



PRODUCT SPECIFICATION

SOMNUM



INTRODUCTION

The Somnum has been designed to meet both the practical needs of a hospital ward and the stringent requirements of LG2 to ensure that it provides a comfortable light source for patients and a practical source for medical staff to carry out their work.

When wall mounted below a height of 1.8M the optical design of the Somnum in dimmable versions ensure that the luminance between 90° and 145° is below 700 cd/m² to ensure that the lighting does not cause discomfort glare for patients. The downlight output provides a suitable reading light for patients whilst the more powerful uplight is designed to meet the needs of medical staff in the course of their work. Both up and downlight outputs are separately controlled and can be supplied with DALI compatible dimming to ensure that they can integrate with the patient's and staff's controls system. The Somnum is also available in CRI90 variants where required should superior colour rendering be required for clinical purposes.

From a practical perspective the Somnum has been designed to IP30 rating with a minimum of dirt and dust traps for ease of cleaning and to aid maintenance of a sterile environment whilst the housing has been constructed with polycarbonate diffusers and a 3mm gauge aluminium to ensure it is robust enough to withstand the vigours of a hospital environment. The luminaire size is intended to ensure that installation can be undertaken without interfering with other bedside wall mounted equipment and the top surface has been sloped to prevent incorrect use as a shelf. The Somnum is finished with an anti-bacterial paint finish to assist with maintaining a hygienic environment.



CE IP30 IK07 TM21: L90>60K HOURS / L80>100K HOURS 3 STEP MACADAM ELLIPSE

APPLICATION

- Healthcare / Social Housing

SPECIFICATION

CONSTRUCTION

- Housing: 3mm aluminium
- Finish: Polyester powder painted anti microbial RAL 9016 matt white
- Diffuser: 2mm high transmission opal polycarbonate TP(a) rated
- IK07
- IP30
- Painted with an anti-bacterial finish to assist with maintenance of a hygienic environment.
- Sloped housing to prevent misuse as shelf.

PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>100K Hours
- Up to 109 luminaire lumens per circuit Watt.

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive, please see the installation leaflet for maintenance instructions.
- All critical components are mounted on a single tray for simple end of life repair or upgrade.
- Powered by European branded drivers and emergency modules ensuring replacement parts are easily sourced.
- Every luminaire is labelled with a unique ID number allowing easy identification of spare parts for the lifetime of the product.
- Contains no single use plastics or polystyrene packaging.
- Supplied in plain card boxes with paper tape ensuring packaging is easily recycled.
- Designed to allow simple disassembly for end of life recycling.
- UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

EMERGENCY

- Optional central battery changeover relay

CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Independently switched up and downlight with twin drivers.

- Available in a range of dimming variants including DALI to ensure compatibility with control systems for patients and staff.

INSTALLATION

- Suitable for surface installation

VARIATIONS

- Available with a wide range of colour temperatures and renderings
- Available with optional night light

IMAGES

PRODUCT IMAGES



PROJECT IMAGES



A ward using the Somnum



A ward using the Somnum

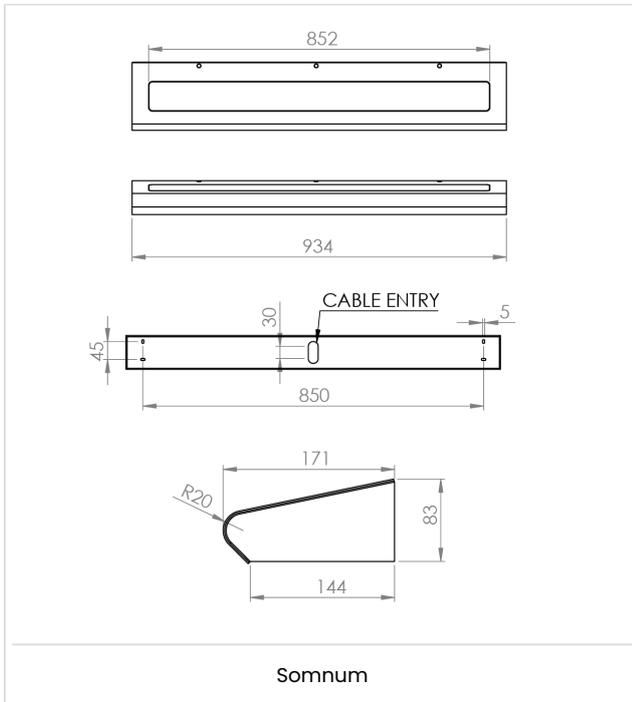


A ward using the Somnum



A ward using the Somnum

TECHNICAL



WARRANTY

At Dextra our commitment to service has been at the forefront throughout our history spanning more than forty years in the UK lighting market. Our service ethos extends beyond design and delivery, we believe supporting your installation throughout the warranty period is equally crucial, whilst the strength and longevity of Dextra Group provides peace of mind that our warranty will be supported throughout.

The Dextra range is supplied with a five year warranty commencing from the date of delivery. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years drivers, emergency modules, wireless modules, sensors and LED circuits will be supplied free of charge to replace defective components, labour and other associated costs are not included.

Certain ranges and components are subject to exemptions:

- ▶ Lithium batteries are provided with a five year warranty. During the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components. Five year warranty became effective as of 03/02/25, Lithium emergency luminaires supplied prior to this date are supported with a three year on site warranty only. Labour and other associated costs are not included. Nickel Metal Hydride and Nickel Cadmium batteries are provided with a one year warranty for parts and labour.
- ▶ Emergency luminaires including AME2, EXI LED, EXI3, HBE3, HBE4, OAT2 LED and Twinspace are supplied with a one year warranty for parts and labour. Lithium variants suffixed with the 5YR part code, the Autotest emergency with the LA3 part code and wireless variants with LA3RC or LSTR part codes are supplied with a five year warranty. For these extended warranty variants for the first three years defects will be repaired on site and the warranty will include both parts and labour. For the final two years replacement batteries will be supplied free of charge to replace defective components.
- ▶ Protec Micro, PTECF7 Fire Rated Downlights, Serenus and the Opus Sconce are provided with a five year replacement luminaire only warranty. Protec FR Fire Rated Downlights are provided with a 2 year replacement luminaire only warranty.
- ▶ Controls systems such as standalone sensors, switches, marshalling boxes and cabling are provided with a one year warranty for both parts and labour. DALI control systems are provided with a two year warranty for both parts and labour.
- ▶ LEDextra ranges are supplied with a three year parts or replacement luminaire only warranty with the exception of the IMPR RGBW, the Runway RGBW, the MOD RGBW, Tanek RGBW and the DexRing. These five ranges are supplied with our standard five year warranty during which defects within the first three years will be repaired on site and the warranty includes both parts and labour. For the final two years free of charge replacement components only will be supplied to rectify any failures but labour and other associated costs are not included.
- ▶ LEDEX ranges are supplied with a three year replacement luminaire only warranty.
- ▶ The Decorative Pendant ranges, Bebo, Dene, Nova, Fino and Stix are supplied with a 3 year replacement luminaire only warranty.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation, unsuitable environmental conditions or incorrect maintenance. It is the duty of the customer to ensure that all the fault lies with the luminaire prior to requesting replacement parts or site repairs. In the event that no defect is found with the product our costs for attending site will be recharged to the customer and credit

will not be issued against returned products. No consequential losses incurred resulting from any defect with our product will be reimbursed.

Given the nature of LED technology a small percentage of LEDs may fail during the lifetime of a luminaire, this does not cause a reduction in lumen output. As such LED luminaires are only deemed to be faulty for warranty purposes when in excess of ten percent of LEDs have failed in a single luminaire.

On site repair of products under warranty will be undertaken during normal working hours, 9am to 5pm Monday to Friday, and will require unrestricted access to luminaires. Where required Dextra will provide access equipment to carry out repairs at height, should luminaires have been installed in locations where reasonable provision for maintenance access has not been made we reserve the right to supply replacement product only. On site warranty repairs will only be undertaken on the mainland of the UK and Ireland, in all other locations replacement product only will be provided.

If you require any assistance with regards to our products please contact our Customer Services department on 01747 858100.

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
SOM L42	Somnum, 2,876llm, 25% Down 75% Up, Double Switched, Colour 84	26.3W	109

DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface
S	Switch Dimming
C	Bi-Level Dimming For Standalone Switched Sensor

Ensure dimming variants are ordered where compliance to LG2 Glare Standards are required.

EMERGENCY

Code	Description
CB240	Central Battery, 240V

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C827, C83, C85, C865, C93, C94
LSF	Low Smoke Zero Halogen

Please specify if different colour temperatures are required for Up and Downlight.

220-240V / 50-60Hz

IP30

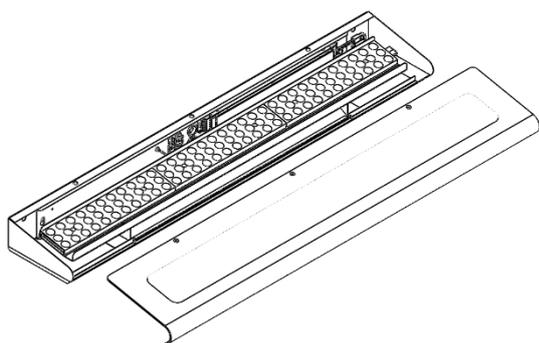
IK07



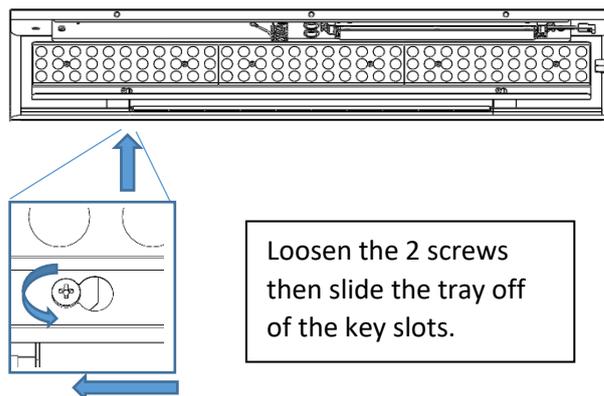
WARNING: Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested to compliance with BSEN 60598: specification for general requirements and tests. Must be installed by a suitably qualified person in accordance with all relevant legislation. Ambient operating temperature of 0°C to 25°C. If maximum operating temperature is exceeded luminaire will automatically dim / switch off. Terminal blocks are rated to 16A unless stated otherwise. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person. **LUMINAIRES WITH EMERGENCY PACK:** When supply is isolated battery output terminals may be live if battery is connected. Isolate mains and battery before servicing. Emergency luminaires require unswitched live connection taken from same phase as switched supply. When unswitched supply is connected status indicator illuminates green, when unswitched supply is disconnected indicator extinguishes and luminaire operates in emergency mode. 24 hour charge period required before undertaking full discharge test. Emergency test sheets provided should be used to record all emergency tests. Batteries should be replaced when 3 hour duration is not met. Excessive switching of permanent live may result in premature battery failure. Battery electrolyte can be harmful to eyes / open wounds, do not puncture, if electrolyte touches skin / eyes flush with water. Do not incinerate batteries.

Terminal Labelling:	
Power	
L / 1	Switched Live
E / ⚡	Earth
N	Neutral
Emergency	
L2 / 2	Unswitched Live
DA/AT3	DALI Autotest
DA/AT3	DALI Autotest
Dimming	
-/D1/DA	Analogue/DSI/DALI
+/D2/DA	Analogue/DSI/DALI
SD	Switch Dim / Corridor Function

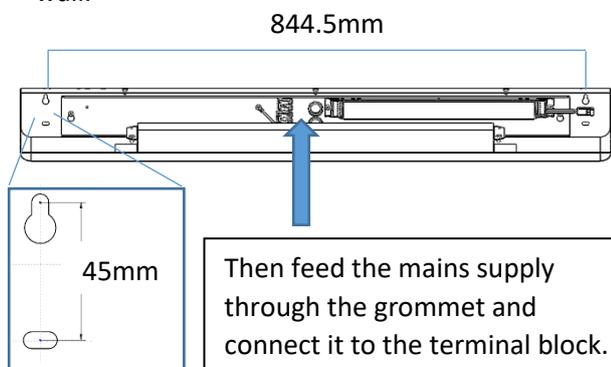
1. The luminaire will be supplied in 2 sections with securing rivets bagged separately.



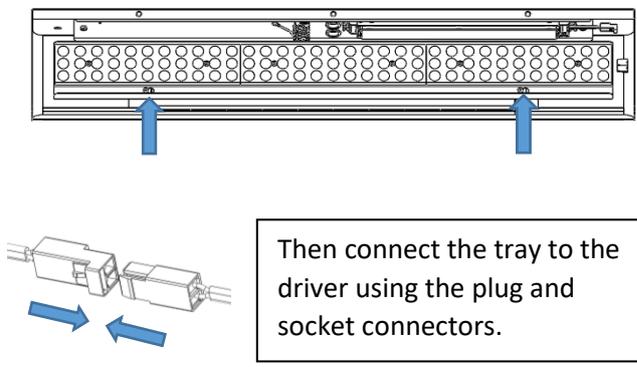
2. First remove up light gear tray from the main housing.



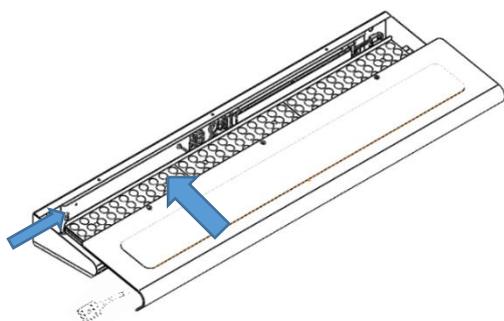
3. Screw the fitting to the wall using all 4 fixing locations. This will ensure fitting is secure to the wall.



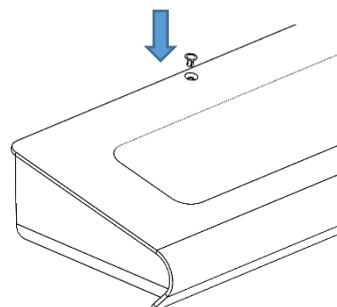
4. Once secured to the wall, re attach the up light gear tray. (opposite of step 2)



5. Connect the covers **EARTH LEAD** to the housing then slide the top cover onto the housing.



6. Secure the top cover to the housing using the 3 push rivets supplied. Installation is now complete.



Somnum Installation

Maintenance

- 1 Disconnect luminaire before undertaking any maintenance or cleaning.
- 2 Cleaning should be undertaken on external parts of the luminaire only using a slight damp lint free cloth.
- 3 Using a flat head screwdriver to remove plastic rivets from frame.
- 4 To remove LED circuit use a pan pozi screwdriver to remove tray and lens.
- 5 To remove gear tray and components use a pan pozi screwdriver.
- 6 Please contact Dextra for assistance with spare component supply.

