

# PRODUCT SPECIFICATION

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## MOD CAELUS SKYLIGHT



INTRODUCTION

In health care and educational establishments decorative lighting effects can have a significant impact on the well being of patients and pupils. The Mod Caelus range is available with a range of graphic designs including clouds, blossom and trees allowing the simulation of skylights and other decorative features that can be especially effective in large buildings where it may not be possible to incorporate windows in internal rooms. The MOD Caelus Skylight includes an upstand frame to recess the luminaire into the void giving an authentic skylight appearance. Images can be divided over multiple luminaires to create larger panoramic images with greater visual impact.

The Mod Caelus Skylight is available in 600x600 sizes, a wide range of lumen outputs, dimming options and is also compatible with a range of wireless control systems. These provide localised grouping and control as well as allowing centralised reporting of energy consumption and failures. IP44 options are also available where a greater level of protection is required.

UK CA	CE	IP20	TM21: L90>60K HOURS / L80>90K HOURS	TP(a)
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APPLICATION

- Education
- Healthcare / Social Housing

SPECIFICATION

### CONSTRUCTION

- Housing: Extruded aluminium
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Diffuser: Combined 2mm high transmission opal polycarbonate TP(a) rated and 2mm microprism anti glare PMMA
- IP20
- Supplied with frame to recess luminaire into the void.

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### PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>90K Hours

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### 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.
- 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.

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### EMERGENCY

- Not available with emergency

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### CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional integral Reacta-Link for integration with Reacta-Link wireless installations
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations

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**INSTALLATION**

- Suitable for lay-in installation in exposed T ceilings

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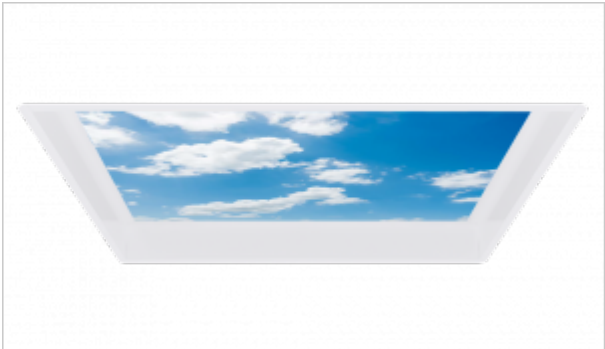
**VARIATIONS**

- Available with a wide range of colour temperatures and renderings
- Available in a range of lumen outputs
- Available with a range of images including clouds, trees and blossom, custom images are available on request.

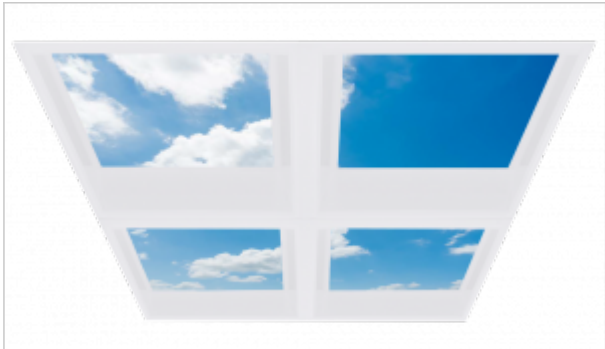
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IMAGES

**PRODUCT IMAGES**



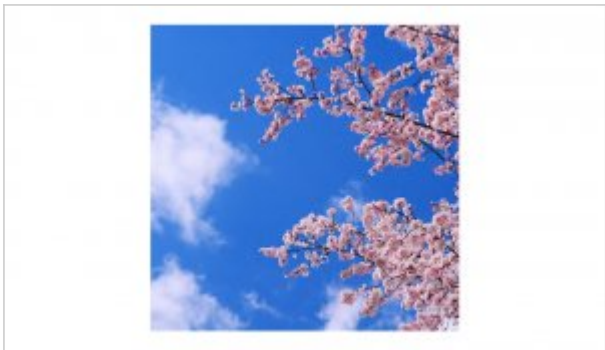
Mod Caelus Skylight



Mod Caelus Skylight Array



MOD Caelus Cloud

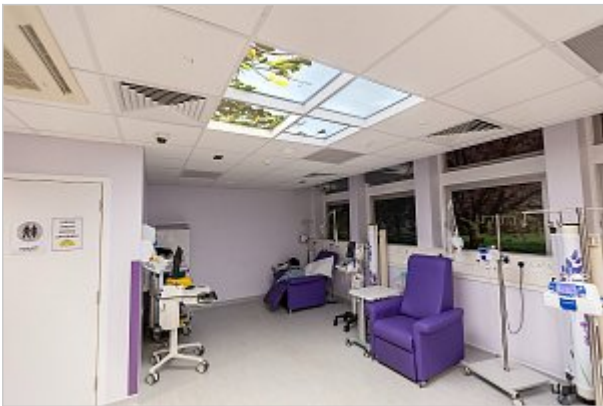


MOD Caelus Blossom

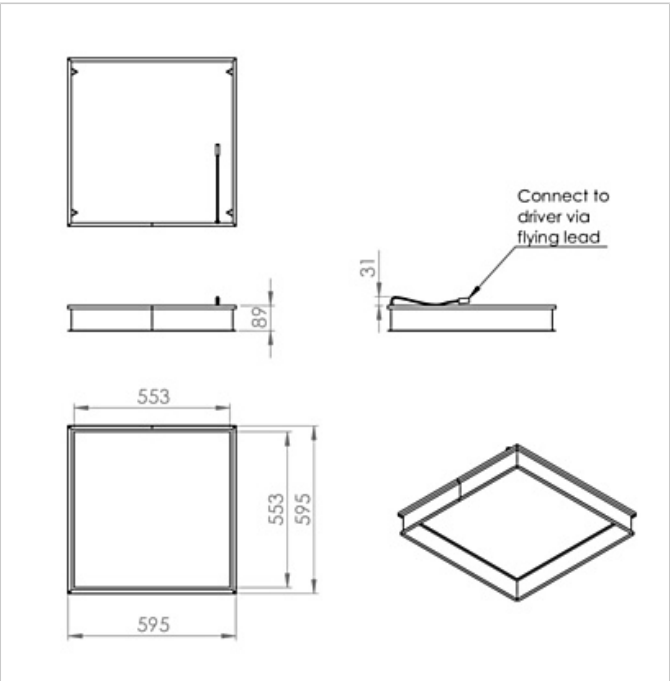


MOD Caelus Trees

PROJECT IMAGES



TECHNICAL



## Mod Caelus Skylight

## 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 AME LED, EXI LED, EXI3, EXI Track, HBE LED, HBE3, OAT2 LED, OEZ2 and Twinspot 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.**

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## ORDER CODES

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### LUMINAIRE

## PRODUCT SPECIFICATION

Code	Description	Power
MCASR L30 CL1205	Mod Caelus Skylight, 600x600, Lay-In, 1,727Ilm, Cloud Image, Colour 84	25.6W
MCASR L35 CL1205	Mod Caelus Skylight, 600x600, Lay-In, 2,014Ilm, Cloud Image, Colour 84	29.5W
MCASR L40 CL1205	Mod Caelus Skylight, 600x600, Lay-In, 2,303Ilm, Cloud Image, Colour 84	36.3W
MCASR L35 2X2 CL12072	Mod Caelus Skylight, 600x600, Lay-In, 2,014Ilm, 4X 600x600 luminaires Cloud, Colour 84	29.5W
MCASR L30 TR12051	Mod Caelus Skylight, 600x600, Lay-In, 1,727Ilm, Tree Image, Colour 84	25.6W
MCASR L35 TR12051	Mod Caelus Skylight, 600x600, Lay-In, 2,014Ilm, Tree Image, Colour 84	29.5W
MCASR L40 TR12051	Mod Caelus Skylight, 600x600, Lay-In, 2,303Ilm, Tree Image, Colour 84	36.3W
MCASR L35 2X2 TR12074	Mod Caelus Skylight, 600x600, Lay-In, 2,014Ilm, 4X 600x600 luminaires Tree, Colour 84	29.5W
MCASR L30 BM12071	Mod Caelus Skylight, 600x600, Lay-In, 1,727Ilm, Blossom Image, Colour 84	25.6W
MCASR L35 BM 12071	Mod Caelus Skylight, 600x600, Lay-In, 2,014Ilm, Blossom Image, Colour 84	29.5W
MCASR L40 BM 12071	Mod Caelus Skylight, 600x600, Lay-In, 2,303Ilm, Blossom Image, Colour 84	36.3W
MCASR L35 2X2 BM12041	Mod Caelus Skylight, 600x600, Lay-In, 2,014Ilm, 4X 600x600 luminaires Blossom, Colour 84	29.5W

Custom images and other panorama sizes are available on request.

### DIMMING

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

### CONTROL

Code	Description
RLI	Reacta-Link, Wireless Enabled Luminaire
RC	Reacta-Control, Wireless Enabled Luminaire



# MOD Caelus Skylight Installation

220-240V / 50-60Hz

IP20

IK03

## Terminal Labelling:

### Power

L1

E

N

Emergency

L2

DA/AT3

DA/AT3

Dimming

-/D1/DA

+/D2/DA

L3

Switched Live

Earth

Neutral

Unswitched Live

DALI Autotest

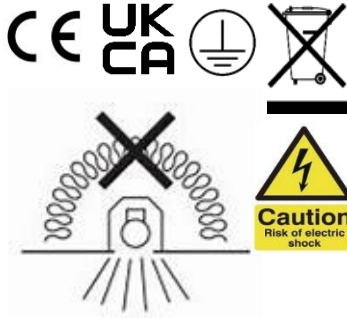
DALI Autotest

Analogue/DSI/DALI

Analogue/DSI/DALI

Switch Dim / Corridor

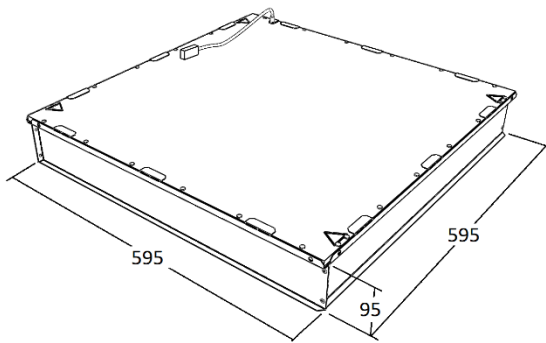
Function



**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.

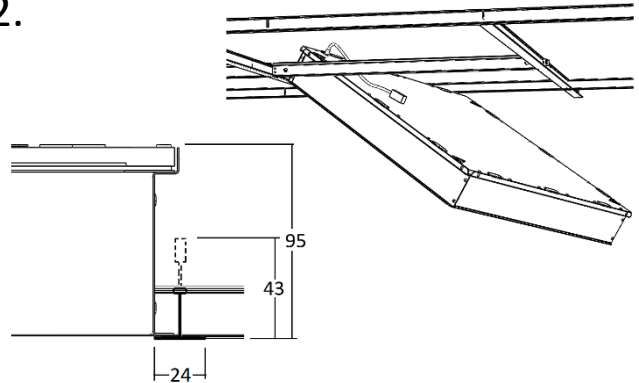
**LUMINAIRES WITH EMERGENCY PACK:** When supply is isolated battery output terminals may be live if battery is connected. Isolate mains and battery before servicing. Emergency luminaires require unswitched live connection taken from same phase as switched supply. When unswitched supply is connected status 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.

1.



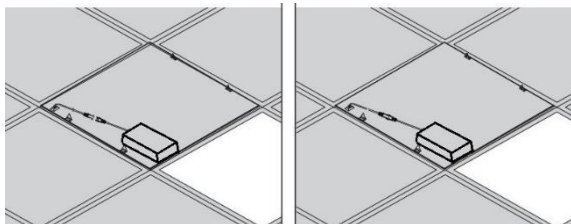
A minimum void of 300mm above suspended ceiling is required to install this luminaire.

2.



Remove ceiling tile(s), lift and rest fitting on T grid

3.

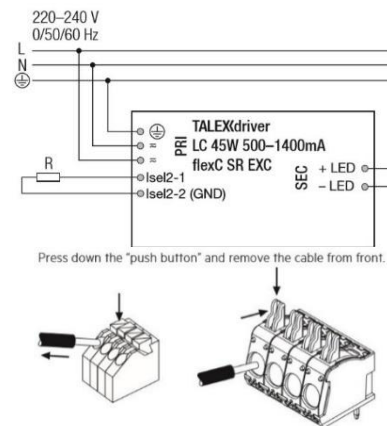


Internal key

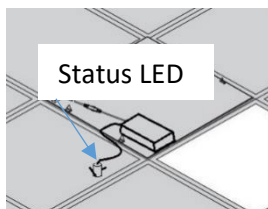
Connector between MODE and driver is keyed internally and has external arrow identification – ENSURE THIS IS CONNECTED CORRECTLY!!

4.

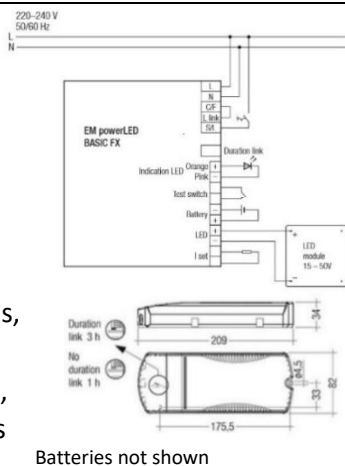
## Standard version electrical connection



5.



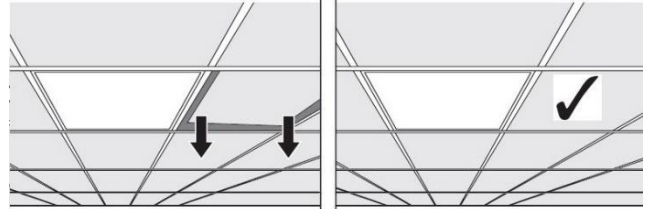
Status LED



For emergency versions, status LED must be located in adjacent tile, as close to luminaire as possible

Batteries not shown

6.



Replace ceiling tile once installation and wiring is completed – test for operation!

## Maintenance

- ① Disconnect luminaire before undertaking any maintenance or cleaning.
- ② Cleaning should be undertaken on external parts of the luminaire only with a slightly damp lint free cloth.
- ③ Luminaire is a non-serviceable product. Disconnect driver from luminaire to replace.
- ④ Please contact Dextra for assistance with spare component supply.

