



PRODUCT DATA SHEET

ARC

IP65 COMPACT BULKHEAD LUMINAIRE



IMAGES

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

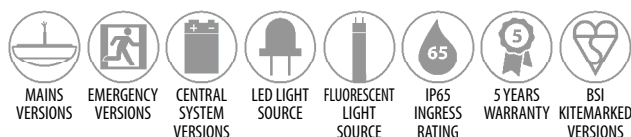
FEATURES

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).
- 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			
AR/LED	3.5W	0.90Kg		150				
AR/LEDH	6W	0.90Kg			360			
AR2X8	17W	0.90Kg		640				

EMERGENCY LUMINAIRES			MAINS LUMENS			EMERGENCY LUMENS		
CAT NO	WATTS	WEIGHT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT
AR/LEDE/M3E	5.5W	1.20Kg	75			75		
AR/LED/M3	7.5W	1.20Kg		120			120	
AR/LEDH/M3H	6W	1.20Kg			200			200
AR/LED/NM3H	7W	1.20Kg						320
AR/LEDH/C3	13W	1.20Kg			360		120	
AR/LEDH/C3H	13W	1.20Kg			360			320
AR8/NM3/E	8W	1.20Kg				80		
AR8/NM3	8W	1.20Kg					120	
AR8/M3/E	16.5W	1.20Kg		400		80		
AR8/M3	16.5W	1.45Kg		400			120	
AR2X8/NM3	8W	1.70Kg					150	

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
AR/LED/LVR#	4	3	0.85Kg		150			135	
AR/LED/24D	4	3	0.85Kg					135	
AR/LED/50D	4	3	0.85Kg					135	
AR/LED/110D	4	3	0.85Kg					135	
AR/LED/220D	4	3	0.85Kg					150	
AR8/#D	7	20	1.20Kg					275	

* Power shown in low Voltage operation to aid sizing of central systems.
Replace # with AC/DC system Voltage **24, 50, 110** or **220** Volts.

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
- /AR/WH White semi-recessing kit
- /DAE DALI emergency mode only
- /O Opal diffuser
- /SAL1 BS5499 format self-adhesive legend kit
- /SAL1/7010 EN7010 format self-adhesive legend kit
- /ST Digital self-test (not available in 8W M3 versions)
- /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 AR/WH semi-recessing kit)

VIEWING DISTANCE

18 Metres (when supplied with 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.
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).

CONTROL GEAR

LED Mains Luminaires:

CAT NO	V-OUT	I-OUT
AR/LED	3V	350mA
AR/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
AR/LED/M3	3V	300mA
AR/LEDH/M3H	3V	450mA
AR/LED/NM3H	3V	850mA
AR/LEDH/C3	8V/3V	350mA/300mA
AR/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.
- Supplied as standard with 240V hold-off relay.
- 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
AR/LED/LVR24	3V	350mA
AR/LED/LVR50	3V	350mA
AR/LED/LVR110	3V	350mA
AR/LED/LVR220	3V	350mA
AR/LED/24D	3V	350mA
AR/LED/50D	3V	350mA
AR/LED/110D	3V	350mA
AR/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.

SPECIFICATION (CONTINUED)

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.

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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