

Ossa-i Bulkhead

Switchable CCT Slim IP65 Vandal Resistant Bulkhead with Microwave Sensor, Emergency and Decorative Trim Options



Overview

The Ossa-i bulkhead has a switchable CCT, so you can select from a range of colour temperatures. The bulkhead offers a low maintenance and robust solution to lighting in all areas where a practical lighting solution is required. There are options of manual (built-in) or self-test (optional) emergency modules and a microwave sensor. The bulkhead may be used as a simple utility style bulkhead without a trim or can be enhanced with one of the decorative trims to give a higher aesthetic appeal where required. Optional backlight rings are supplied with the 379mm trims but do not have to be used. Supplied with small white trim as standard.

Features

- Switchable CCT (3000K/4000K/5000K)
- Choice of alternative decorative trims
- Optional backlight rings (red/green/blue) supplied with 379mm trims
- Emergency option
- Microwave sensor option
- Class II, IP65, IK10
- Polycarbonate
- Rear entry plus 4 x 20mm side knockouts

Optional Emergency Module

The optional standard or self-test emergency modules provides power in the event of a cut in the supply. The battery will supply the LED tray for over 3 hours at a reduced output level.

Optional Microwave Sensor

The optional microwave motion sensor has ambient light level threshold, detection sensitivity and hold time settings. There is also the option to use corridor dimming functionality.

Product Specifications

Product Code	KBHCT12C9S65/SCT-WHT	KBHCT12C9S65/E/SCT-WHT
ID	06145	06146
Voltage	220-240Vac 50/60Hz	220-240Vac 50/60Hz
Current (mA)	56	56
Rated Power (W)	12	12
CCT	3000k Warm White 4000k Cool White 5000k Day Light	3000k Warm White 4000k Cool White 5000k Day Light
Power Factor	0.94	0.94
In-rush current (A)	6.4 / 1.2µs	6.4 / 1.2µs
Luminous Flux (lm)	1050 (3000k) 1150 (4000k, 5000k)	1050 (3000k) 1150 (4000k, 5000k)
Nominal Lifetime (h)	40000	40000
Lifetime (L70B50) (h)	54000	54000
Lifetime (L80B10) (h)	54000	54000
Lifetime (L90) (h)	26000	26000
Blue Light Hazard	RG1	RG1
Glow Wire Temperature (°C)	650	650
Dimensions (LxWxD) (mm)	70 x 292 ø	70 x 292 ø
Weight (Kg)	0.83	0.83
Protection	Class II, IK10, IP65	Class II, IK10, IP65
Ambient Temperature (°C)	-20 to 40	-20 to 40
Emergency Module Battery	N/A	KBAT2000LFP1
Emergency Luminous Flux (lm)	N/A	110

Light Source Specifications

Lighting Technology used	LED	LED
Directional / Non-Directional	NDLS	NDLS
Cap Type/ interface	Wires	Wires
Mains / Non-Mains	MLS	MLS
Connected Light Source	N	N
Colour Tuneable Lightsource	N	N
High luminance light source	N	N
Anti-glare shield	N	N
Dimmable	N	N
Energy Consumption in on-mode (kWh/1000h)	12	12
Energy Efficiency Class	E	E
Useful Luminous Flux (lm)	1600	1600
Beam Angle Correspondence (°)	360	360
CCT	4000k	4000k
On-mode power (Pon) (W)	12	12
Standby power (Psb) (W)	0	0
Networked standby power (Pnet) (W)	N/A	N/A
CRI	82	82
Dimensions (LxWxD) (mm)	268 x 268 x 23	268 x 268 x 23
Claim of equivalent power	No	No
Equivalent power (W)	N/A	N/A
Chromaticity Coordinates	0.376(x), 0.37(y)	0.376(x), 0.37(y)
Peak luminous intensity (DLS) (cd)	N/A	N/A
Beam angle (DLS) (°)	N/A	N/A
R9 CRI value (LED/OLED)	32	32
Survival Factor	0.9	0.9
Lumen maintenance factor	0.96	0.96
Displacement factor(Mains LED/OLED)	0.91	0.91
Colour consistency in mcdam ellipses (Mains LED/OLED)	6	6
LED light source rep. a fluorescent light source without integrated ballast of a particular wattage (Mains LED/OLED)	N	N
Rep. W claim (MainsLED/OLED)	N/A	N/A
Flicker (pst LM) (Mains LED/OLED)	0.1	0.1
Stroboscopic effect metric (SVM)	0.1	0.1

Emergency Specification

Emergency Module	CEL02LBL/N (Built-in) CEC02LBL/S (self-test)
Emergency Luminous Flux	110lm

Sensor Specification

Microwave Sensor	KBTNLS1-MWS2
Voltage	12Vdc
Stand-by Power	≤0.5mW
Protection	IP20 (when integrated)
Connection	Connector
Working Mode	5V PWM
Frequency / Transmission Power	5.8GHz ± 75MHz ISM band / 0.5mW max
Mounting Height	3-4m (Max 6m)
Detection Radius	≥6m (mounting height 3m, moving speed 0.3m/s)
Detection Area	100%/50%
Detection Angle	150°
Hold Time	8s/30s/3min/30min
Daylight Sensor	5lux/15lux/50lux/Disable
Stand-by Dimming Level	25%/50%
Stand-by Dimming Period	0s/30s/3min/+∞
Net Weight	20g
Operating Temperature	-25 to 60 °C

Order Codes

Description:	Order Code	
Standard	KBHCT12C9S65/SCT-WHT	Standard Ossa-i
Built-in Emergency	KBHCT12C9S65/E/SCT-WHT	Ossa-i with built in Emergency

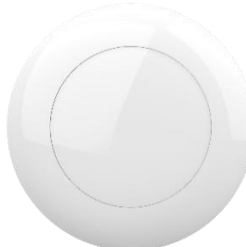
Accessories

Description:	Order Code	Details:
Self-Test Emergency Module	CEC02LBL/S	Self-test emergency module, Li-ion battery
Battery	KBAT2600LI1	Li-ion, 2600mAh, 3.6V Battery (Self-Test)
Battery	KBAT2000LFP1	LiFePO4, 2000mAh, 3.2V Battery (Standard)
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor
Screw	KPT-SCREW1	Anti-vandal screw 5/pack
Tool	KPT-SCREWDRIVER1	Anti-vandal screw driver 2/pack
Clip-on rings Polo	KBHC9-TCHM	Clip-on rings - Chrome
Clip-on rings Polo	KBHC9-TBAS	Clip-on rings – Brass
Clip-on rings Edge	KBHC9-TBLK	Clip-on rings – Matt black
Clip-on rings Edge	KBHC9-TGRY	Clip-on rings – Grey
Clip-on rings Deco	KBHC9-TWHT-L	Clip-on rings – White
Clip-on rings Deco	KBHC9-TCHM-L	Clip-on rings – Chrome
Clip-on rings Deco	KBHC9-TBAS-L	Clip-on rings – Brass
Clip-on rings Deco	KBHC9-TPBL-L	Clip-on rings – Polish black
Clip-on rings Deco	KBHC9-TSCH-L	Clip-on rings – Satin Chrome

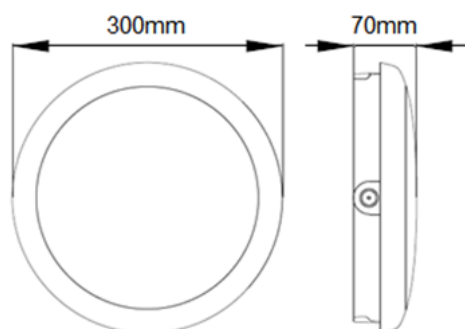
Decorative Trims

Order Code	KBHC9-TBAS	KBHC9-TCHM	KBHC9-TBLK	KBHC9-TGRY
				
Finish	Brass	Chrome	Matt Black	Grey
LOR	65 %	65 %	62 %	65 %
Diameter	300 mm	300 mm	292 mm	292 mm
Depth	70 mm	70 mm	70 mm	70 mm

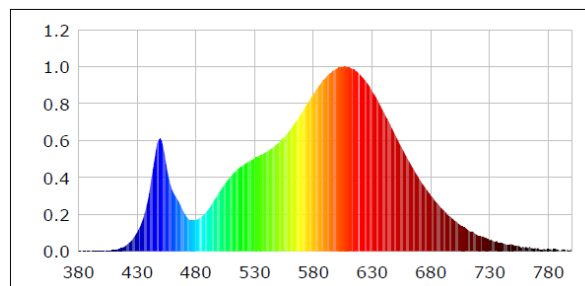
Order Code	KBHC9-TBAS-L	KBHC9-TCHM-L	KBHC9-TPBL-L
			
Finish	Brass	Chrome	Polished Black
LOR	65 %	65 %	62 %
Diameter	379 mm	379 mm	379 mm
Depth	70 mm	70 mm	70 mm

Order Code	KBHC9-TSCH-L	KBHC9-TWHT-L
		
Finish	Satin Chrome	White
LOR	65 %	65 %
Diameter	379 mm	379 mm
Depth	70 mm	70 mm

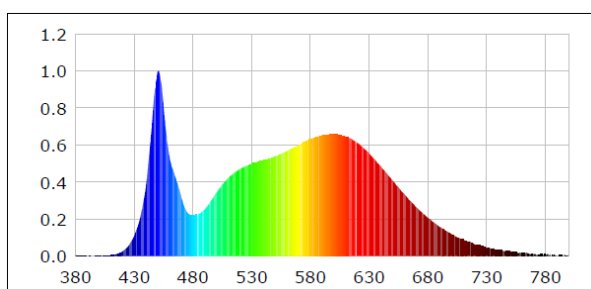
Dimensions



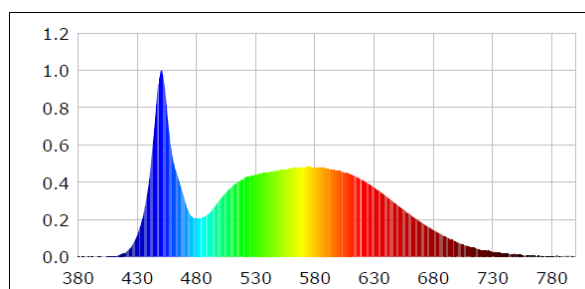
Photometric Information



3000K



4000K



5000K