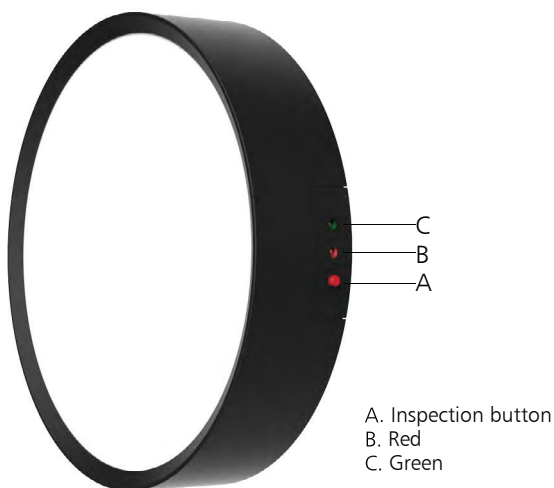


Features

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, color changeable and Emergency functions available.
6. High ingress protection rating: IP65, IK10, Class I.
7. Ideal replacement for traditional Halogen or fluorescent wall lights.

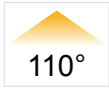
Application Areas

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



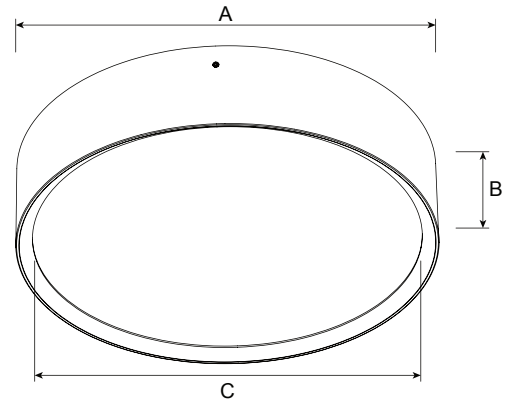
Emergency

1. Green indicator flash: Normal Operation
2. Red indicator flash: Battery Fault

**IP65****PF 0.9****CRI ≥80****50000 HOURS**

Measurement

Model	Dimension(mm)			Size(mm)	Product Weight (Kg)	
	A	B	C		N.W/PC	G.W/PC
Standard	250	58	229	Ø250*58	1.05	1.25
Emergency	250	58	229	Ø250*58	1.15	1.35



Technical Data Sheet

Model No.			GUSAH-12W-250	GUSAH-18W-250
Watt(W)			12W	18W
Dimension(mm)			Ø250*58	
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	1050-1250	1500-1850
		DIM	1000-1200	1450-1800
	3-CCT	Non-DIM	1000-1200	1450-1800
		DIM	980-1200	1400-1750
CRI			≥80	
Beam Angle (°)			110°	
LED Driver			Built-in	
DIM			YES	
CCT Selection Switch			YES	
Emergency Kits			YES	
Protection Class			Class I	
IP Rating			IP65	
IK Rating			IK10	
Finishing color			Black (RAL 9005)	
Material			Aluminium / PC	
Lifetime (hr)			50,000h	
Glow wire test (°C)			750°C	
Operating Temp.(°C)			-20°C ~45°C	
Storage Temp.(°C)			-20°C ~65°C	
Installation			Surface Mounted	
Brand Driver option			-	

Driver Datasheet (Non-Dimmable)

Power	12W	18W
Rated Input Voltage(V)	AC230V	
Frequency	50/60Hz	
Input Voltage	AC200-240V	
Efficiency	≥88%	≥88%
Total load wattage	12W±1W	18W±1W
Power Factor	0.9	
Rated Input Current	≤0.07A	≤0.1A
Full load output voltage	DC60-80V	DC60-80V
Rated output current	150mA	230mA
Output current range	150mA±5%	230mA±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	-	

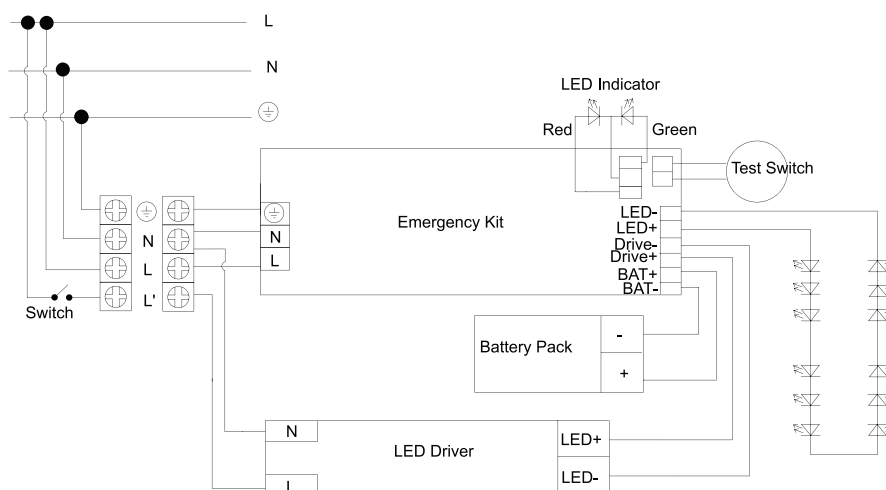
Driver Datasheet (Triac Dimmable)

Power	12W	18W
Rated Input Voltage(V)	AC230V	
Frequency	50Hz	
Input Voltage	AC200-240V	
Efficiency	85%	85%
Total load wattage	15W±1W	18W±1W
Power Factor	0.9	
Rated Input Current	≤0.07A	≤0.1A
Full load output voltage	DC65-75V	DC65-75V
Rated output current	150mA	230mA
Output current range	150mA±5%	230mA±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 current	33-26mA
Battery duration	>3h
Charge Period	<24h

Wiring Diagram:



Instructions for automatic test option

1. Once the unit is powered up it will automatically initiate a self test and diagnostics as follows:

- Every 4 seconds: Check for battery disconnection, charger board fault, lamp failure and transformer failure.
- Every month: Perform a 3minute duration test.
- Every year: 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 Meanings

- Solid green light indicates Ready/Normal operation
- Red light requires service

•	One flash, 4 seconds pause	Battery not connected
• •	Two flashes, 4 seconds pause	Battery short or low battery voltage
• • •	Three flashes, 4 seconds pause	Charger board fault
• • • •	Four flashes, 4 seconds pause	Transformer fault
• • • • •	Five flashes, 4 seconds 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 seconds duration test
Press test button twice within 2 seconds	3 minutes 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.