

ARRIAN

Low profile diecast aluminium LED panel



IMAGES

- A. Standard recessed Arrian
- B. Surface mounting Arrian (*suffix /SM*)

FEATURES

- Low profile aluminium body for enhanced thermal dissipation
- Supplied as a recessed luminaire as standard but can be a surface luminaire with the addition of a surface mounting kit
- Uniform light distribution across the panel
- Wide range of optional extras available including DALI and dimmable control gear
- Mains, emergency and slave versions available
- Visually comfortable
- LED life greater than 36,000 hours
- CRI 80 (minimum)
- 4000K colour temperature as standard (2700K - 6500K available to order)
- Luminaires have a rating greater than 90 lm/W
- All stated lumens are actual luminaire output

CATALOGUE NUMBERS & INFORMATION

Mains Luminaires

Cat No	Light Source & Mode	Colour Temperature	Circuit Power	MAINS LUMENS			Weight
				Standard Output	Economy Output (Suffix /E)	High Output (Suffix /H)	
ARN/LED	LED mains	4000K	40W	3800			2.90Kg

Emergency Luminaires

Cat No	Light Source & Mode	Colour Temperature	Circuit Power	EMERGENCY LUMENS			Weight
				Standard Output	Economy Output (Suffix /E)	High Output (Suffix /H)	
ARN/LED/M3	LED M3 emergency	4000K	40W	450			4.10Kg

Slave Luminaires

Cat No	Light Source & Mode	Colour Temperature	Circuit Power	EMERGENCY LUMENS			Weight
				Standard Output	Economy Output (Suffix /E)	High Output (Suffix /H)	
ARN/LED/#D	LED slave	4000K	40W	640			2.90Kg

Replace # with AC/DC system Voltage **24, 50, 110** or **230** Volts

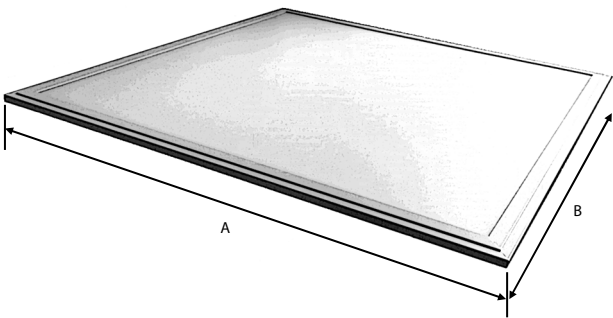
OPTIONS

Products incorporating any of the following options are manufactured to order

- /DAE DALI emergency mode only
- /DAEM DALI mains and emergency mode
- /DAM DALI mains mode only
- /DIM Dimmable control gear
- /SM Surface mounting kit
- /ST Digital self-test

DIMENSIONS

Recessed Versions



Luminaire

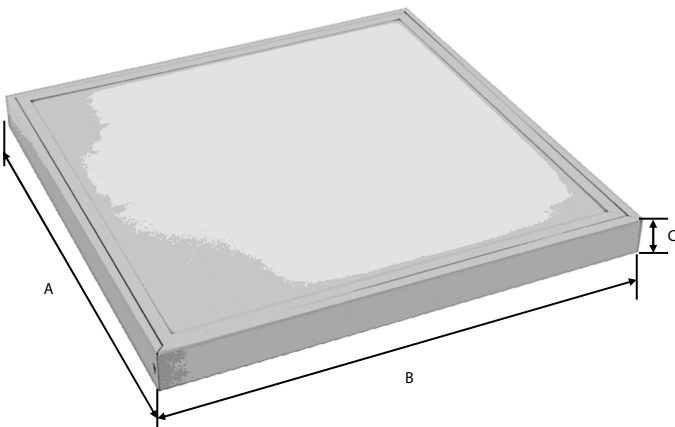
A: 595mm x B: 595mm x Depth: 10mm
(Excluding control gear)

Cut-Out

Length: 585mm x Width: 585mm

* Recessed emergency versions are fitted with an additional steel remote box with dimensions of 430mmL x 150mmW x 50mmD that contains the emergency gear

Surface Mounting Versions



Luminaire

A: 600mm x B: 600mm x C: 50mm

* Surface mounted emergency versions are fitted with an additional fire rated sleeving that contains the emergency gear

SPECIFICATION

General

Country of Origin: United Kingdom
CE Mark Compliance: CE marked REACH and RoHS compliant
Manufactured to Standards: EN60598-2-22: 1999
Manufacturing Quality Approval: ISO9001:2008

Construction

Housing Construction: Aluminium
Body Finish: White powder coated
Protection Degree: IP20
Insulation Class & Supply Voltage: Class 1 230/240V 50/60Hz (mains and emergency versions); Class 1 24V 50/60Hz (24V slave version); Class 1 50V 50/60Hz (50V slave version); Class 1 110V 50/60Hz (110V slave version)
Internal Cabling: 90°C single core 0.8mm to BS6500 Grade 5

Gear

Control Gear Manufacturer/Type: Orbik 15-611 LED driver (mains versions); Orbik 15-611 LED driver plus Orbik LCMR580V LED module (emergency versions); Orbik 15-611 LED driver plus either Orbik LVR24 LED module (24V slave versions), Orbik LVR50 LED module (50V slave versions) or Orbik LVR110 LED module (110V slave versions)
Power Factor Correction: >0.90
Radio Interference Manufactured to: EN55015
Harmonics Manufactured to: EN61000-3-2 Class C
Batteries Employed: 5 x 4Ah Ni-Cd Yuasa cells (ARN/LED/M3 only)

Diffuser

Light Distribution Category: General
Reflector Material: Aluminium
Reflector Type: Polished
Reflector Finish: Flat sheet
Diffuser Material: Polycarbonate
Diffuser Type: Flat sheet
Diffuser Finish: Opal

LED

LED Wattage & Type: 5630 SMT
LED Colour: 4000K
Lamp/LED Manufacturer: Various
Initial Lumen Output: 3800
Circuit Power: 40W



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