

# PRODUCT SPECIFICATION

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IMPR RGBW



## INTRODUCTION

The Impervia RGBW provides a colour changing solution where protection from ingress of dirt, dust and water is needed. With a steel housing and ABS injection moulded frame with thermally cured liquid poured gaskets the Impervia RGBW offers both IP65 rating and IK10 impact protection. When installed the double gasketed frame also forms an IP65 seal to the ceiling surface. The polycarbonate diffuser ensures both high transmission and uniform lit appearance whilst offering TP(a) rating ensure suitability for use in a wide range of applications.

With an individual DALI driver per channel the Impervia RGBW can quickly and easily be adjusted to any colour requirement and is suitable for pull up installation in exposed T and concealed grid ceilings.

UK  
CA

CE

IP65

IK10

TP(a)

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## IMPR RGBW - APPLICATION

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- Education
- Food / Clean Area
- Healthcare / Social Housing

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## IMPR RGBW - SPECIFICATION

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### CONSTRUCTION

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

### 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 integral Reacta-Link for integration with Reacta-Link wireless installations
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations
- RGBW Colour Changing

### INSTALLATION

- Suitable for lay-in installation in exposed T ceilings
- Suitable for pull-up installation in concealed grid ceilings
- Suitable for plasterboard installation

## VARIATIONS

- Available in a range of housing sizes and lumen outputs

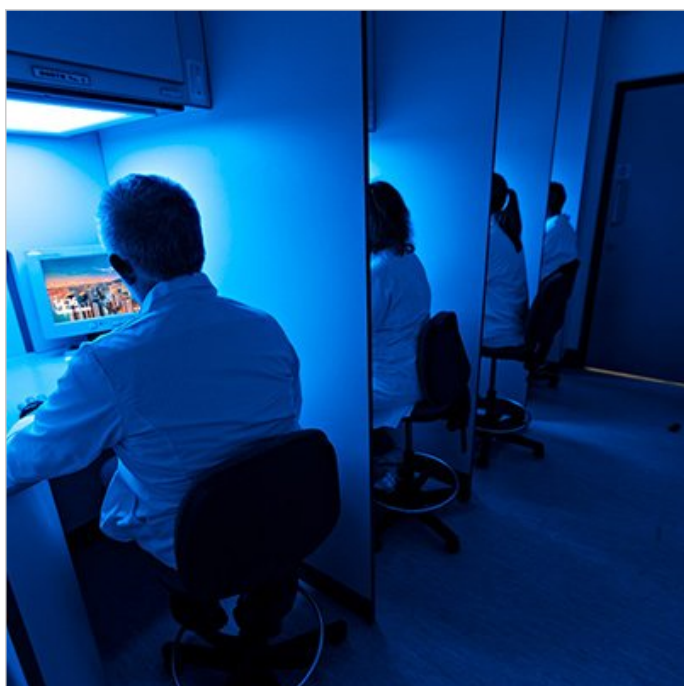
## PERFORMANCE

- Circuit Wattage: Red 20.87W, Green 30.69W, Blue 28.61W
- Luminaire Lumens: Red 771lm, Green 1,540lm, Blue 764lm

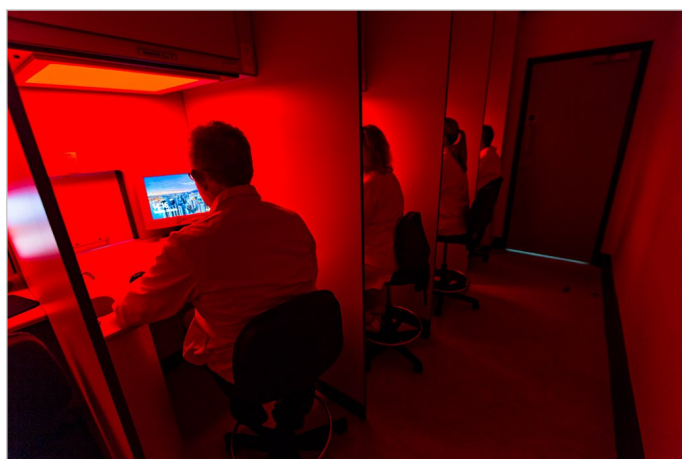
## IMPR RGBW - IMAGES



IMPR RGBW



campden400x400



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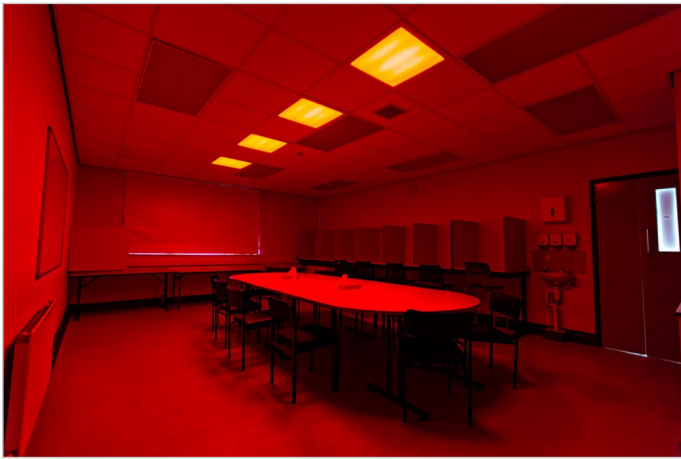


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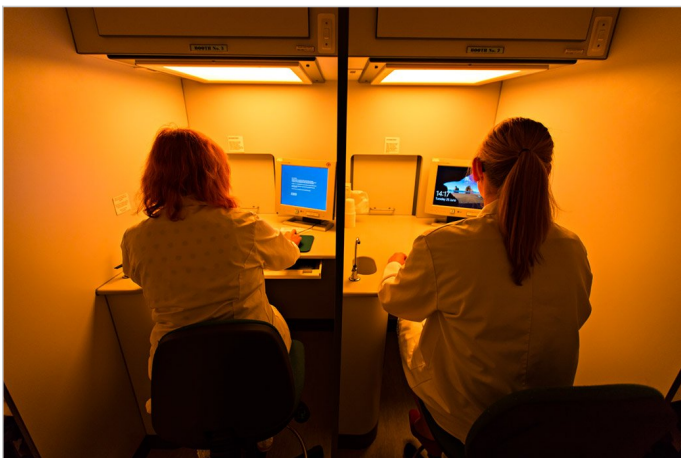
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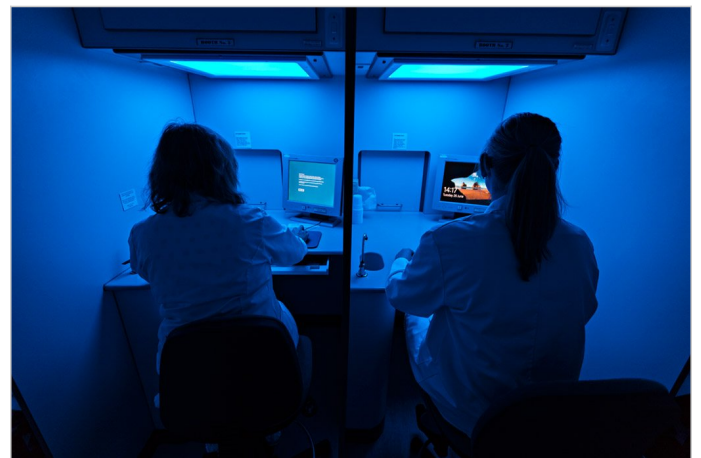
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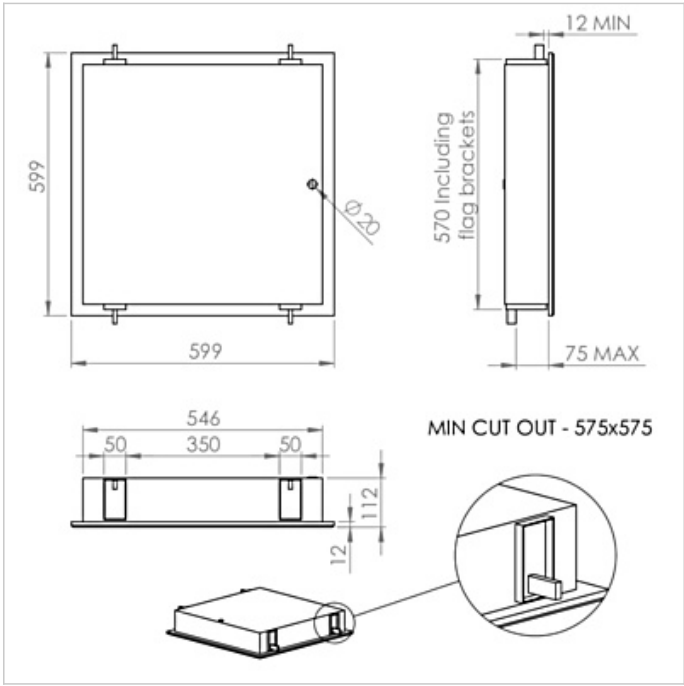


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# IMPR RGBW - TECHNICAL



IMPR RGBW



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## IMPR RGBW – 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.**

## IMPR RGBW - ORDER CODES

### LUMINAIRE CODES

Code	Description	Power (C84)	Luminous Flux
IMPR65 RGBW L45	IMPR, 600x600, 3021lm, IP65, RGBW / Colour 84	28.0W	771lm Red, 1,540lm Green, 764lm Blue, 6,096lm RGB White
A surface mounted option is available on request. Please contact LEDextra for information.			

### CONTROL

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

### MISCELLANEOUS

Code	Description
LSF	Low Smoke Zero Halogen
SP	Spring T Ceiling Kit, 600x600 Variants Only.
C83 and C865 options available on request.	
Please note RGB and W channels must be operated separately.	

220-240V / 50-60Hz

IP65

**Terminal Labelling:**

**Power**

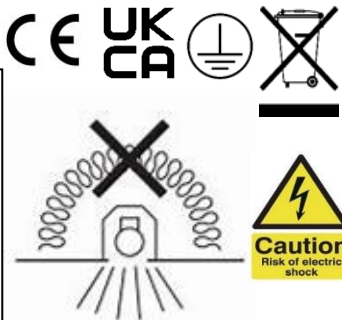
L1 Switched Live  
E Earth  
N Neutral

**Emergency**

L2 Unswitched Live  
DA/AT3 DALI Autotest  
DALI Autotest

**Dimming**

-D1/DA Analogue/DSI/DALI  
+D2/DA Analogue/DSI/DALI  
L3 Switch Dim / Corridor Function

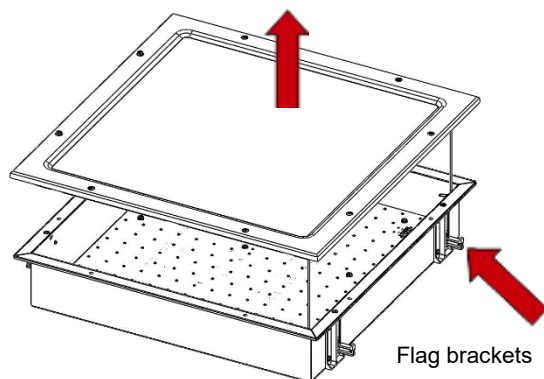


**WARNING:** Luminaire must be earthed. Risk of electric shock from LED boards if operated with cover removed. Installation / operation outside of luminaires intended scope invalidates warranty. Suitable only for domestic / light industrial / industrial applications within the scope of EN55015. Tested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

For installation into Burgess Spring Tee, an additional frame and support rails must be used. Order luminaire with the suffix "SP".

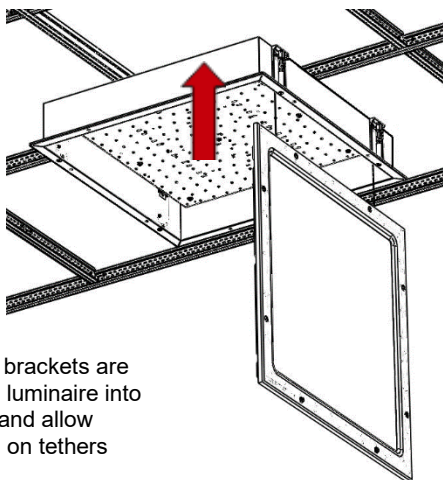
Follow steps 12 – 14 when installing the fitting into Spring Tee ceiling. Continue to adjust flag brackets and wire as per main instructions.

1.



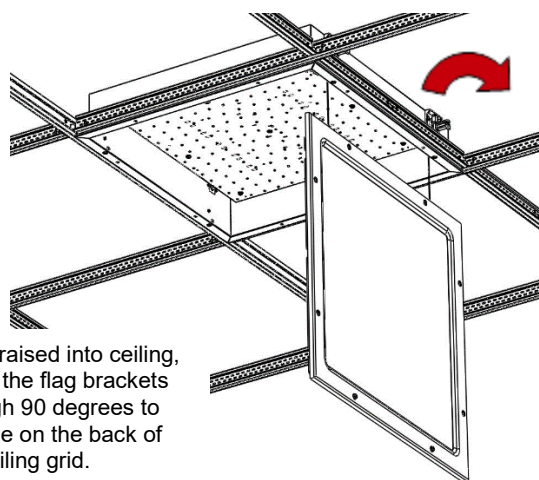
Remove diffuser by loosening each of the 8 retaining screws.

2.



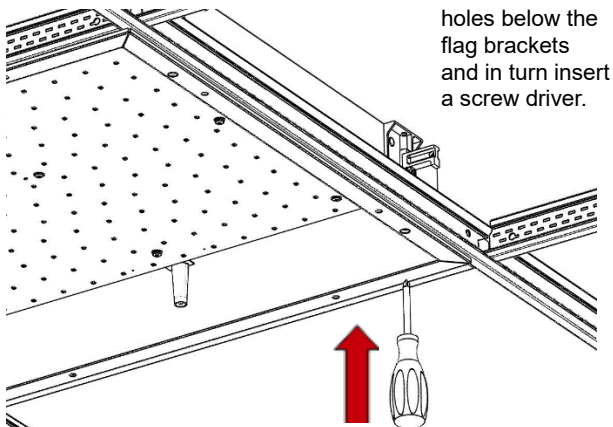
Ensure the flag brackets are folded in. Insert luminaire into the ceiling grid and allow diffuser to hang on tethers

3.



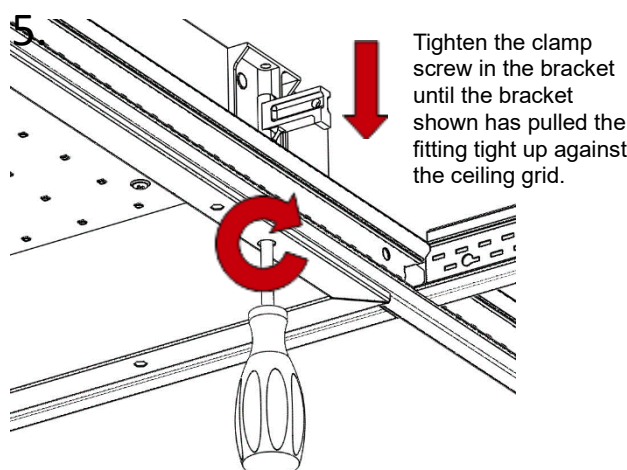
Once raised into ceiling, rotate the flag brackets through 90 degrees to engage on the back of the ceiling grid.

4.



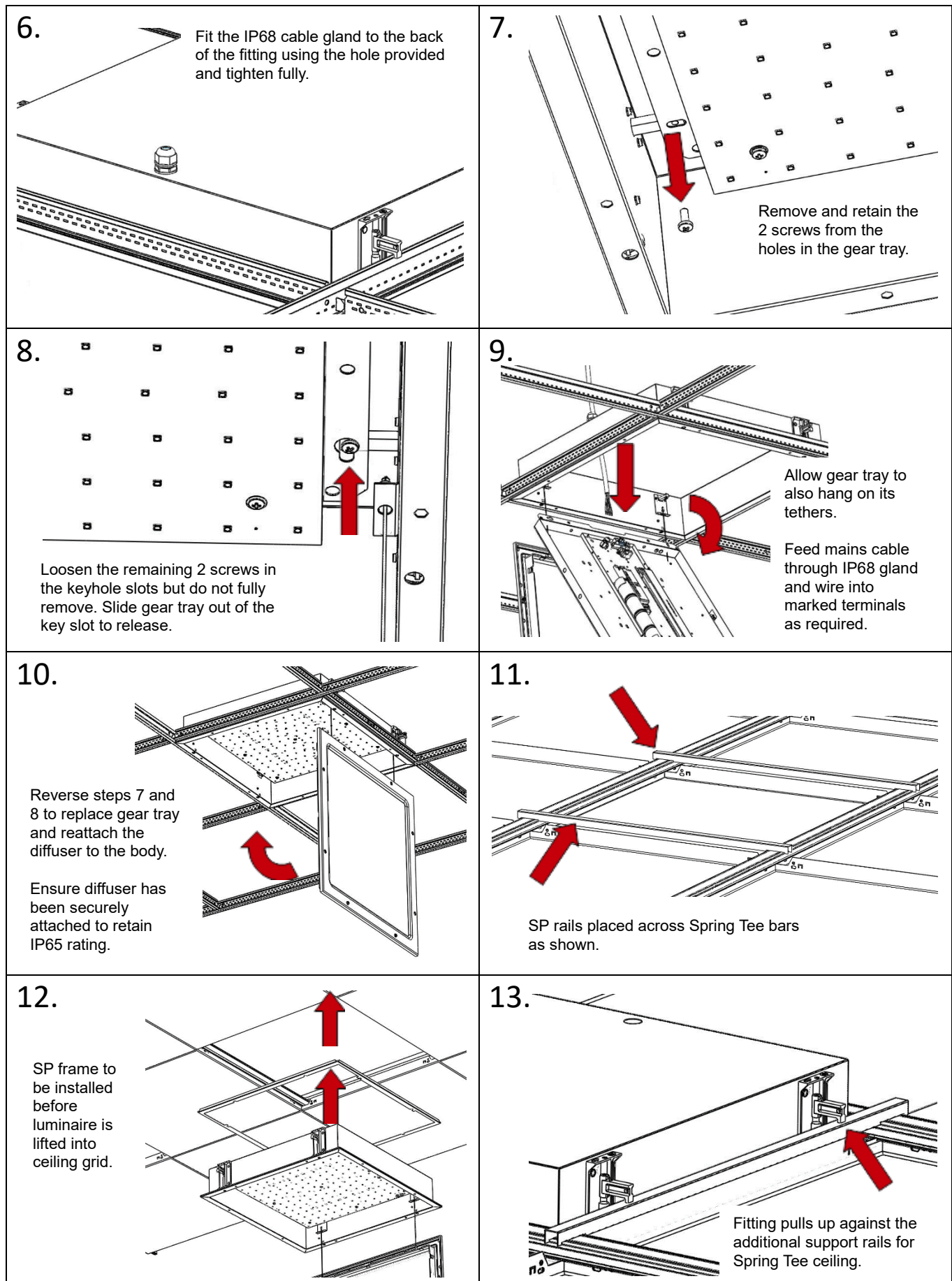
Locate the 4 holes below the flag brackets and in turn insert a screw driver.

5.



Tighten the clamp screw in the bracket until the bracket shown has pulled the fitting tight up against the ceiling grid.

# IMPR RGBW Installation



**Caution:** All red, green and blue can be run at the same time, however white can only be run with one additional colour. The fitting must not run all 4 colours at the same time. Drivers come programmed to prevent operation above 50% output when not connected to DALI system, however commissioning will reset these values, we strongly recommend these values are programmed during commissioning to prevent overheating should the DALI system fail.

**Under no circumstances should the LEDs in this luminaire be viewed directly, only illuminate this product with the diffuser installed. Directly viewing the LEDs in this luminaire has the potential to damage eyesight.**

## 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.
- ④ Use a pan pozi screwdriver when removing components.
- ⑤ Please contact Dextra for assistance with spare component supply.

