



# PRODUCT SPECIFICATION

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IMPS



## INTRODUCTION

The Impervia Surface is a robust IP65 luminaire for use in applications where the luminaire must be protected from ingress of dirt, dust and water. The steel housing is rated to IP65 and has an ABS injection moulded frame and polycarbonate diffuser providing a rating of IK10. The Impervia Surface is available in three housing sizes, 600X600, 1200X600 and 1200X300 all of which can be supplied in a range of lumen outputs, dimming variants and with integral emergency in standard, self test and autotest versions.

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	IP65	TM21: L90>60K HOURS / L80>90K HOURS	3 STEP MACADAM ELLIPSE
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## IMPS - APPLICATION

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- Education
- Food / Clean Area
- Healthcare / Social Housing
- Industrial / Manufacturing
- Kitchen

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## IMPS - SPECIFICATION

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### CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Housing: Injection moulded ABS
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Diffuser: 2mm high transmission opal polycarbonate TP(a) rated
- IK10
- IP65

### PERFORMANCE

- Part L2 compliant
- 3SDCM Three step Macadams ellipse
- TM21: L90>60K Hours / L80>90K Hours
- Up to 142 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

- Available with optional standard, self test and autotest integral emergency with lithium batteries for extended warranty and lifetime.
- Optional Reacta-Link wireless emergency for automated centralised reporting.
- Optional Reacta-Control wireless emergency for automated centralised reporting.
- Optional central battery changeover relay

## **CONTROL**

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional White tunable
- 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
- IP65 for internal use only

## **VARIATIONS**

- Available with a wide range of colour temperatures and renderings
- Available in a range of housing sizes and lumen outputs

## IMPS - IMAGES



IMPS 600x600



IMPS Microprism



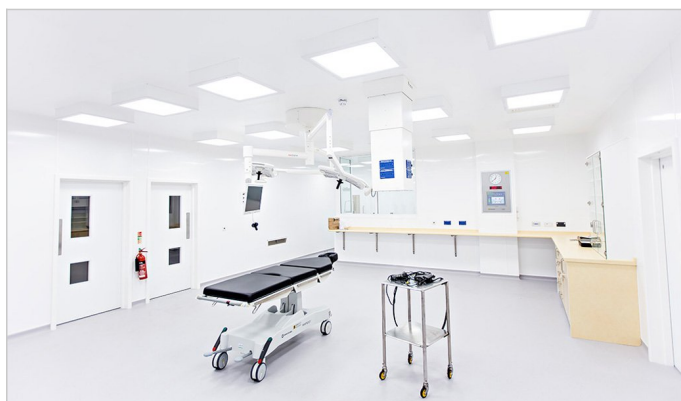
IMPS 1200x300



IMPS 1200x600



The IMPS being used in an observation room

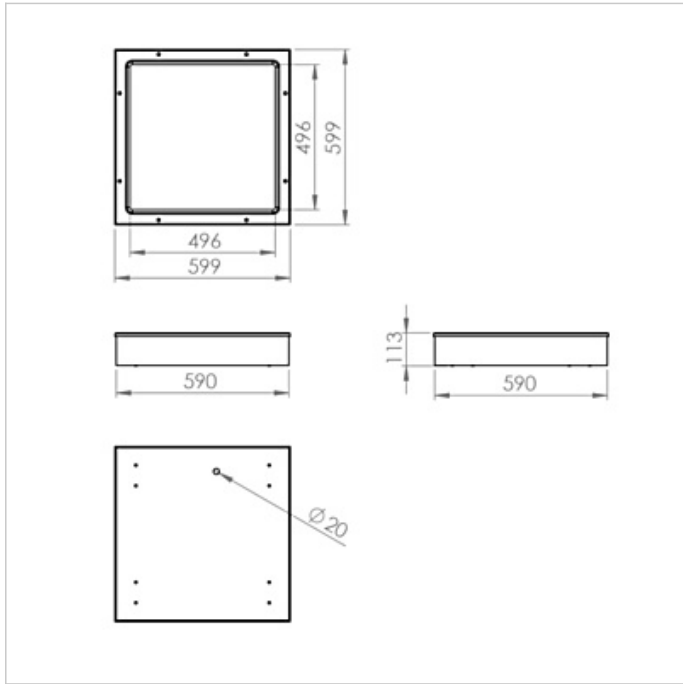


IMPS lighting the minor surgery unit at ACES Clinic

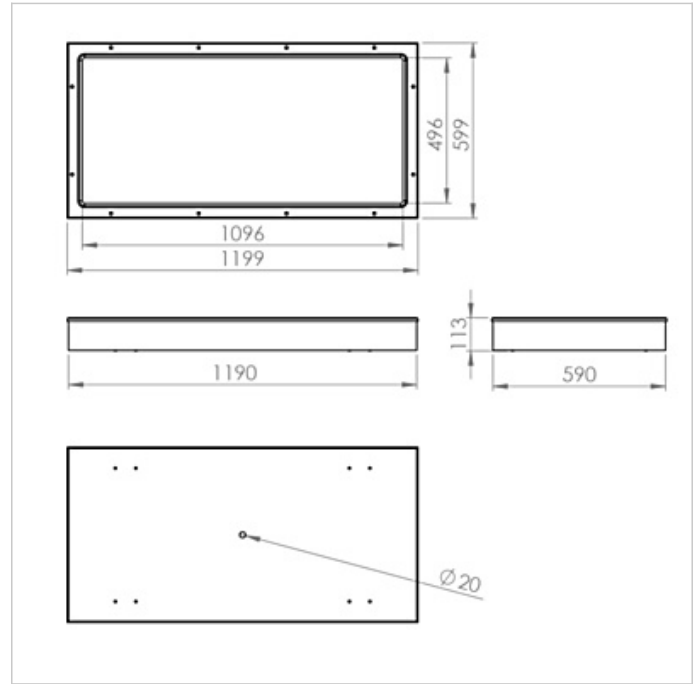


IMPS lighting the minor surgery unit at ACES Clinic

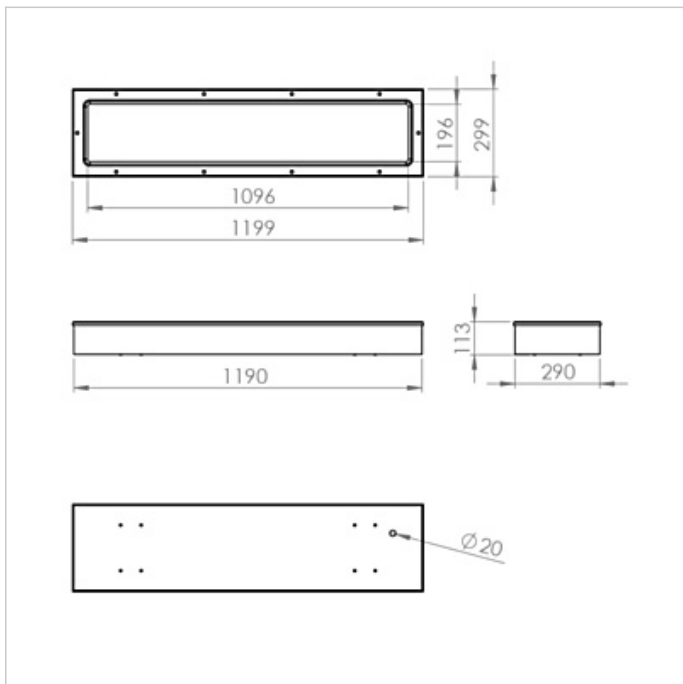
## IMPS - TECHNICAL



IMPS 600x600



IMPS 1200x600



IMPS 1200x300

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## IMPS - WARRANTY

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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, EXI2 LED, EXI Track, HBE LED, HBE2 LED, OAT2 LED, OEZ 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 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.**



## IMPS - ORDER CODES

### LUMINAIRE CODES

#### Opal

Code	Description	Power	Llm/W
IMPS65 L35	IMPS, Surface, 600x600, 2,474llm, IP65, Opal, Colour 84	20.2W	122
IMPS65 L45	IMPS, Surface, 600x600, 3,180llm, IP65, Opal, Colour 84	25.8W	123
IMPS65 L55	IMPS, Surface, 600x600, 3,886llm, IP65, Opal, Colour 84	32.9W	118
IMPS65 L68	IMPS, Surface, 600x600, 4,757llm, IP65, Opal, Colour 84	40.8W	117
IMPS65 L76	IMPS, Surface, 600x600, 5,316llm, IP65, Opal, Colour 84	44.9W	118
IMPS65 123 L35	IMPS, Surface, 1200x300, 2,236llm, IP65, Opal, Colour 84	19.8W	113
IMPS65 123 L45	IMPS, Surface, 1200x300, 2,868llm, IP65, Opal, Colour 84	24.2W	119
IMPS65 123 L55	IMPS, Surface, 1200x300, 3,504llm, IP65, Opal, Colour 84	30.1W	116
IMPS65 123 L68	IMPS, Surface, 1200x300, 3,917llm, IP65, Opal, Colour 84	36.7W	107
IMPS65 123 L76	IMPS, Surface, 1200x300, 4,840llm, IP65, Opal, Colour 84	41.0W	118
IMPS65 126 L70	IMPS, Surface, 1200x600, 5,364llm, IP65, Opal, Colour 84	38.1W	141
IMPS65 126 L90	IMPS, Surface, 1200x600, 6,940llm, IP65, Opal, Colour 84	49.0W	142
IMPS65 126 L136	IMPS, Surface, 1200x600, 10,392llm, IP65, Opal, Colour 84	76.8W	135
IMPS65 126 L152	IMPS, Surface, 1200x600, 11,600llm, IP65, Opal, Colour 84	86.9W	133

#### Microprism

Code	Description	Power	Llm/W
IMPS65 L35 MP	IMPS, Surface, 600x600, 2,125llm, IP65, Microprism, Colour 84	20.2W	105
IMPS65 L45 MP	IMPS, Surface, 600x600, 2,732llm, IP65, Microprism, Colour 84	25.8W	106
IMPS65 L55 MP	IMPS, Surface, 600x600, 3,339llm, IP65, Microprism, Colour 84	32.9W	101
IMPS65 L68 MP	IMPS, Surface, 600x600, 4,128llm, IP65, Microprism, Colour 84	40.8W	101
IMPS65 L76 MP	IMPS, Surface, 600x600, 4,613llm, IP65, Microprism, Colour 84	44.9W	108
IMPS65 123 L35 MP	IMPS, Surface, 1200x300, 2,016llm, IP65, Microprism, Colour 84	19.8W	102
IMPS65 123 L45 MP	IMPS, Surface, 1200x300, 2,592llm, IP65, Microprism, Colour 84	24.2W	107
IMPS65 123 L55 MP	IMPS, Surface, 1200x300, 3,168llm, IP65, Microprism, Colour 84	30.1W	105
IMPS65 123 L68 MP	IMPS, Surface, 1200x300, 3,917llm, IP65, Microprism, Colour 84	36.7W	107
IMPS65 123 L76 MP	IMPS, Surface, 1200x300, 4,378llm, IP65, Microprism, Colour 84	41.0W	107
IMPS65 126 L70 MP	IMPS, Surface, 1200x600, 4,634llm, IP65, Microprism, Colour 84	38.1W	122
IMPS65 126 L90 MP	IMPS, Surface, 1200x600, 5,958llm, IP65, Microprism, Colour 84	49.0W	122
IMPS65 126 L136 MP	IMPS, Surface, 1200x600, 9,009llm, IP65, Microprism, Colour 84	76.8W	117
IMPS65 126 L152 MP	IMPS, Surface, 1200x600, 10,062llm, IP65, Microprism, Colour 84	86.9W	115

Please ensure that the ceiling is adequately strengthened to support the IMPS weight.

### 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
WT	White Tunable (Lumen Outputs Vary from Standard)

[Please click here for full details on our white tunable offer.](#)

### CONTROL

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

[Please click here for full details on our wireless controls.](#)

### EMERGENCY

Code	Description
LE3	Lithium Standard Emergency 3 Hour
LS3	Lithium Selftest Emergency 3 Hour
LA3	Lithium Autotest Emergency 3 Hour
LSTR	Lithium Reacta-Link Emergency 3 Hour

LA3RC	Lithium Reacta-Control Emergency 3 Hour
CB	Central Battery, Please Specify 110V or 230V when Ordering

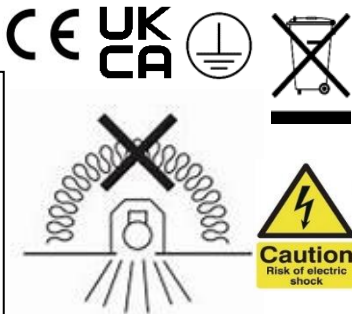
MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C827, C83, C84, C85, C865, C93, C94
TRS	Tamper Resistant Screws
TRS INSTALL KIT	Tamper Resistant Compatible Screwdriver Heads
LSF	Low Smoke Zero Halogen

220-240V / 50-60Hz  
IP65

**Terminal Labelling:**

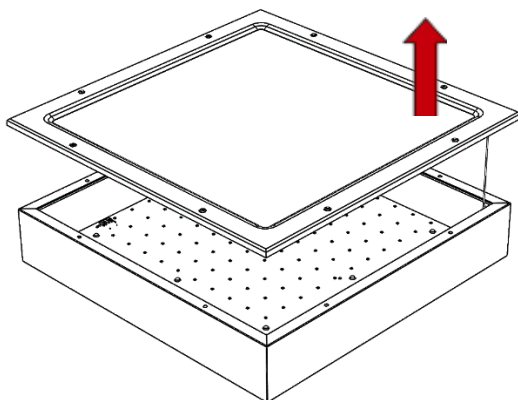
<b>Power</b>	
L1	Switched Live
E	Earth
N	Neutral
<b>Emergency</b>	
L2	Unswitched Live
DA/AT3	DALI Autotest
DA/AT3	DALI Autotest
<b>Dimming</b>	
-/D1/DA	Analogue/DSI/DALI
+/D2/DA	Analogue/DSI/DALI
L3	Switch Dim /
	Corridor Function



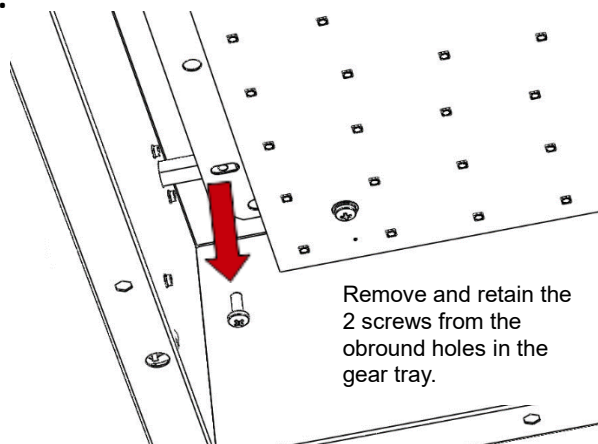
**WARNING:** Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested 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. Remove diffuser by loosening each of the 8 retaining screws.

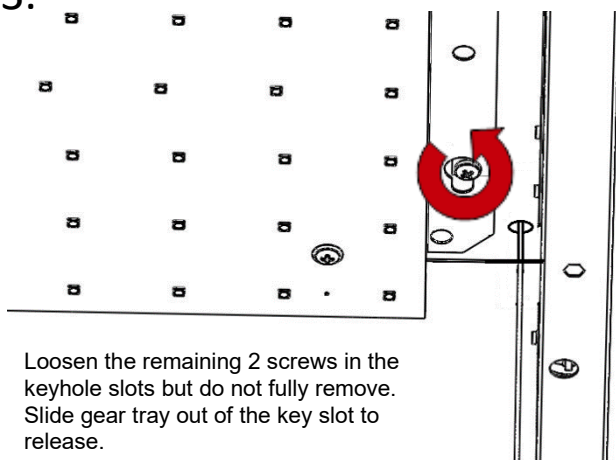


- 2.



Remove and retain the 2 screws from the obround holes in the gear tray.

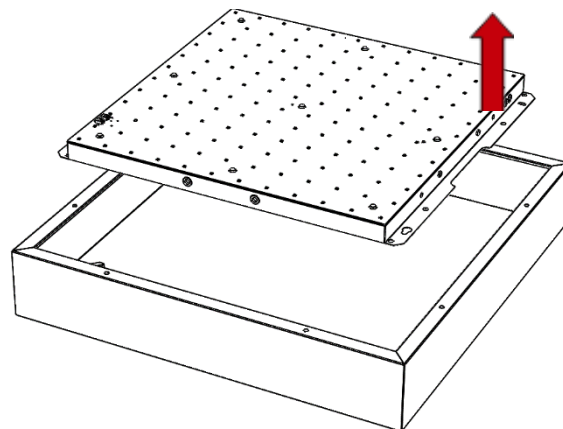
- 3.



Loosen the remaining 2 screws in the keyhole slots but do not fully remove. Slide gear tray out of the key slot to release.

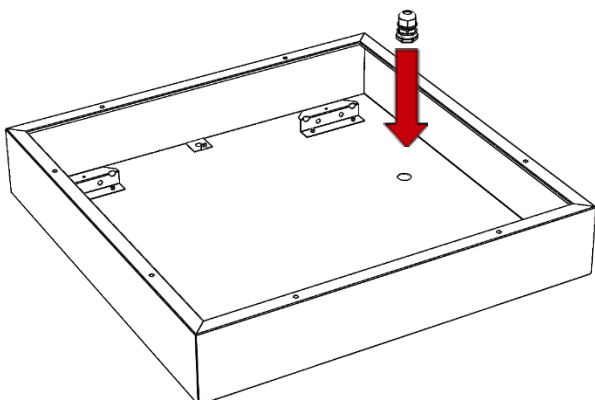
- 4.

Remove the gear tray and store in a safe place



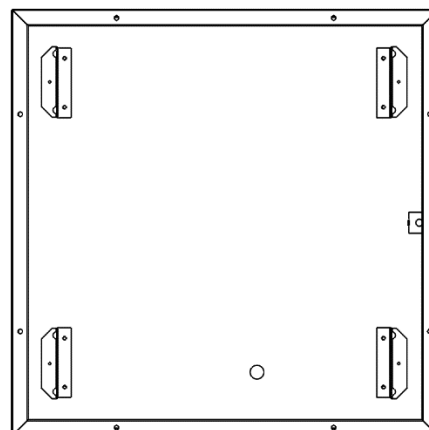
- 5.

Fit the IP68 cable gland to the inside of the fitting using the hole provided and tighten fully.



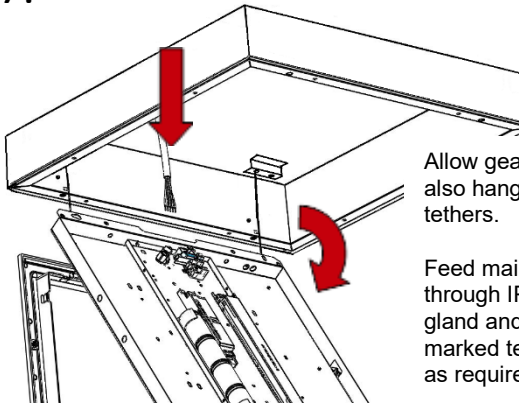
- 6.

Drill four suitably placed holes in the rear of the housing and fix to the intended surface.



## IMPS Installation

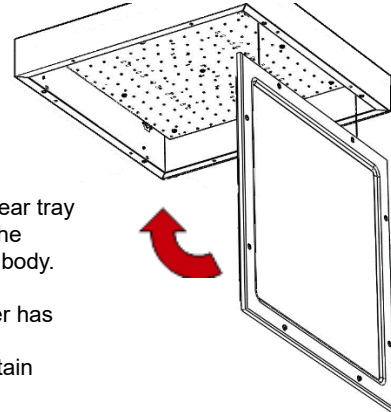
7.



Allow gear tray to also hang on its tethers.

Feed mains cable through IP68 gland and wire into marked terminals as required.

8.



Replace the gear tray and reattach the diffuser to the body.

Ensure diffuser has been securely attached to retain IP65 rating.

### 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 To remove frame use a pan pozi screwdriver.

