

40 YEARS OF QUALITY BRITISH MANUFACTURING



ORBID



ELLED

DISTINCTIVE LED LUMINAIRE
PRODUCT DATA SHEET



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ELLED

DISTINCTIVE LED LUMINAIRE



IMAGES

- A Standard recessed Elled.
- B Elled fitted with white surface trim (suffix **/WH**).
- C Elled fitted with (left to right) brass surface trim (suffix **/BR**) and chrome surface trim (suffix **/CH**).

FEATURES

- Seamless design to blend into any lighting scheme.
- Specially developed LED driver.
- High quality 3W (150 lumens/Watt) LED with extended life expectancy.
- Supplied as an open area version as standard with corridor versions to illuminate centre lines of escape routes available as an option.
- Refractor lens provides efficient light distribution pattern.
- Self-test versions designed to the requirements of BS EN62034:2006.
- Options include cold store application versions and surface trims in a variety of colour finishes.
- Emergency versions utilise Nickel Metal Hydride battery packs.



EMERGENCY
VERSIONS



CENTRAL
SYSTEM
VERSIONS



LED LIGHT
SOURCE



IP20
INGRESS
RATING



5 YEARS
WARRANTY

CATALOGUE NUMBERS & INFORMATION

EMERGENCY LUMINAIRE			MAINS LUMENS			EMERGENCY LUMENS		
CAT NO	WATTS	WEIGHT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT
ELL/LED/NM3/OA	2.5W	0.50Kg					155	

CENTRAL SYSTEM SLAVE LUMINAIRES			MAINS LUMENS			EMERGENCY LUMENS		
CAT NO	WATTS	WEIGHT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT	ECONOMY OUTPUT	STANDARD OUTPUT	HIGH OUTPUT
ELL/LED/#D/OA	3W	0.50Kg					155	

Replace # with AC/DC system Voltage **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.

- /30°C** Cold store version (suitable to ambients down to -30°C)
- /BR** Brass surface trim
- /CH** Chrome surface trim
- /CR** Corridor version (replaces /OA suffix)
- /ST** Digital self-test
- /WH** White surface trim

DIMENSIONS

LUMINAIRE DIMENSIONS

Ø 120mm x Depth 67mm (35mm below the ceiling when recessed)

EMERGENCY PACK DIMENSIONS

Ø 75mm x Depth 190mm

CUT-OUT DIMENSIONS (RECESSED LUMINAIRES ONLY)

Ø 100mm

SPECIFICATION

GENERAL

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

CONSTRUCTION

Body Construction: 850°C compliant polycarbonate.
Body Finish: White.
Protection Degree: IP20.
Insulation Class: Class 1.
Light Distribution Category: LED downlight.
Reflector Material: Polycarbonate.
Reflector Type: Parabolic.
Reflector Finish: White.
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 110V or 220V for slave versions).

CONTROL GEAR

Emergency Luminaires:

CAT NO	V-OUT	I-OUT
ELL/LED/NM3/OA	3V	400mA

- Constant current output emergency LED drivers.
- Input Voltage 230/240V AC 50/60Hz.
- Luminaires have control gear fitted integral to the luminaire.
- Designed and manufactured in accordance with BS EN61347-2-13, BS EN62384, BS EN55015, BS EN61000-3-2 and BS EN61000-3-3.
- Suitable for use with 3 x 2.2Ah Ni-Cad or Ni-MH batteries.

Slave Luminaires:

CAT NO	V-OUT	I-OUT
ELL/LED/110D/OA	3V	400mA
ELL/LED/220D/OA	3V	400mA

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

LEDs

LED Type: Single source 3535.
LED Colour Temperature: 6500K.
CRI Minimum: 70.
SDCM: 3 (MacAdam rating).
LED Lifetime: TM21 L70 >54,000 hours.
LED Manufacturer(s): Seoul semiconductor / Plessey / CREE or equivalent.

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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