



# PRODUCT DATA SHEET

## EDEN

HIGH QUALITY IP65 COMPACT BULKHEAD



### IMAGES

- A Standard surface mounting Eden.
- B Eden fitted with semi-recessing trim (suffix **/ED/WH**).
- C Eden fitted with self-adhesive legend kit (suffix **/SAL1**).

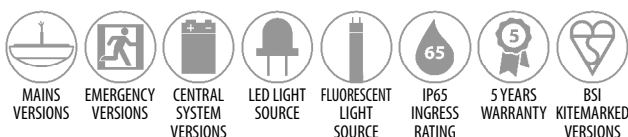
### FEATURES

#### ALL MODELS

- Soft arc linear diffuser designed to provide maximum spacings between emergency luminaires.
- IP65 flame retardant polycarbonate enclosure (white base/clear diffuser) and screw-fixing diffuser located with brass threaded inserts.
- Can be fitted with a self-adhesive legend kit to create an exit sign.

#### LED MODELS ONLY



- LED high output options suitable for high bay applications.
- TM-21 L70 greater than 54,000 hours using 0.5W 150 lumen/Watt LEDs.
- CRI 80 (minimum) and 3 step MacAdam rated.
- 4000K colour temperature as standard (2700K - 6500K available to order).



**BRITISH STANDARD  
KITEMARKED OPTIONS  
AVAILABLE**

## CATALOGUE NUMBERS & INFORMATION

MAINS LUMINAIRES			MAINS LUMENS			EMERGENCY LUMENS		
CAT NO	WATTS	WEIGHT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT			
ED/LED	3.5W	1.20Kg		150				
ED/LEDH	6W	1.20Kg			342			

EMERGENCY LUMINAIRES			MAINS LUMENS			EMERGENCY LUMENS		
CAT NO	WATTS	WEIGHT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT
ED/LEDE/M3E	5.5W	1.45Kg	75			75		
ED/LED/M3 	7.5W	1.45Kg		120			120	
ED/LEDH/M3H 	6W	1.45Kg			200			200
ED/LED/NM3H	7W	1.20Kg						305
ED/LEDH/C3	13W	1.45Kg			342		120	
ED/LEDH/C3H	13W	1.45Kg			342			305
ED8/NM3/E	8W	1.20Kg				80		
ED8/NM3	8W	1.20Kg					120	
ED8/M3/E	16.5W	1.45Kg		400		80		
ED8/M3	16.5W	1.45Kg		400			120	

CENTRAL SYSTEM SLAVE LUMINAIRES				MAINS LUMENS			EMERGENCY LUMENS		
CAT NO	W	VA	WEIGHT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT
ED/LED/24D	4	3	1.20Kg					135	
ED/LED/50D	4	3	1.20Kg					135	
ED/LED/110D	4	3	1.20Kg					150	
ED/LED/220D	4	3	1.20Kg					150	

\* Power shown in low Voltage operation to aid sizing of central systems.

## OPTIONS

Products incorporating any of the following options are manufactured to order. Some options may not be available in all models.

- /2K7 2700K colour temperature
- /3K 3000K colour temperature
- /5K 5000K colour temperature
- /6K5 6500K colour temperature
- /AD Intelligent addressable luminaire
- /DAE DALI emergency mode only
- /ED/WH White semi-recessing kit
- /M IP65 metal base
- /SAL1 BS5499 format self-adhesive legend kit
- /SAL1/7010 EN7010 format self-adhesive legend kit
- /ST Digital self-test
- /TS Push-to-test switch
- /VR Anti-tamper screws

## DIMENSIONS

### LUMINAIRE DIMENSIONS

Length 350mm x Width 108mm x Depth 80mm

### CUT-OUT DIMENSIONS

Length 330mm x Width 90mm (when supplied with ED/WH semi-recessing kit)

### VIEWING DISTANCE

18 Metres (when supplied with self-adhesive legend kit)

# SPECIFICATION

## GENERAL

Country of Origin: United Kingdom.  
CE Mark Compliance: CE marked, REACH and RoHS compliant.  
Manufactured to Standards: BS EN60598-2-1 (mains), BS EN60598-2-22 (emergency).  
Manufacturing Quality Approval: ISO 9001:2015.

## CONSTRUCTION

Body Construction: 850°C compliant polycarbonate.  
Body Finish: White.  
Protection Degree: IP65.  
Insulation Class: Class 1.  
Light Distribution Category: General.  
Reflector Material: Sheet steel.  
Reflector Type: Flat gear tray style.  
Reflector Finish: White powder coated.  
Diffuser Material: Self-extinguishing polycarbonate.  
Diffuser Type: Clear.  
Diffuser Finish: Patterned.  
Cabling: 90°C single core 0.8mm to BS6500 Grade 5.  
Supply Voltage: 230/240V AC 50/60Hz (replace 230V with 24V, 50V, 110V or 220V for slave versions).

## LED CONTROL GEAR

LED Mains Luminaires:

CAT NO	V-OUT	I-OUT
ED/LED	3V	350mA
ED/LEDH	8V	350mA

- Designed and manufactured in accordance with BS EN61347-2-13, BS EN62384, BS EN55015, BS EN61000-3-2 and BS EN61000-3-3.

Fluorescent Mains Luminaires:

- High frequency control gear as standard.

LED Emergency Luminaires:

CAT NO	V-OUT	I-OUT
ED/LED/M3	3V	300mA
ED/LEDH/M3H	3V	450mA
ED/LED/NM3H	3V	850mA
ED/LEDH/C3	8V/3V	350mA/300mA
ED/LEDH/C3H	8V/3V	350mA/850mA

- Constant current output emergency LED drivers.  
- Input Voltage 230/240V AC 50/60Hz.  
- Designed and manufactured in accordance with BS EN61347-2-7, BS EN61347-2-13, BS EN62384, BS EN55015, BS EN61000-3-2 and BS EN61000-3-3.  
- Certified to BS EN61347-2-13, BS EN62384, BS EN55015, BS EN61000-3-2 and BS EN61000-3-3.  
- Suitable for use with Ni-Cad battery technology.

Fluorescent Emergency Luminaires:

- Emergency control gear certified to BS EN61347-2-13, BS EN55015, BS EN61000-3-2 and BS EN61000-3-3.

LED Slave Luminaires:

- Low Voltage LED control gear designed for use with low Voltage central systems, constant power output suitable for LED loads of 3-80V DC.  
- Designed and manufactured in accordance with BS EN61347-2-13, BS EN62384, BS EN55015, BS EN61000-3-2 and BS EN61000-3-3.

CAT NO	V-OUT	I-OUT
ED/LED/24D	3V	350mA
ED/LED/50D	3V	350mA
ED/LED/110D	3V	350mA
ED/LED/220D	3V	350mA

Fluorescent Slave Luminaires:

- Suitable for use with 24V, 50V or 110V central systems.  
- All inverters incorporate an AC hold-off relay.  
- Designed to conform with the relevant sections of EN 61347.

## LEDs

LED Type: 2835 SMT mid power.  
LED Colour Temperature: 4000K (2700K-6500K available to order).  
CRI Minimum: 80.  
SDCM: 3 (MacAdam rating).  
LED Lifetime: TM21 L70 >54,000 hours.  
LED Manufacturer(s): Seoul semiconductor / Plessey / CREE or equivalent.

## SPECIFICATION (CONTINUED)

### LAMPS

Lamp Type:	8W T5 fluorescent.
Lamp Colour Temperature:	3500K.
CRI Minimum:	80.

*Orbik has a policy of constant product improvement and therefore reserve the right to modify specifications without prior notice. All details and specifications shown within this data sheet are deemed correct at the time of print.*



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