

## 5090 INTERIOR SQUARE 2D LUMINAIRE (SELF CONTAINED)

### APPLICATIONS

The 5090 Interior Square 2D Luminaire (Self Contained) is a modern square profile luminaire and is suitable for many internal emergency lighting applications. It is particularly suited for emergency escape routes in hotels, restaurants, hospitals, schools and commercial premises as the attractive fitting will blend in with most modern décor.



### FEATURES

- Tough Opal Diffuser
- Modern Body Styling
- Aesthetically Pleasing
- Easy Installation
- Reliable
- Fire Retardant Housing
- Suitable for Wall or Ceiling Mounting
- Fittings Supplied with 2D Tube
- High Light Transmission Diffuser
- Low Power Consumption
- 4Ah Nickel Cadmium Battery
- 3 Hour Emergency Luminaire
- Designed to Comply with ICEL and British Standards

### OPERATION

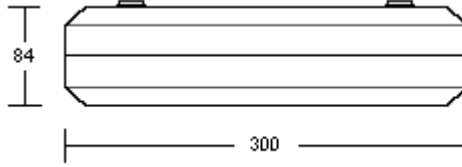
The 5090 Interior Square 2D Luminaire (Self Contained) is available in 16 watt and 28 watt 2D Tube versions as maintained or non-maintained models. In the event of a mains failure, emergency illumination is provided for 3 hours via a Sealed 4Ah Nickel Cadmium Battery. The battery is continually charged so the luminaire can provide full rated duration at any time. The full recharge time for the luminaire is 24 hours, with 14 hours required for 1 hour duration. Slave and Mains versions of the luminaire are also available (*Ref 5091*).

A high quality moulded push fit Opal Diffuser comes as standard. A corner mounted 'LED' indicator allows for easy checking that the luminaire is functioning as it should be. The modern aesthetically pleasing design of the 5090 consists of a white fire retardant base, which make it suitable for mounting on emergency escape routes as defined by BS 60598-2-22 1999.







The 5090 is suitable for both wall and ceiling mounting and the use of a 2D in the unit allows for high light output and low power consumption.

There is a wide range of ancillary devices and related products which supplements this emergency lighting luminaire range.

**APPROVALS** : Designed to conform to ICEL 1001: 1999 and BS EN 60598-2-22 1999



The table below shows the maximum spacing of **5090 28 watt** which should be utilized to ensure the specified illuminance is met.

Model	Mounting Height (m)	Minimum 0.2 lux		Minimum 0.5 lux		Minimum 1.0 lux	
							
M	2.5	3.9	10.0	2.8	7.3	1.9	5.5
	4.0	4.3	11.5	2.5	7.7	n/a	4.9
	6.0	3.9	12.2	n/a	6.6	n/a	n/a
NM	2.5	4.4	11.1	3.1	8.1	2.1	6.1
	4.0	4.8	12.8	2.8	8.6	n/a	5.5
	6.0	4.4	13.6	n/a	7.4	n/a	n/a

**SPECIFICATION**

	28 Watt M	28 Watt NM	16 Watt M	16 Watt NM
<b>Order Code</b>	5090/28M	5090/28NM	5090/16M	5090/16NM
<b>Input Voltage</b>	230 Volt AC +/- 10% 50Hz			
<b>Power Rating</b>	30VA	12VA	30VA	12VA
<b>Light Source</b>	28 Watt 2D		16 Watt 2D	
<b>Light Output</b>	205 Lumens		136 Lumens	
<b>Emergency Duration</b>	3 Hours			
<b>Battery Type</b>	3.6 Volt 4 Ah Nickel Cadmium			
<b>Charger</b>	250mA with Green LED Indicator			
<b>Recharge Time</b>	24 Hours (14 Hours for 1 Hour Duration )			
<b>Dimensions</b>	300 x 84			
<b>Weight (Kg)</b>	3.1	2.2	2.5	2.2