PRODUCT SPECIFICATION

PLANUM

Dextra
GROUP PLC

MADE IN BRITAIN ®

INTRODUCTION

The Planum provides a slim line aesthetically attractive, wall mounted, bi-directional luminaire ideally suited for reception areas, corridors, stairways and applications where installation of ceiling mounted luminaires is impractical. Offering a 50% up 50% down light distribution with lensed optics for precise beam control, the Planum provides a highly efficient solution in three housing lengths that can be tailored to suit your installation. The Planum is also available in uplight and downlight only variants where required.

For ease of installation the Planum is supplied with a two part powder painted steel housing with a separate chassis which can quickly and easily be installed prior to attachment of the main housing. The Planum is supplied in white as standard but can be offered in a range of colours on request and is also available with all common dimming variants and integral sensor options to maximise energy savings. We offer a range of wireless control systems providing localised grouping and control as well as comprehensive wireless solutions allowing both standard and emergency luminaires to be centrally monitored.

UK CA   CE IP20 TM21: L90>60K HOURS / L80>100K HOURS 3 STEP MACADAM ELLIPSE

APPLICATION

- Canteen
- Commercial / Offices
- Corridor
- Education
- Healthcare / Social Housing
- Hotel / Leisure
- Office
- Retail

SPECIFICATION

CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Finish: Polyester powder painted RAL 9016 textura matt white
- Finish: Polyester powder painted RAL 9006 textura matt grey
- Finish: Polyester powder painted RAL 9005 textura matt black
- Diffuser: Injection moulded clear polycarbonate
- IP20

PERFORMANCE

- Part L2 compliant
- BSEN 12464-1:2011 3000 Candela 65° and UGR 19 compliance
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>100K Hours
- Bi-Directional 50% up 50% down
- Up to 155 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.
- 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

❯ Not available with emergency

CONTROL

❯ Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming

❯ Optional Integral Reacta-Air wireless presence and daylight regulations sensor

❯ Optional integral Reacta-Link for integration with Reacta-Link wireless installations

❯ Optional integral Reacta-Control for integration with Reacta-Control wireless installations

INSTALLATION

❯ Suitable for surface installation

VARIATIONS

❯ Available with a wide range of colour temperatures and renderings

❯ Available in a range of housing sizes and lumen outputs

❯ Available in white, black or grey finishes

IMAGES

PRODUCT IMAGES

Planum

Planum Reacta-Air

PROJECT IMAGES

Valley Innovation Centre using the Planum

Valley Innovation Centre using the Planum

Valley Innovation Centre using the Planum

Perthcely Primary using the Planum

TECHNICAL

CABLE ENTRY

100

39

507

Planum 500mm

CABLE ENTRY

100

39

997

Planum 1000mm

CABLE ENTRY

100

39

1477

Planum 1500mm
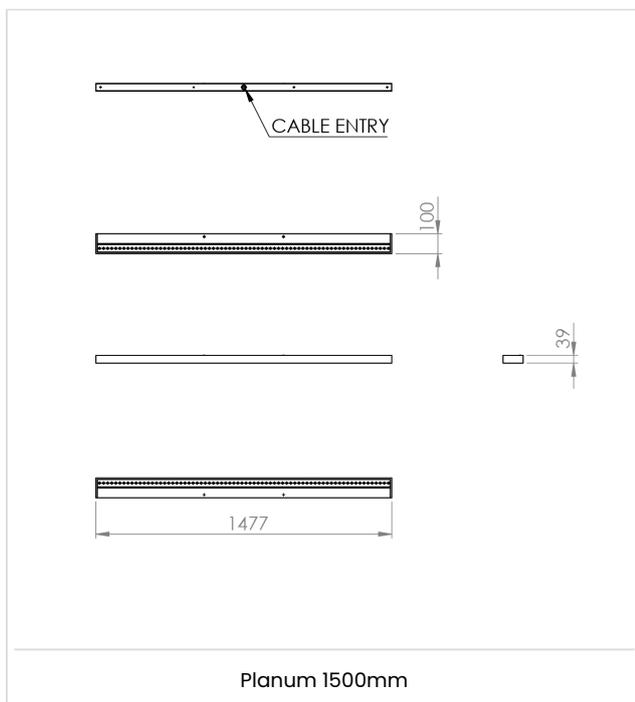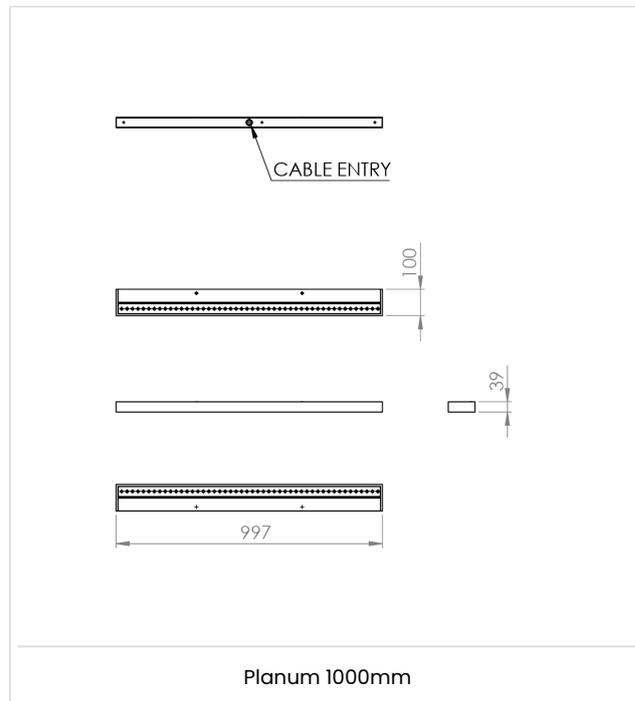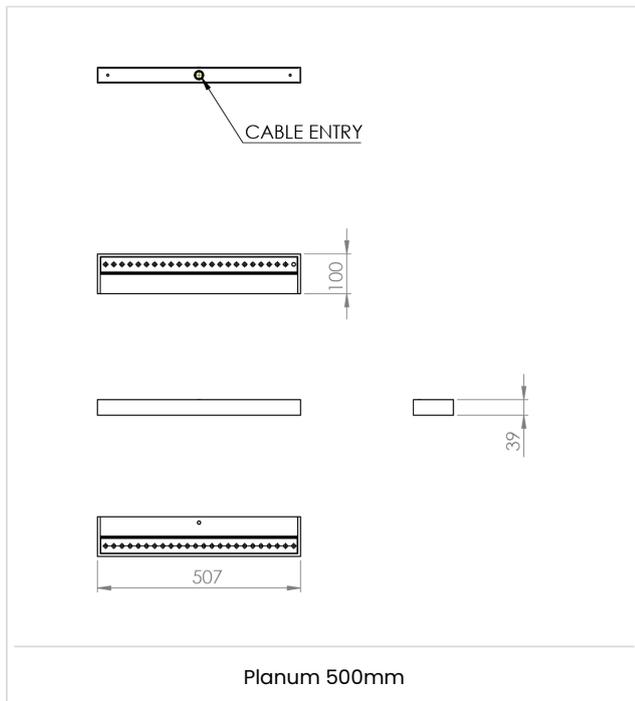
WARRANTY

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 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 RBGW, 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
PLM L24	Planum Bi-Directional, 500mm, 2,122llm, Colour 84.	18.0W	118
PLM L30	Planum Bi-Directional, 500mm, 2,535llm, Colour 84.	22.1W	115
PLM L48	Planum Bi-Directional, 1000mm, 3,894llm, Colour 84.	31.5W	124
PLM L60	Planum Bi-Directional, 1000mm, 4,828llm, Colour 84.	31.9W	151
PLM L72	Planum Bi-Directional, 1500mm, 5,802llm, Colour 84.	37.3W	155
PLM L96	Planum Bi-Directional, 1500mm, 7,744llm, Colour 84.	51.1W	151
PLMU L12	Planum Uplight, 500mm, 1,061llm, Colour 84	8.6W	123
PLMU L15	Planum Uplight, 500mm, 1,268llm, Colour 84.	10.5W	121
PLMU L24	Planum Uplight, 1000mm, 1,948llm, Colour 84	15.3W	127
PLMU L30	Planum Uplight, 1000mm, 2,414llm, Colour 84	19.1W	126
PLMU L36	Planum Uplight, 1500mm, 2,901llm, Colour 84	22.0W	132
PLMU L48	Planum Uplight, 1500mm, 3,870llm, Colour 84.	26.8W	144
PLMD L12	Planum Downlight, 500mm, 1,061llm, Colour 84.	8.6W	123
PLMD L15	Planum Downlight, 500mm, 1,268llm, Colour 84.	10.4W	122
PLMD L24	Planum Downlight, 1000mm, 1,948llm, Colour 84.	14.4W	135
PLMD L30	Planum Downlight, 1000mm, 2,414llm, Colour 84	19.1W	126
PLMD L36	Planum Downlight, 1500mm, 2,901llm, Colour 84.	19.9W	146
PLMD L48	Planum Downlight, 1500mm, 3,870llm, Colour 84.	28.5W	136

DIMMING

Code	Description
A	DALI Digital Addressable Lighting Interface
S	Switch Dimming
D	DSI Digital Dimming
H	HFR Analogue 1-10v
C	Bi-Level Dimming For Standalone Switched Sensor

CONTROL

Code	Description
D44	DexNET Sensor, Wireless, Presence & Daylight, 2.5-5M
DN	DexNET Node, Wireless Node only.
RAS	Reacta-Air Bluetooth, Wireless, Presence & Daylight, 2.5-3M
RLS	Reacta-Link Wireless, Presence & Daylight, 2.5M-5M

RAS sensors can not be offered in PLM and PLMD L12 and L15 variants

MISCELLANEOUS

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

Planum Installation

Dextra GROUP PLC

220-240V / 50-60Hz
IP30

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

Caution Risk of electric shock

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 itself 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.
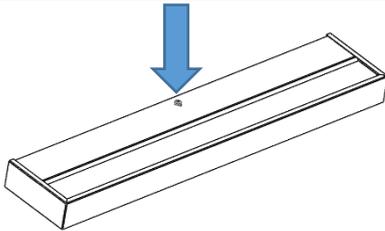
Fitting will be supplied complete. You will need to remove the wall mount bracket from the back of fitting in order to mount it to the wall. Remove the screw on the back edge of the fitting. This will release the wall mount bracket.
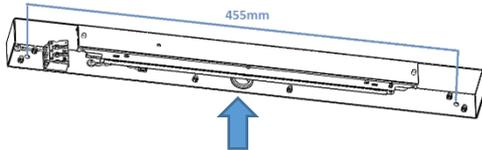
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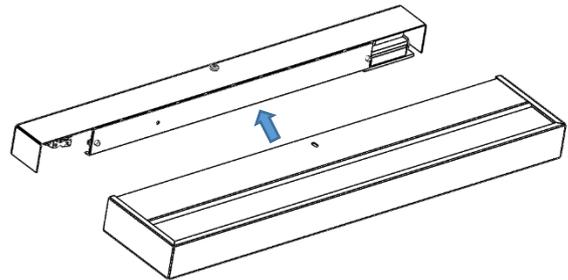
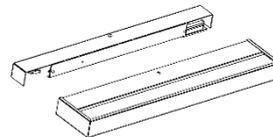Slide the wall mount bracket out from the back of the fitting.

3.

Screw the wall mount bracket to the wall using the fixing points located between the bumper feet.
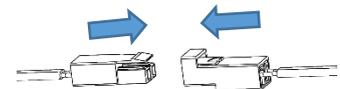

455mm

Then feed cable though the central hole and make the electrical connection to the terminal block.
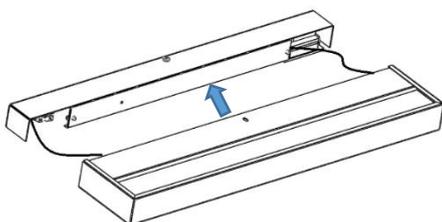
4.

Offer the fitting back up to the wall mount bracket.

Connect the mount bracket to the fitting with the plug and socket, then earth cable to the brass tag.

5.

Once connections have been made, slide the fitting onto the wall mount bracket. **Refer to step 6** for sensor version **Refer to step 7** for emergency version.
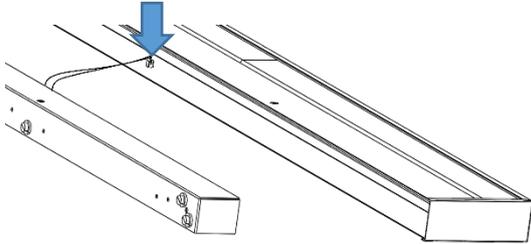

6.

Sensor Version (Planum 500) – ensure sensor plug and socket cable is positioned in the channel between the driver and back of the bracket before sliding fully onto bracket.
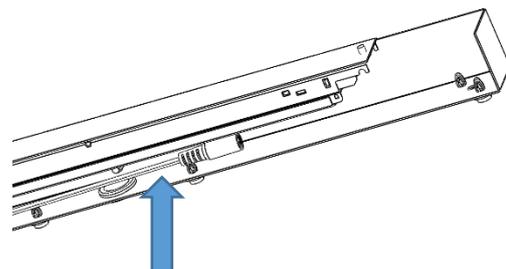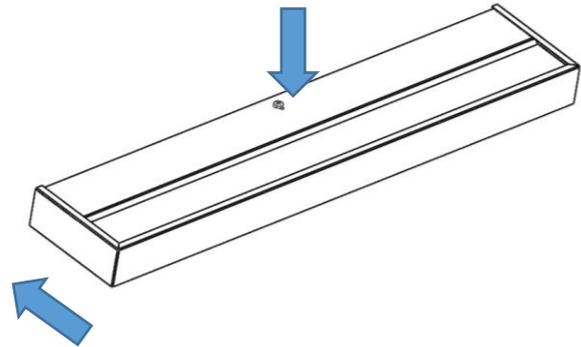
Planum Installation

7. **Emergency Version (Planum 1500)** – Before sliding the fitting onto bracket. Insert the emergency Indicator LED into the grommet, push down until it locks in place.
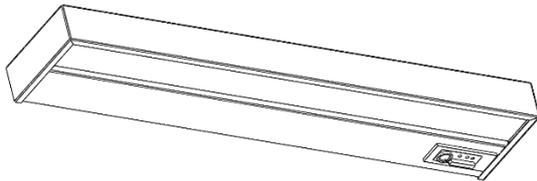

8.

Ensure fitting is pushed flush to the wall before the fixing screw is tightened.

9.

Installation is now complete.

10.

Maintenance

1. Disconnect luminaire before undertaking any maintenance or cleaning.
2. Cleaning should be undertaken on external parts of the luminaire only using a slightly damp lint free cloth.
3. Using a pan pozi screwdriver remove x1 screw from fitting then slide out wall mount bracket to reveal driver.
4. LED circuits are non-maintainable.
5. Use a pan pozi screwdriver to remove driver.
6. Please contact Dextra for assistance with spare component supply.

Driver