

Condition Discharge Information Pack

Rev A

PSDS3 Decarbonisation Works

Manchester City Council
September 2023

Didsbury Library
692 Wilmslow Rd
Didsbury
Manchester
M20 2DN



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1.0 Introduction

This information pack has been prepared to support the discharge of conditions under Listed Building Consent reference 136153/LO/2023. Conditions to be discharged are listed below.

3) Notwithstanding the details shown in the approved documents and detailed in condition 2 of this decision, full and final details of the following shall be submitted and approved in writing prior to any works to those elements commencing on site:

- a) Full details and method statements for: the blocking up of redundant openings; removal of redundant services and equipment - including from the basement boiler room; cabling; wiring; piping, together with details of the repair and materials to be used for the making good of any damage to the fabric of the building.*
- b) Full and final details including cross section drawings of replacement window and method statement for the replacement of the basement window identified to be replaced.*
- d) Full and final details and method statements for the installation of lighting fixtures and fittings.*
- e) Full and final details of the installation of electrical mains entry into the building together with method statement for the works including the external excavations works required for its installation.*

Condition 3c of the Listed Building Consent approval will be dealt with under a separate submittal.

- c) Full and final details of the radiators to be installed together with methods of fixing and routing of associated pipework and colouration of the radiators to be installed based upon a full review of the colour of existing radiators.*

2.0 Condition Discharge

2.1 Condition 3a – Making Good of Openings & Penetrations, Removal of Redundant Equipment

The service penetrations through the building and services to be removed from the building are highlighted on the document under Appendix A of this information pack.

The replacement of the heat and hot water generation will require the removal of the existing plant from the basement boiler room, and the installation of new plant in the basement boiler room.

The existing plant to be removed and disposed of off site is shown on the drawing 6776-M-SC-02 and hatched in red and includes the following:

- Existing REMEHA gas boiler(s)
- Pumpsets
- Expansion vessel
- Associated connective pipework, cables and electrical supplies

Following the removal of this plant the underlying surfaces will remain as existing and will not be made good. The detail and location is outlined below and under Appendix A of this document.

R01	Basement, boiler room.	Removal of existing REMEHA gas boiler(s), pumpsets, expansion vessel, associated connective pipework, cables and electrical supplies.	Existing surfaces will be left in the existing condition following removal of the existing plant. There is no proposed making good of the associated existing surfaces.
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Penetrations will be made through the building fabric in various locations as listed below to allow services to pass from space to space. The penetrations will generally be cut neatly and to the required diameter, minimising the need for filling and sealing. Where filling and sealing is required, this will be done so to match the existing construction and finishes.

The detail and locations are outlined below and under Appendix A of this document.

Ref	Location	Type	Making Good
P01	First floor/roof void – above existing distribution board.	Cable and conduit penetration through ceiling into roof void. Penetration through wall in roof void to allow conduit and cable to pass.	Drill hole of correct diameter for conduit. Make good with filler or plaster patch to match existing. Decorate to match existing.
P02	First floor staff room, near fire place.	Cable and conduit penetration through ceiling into roof void.	Drill hole of correct diameter for conduit. Make good with filler or plaster patch to match existing. Decorate to match existing.
P03	First floor staff room, near large 3 pane window.	Cable and conduit penetration through ceiling into roof void.	Drill hole of correct diameter for conduit. Make good with filler or plaster patch to match existing. Decorate to match existing.
P04	Basement, adjacent existing coal chute.	ENWL cable and duct penetration through masonry wall to RHS of existing basement window/coal chute (see drawing 3348.01 Rev C).	Drill hole of correct diameter for duct. Make good with small gap between hole and duct with flexible sealant.

P05	Basement, window above existing coal chute.	Duct and pipe penetrations through basement window above coal chute following replacement of glazed casement with plywood infill.	Unscrew glazed casement and replace with plywood infill. Fill gap between cut holes and duct with flexible sealant.
P06	Basement, above door opening.	Cable and conduit penetration masonry wall above door.	Drill hole of correct diameter for conduit. Hole to be formed neatly and no making good required.
P07	Basement, duct door adjacent staircase.	Cable and conduit penetration to door casing, from basement to sub-floor void/duct.	Hole drilled through timber casing of duct door. Hole neatly formed and no making good required.

Method Statement – read alongside drawing outlines under Appendix A

1. Services will be brought into the building in the basement. The existing casement window will be altered as outlined under 2.2 below (Condition 3b – Service Entry/Window).
2. Electricity North West will bring their services into the building as outlined under 2.5 below (2.5 Condition 3e – Incoming Electric Mains).
3. Power cables will be contained within 20mm diameter uPVC conduit screw fixed to surfaces. Penetration holes will be drilled to just exceed the diameter of the conduit and allow a neat finish with minimal making good of the hole. Where making good is required, it will be done so in filler or plaster to match the existing adjacent finish, and painted to match the existing adjacent colour.

2.2 Condition 3b – Service Entry/Window

The existing window and coal chute is depicted on drawing 19772-DL-012 Rev A 'Didsbury Library Window Detail'.

Communications have taken place between Rob Swiatek and Rob Griffin regards the preferred entry point of the services into the building. The proposed solution is to remove the two existing hinged, glazed casements and replace them with a 24mm thick weather resistant plywood panel. The service penetrations will then be made through the plywood panel.

Method Statement – read alongside drawing 19972-DL-012-RevA

1. The existing hinged casements will be unscrewed at the hinge/frame junction and removed from the window. They will be left in the plant room/basement and not cleared from site.
2. A 24mm thick weatherboard ply (WBP) panel will be screw fixed into the existing rebated frame (from where the casement was removed) on both sides. Holes will be predrilled and countersunk to minimise splitting of timbers and to leave a flush finish to the finished face.
3. Circular holes will be drilled or cut through the WBP panel using an appropriately sized hole saw, allowing a snug fit between the service/duct and the WBP.
4. The junction between service penetration and WBP will be sealed with weatherproof sealant.
5. The junction around the existing frame and WBP will be sealed on the external face with weatherproof sealant.
6. The WBP will be painted on both faces using primer, undercoat and satin paint of external grade. The existing frame will not be repainted.
7. There will be no repairs to the existing frame.

2.3 Condition 3c – New Heat Emitters

A second submittal to discharge condition 3c will be made once agreed options have been explored.

2.4 Condition 3d – Light Fittings

New light fittings will be installed in locations as shown on drawing J-24045-E02. The proposed light fittings are from Dextra and are outlined in the specification sheets included in Appendix D of this information pack. The existing wiring, containment and controls will remain in place and will be reused.

A new Dextra LED4S emergency light fitting is proposed to be installed in room B01-GF-008 adjacent the main light fitting. This new installation is necessary to meet the requirements of BS5266. The new emergency light fitting will be supplied with a new cable back fed and concealed in the ceiling void. The new fitting will be surface mounted and the cable fed through a new 20mm hole in the plaster ceiling. This fixing method will avoid the use of conduit and will allow the cable to be fully concealed.

The lighting scheme generally based selected to be sympathetic to the building's status, and the use of the individual rooms, with public facing areas making use of aesthetically sympathetic luminaries. The Typhoon lighting proposed to the basement areas has been selected as a functional provision in these plant room areas. The fittings are IP65, which provides full protection against dust and protection against low pressure water jets. The IP rating is therefore appropriate for the plant room use of the basement areas. The fitting is also durable and impact resistant, minimising the risk of serious damage to the unit in the event of impact in this area where maintenance and servicing will take place.

Method Statement – read alongside drawing J-24045-E02

1. Existing lights will be removed and disposed of off-site.
2. New light fittings will be installed in the locations shown on the drawing, replacing the existing locations.
3. Existing fixing holes will be reused where they are found to align with the new fixing brackets.
4. Where new fixing holes are required, they will be drilled to align with the new brackets and plugs suitable for the underlying ceiling construction will be installed to the drilled holes.
5. New fixing brackets installed and light fittings will then be installed.

2.5 Condition 3e – Incoming Electric Mains

Electricity North West Ltd (ENWL) will bring in a new incoming electrical mains supply to the basement of the Library.

The ENWL cable will be brought from the mains in the street to the building entry point in underground duct work, following the route of the duct being used by the mechanical services.

The duct route is aligned with the arborist report to avoid any root protection zones, and has been reviewed by GMAS who confirmed they need no further input. The excavation will be made good to match the existing surfaces, that being macadam finishes to the entrance drive and car park.

The cable must be buried along its complete length to the entry point into the building. This requirement means that the new cable cannot be brought into the existing basement light well and a new penetration must be made.

To enter the building, a new hole will be drilled through the masonry adjacent the existing light well and coal chute, and internally an MDF lining will be installed to the basement wall. This is depicted on drawing 3348.01 Rev D.

Method Statement – read alongside drawing 5500245959-01

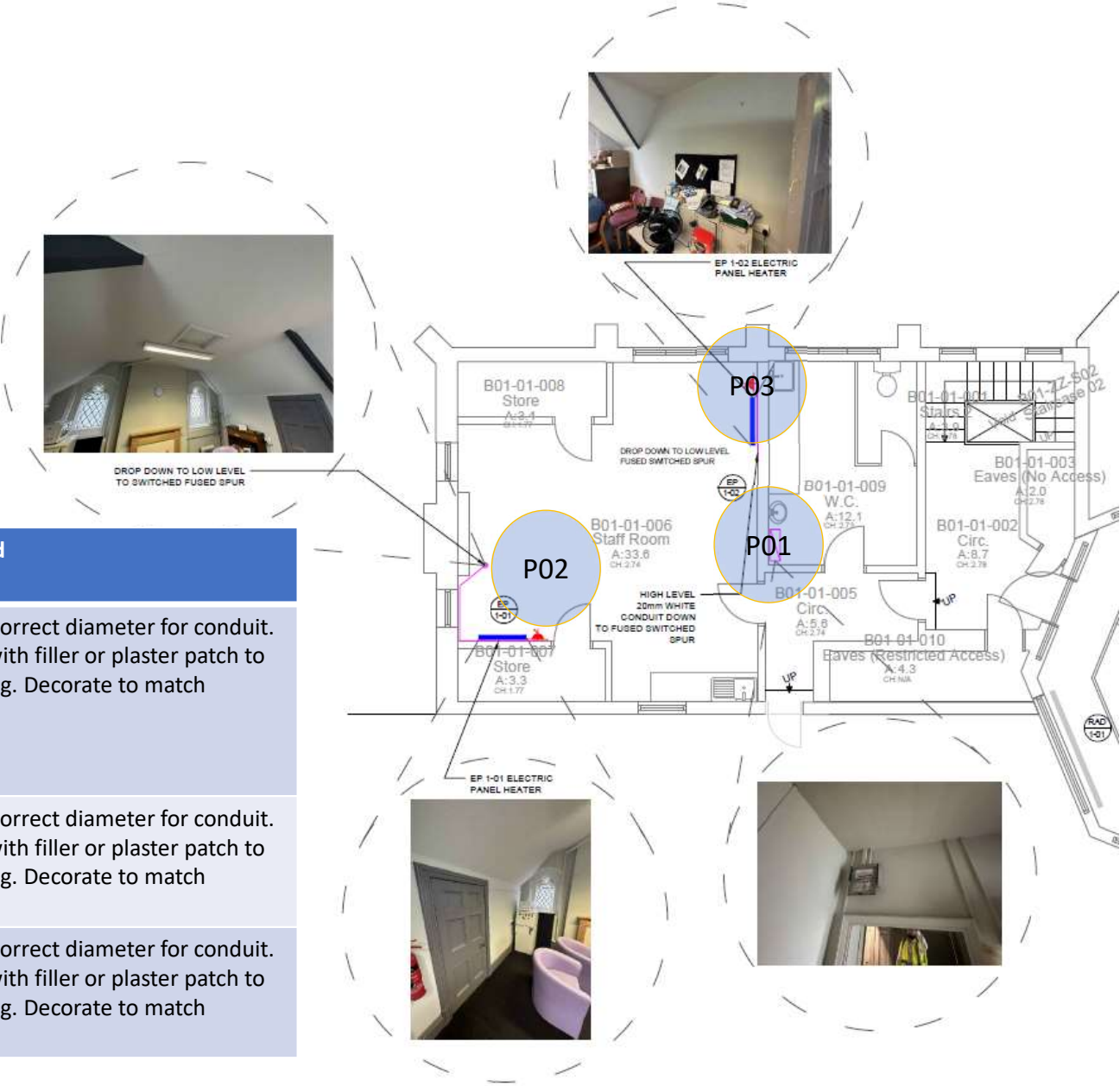
1. The duct will be excavated following the agreed route and using the setting out points dimensioned on the arborist report and drawings. Ducts and services will be laid and then the excavation will be backfilled using sub base materials before being finished with macadam to match the existing drive and car park finishes.
2. A new hole will be drilled not exceeding 200mm to allow the duct and cable to pass into the basement. The location is shown on 3348.01 Rev D.
3. An MDF wall lining will be installed to the inner face of the basement wall to allow the installation of the distribution boards. The MDF will be fixed over timber grounds, plugged and screwed to the masonry. New fixing holes will be drilled and plugs suitable for the masonry will be installed.

Appendix A

Removal & Making Good Details

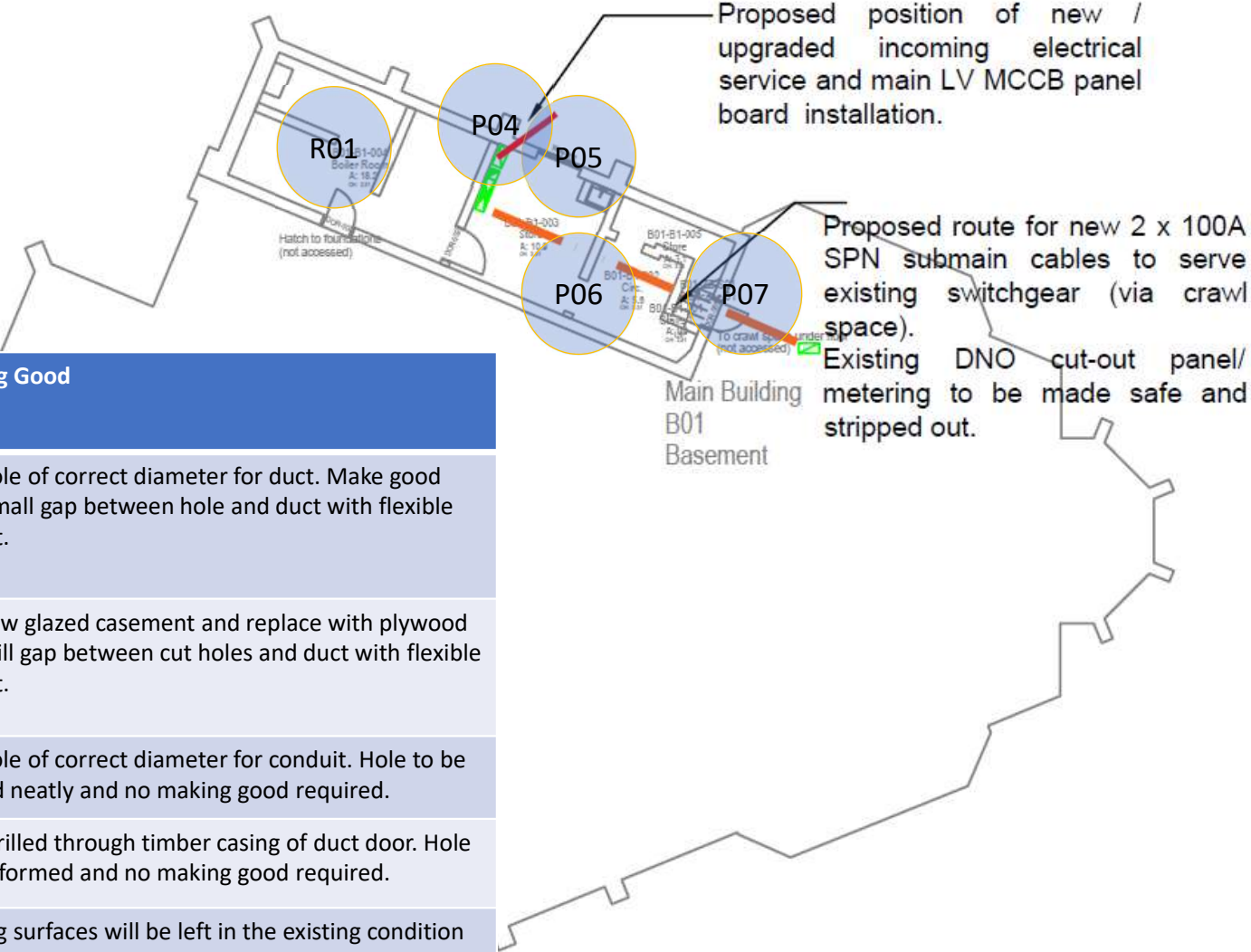
Didsbury Library

First Floor Staff Room



Ref	Type	Making Good
P01	Cable and conduit penetration through ceiling into roof void. Penetration through wall in roof void to allow conduit and cable to pass.	Drill hole of correct diameter for conduit. Make good with filler or plaster patch to match existing. Decorate to match existing.
P02	Cable and conduit penetration through ceiling into roof void.	Drill hole of correct diameter for conduit. Make good with filler or plaster patch to match existing. Decorate to match existing.
P03	Cable and conduit penetration through ceiling into roof void.	Drill hole of correct diameter for conduit. Make good with filler or plaster patch to match existing. Decorate to match existing.

Didsbury Library Basement



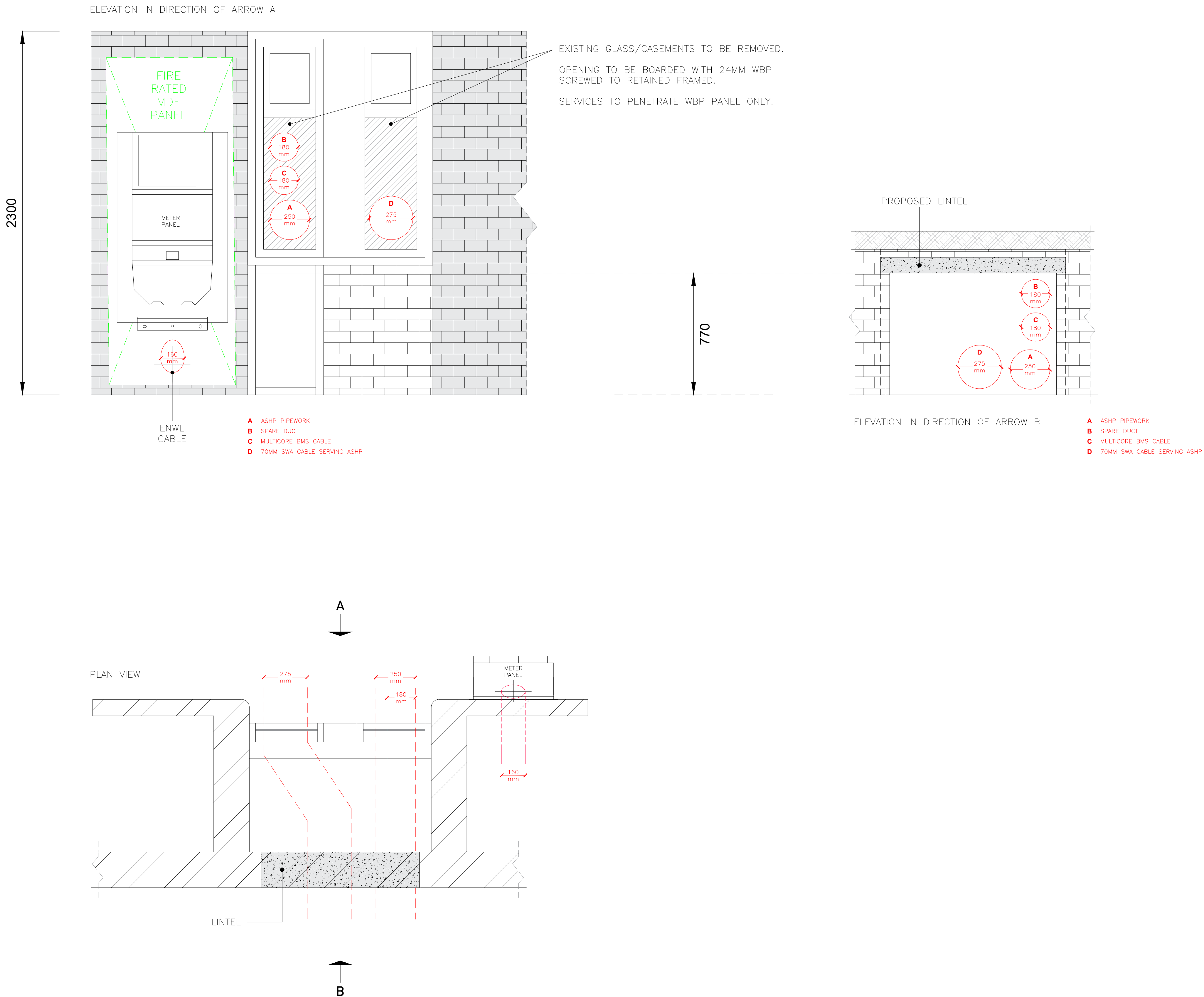
Ref	Type	Making Good
P04	ENWL cable and duct penetration through masonry wall to RHS of existing basement window/coal chute (see drawing 3348.01 Rev C).	Drill hole of correct diameter for duct. Make good with small gap between hole and duct with flexible sealant.
P05	Duct and pipe penetrations through basement window above coal chute following replacement of glazed casement with plywood infill.	Unscrew glazed casement and replace with plywood infill. Fill gap between cut holes and duct with flexible sealant.
P06	Cable and conduit penetration masonry wall above door.	Drill hole of correct diameter for conduit. Hole to be formed neatly and no making good required.
P07	Cable and conduit penetration to door casing, from basement to sub-floor void/duct.	Hole drilled through timber casing of duct door. Hole neatly formed and no making good required.
R01	Removal of existing REMEHA gas boiler(s), pumpsets, expansion vessel, associated connective pipework, cables and electrical supplies.	Existing surfaces will be left in the existing condition following removal of the existing plant. There is no proposed making good of the associated existing surfaces.

Appendix B

Window drawing 19972-DL-012 Rev A

1 PROPOSED INCOMING DUCTS AND PIPEWORK LOCATIONS

SCALED @ 1:20



DO NOT SCALE OFF THIS DRAWING

ONLY DIMENSIONS ARE TO BE USED FROM THIS DRAWING
ALL CONTRACTORS MUST VISIT THE SITE AND BE RESPONSIBLE FOR TAKING
AND CHECKING ALL DIMENSIONS RELATIVE TO THEIR WORK

NOTES

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D	DRAWING UPDATED	07.08.2023
C	DRAWING UPDATED	07.08.2023
B	DRAWING UPDATED	02.08.2023
A	DRAWING UPDATED	02.08.2023
REVISION	DESCRIPTION	DATE

FOR APPROVAL

CLIENT
DIDSBURY LIBRARY

PROJECT

DRAWING TITLE
PROPOSED INCOMING DUCTS AND PIPEWORK LOCATIONS

PROJECT NO.	3348	DATED	07.08.2023
DRAWN BY	SJ	SCALE	1:20 @ A2
DRAWING NO.	3348.01	REVISION	D



Notes:

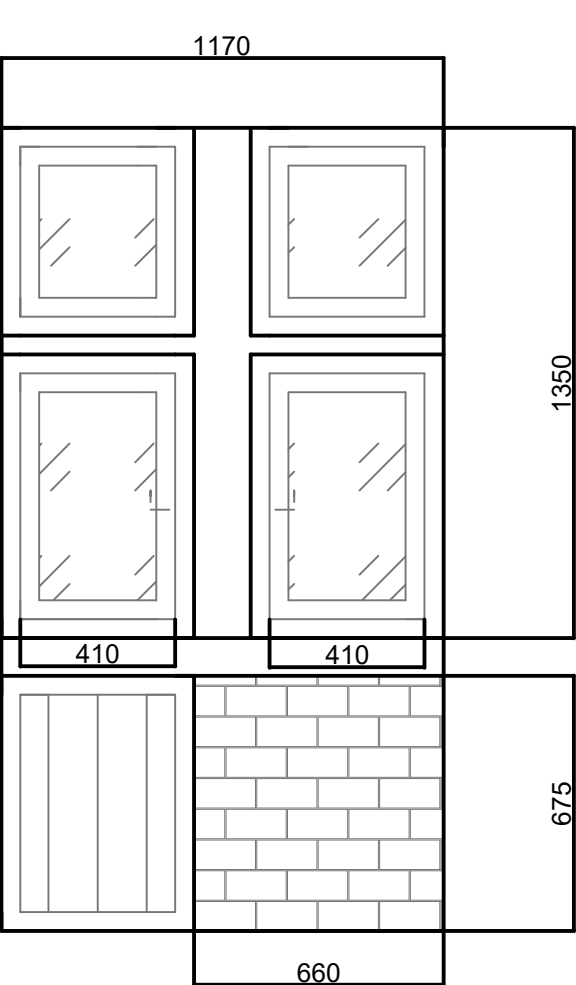
Copyright: All rights reserved. This drawing must not be reproduced without permission from AA Projects Ltd. Do not scale off this drawing. All dimensions are to be checked on site by contractor / sub contractor. Any discrepancies to be reported to AA Projects Ltd.

A	28/7/23	Revised service penetration solution	GC	RS
Rev	Date	Revision notes	By	Check

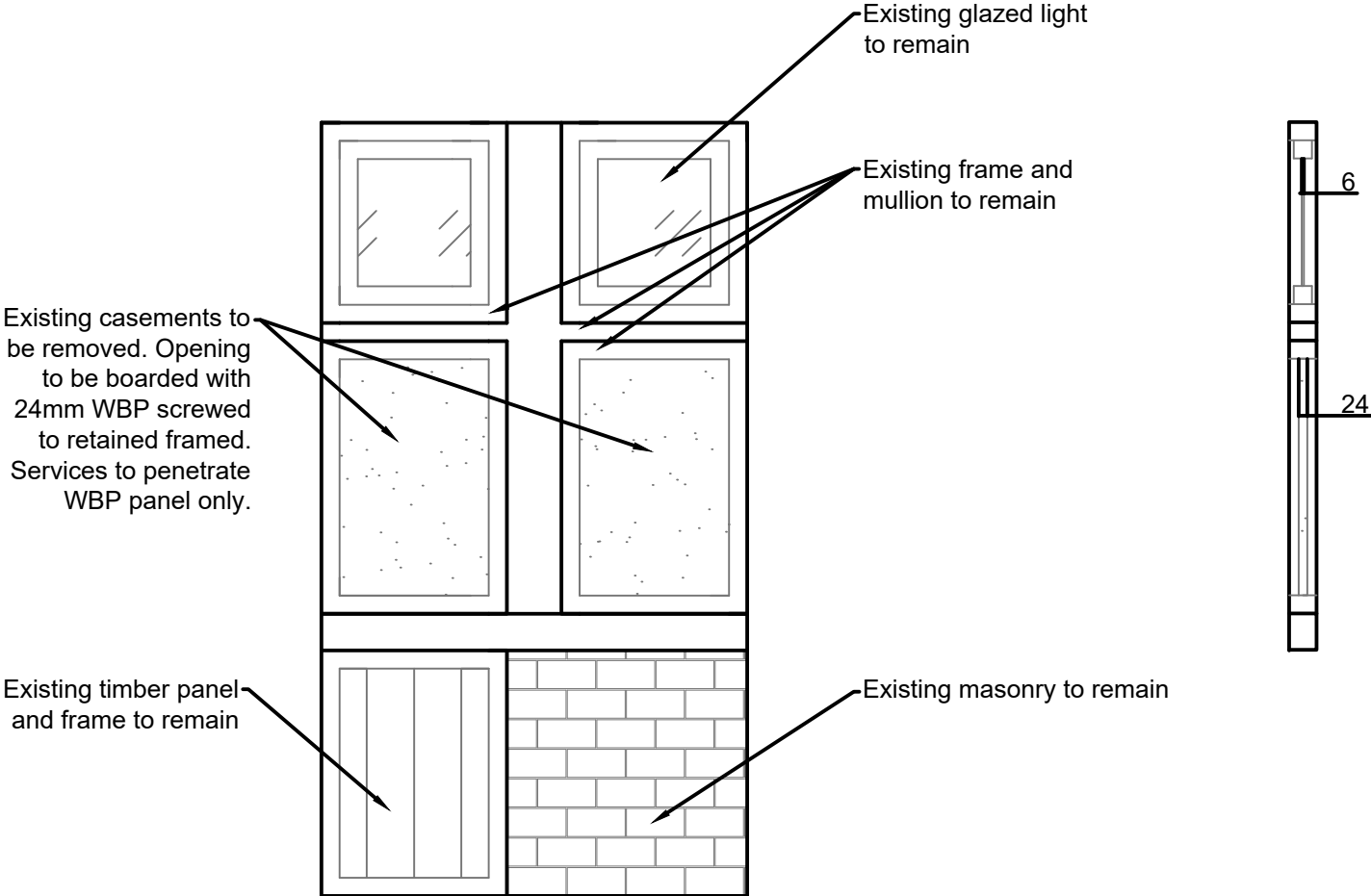
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Client Equans Manchester City Council		Drawing Title Didsbury Library Window Detail	
Project Title PSDS Didsbury Library		Drawn JB	Date 08/02/22
		Checked RS	Date 08/02/22
DWG No.	19972-DL-012	Scale	1:20
Revision	A		



Existing



Proposed

Section

Appendix C

No content provided. Full details will be provided under a separate submittal.

Appendix D

Proposed Luminaires



PRODUCT SPECIFICATION

LED4S WIRELESS



INTRODUCTION

The LED 4S Wireless is surface mount standalone non maintained emergency luminaire with both open area and escape route options and available in both black and white variants. The LED3s is available in two versions, either Reacta-Link wireless compatible or Reacta-Control wireless compatible, allowing emergency testing to be automated and test results to be centrally reported wirelessly substantially reducing the labour costs associated with emergency testing and offering a rapid return on investment.

- IP20

APPLICATION

- Commercial / Offices
- Corridor
- Education
- Food / Clean Area
- Healthcare / Social Housing
- Hotel / Leisure
- Industrial / Manufacturing
- Retail

- Stairwell
- Transport
- Warehouse / Storage

SPECIFICATION

CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Housing: Injection moulded polycarbonate
- Finish: Matt black
- Finish: Matt white
- Lens: Injection moulded PMMA lens
- IP20

ENVIRONMENTAL

- 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.
- UK based manufacturing providing local support throughout the product lifetime and minimising transportation miles.

EMERGENCY

- Optional Reacta-Link wireless emergency for automated centralised reporting.
- Optional Reacta-Control wireless emergency for automated centralised reporting.

INSTALLATION

- Suitable for conduit installation
- Suitable for surface installation

VARIATIONS

- Available in white or black finishes
- Supplied with three lens variants, open area, escape route and spot

IMAGES

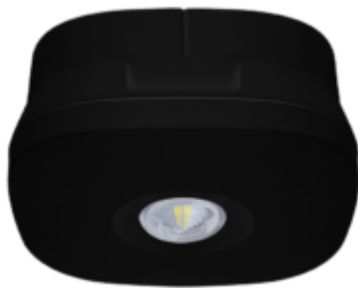
PRODUCT IMAGES



LED4S Wireless

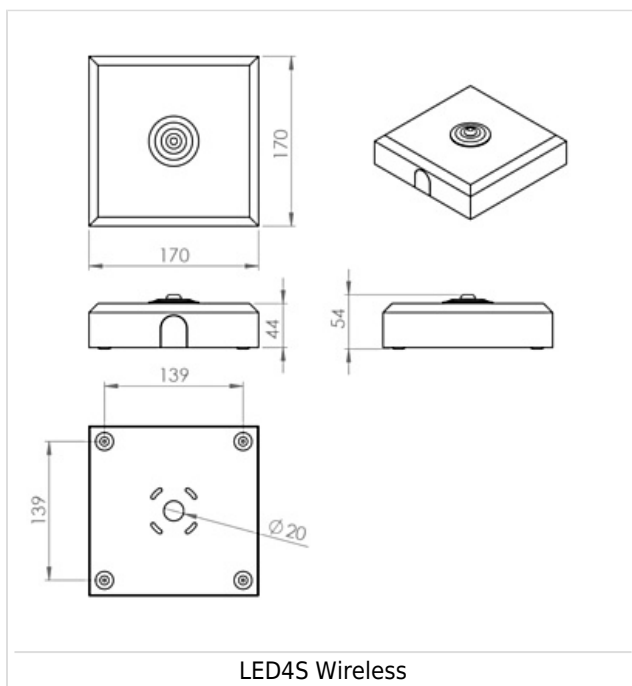


LED4S NM3 LA3RC CON

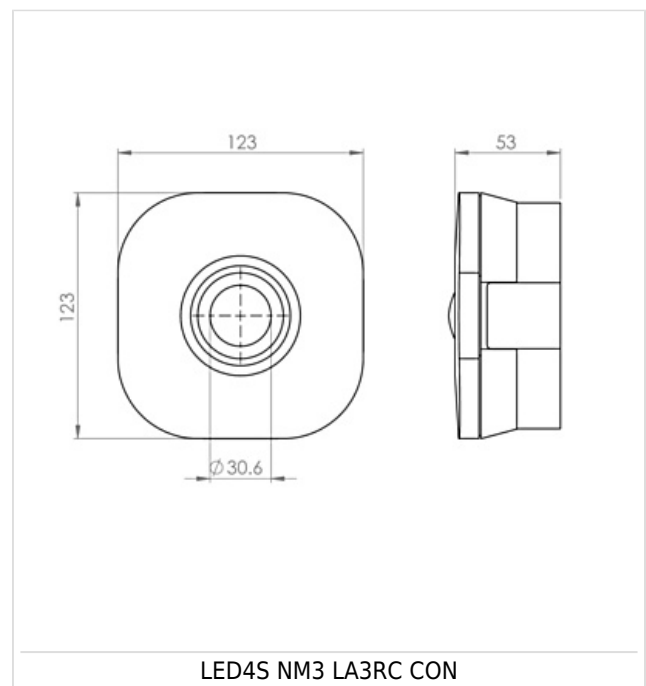


LED4S NM3 LA3RC CON Black

TECHNICAL



LED4S Wireless



LED4S NM3 LA3RC CON

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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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.

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

858100.

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description
LED4S NM3 LA3RC CON	LED4S Surface, Reacta-Control, White
LED4S NM3 LA3RC CON BL	LED4S Surface, Reacta-Control, Black
LED4O STR	LED4 Open Area, Maintained (Non-Maintained Compatible), Reacta Link Wireless Emergency
LED4E STR	LED4 Escape Route, Maintained (Non-Maintained Compatible), Reacta Link Wireless Emergency

MISCELLANEOUS

Code	Description
LSF	Low Smoke Zero Halogen

AMED LED

Product Specification



+44 (0)1747 858100

dextragroup.co.uk/dextra-lighting

Dextra
LIGHTING



INTRODUCTION

Introduction

The Dextra AMED LED range is now available in an LED variant using the latest Lumileds LEDs allowing us to offer a range of functions unique to ourselves. With 1500 or 2000 lumen output and light output ratios in excess of 80% this product range gives similar performance to traditional fluorescent sources. 1500 lumen offers similar output to 28W 2D and the 2000 lumen variant gives similar output to 38W 2D with the benefit of significantly lower energy consumption and a 5 year warranty (terms and conditions apply, please see our warranty page for full details).

The Amenity Decorative can be offered with optional integral sensor, emergency, corridor mode or dimming options, all of which can be combined to tailor the luminaire to suit your application.

The Amenity Decorative is manufactured from injection moulded polycarbonate with an opal diffuser and comes with a range of optional coloured ring attachments and semi recessing kits.

The Amenity Decorative is ideal for internal applications such as corridors, stairways, toilets and storage areas.

APPLICATION

- Canteen
- Commercial/Offices
- Corridor
- Education

- Healthcare/Social Housing
- Hotel/Leisure
- Industrial/Manufacturing
- Retail
- Stairwell
- Store Room
- Toilet
- Transport
- Warehouse/Storage

SPECIFICATION

Construction

- Polycarbonate diffuser and body.
- Steel gear tray powder painted white.

Performance

- Up to 87 luminaire lumens per circuit watt.

Control

- Available with Switch dimming, DALI dimming, HFR 1-10v Analogue dimming and Digital dimming.

Emergency

- Available with standard, self test and autotest dimming.

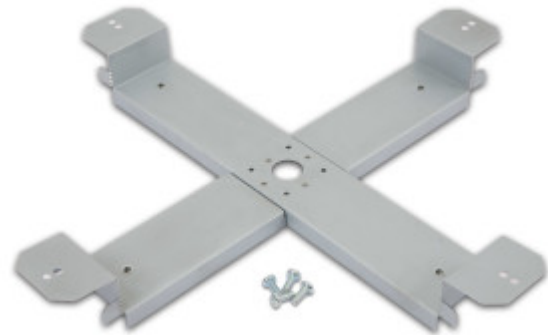
Installation

- Suitable for side conduit entry or rear cable entry.

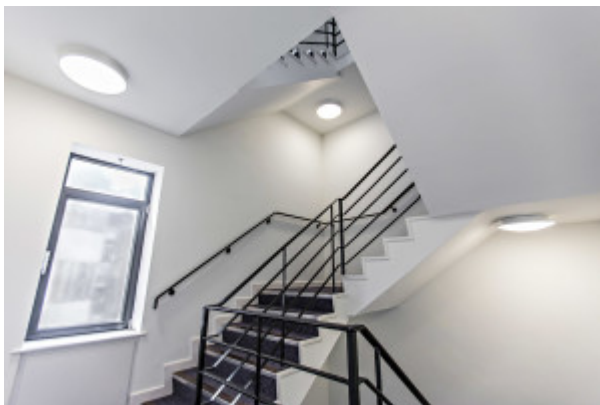
IMAGES

Product Images

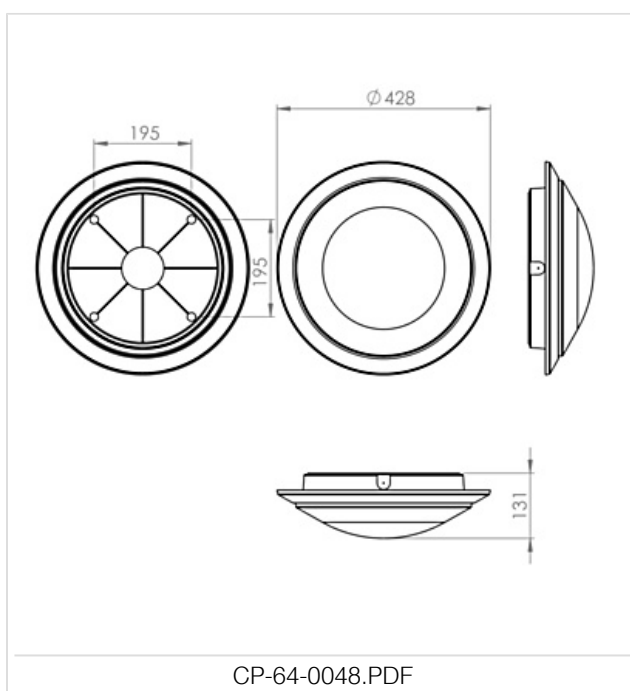




Project Images



TECHNICAL



WARRANTY

All Dextra products are supplied with a 12 month warranty for any defect that may occur with the product during this time. Any defect will either be repaired on site free of charge or the defective product may be replaced on a chargeable basis and credit given against defective product returned. The course of action taken will be at our discretion and dependent on the nature of the defect.

The control gear within our high frequency and LED luminaires is further underwritten by our suppliers for a period of up to 5 years in total from the time of purchase. This comprises labour and parts for the first 3 years and free of charge components only for the final 2 years.

PROTEC LED FR 8W GU10 variants and Emergency LED ranges are exempt from the 5 year warranty and are supplied with 1 year warranty only. PROTEC LED COB luminaires are supplied with a two year warranty for replacement luminaires only.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation or unsuitable environmental conditions.

It is the duty of the customer to ensure that all relevant tests have been carried out prior to requesting site visits or replacement products, for example replacement of lamps, commissioning of sensors and inspection of external wiring. 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.

Consumable commodities such as lamps, starters and batteries are excluded from these warranty terms. Batteries are supplied with a twelve month warranty only.

5 year warranty on LED product ranges is subject to a maximum of 4000 operating hours per year and only applies where failures exceed the component manufacturers expected failure rate and lumen depreciation.

If you require any assistance with regards to our products please do not hesitate to contact our Customer Services department on 01747 858100.

ORDER CODES

Luminaire Codes

Code	Description	Circuit Wattages	Llm/w
AMED L15 C84	Amenity Decorative, 1500 Lumen, White Opal, Colour 84	13.4w	88
AMED L20 C84	Amenity Decorative, 2000 Lumen, White Opal, Colour 84	19.4w	81
AMED L30 C84	Amenity Decorative, 3000 Lumen, White Opal, Colour 84	21.5w	110

C83 option available on special request with specific lumen outputs.

Optic

Code	Description
AMED SRB	Amenity Decorative Semi Recessing Kit (330mm cut out)
AMED AWR	Amenity Decorative Angled White Ring
AMED ACR	Amenity Decorative Angled Chrome Ring
AMED ABR	Amenity Decorative Angled Brass Ring

Dimming & Control Gear

Code	Description
S	Switch Dimming
A	Digital Addressable Lighting Interface (DALI)
D	Digital dimming (DSI)
C	Bi-Level Dimming

Lighting Control

Code	Description
R25E	R25 On/Off (Microwave Presence / Brightout Sensor – High Frequency)
R25C*	Reacta 25, Corridor Mode (Microwave Presence / Brightout Sensor)

*Bi-Level Dimming.

*Will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

Emergency

Code	Description
M3	Maintained Emergency 3 Hour
ST3	Self Test
AT3	Autotest Emergency



PRODUCT SPECIFICATION

AMENITY PLUS - CIRCULAR



INTRODUCTION

The Amenity Plus Circular is available in lumen outputs ranging from 1500 to 3000 and is manufactured with an injection moulded polycarbonate housing and diffuser and can be offered with a range of dimming types, integral lithium emergency and black or white housings.

The Amenity Plus range includes premium mid power LEDs offering excellent efficiency and longevity with a lifetime of L90 at 60,000 operating hours. Energy savings can be further enhanced with a selection of integral presence detection and bright out microwave sensors including on / off, bi level dimming and wireless variants allowing luminaires to be grouped for simultaneous operation.

The Amenity Plus range is sealed to IP65 allowing for use in external areas such as under canopies or wall mounting, however is equally suited to a range of internal applications such as corridors, stairways, toilets and storage areas.

- CE
- IP65
- IK10
- L90 / 60K OPERATING HOURS
- 3 STEP MACADAM ELLIPSE

APPLICATION

- Canteen

- Commercial / Offices
- Corridor
- Education
- Exterior
- Healthcare / Social Housing
- Hotel / Leisure
- Industrial / Manufacturing
- Parking / Exterior
- Retail
- Stairwell
- Store Room
- Toilet
- Transport
- Warehouse / Storage

SPECIFICATION

CONSTRUCTION

- Housing: Injection moulded polycarbonate
- Finish: Matt black
- Finish: Matt white
- Diffuser: Injection moulded high transmission opal polycarbonate
- IK10
- IP65

PERFORMANCE

- Part L2 compliant
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- Up to 131 luminaire lumens per circuit Watt.

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive.
- 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.

CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional Integral R25 microwave presence and bright out sensor
- Optional Integral R25W wireless microwave presence and bright out sensor
- Optional integral Reacta-Link for integration with Reacta-Link wireless installations
- Optional integral Reacta-Control for integration with Reacta-Control wireless installations
- Optional integral photocell

INSTALLATION

- Suitable for conduit installation
- Suitable for surface installation
- Retrofit in existing luminaires

VARIATIONS

- Available with a wide range of colour temperatures and renderings
- Available in a range of lumen outputs
- Available in white or black finishes
- Available with optional night light

IMAGES

PRODUCT IMAGES



Amenity Plus Circular Black

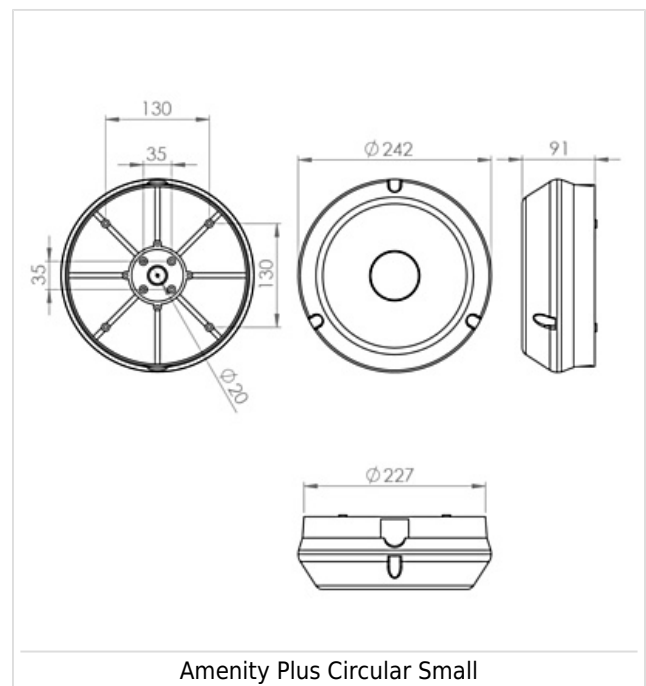
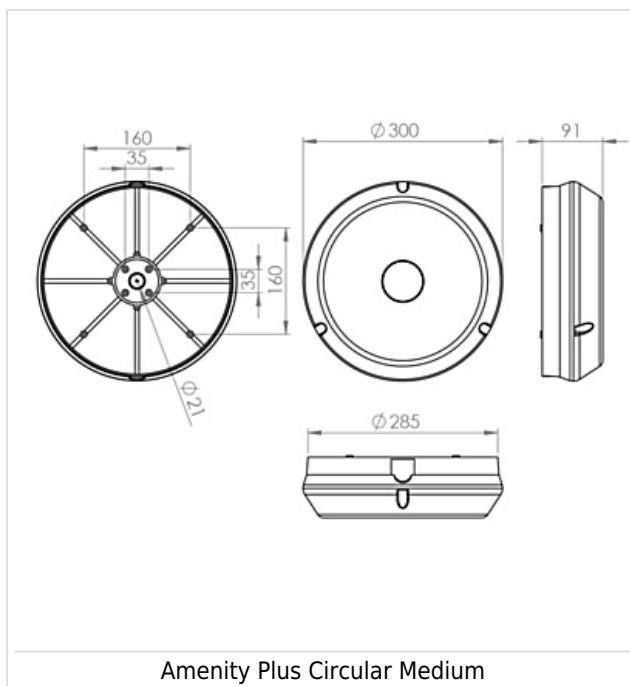


Amenity Plus Circular White

PROJECT IMAGES



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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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.

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

858100.

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
Small			
AMC L10 WO	Amenity Plus, 457llm, Small Circular, White Opal, Colour 84	10.2W	44
Medium			
AMC L15 BO	Amenity Plus, 1,252llm, Medium Circular, Black Opal, Colour 84	9.5W	131
AMC L15 WO	Amenity Plus, 1,252llm, Medium Circular, White Opal, Colour 84	9.5W	131
AMC L20 BO	Amenity Plus, 1,660llm, Medium Circular, Black Opal, Colour 84	14.4W	115
AMC L20 WO	Amenity Plus, 1,660llm, Medium Circular, White Opal, Colour 84	14.4W	115
AMC L30 BO	Amenity Plus, 2,487llm, Medium Circular, Black Opal, Colour 84	20.0W	124
AMC L30 WO	Amenity Plus, 2,487llm, Medium Circular, White Opal, Colour 84	20.0W	124

DIMMING

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

L10 variants cannot include both dimming and emergency.

CONTROL

Code	Description
R25E	Reacta 25, Presence & Bright Out, On / Off, 2.5-4M
R25C*	Reacta 25, Presence & Bright Out, Bi-Level Dimming, 2.5-4M
R25W	Reacta 25, Wireless, Presence & Bright Out, Dimmable, 2.5-4M
R25WE	Reacta 25, Wireless, Presence & Bright Out, On / Off, 2.5-4M
PH	Photocell
RLM	Reacta-Link, Wireless, Presence, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCMC*	Reacta-Control, Presence & Bright Out, Bi-level Dimming, 2.5-4M
RCME	Reacta-Control, Presence & Bright Out, On / Off, 2.5-4M

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

*Bi-Level Dimming will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

R25E & R25C not available on L10 versions.

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

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
NL	Night Light (Non Emergency Variants Only)
TRS	Tamper Resistant Screws
TRS INSTALL KIT	Tamper Resistant Compatible Screwdriver Heads
LSF	Low Smoke Zero Halogen



PRODUCT SPECIFICATION

AMENITY DECORATIVE IP65



INTRODUCTION

The Amenity Decorative IP65 offers the decorative and aesthetic benefits of our Amenity Decorative range with a tough IP65 housing for applications with a risk of water and dust ingress as well as an IK10 rating to protect against impact. Manufactured with high quality mid power LEDs the Amenity Decorative IP65 offers excellent energy efficiency and longevity with L90 at 60,000 operating hours. With lumen outputs ranging from 1500 to 6000 as well as integral lithium emergency and dimmable options the Amenity Decorative IP65 can easily be tailored to suit a wide range of applications.

Energy savings can be further enhanced with a selection of integral presence detection and bright out microwave sensors including on / off, bi level dimming and wireless variants allowing luminaires to be grouped for simultaneous operation.

- CE
- IP65
- IK10
- L90 / 60K OPERATING HOURS
- 3 STEP MACADAM ELLIPSE

APPLICATION

- Canteen
- Commercial / Offices
- Corridor

- Education
- Healthcare / Social Housing
- Hotel / Leisure
- Industrial / Manufacturing
- Retail
- Stairwell
- Store Room
- Toilet
- Transport
- Warehouse / Storage

SPECIFICATION

CONSTRUCTION

- Housing: Injection moulded polycarbonate
- Finish: Matt white
- Diffuser: Injection moulded high transmission opal polycarbonate
- IK10
- IP65

PERFORMANCE

- Part L2 compliant
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- Up to 128 luminaire lumens per circuit Watt

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive.
- 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 Integral R25 microwave presence and bright out sensor
- Optional Integral R25W wireless microwave presence and bright out 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
- Retrofit in existing luminaires

VARIATIONS

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

IMAGES

PRODUCT IMAGES

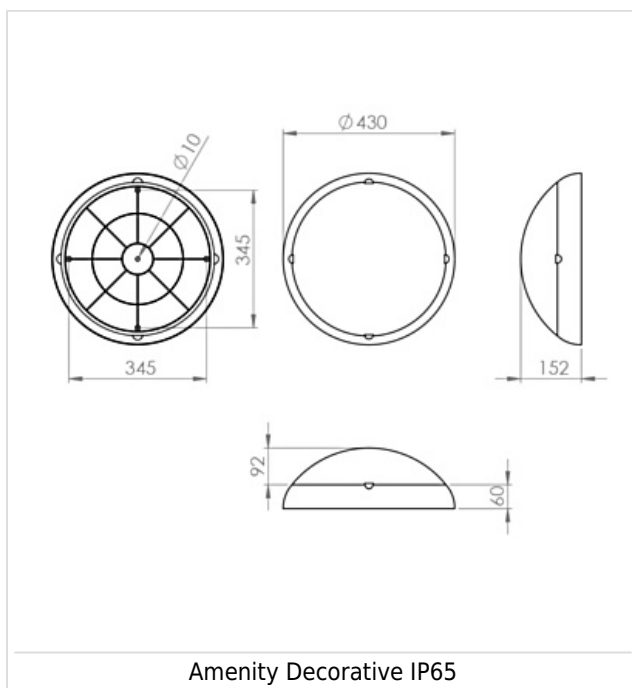


Amenity Decorative IP65

PROJECT IMAGES



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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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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.

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

858100.

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
AMEDIP65 L15	Amenity Decorative IP65, 1,214llm, Colour 84	10.3W	117
AMEDIP65 L20	Amenity Decorative IP65, 1,616llm, Colour 84	13.7W	117
AMEDIP65 L30	Amenity Decorative IP65, 2,425llm, Colour 84	20.9W	116
AMEDIP65 L40	Amenity Decorative IP65, 3,234llm, Colour 84	28.0W	115
AMEDIP65 L60	Amenity Decorative IP65, 4,854llm, Colour 84	37.6W	128

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
R25E	Reacta 25, Presence & Bright Out, On / Off, 2.5-4M
R25C*	Reacta 25, Presence & Bright Out, Bi-Level Dimming, 2.5-4M
R25W	Reacta 25, Wireless, Presence & Bright Out, Dimmable, 2.5-4M
R25WE	Reacta 25, Wireless, Presence & Bright Out, On / Off, 2.5-4M
RLI	Reacta-Link, Wireless Enabled Luminaire
RLM	Reacta-Link, Wireless, Presence, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCMC*	Reacta-Control, Presence & Bright Out, Bi-level Dimming, 2.5-4M
RCME	Reacta-Control, Presence & Bright Out, On / Off, 2.5-4M

Please click here for full details on our wireless controls.

*Bi-Level Dimming will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

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 50V, 110V or 230V when Ordering

Emergency not available with L60 variants

Emergency not available with L60 variants.

MISCELLANEOUS

Code	Description
------	-------------

C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
NL	Night Light (Non Emergency Variants Only)
TRS	Tamper Resistant Screws
TRS INSTALL KIT	Tamper Resistant Compatible Screwdriver Heads
LSF	Low Smoke Zero Halogen



PRODUCT SPECIFICATION

CAPO XL



INTRODUCTION

The Capo XL is a modern take on the classic Highbay luminaire used in countless warehouse, manufacturing and retail applications around the country. The Capo XL provides a modern and attractive appearance with similar lumen output to traditional 250W and 400W HID luminaires with typically half the energy consumption and minimal maintenance requirements ensuring that the Capo XL provides rapid return on investment in the vast majority of applications. With a matt grey or white aluminium rear housing, a translucent collar available in a range of colours and opal refractor the Capo XL can also be customised to suit any corporate theme.

The Capo XL is available in three lumen outputs, 6,513lm, 12,676lm and 17,718lm luminaire lumens ensuring it can be used as an effective replacement for the majority of HID sources and is also available in dimming and lithium emergency variants eliminating the need for costly separate emergency lighting systems. Wireless dimming and control can be offered with our Reacta-Dim system and Reacta-Link options are also available where web based control and reporting of luminaires is required.

- CE
- IP20
- L90 / 60K OPERATING HOURS
- 3 STEP MACADAM ELLIPSE

APPLICATION

- Industrial / Manufacturing

- Retail
- Warehouse / Storage

SPECIFICATION

CONSTRUCTION

- Housing: Spun aluminium
- Finish: Matt grey
- Diffuser: Injection moulded high transmission opal polycarbonate
- IP20
- Translucent collar available in a range of colour options.

PERFORMANCE

- Part L2 compliant
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- Up to 85 luminaire lumens per circuit Watt.

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive.
- 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.

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

INSTALLATION

- Suitable for suspended installation

- Supplied complete with single point suspension kit allowing for simple replacement of traditional highbay luminaires.

VARIATIONS

- Available with a wide range of colour temperatures and renderings
- Available in a range of lumen outputs
- Available with a range of collar colours

IMAGES

PRODUCT IMAGES



Capo XL Grey Housing



Capo XL White Housing



Capo XL Black Housing



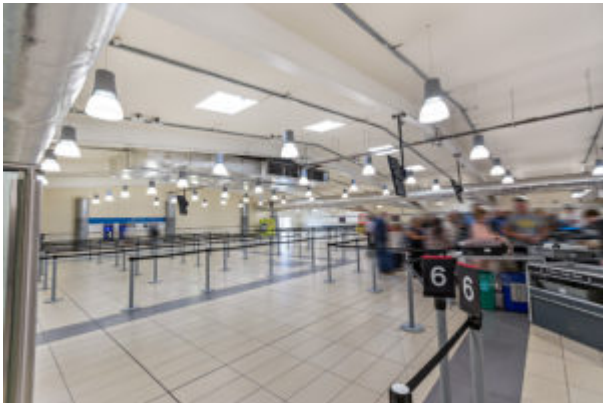
Capo XL Opal Collar



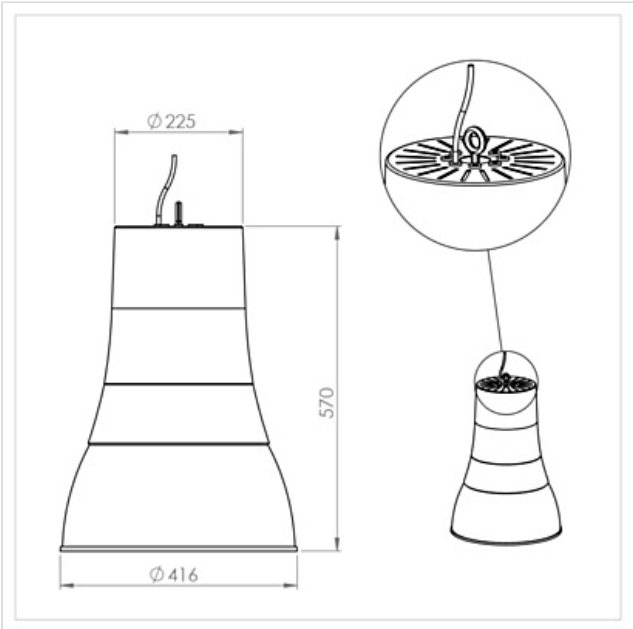
Capo XL Green Collar

Capo XL Orange Collar

PROJECT IMAGES



TECHNICAL



Capo XL

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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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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.

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

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
CAP XL L80	Capo XL, 6,513llm, Grey Housing, Colour 84	76.3W	85
CAP XL L160	Capo XL, 12,676llm, Grey Housing, Colour 84	154.3W	82
CAP XL L240	Capo XL, 17,718llm, Grey Housing, Colour 84	225.3W	78

Supplied with suspension kit

DIMMING

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

The Capo XL L160 uses two drivers and the L260 uses three drivers requiring an address per driver on the DALI network.

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

MISCELLANEOUS

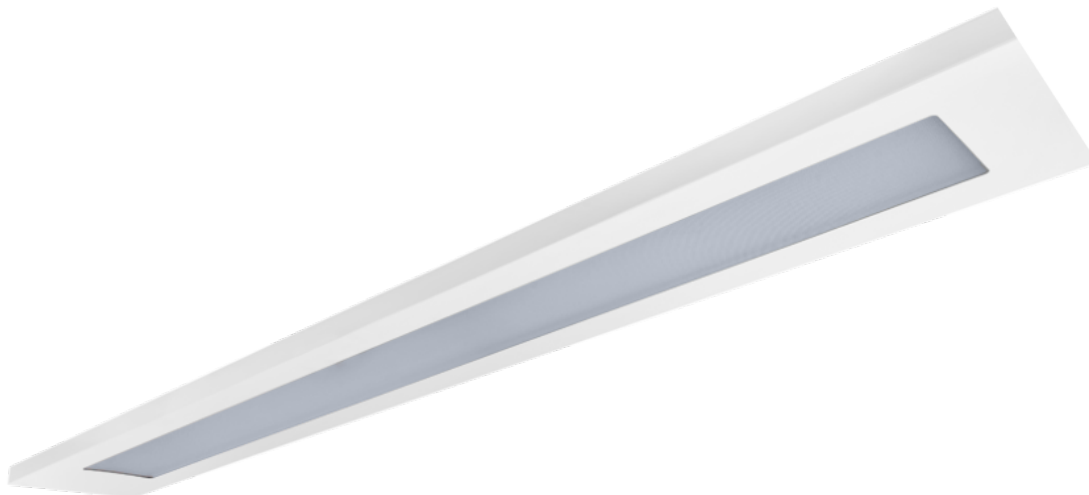
Code	Description
C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
WH	White Finish
BL	Black Finish
RED	Red Collar
ORA	Orange Collar
GRN	Green Collar

BLE	Blue Collar
OP	Opal Collar
LSF	Low Smoke Zero Halogen
Collar colours may be subject to minimum order quantity	



PRODUCT SPECIFICATION

ELEMENT



INTRODUCTION

The Element is suitable for suspended installation in both continuous run and standalone formats with bi directional output, 40% up, 60% down. This versatility is combined with a shallow body profile and glare compliant diffuser providing a sleek appearance and compliance with the glare regulations of BSEN 12464 for use in offices and schools.

The versatility of the Element is further enhanced with a wide range of lumen packages, optional integral sensors, wireless controls and all common dimming and lithium emergency variants. For simplicity of installation the Element Continuous Run is supplied complete with through wire cabling.

- CE
- IP20
- L90 / 60K OPERATING HOURS
- 3 STEP MACADAM ELLIPSE

APPLICATION

- Commercial / Offices
- Education
- Office

SPECIFICATION

CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Finish: Polyester powder painted RAL 9006 matt grey
- Finish: Polyester powder painted RAL 9005 matt black
- Diffuser: Combined 2mm high transmission opal polycarbonate TP(a) rated and 2mm microprism anti glare PMMA
- IP20

PERFORMANCE

- Part L2 compliant
- BSEN 12464-1:2011 3000 Candela 65° and UGR 19 compliance
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- Bi-Directional 40% up 60% down
- Up to 136 luminaire lumens per circuit Watt.

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive.
- 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 Integral R44 presence and daylight sensor
- 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 suspended installation
- Suitable for two point suspension
- Available with adjustable corners
- Through Wire variants are supplied with 6 pole 1.5mm loom
- Please note bi-directional variants use two drivers.

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

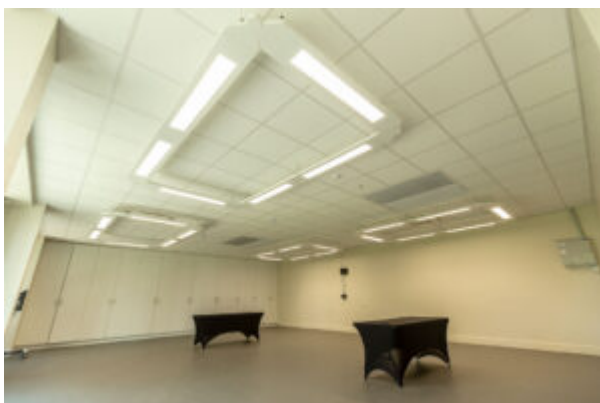


Element LED



Adjustable Corner

PROJECT IMAGES

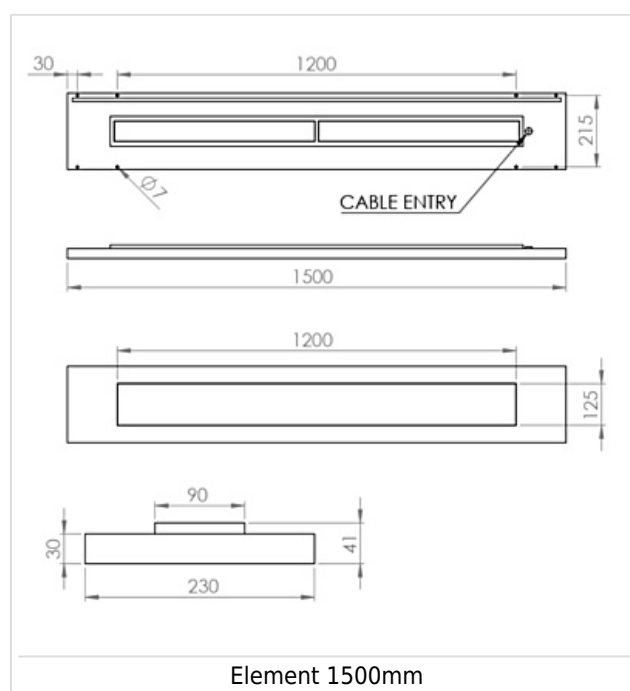
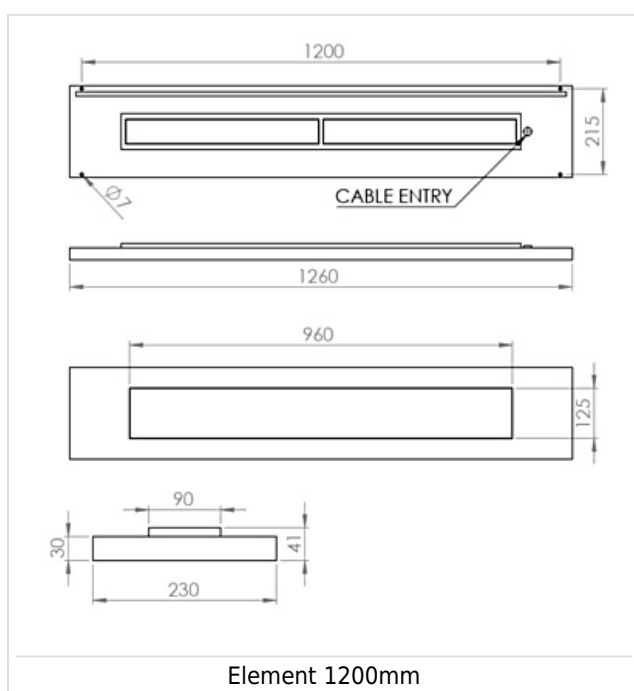


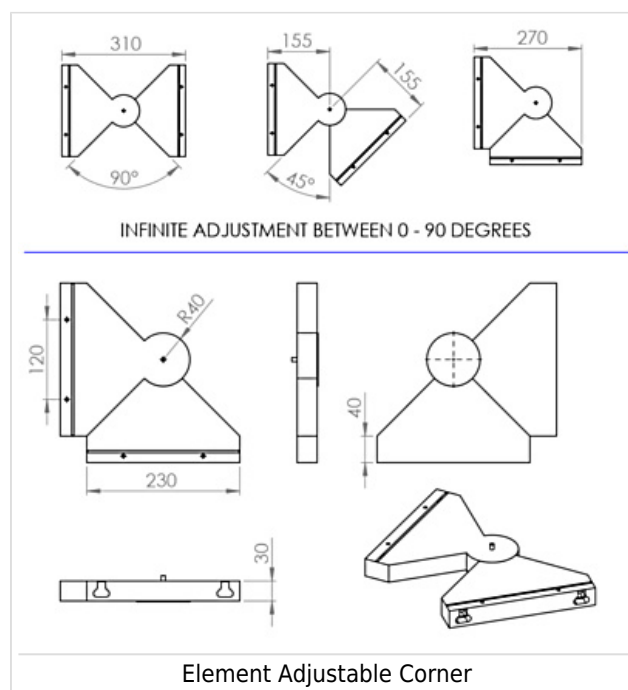
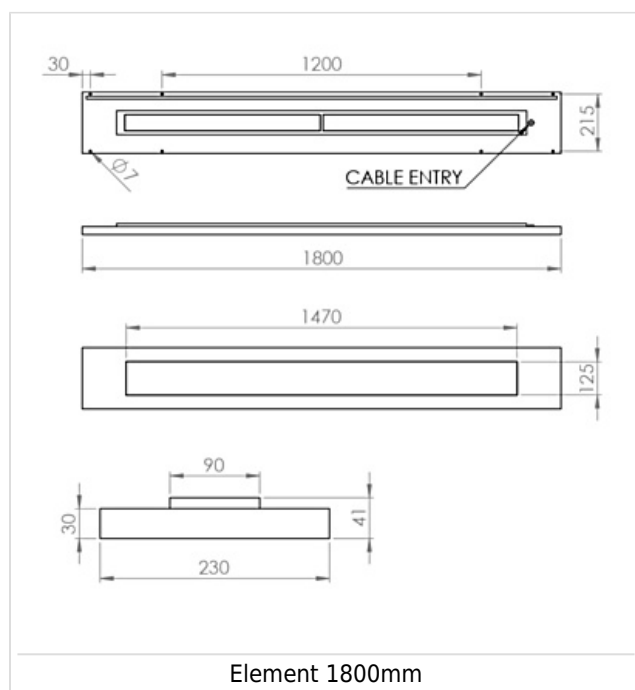


TECHNICAL

ELEMENT DESIGN CONSIDERATIONS

- Standalone versions supplied complete with 3M suspension kit.
- Suspension kits sold separately for continuous run versions.
- Autotest LA3 emergency and DALI Dimming will use common DALI BUS Cable. LA3 emergency can not be combined with other dimming types.
- Bi-Directional versions provide 60% down light and 40% up light.
- Bi-Directional variants use two drivers and therefore DALI variants require two addresses.
- Integral sensors are only available in the luminaire, one required per luminaire.
- 1200mm variants can not accommodate both integral emergency and integral sensor.





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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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.

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

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
Element Suspended Standalone			
Downlight			
ELL 12L30	Element, 1260mm, 2,262lm, Microprism, Colour 84	20.3W	111
ELL 15L37	Element, 1500mm, 2,901lm, Microprism, Colour 84	24.7W	118
ELL 18L45	Element, 1800mm, 3,488lm, Microprism, Colour 84	27.5W	126
Bi-Directional			
ELLBD 12L40	Element, 1260mm, 3,247lm, Microprism, Bi-Directional, Colour 84	26.3W	123
ELLBD 15L50	Element, 1500mm, 4,162lm, Microprism, Bi-Directional, Colour 84	31.4W	132
ELLBD 18L60	Element, 1800mm, 4,985lm, Microprism, Bi-Directional, Colour 84	36.4W	136
Element Suspended Continuous Run			
Downlight			
ELL 12L30 ST	Element Start, 1260mm, 2,262lm, Microprism, Colour 84	20.3W	111
ELL 12L30 TW	Element Through, 1260mm, 2,262lm, Microprism, Colour 84	20.3W	111
ELL 12L30 ER	Element End, 1260mm, 2,262lm, Microprism, Colour 84	20.3W	111
ELL 15L37 ST	Element Start, 1500mm, 2,901lm, Microprism, Colour 84	24.7W	118

ELL 15L37 TW	Element Through, 1500mm, 2,901lm, Microprism, Colour 84	24.7W	118
ELL 15L37 ER	Element End, 1500mm, 2,901lm, Microprism, Colour 84	24.7W	118
ELL 18L45 ST	Element Start, 1800mm, 3,488lm, Microprism, Colour 84	27.5W	126
ELL 18L45 TW	Element Through, 1800mm, 3,488lm, Microprism, Colour 84	27.5W	126
ELL 18L45 ER	Element End, 1800mm, 3,488lm, Microprism, Colour 84	27.5W	126

Bi-Directional

ELLBD 12L40 ST	Element Start, 1260mm, 3,247lm, Microprism, Bi-Directional, Colour 84	26.3W	123
ELLBD 12L40 TW	Element Through, 1260mm, 3,247lm, Microprism, Bi-Directional, Colour 84	26.3W	123
ELLBD 12L40 ER	Element End, 1260mm, 3,247lm, Microprism, Bi-Directional, Colour 84	26.3W	123
ELLBD 15L50 ST	Element Start, 1500mm, 4,162lm, Microprism, Bi-Directional, Colour 84	31.4W	132
ELLBD 15L50 TW	Element Through, 1500mm, 4,162lm, Microprism, Bi-Directional, Colour 84	34.1W	132
ELLBD 15L50 ER	Element End, 1500mm, 4,162lm, Microprism, Bi-Directional, Colour 84	34.1W	132
ELLBD 18L60 ST	Element Start, 1800mm, 4,985lm, Microprism, Bi-Directional, Colour 84	36.4W	136
ELLBD 18L60 TW	Element Through, 1800mm, 4,985lm, Microprism, Bi-Directional, Colour 84	36.4W	136
ELLBD 18L60 ER	Element End, 1800mm, 4,985lm, Microprism, Bi-Directional, Colour 84	36.4W	136

Please refer to the Element Design Consideration notes in the Technical section prior to placing your order.

DIMMING

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

Please refer to the Element Design Consideration notes in the Technical section prior to placing your order.

CONTROL

Code	Description
R44	Reacta 44, Presence & Daylight, 2.5-7M
RAS	Reacta-Air Bluetooth, Wireless, Presence & Daylight, 2.5-4M
RLI	Reacta-Link, Wireless Enabled Luminaire
RLS	Reacta-Link Wireless, Presence, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCS	Reacta-Control Wireless, Presence, Daylight, 2.5-4M

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

Please refer to the Element Design Consideration notes in the Technical section prior to placing your order.

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

Please refer to the Element Design Consideration notes in the Technical section prior to placing your order.

MISCELLANEOUS

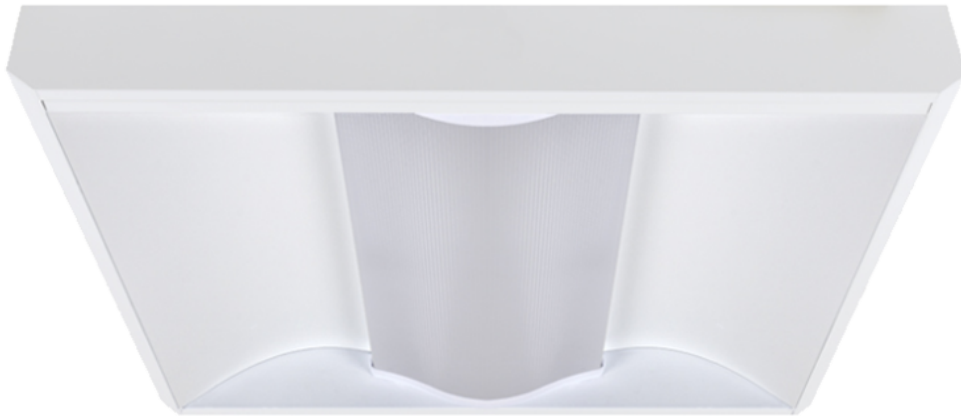
Code	Description
C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
BL	Black Finish
GY	Grey Finish
SUSP RBX SIR ELL 3M BF X2	3M Suspension Kit
LSF	Low Smoke Zero Halogen
ELL COR TW	Element Adjustable Through Wire Corner

ELL BLIND 1260 TW	Element Suspended Continuous Run, 1260mm, 6 pole through wire blind unit
ELL BLIND 1500 TW	Element Suspended Continuous Run, 1500mm, 6 pole through wire blind unit
ELL EC	Element End Cap (please specify one set per run of luminaires).
ELL JOINER	Element Joining Kit (Used mid run where new power feeds are required)



PRODUCT SPECIFICATION

GRADUATE SURFACE



INTRODUCTION

With a traditional gullwing design the Graduate Surface is a popular choice in office and academic applications but is equally well suited to ancillary and circulation areas. With a wide range of options including 600×600 and 1200×600 and recessed and linear variants the Graduate range is easily installed across entire projects regardless of ceiling type. This is complimented with a wide range of lumen outputs, dimming and white tunable options, integral sensors offering presence detection, daylight regulation and wireless grouping as well as integral lithium emergency. Wireless dimming and control can be offered with our Reacta-Dim system and Reacta-Link options are available where web based control and reporting of luminaires is required.

- CE
- IP20
- L90 / 60K OPERATING HOURS
- 3 STEP MACADAM ELLIPSE

APPLICATION

- Canteen
- Commercial / Offices
- Corridor
- Education
- Healthcare / Social Housing

- Hotel / Leisure
- Industrial / Manufacturing
- Office
- Retail
- Transport
- Warehouse / Storage

SPECIFICATION

CONSTRUCTION

- Housing: 0.7mm CR4 steel
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Diffuser: 3mm extruded high transmission opal prismatic polycarbonate TP(a) rated
- IP20

PERFORMANCE

- Part L2 compliant
- BSEN 12464-1:2011 3000 Candela 65° and UGR 19 compliance
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- Up to 140 luminaire lumens per circuit Watt.
- 2861lm and the 5722lm luminaire lumen variants fall below the 3000 candela limit and are suitable for use in offices and classrooms.

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive.
- 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 R25W wireless microwave presence and bright out sensor
- 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 with optional night light

IMAGES

PRODUCT IMAGES



Graduate Surface 600x600

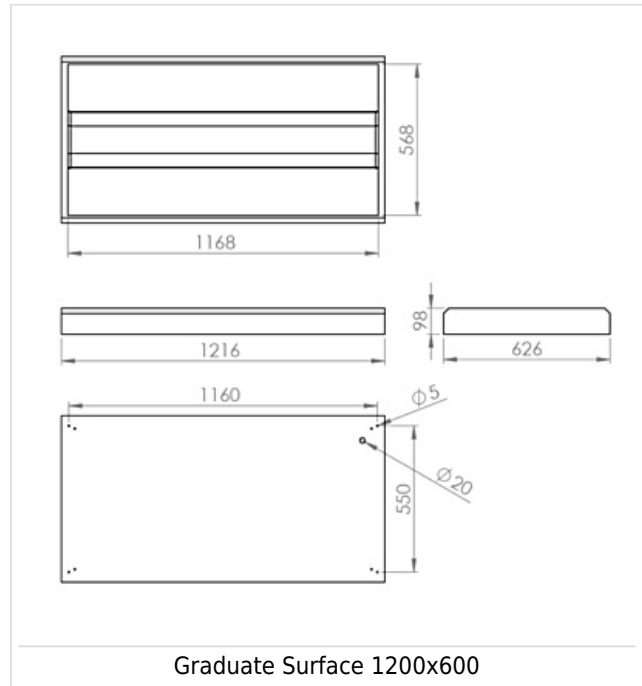
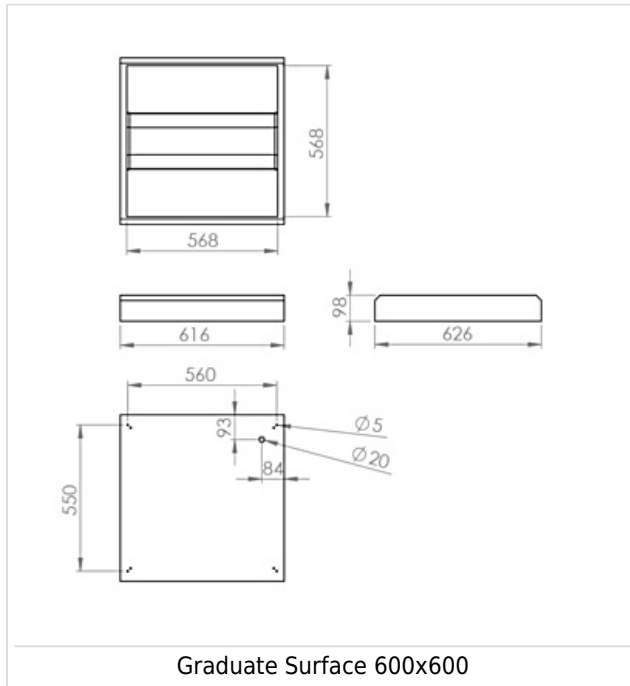


Graduate Surface Reacta-Air



Graduate Surface 1200x600

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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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.

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

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
GRDS L19 OPTPA	Graduate Surface, 600x600, 1,432lm, Opal Diffuser, Colour 84	12.8W	111
GRDS L24 OPTPA	Graduate Surface, 600x600, 1,789lm, Opal Diffuser, Colour 84	15.2W	117
GRDS L38 OPTPA	Graduate Surface, 600x600, 2,798lm Output, Opal Diffuser, Colour 84	23.4W	119
GRDS L48 OPTPA	Graduate Surface, 600x600, 3,546lm Output, Opal Diffuser, Colour 84	29.2W	121
GRDS L57 OPTPA	Graduate Surface, 600x600, 4,198lm Output, Opal Diffuser, Colour 84	31.6W	132
GRDS L76 OPTPA	Graduate Surface, 600x600, 5,619lm Output, Opal Diffuser, Colour 84	40.8W	137
GRDS 126 L38 OPTPA	Graduate Surface, 1200x600, 2,876lm Output, Opal Diffuser, Colour 84	22.6W	127
GRDS 126 L48 OPTPA	Graduate Surface, 1200x600, 3,642lm Output, Opal Diffuser, Colour 84	28.3W	128
GRDS 126 L76 OPTPA	Graduate Surface, 1200x600, 5,735lm Output, Opal Diffuser, Colour 84	41.4W	138
GRDS 126 L96 OPTPA	Graduate Surface, 1200x600, 7,001lm Output, Opal Diffuser, Colour 84	49.9W	140

DIMMING

Code	Description
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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
R25E	Reacta 25, Presence & Bright Out, On / Off, 2.5-4M
R25C*	Reacta 25, Presence & Bright Out, Bi-Level Dimming, 2.5-4M
R25W	Reacta 25, Wireless, Presence & Bright Out, Dimmable, 2.5-4M
R25WE	Reacta 25, Wireless, Presence & Bright Out, On / Off, 2.5-4M
RAS	Reacta-Air Bluetooth, Wireless, Presence & Daylight, 2.5-4M
RLI	Reacta-Link, Wireless Enabled Luminaire
RLM	Reacta-Link, Wireless, Presence, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCMC*	Reacta-Control, Presence & Bright Out, Bi-level Dimming, 2.5-4M
RCME	Reacta-Control, Presence & Bright Out, On / Off, 2.5-4M
Please click here for full details on our wireless controls.	

*Bi-Level Dimming will only dim the luminaire to 10% during absence and brightout, it will not turn the luminaire off.

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 50V, 110V or 230V when Ordering

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
LSF	Low Smoke Zero Halogen

MODLED Surface

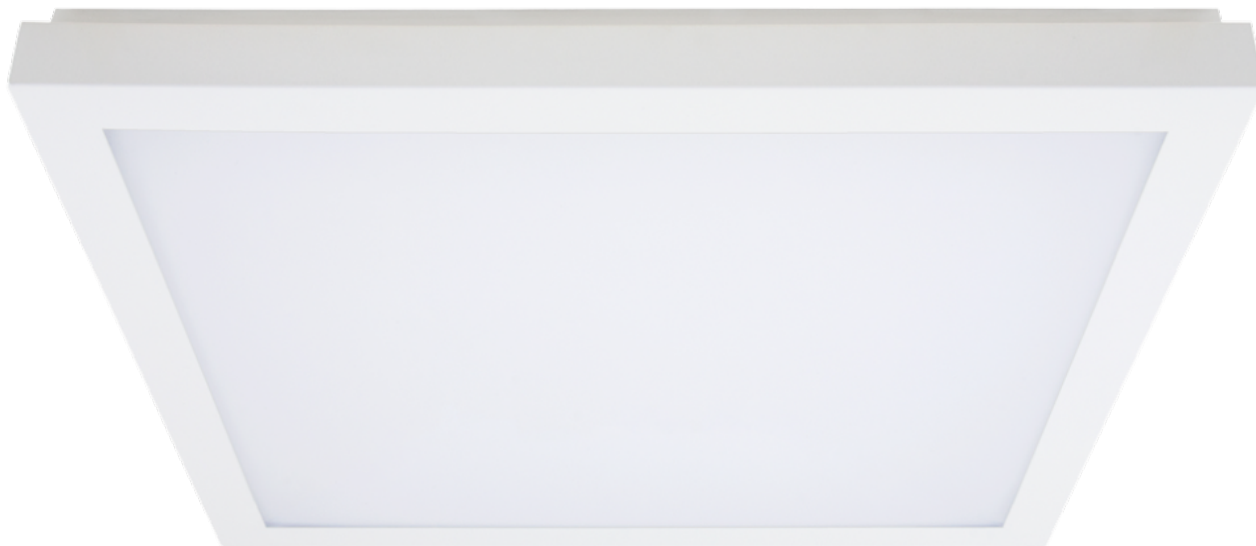
Product Specification



+44 (0)1747 858100

dextragroup.co.uk/dextra-lighting

Dextra
LIGHTING



INTRODUCTION

The Dextra MODLED Surface luminaire is designed to compliment Dextra's comprehensive fluorescent range of luminaires with an LED alternative to provide our customers with an energy efficient and low maintenance alternative to traditional sources. This range is available in a wide range of lumen outputs and sizes as well as having the ability to be surface mounted.

The combination of energy efficiency, flexibility and attractive minimalist design makes the MODLED Surface an excellent choice for installations where the client demands an appealing aesthetic with premium performance.

APPLICATION

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

- Transport
- Warehouse/Storage

SPECIFICATION

Construction

- Steel housing powder painted white.
- High transmission panel with up to 93% transmission and excellent diffusion for maximum efficiency and visual comfort.

Performance

- LOR up to 85%.
- Available in 3500, 4500 and 6800 lumen options in 600×600 luminaires.
- Although lumen packages will always remain the same, lumens per watt will only improve in line with developments in LED chip technology. This offers improved performance and greater efficiency. For further information about the current generation please contact the Dextra Technical team on 01747 858100.
- L2 compliant 60 Llm/w*.
- ECA compliant*.

*specific variants only

Control

- Available in HFR, DALI, Switch Dimming and DSI Dimming.

Emergency

- All variants of the MODLED can be offered with integral 3 hour emergency.

Installation

- Suitable for surface mounting to a wide range of ceiling types.

IMAGES

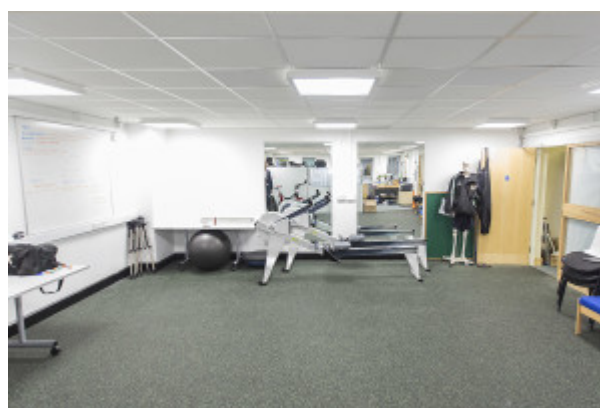
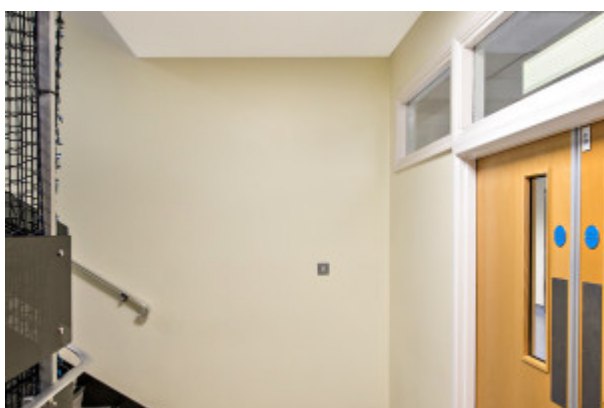
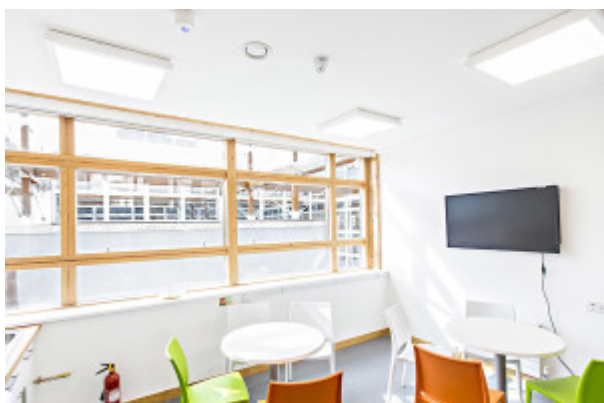
Product Images



MODLED Surface

PRODUCT SPECIFICATION

Project Images



WARRANTY

All Dextra products are supplied with a 12 month warranty for any defect that may occur with the product during this time. Any defect will either be repaired on site free of charge or the defective product may be replaced on a chargeable basis and credit given against defective product returned. The course of action taken will be at our discretion and dependent on the nature of the defect.

The control gear within our high frequency and LED luminaires is further underwritten by our suppliers for a period of up to 5 years in total from the time of purchase. This comprises labour and parts for the first 3 years and free of charge components only for the final 2 years.

PROTEC LED FR 8W GU10 variants and Emergency LED ranges are exempt from the 5 year warranty and are supplied with 1 year warranty only. PROTEC LED COB luminaires are supplied with a two year warranty for replacement luminaires only.

All warranties are subject to correct use of the product and will be invalidated by misuse, for example incorrect installation or unsuitable environmental conditions.

It is the duty of the customer to ensure that all relevant tests have been carried out prior to requesting site visits or replacement products, for example replacement of lamps, commissioning of sensors and inspection of external wiring. 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.

Consumable commodities such as lamps, starters and batteries are excluded from these warranty terms. Batteries are supplied with a twelve month warranty only.

5 year warranty on LED product ranges is subject to a maximum of 4000 operating hours per year and only applies where failures exceed the component manufacturers expected failure rate and lumen depreciation.

If you require any assistance with regards to our products please do not hesitate to contact our Customer Services department on 01747 858100.

ORDER CODES

Luminaire Codes

Code	Description	Circuit Wattage	Llm/w
MODS L35 C84	MODLED Surface, 600x600mm, 3500 Lumen, Colour 84*	23.5w	112
MODS L45 C84	MODLED Surface, 600x600mm, 4500 Lumen, Colour 84	30.4w	111
MODS L68 C84	MODLED Surface, 600x600mm, 6800 Lumen, Colour 84	45.0w	113
MODS 126 L70 C84	MODLED Surface, 1200x600mm, 7000 Lumen, Colour 84*	43.3w	121
MODS 126 L90 C84	MODLED Surface, 1200x600mm, 9000 Lumen, Colour 84	60.0w	113
MODS 126 L136 C84	MODLED Surface, 1200x600mm, 13600 Lumen, Colour 84	90.0w	113
MODS 123 L35 C84	MODLED Surface, 1200x300mm, 3500 Lumen, Colour 84*	23.5w	112
MODS 123 L45 C84	MODLED Surface, 1200x300mm, 4500 Lumen, Colour 84	30.4w	111
MODS 123 L68 C84	MODLED Surface, 1200x300mm, 6800 Lumen, Colour 84	45.0w	113
CON	Side entry for conduit installation		

Conduit Installation is provided with a deeper housing, please refer to the line diagrams

C83 option available on special request with specific lumen outputs

*Compliant with BSEN 12464 3000 candela limit.

Dimming & Lighting Gear

Code	Description
H	High Frequency Dimming (Analogue 1-10v)
S	Switch Dimming
A	Digital Addressable Lighting Interface (DALI)
D	Digital Dimming (DSI)
C	Bi-Level Dimming

Lighting Control

Code	Description
R24D	Reacta 24, DSI Variants Only

Emergency

Code	Description
E3	3 Hour Integral Emergency
ST3	Self Test
AT3	Autotest Emergency



PRODUCT SPECIFICATION

RUNWAY CONTINUOUS
SURFACE/SUSPENDED



INTRODUCTION

Where lighting must fulfil both architectural and practical purposes the Runway Continuous Surface Suspended provides a seamless appearance that can be infinitely reconfigured to dramatic effect. With an extruded slim line aluminium housing available in grey, black or white options the Runway can be either surface mounted or suspended in continuous runs combined with corner sections, a range of lengths and lumen outputs and with optional bi-directional distribution ensuring that you can create a layout that enhances any space creating an attractive environment for workers or to entice customers.

This flexibility is further enhanced with optional integral emergency, white tunable, dimming, integral sensors and two optic styles, a minimalist opal finish or microprism for glare compliance for use in office and school areas. The Runway also incorporates the latest mid power LEDs ensuring optimal energy efficiency with minimal need for maintenance over the course of its lifetime.

The Runway is also available in a wide range of variants including standalone, recessed and pendant cross or square shapes.

- CE
- IP20
- L90 / 60K OPERATING HOURS
- 3 STEP MACADAM ELLIPSE

APPLICATION

- Education
- Office
- Retail

SPECIFICATION

CONSTRUCTION

- Housing: High pressure die cast aluminium
- Finish: Polyester powder painted BS 00E55 matt white 60% gloss
- Finish: Polyester powder painted RAL 9006 matt grey
- Finish: Polyester powder painted RAL 9005 matt black
- Endcaps: High pressure die cast aluminium
- Diffuser: 2mm extruded high transmission opal polycarbonate
- Diffuser: Combined 2mm extruded clear polycarbonate and 2mm microprism anti glare PMMA
- IP20
- Supplied with 6 pole 1.5mm loom.
- Trunking supplied in 1500mm, 2000mm, or 3000mm lengths.
- Gear Trays available in 1000mm, 1500mm or 2000mm lengths.

PERFORMANCE

- Part L2 compliant
- BSEN 12464-1:2011 3000 Candela 65° and UGR 19 compliance
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- Up to 118 luminaire lumens per circuit Watt.

ENVIRONMENTAL

- Designed to allow simple replacement of components with commonly available tools in compliance with the Eco Design Directive.
- 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.

CONTROL

- Optional compatibility with a range of dimming systems including DALI, DSI and Switch Dimming
- Optional White tunable
- 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 suspended installation
- Suitable for surface installation
- Through Wire variants are supplied with 6 pole 1.5mm loom

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



Runway Grey



Runway Black

RUNWAY CONTINUOUS SURFACE/SUSPENDED

PRODUCT SPECIFICATION



Runway White



Runway Corner Grey



Runway Opal Diffuser

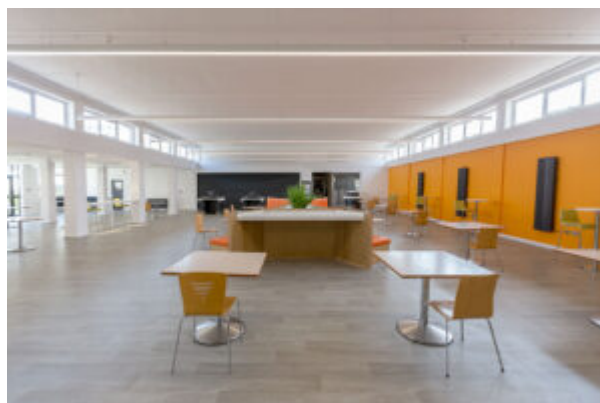
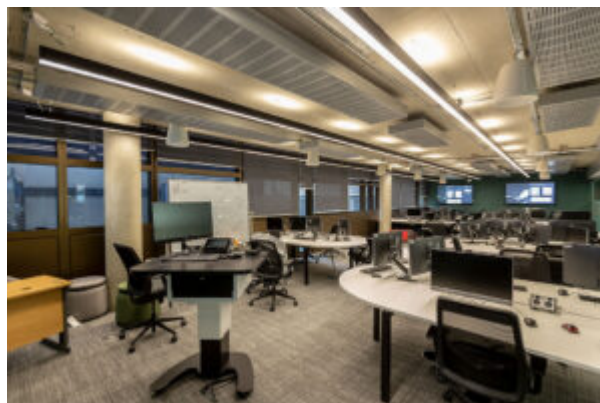
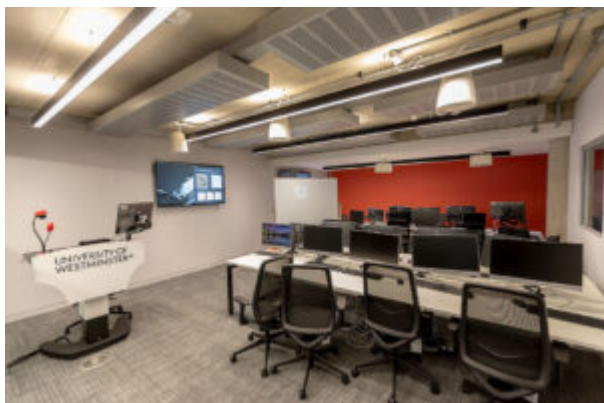


Runway Microprism Diffuser



Runway Grey Reacta-Air

PROJECT IMAGES



TECHNICAL

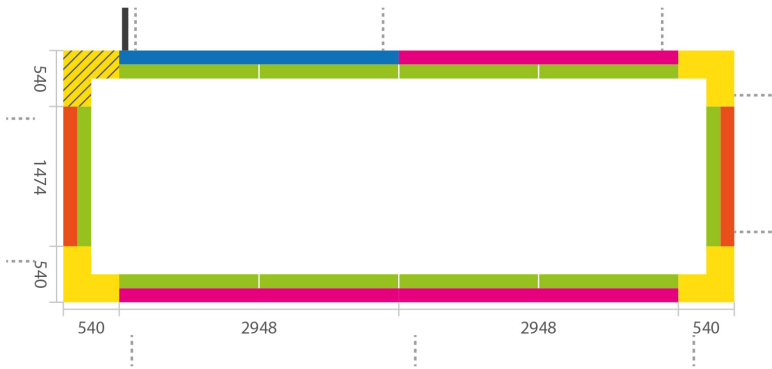
RUNWAY DESIGN CONSIDERATIONS

- Please ensure that all luminaires in a continuous run are selected from the same output group, low, medium or high, to ensure a consistent lit effect throughout the system.
- L14, L22 and L29 variants comply with BSEN 12464 3000 candela limit when used with MP diffuser.
- Bi-Directional is only available in 1500mm variants and should only be used when suspended.
- Autotest LA3 emergency and DALI Dimming will use common DALI BUS Cable. LA3 emergency can not be combined with other dimming types.
- White tunable variants come in non standard lumen outputs, please enquire for more details.
- Integral emergency is only available in 1500mm variants.
- Where luminaire lumen and lumen per watt figures are published these relate to the opal diffuser variants.
- Corners units are sold fully assembled with trunking and diffuser.
- Corners are handed and should not be used in configurations that require a reversal of direction, reversed corners are available on special request.
- Corners can not be used to form a square without intersecting trunking pieces.
- Please specify the optic type required with all orders.
- Infill sections require trunking to be ordered separately
- Please refer to the installation leaflet for full guidance on the number of suspension kits required depending on layout.

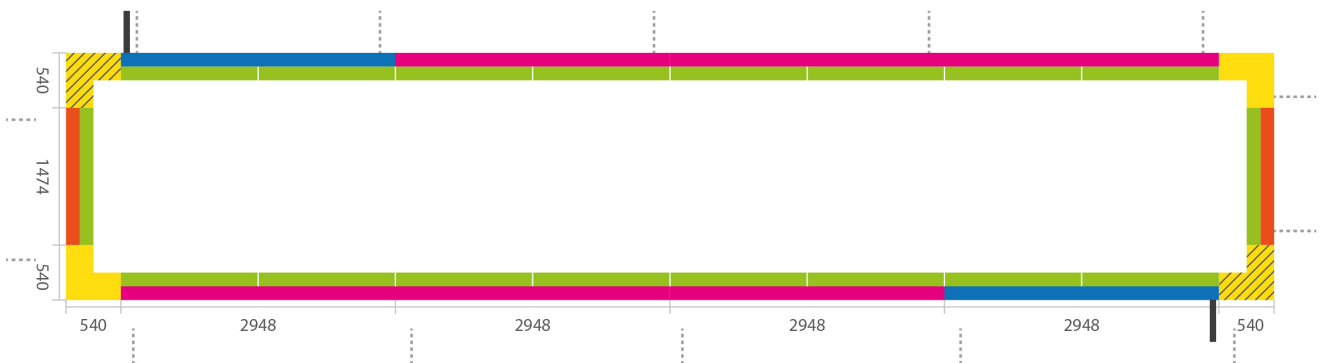
- Please order one pair of end caps per run of luminaires.
- All Bi-Directional versions provide 75% down light and 25% up light.
- Layouts shown below are viewed from below i.e. viewing into diffuser. Where reversed corners are required to achieve the desired configuration these are available on special request. Detailed information of the installation method will be required to ensure we provide the correct solution.
- Trunking is downlight only as standard, please ensure Bi-Directional trunking coded with a BD suffix is ordered where required to match Bi-Directional Gear Trays
- Emergency and Reacta-Air Sensor can not be combined in 1000mm versions.
- Runway 2000mm Bi-Directional variants incorporate wider spaces between up-light optics than 1500mm variants so care should be taken when they are mixed in the same area to ensure up-light distribution is even.
- Runway 2000mm is not suitable for use with other lengths of trunking, always use 2000mm trunking in conjunction with the 2000mm gear tray.

RUNWAY CONTINUOUS SURFACE/SUSPENDED

PRODUCT SPECIFICATION

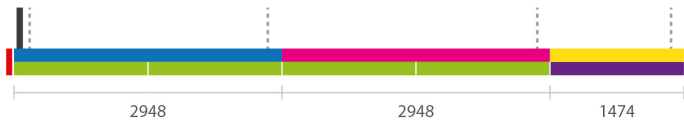


Note: For Diffusers:
Either 10 x RWY 1500 MP
or 10 x RWY 1500 OP

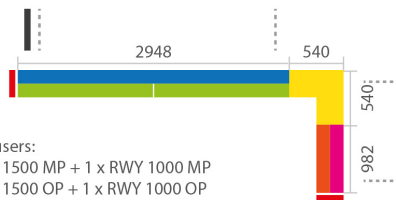


Note: For Diffusers:
Either 18 x RWY 1500 MP
or 18 x RWY 1500 OP

Note - This layout exceeds the maximum number of luminaires wired from a single power feed....
The position of additional feed is shown diagonally opposite.



Note: For Diffusers:
Either 5 x RWY 1500 MP
or 5 x RWY 1500 OP



Note: For Diffusers:
Either 2 x RWY 1500 MP + 1 x RWY 1000 MP
or 2 x RWY 1500 OP + 1 x RWY 1000 OP

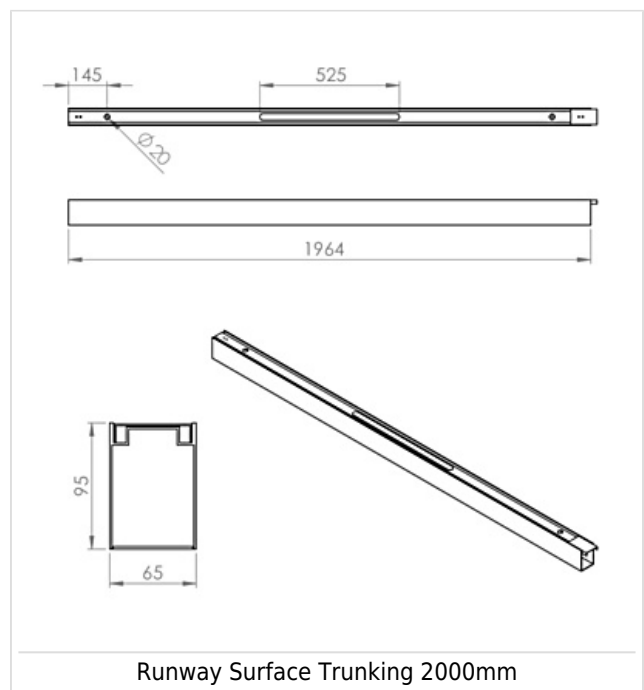
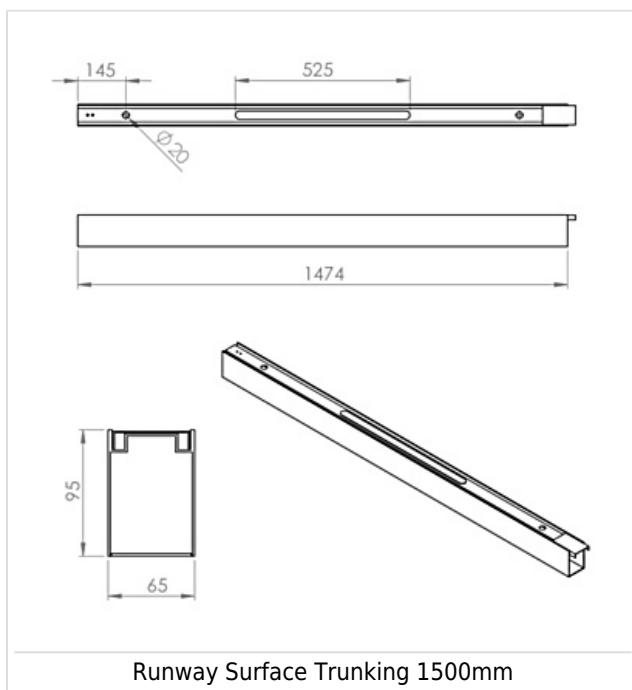
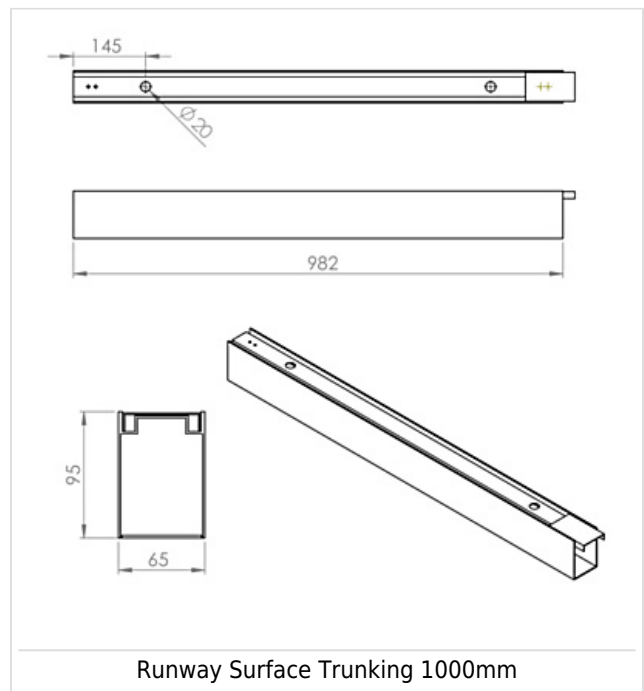
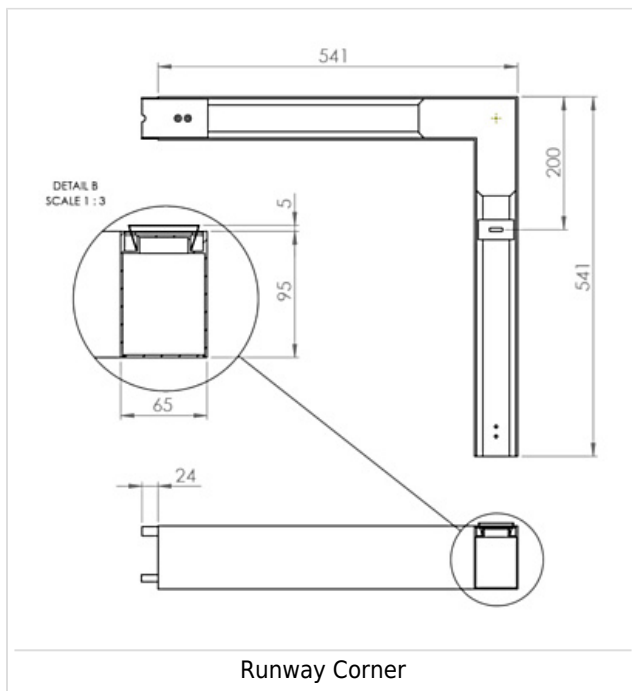
	RWY 3000 ST		RWY COR LXX
	RWY 3000 TW		RWY COR LXX ER
	RWY 1500 LXX TW		POWER FEED
	RWY 1500 LXX ER		RWY SUSP 3M or RWY SMK
	RWY 1500 TW		RWY EC 95
	RWY 1500 TW		
	RWY 1000 TW		
	RWY 1000 LXX ER		

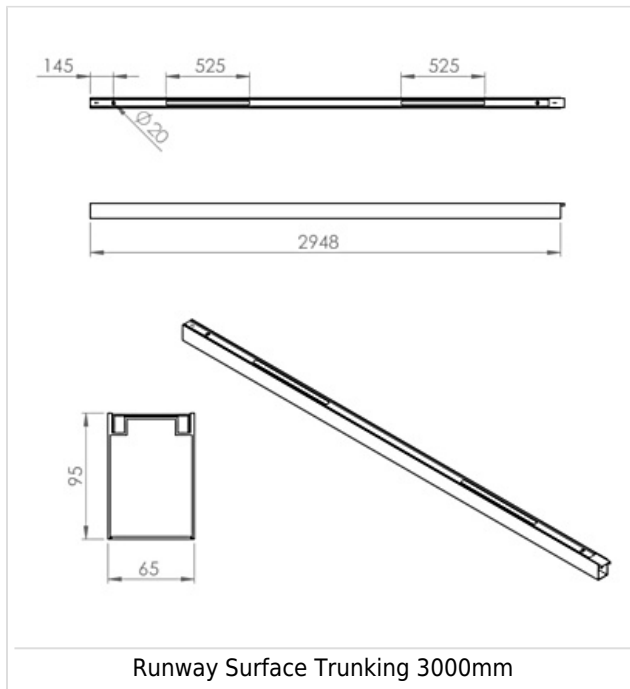
Limitations:

All corner sections supplied complete with gear tray and diffuser
One installation kit should be ordered as a minimum with all orders
Please note that bidirectional and emergency variants are only available on 1500mm sections

RUNWAY CONTINUOUS SURFACE/SUSPENDED

PRODUCT SPECIFICATION





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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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.

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

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
SURFACE/SUSPENDED CONTINUOUS RUN TRUNKING			
RWY 1000 ST	Runway Trunking 1000mm, Surface / Suspended, Downlight, Start,		
RWY 1000 TW	Runway Trunking 1000mm, Surface / Suspended, Downlight, Through Wire and End of Run		
RWY 1500 ST	Runway Trunking 1500mm, Surface / Suspended, Downlight, Start		
RWY 1500 TW	Runway Trunking 1500mm, Surface / Suspended, Downlight, Through Wire and End of Run		
RWY 2000 ST	Runway Trunking 2000mm, Surface / Suspended, Downlight, Start		
RWY 2000 TW	Runway Trunking 2000mm, Surface / Suspended, Downlight, Through Wire and End of Run		
RWY 3000 ST	Runway Trunking 3000mm, Surface / Suspended, Downlight, Start		
RWY 3000 TW	Runway Trunking 3000mm, Surface / Suspended, Downlight, Through Wire and End of Run		
RWY 1500 ST BD	Runway Trunking 1500mm, Surface / Suspended, Bi-Directional, Start		
RWY 1500 TW BD	Runway Trunking 1500mm, Surface / Suspended, Bi-Directional, Through Wire and End of Run		
RWY 2000 ST BD	Runway Trunking 2000mm, Surface / Suspended, Bi-Directional, Downlight, Start		
RWY 2000 TW BD	Runway Trunking 2000mm, Surface / Suspended, Bi-Directional, Downlight, Through Wire and End of Run		
RWY 3000 ST BD	Runway Trunking 3000mm, Surface / Suspended, Bi-Directional, Start		
RWY 3000 TW BD	Runway Trunking 3000mm, Surface / Suspended, Bi-Directional, Through Wire and End of Run		

CONTINUOUS RUN GEAR TRAY

RUNWAY CONTINUOUS SURFACE/SUSPENDED

PRODUCT SPECIFICATION

Low Output

RWY 1000 L14 TW	Runway Tray, 1000mm, 871llm, Through Wire, Colour 84	9.6W	91
RWY 1000 L14 ER	Runway Tray, 1000mm, 871llm, End of Run, Colour 84	9.6W	91
RWY 1500 L22 TW	Runway Tray, 1500mm, 1,519llm, Through Wire, Colour 84	13.9W	109
RWY 1500 L22 ER	Runway Tray, 1500mm, 1,519llm, End of Run, Colour 84	13.9W	109
RWY 1500 L29 TW BD	Runway Tray, 1500mm, 1,929llm, Through Wire, Bi-Directional, Colour 84	17.1W	113
RWY 1500 L29 ER BD	Runway Tray, 1500mm, 1,929llm, End of Run, Bi-Directional, Colour 84	17.1W	113
RWY 2000 L29 TW	Runway Tray, 2000mm, 2,146llm, Through Wire, Colour 84	17.1W	124
RWY 2000 L29 ER	Runway Tray, 2000mm, 2,146llm, End of Run, Colour 84	17.1W	124
RWY 2000 L38 TW BD	Runway Tray, 2000mm, 2,987llm, Through Wire, Bi-Directional, Colour 84	23.4W	128
RWY 2000 L38 ER BD	Runway Tray, 2000mm, 2,987llm, End of Run, Bi-Directional, Colour 84	23.4W	128
RWY COR L14 TW OP	Runway Corner 90°, 931llm, Opal, Through Wire, Colour 84	9.9W	94
RWY COR L14 ER OP	Runway Corner 90°, 931llm, Opal, End of Run, Colour 84	9.9W	94
RWY COR L14 TW MP	Runway Corner 90°, 868llm, Microprism, Through Wire, Colour 84	9.5W	91
RWY COR L14 ER MP	Runway Corner 90°, 868llm, Microprism, End of Run, Colour 84	9.5W	91

Medium Output

RWY 1000 L20 TW	Runway Tray, 1000mm, 1,331llm, Through Wire, Colour 84	13.2W	101
RWY 1000 L20 ER	Runway Tray, 1000mm, 1,331llm, End of Run, Colour 84	13.2W	101
RWY 1500 L30 TW	Runway Tray, 1500mm, 2,221llm, Through Wire, Colour 84	18.9W	118
RWY 1500 L30 ER	Runway Tray, 1500mm, 2,221llm, End of Run, Colour 84	18.9W	118
RWY 1500 L40 TW BD	Runway Tray, 1500mm, 2,829llm, Through Wire, Bi-Directional, Colour 84	24.5W	115
RWY 1500 L40 ER BD	Runway Tray, 1500mm, 2,829llm, End of Run, Bi-Directional, Colour 84	24.5W	115
RWY 2000 L40 TW	Runway Tray, 2000mm, 2,960llm, Through Wire, Colour 84	24.5W	121
RWY 2000 L40 ER	Runway Tray, 2000mm, 2,960llm, End of Run, Colour 84	24.5W	121
RWY 2000 L53 TW BD	Runway Tray, 2000mm, 3,906llm, Through Wire, Bi-Directional, Colour 84	30.7W	127
RWY 2000 L53 ER BD	Runway Tray, 2000mm, 3,906llm, End of Run, Bi-Directional, Colour 84	30.7W	127
RWY COR L20 TW OP	Runway Corner 90°, 1,330llm, Opal, Through Wire, Colour 84	13.6W	97
RWY COR L20 ER OP	Runway Corner 90°, 1,330llm, Opal, End of Run, Colour 84	13.6W	97
RWY COR L20 TW MP	Runway Corner 90°, 1,235llm, Microprism, Through Wire, Colour 84	13.6W	90
RWY COR L20 ER MP	Runway Corner 90°, 1,235llm, Microprism, End of Run, Colour 84	13.6W	90

High Output

RWY 1000 L30 TW	Runway Tray, 1000mm, 2,000llm, Through Wire, Colour 84	20.0W	100
RWY 1000 L30 ER	Runway Tray, 1000mm, 2,000llm, End of Run, Colour 84	20.0W	100
RWY 1500 L45 TW	Runway Tray, 1500mm, 3,331llm, Through Wire, Colour 84	27.3W	122
RWY 1500 L45 ER	Runway Tray, 1500mm, 3,331llm, End of Run, Colour 84	27.3W	122
RWY 1500 L60 TW BD	Runway Tray, 1500mm, 4,244llm, Through Wire, Bi-Directional, Colour 84	34.6W	123
RWY 1500 L60 ER BD	Runway Tray, 1500mm, 4,244llm, End of Run, Bi-Directional, Colour 84	34.6W	123
RWY 2000 L60 TW	Runway Tray, 2000mm, 4,440llm, Through Wire, Colour 84	34.6W	128
RWY 2000 L60 ER	Runway Tray, 2000mm, 4,440llm, End of Run, Colour 84	34.6W	128
RWY 2000 L80 TW BD	Runway Tray, 2000mm, 5,656llm, Through Wire, Bi-Directional, Colour 84	40.1W	141
RWY 2000 L80 ER BD	Runway Tray, 2000mm, 5,656llm, End of Run, Bi-Directional, Colour 84	40.1W	141
RWY COR L30 TW OP	Runway Corner 90°, 1,999llm, Opal, Through Wire, Colour 84	20.0W	100
RWY COR L30 ER OP	Runway Corner 90°, 1,999llm, Opal, End of Run, Colour 84	20.0W	100
RWY COR L30 TW MP	Runway Corner 90°, 1,857llm, Microprism, Through Wire, Colour 84	20.0W	93
RWY COR L30 ER MP	Runway Corner 90°, 1,857llm, Microprism, End of Run, Colour 84	20.0W	93

Very High Output

RWY 1500 L96 TW	Runway Tray, 1500mm, 7,104llm, Through Wire, Colour 84	54.4W	131
RWY 1500 L96 ER	Runway Tray, 1500mm, 7,104llm, End of Run, Colour 84	54.4W	131
RWY 1500 L127 BD TW	Runway Tray, 1500mm, 8,976llm, Through Wire, Bi-Directional, Colour 84	72.8W	123
RWY 1500 L127 BD ER	Runway Tray, 1500mm, 8,976llm, End of Run, Bi-Directional, Colour 84	72.8W	123

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order

OPTIC

Code	Description
RWY 1000 OP	Runway 1000mm Diffuser, Opal, for surface & suspended
RWY 1000 MP	Runway 1000mm Diffuser, Microprism, for surface & suspended
RWY 1000 R44 OP	Runway 1000mm Diffuser, R44 Sensor, Opal
RWY 1000 R44 MP	Runway 1000mm Diffuser, R44 Sensor, Microprism
RWY 1000 RAS OP	Runway 1000mm Diffuser, Reacta-Air Bluetooth, Opal
RWY 1000 RAS MP	Runway 1000mm Diffuser, Reacta-Air Bluetooth, Microprism
RWY 1000 INFILL TW	Runway 1000mm Infill, Through Wire
RWY 1500 OP	Runway 1500mm Diffuser, Opal, for surface & suspended
RWY 1500 MP	Runway 1500mm Diffuser, Microprism, for surface & suspended
RWY 1500 R44 OP	Runway 1500mm Diffuser, R44 Sensor, Opal
RWY 1500 R44 MP	Runway 1500mm Diffuser, R44 Sensor, Microprism
RWY 1500 RAS OP	Runway 1500mm Diffuser, Reacta-Air Bluetooth, Opal
RWY 1500 RAS MP	Runway 1500mm Diffuser, Reacta-Air Bluetooth, Microprism
RWY 1500 INFILL TW	Runway 1500mm Infill, Through Wire
RWY 2000 OP	Runway 2000mm Diffuser, Opal, for surface & suspended
RWY 2000 MP	Runway 2000mm Diffuser, Microprism, for surface & suspended
RWY 2000 R44 OP	Runway 2000mm Diffuser, R44 Sensor, Opal
RWY 2000 R44 MP	Runway 2000mm Diffuser, R44 Sensor, Microprism
RWY 2000 RAS OP	Runway 2000mm Diffuser, Reacta-Air Bluetooth, Opal
RWY 2000 RAS MP	Runway 2000mm Diffuser, Reacta-Air Bluetooth, Microprism
RWY 2000 INFILL TW	Runway 2000mm Infill, Through Wire

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

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.

Analogue dimming only available in L18 variants

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

CONTROL

Code	Description
R44	Reacta 44, Presence & Daylight, 2.5-7M
RAS	Reacta-Air Bluetooth, Wireless, Presence & Daylight, 2.5-4M
RLI	Reacta-Link, Wireless Enabled Luminaire
RLS	Reacta-Link Wireless, Presence, 2.5-4M
RC	Reacta-Control, Wireless Enabled Luminaire
RCS	Reacta-Control Wireless, Presence, Daylight, 2.5-4M

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

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

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
WH	White Finish
BL	Black Finish
GY	Grey Finish
RWY SMK	Runway Surface Mount Kit
SUSP RWY 3M BF X1	Runway 3M suspension Kit One Drop
RWY INSTALL KIT	Runway Installation Kit
RWY EC 95	Runway End Cap (Pair)
LSF	Low Smoke Zero Halogen

Please refer to the Runway Design Consideration notes in the Technical section prior to placing your order.



PRODUCT SPECIFICATION

TYPHON



INTRODUCTION

The Typhon is a robust and durable IP65 luminaire suitable for a wide range of industrial and commercial applications where protection against water and dust ingress and light impact is critical.

Manufactured with a glass reinforced polyester housing and supplied with stainless steel clips as standard, the Typhon offers excellent chemical resistance, whilst the polycarbonate diffuser ensures resilience against accidental impacts. The Typhon is supplied complete with snap on mounting clips for the luminaire rear providing both suspension and surface mounting points without the need to drill the luminaire housing, whilst the gear tray is mounted via spring release clips ensuring installation and ongoing maintenance can be undertaken quickly and simply.

The Typhon is available in both 1200mm and 1500mm variants in two housing widths and is suitable for use in temperatures ranging from -20°C to +25°C. All common dimming and lithium emergency variants are available as well as a wide range of lumen outputs. Wireless dimming and control can be offered with our Reacta-Dim system and Reacta-Link options are also available where web based control and reporting of luminaires is required.

- CE
 - IP65
 - IP66
 - L90 / 60K OPERATING HOURS
 - 3 STEP MACADAM ELLIPSE
-

APPLICATION

- Corridor
- Exterior
- Food / Clean Area
- Healthcare / Social Housing
- Hotel / Leisure
- Industrial / Manufacturing
- Parking / Exterior
- Retail
- Stairwell
- Store Room
- Transport
- Warehouse / Storage

SPECIFICATION

CONSTRUCTION

- Housing: Injection moulded glass reinforced polyester
- Finish: Matt grey
- Diffuser: Injection moulded high transmission opal polycarbonate
- IP65

PERFORMANCE

- Part L2 compliant
- 3SCDM Three step Macadams ellipse
- TM21: L90 at 60,000 operating hours
- 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.
- 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 suspended installation
- Suitable for trunking installation
- Suitable for conduit installation
- Suitable for surface installation
- Suitable for external use when protected under canopy.

VARIATIONS

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

IMAGES

PRODUCT IMAGES



Typhon Single 1200mm



Typhon Twin 1500mm



Typhon Single 1500mm



Typhon Single 1500mm Rear

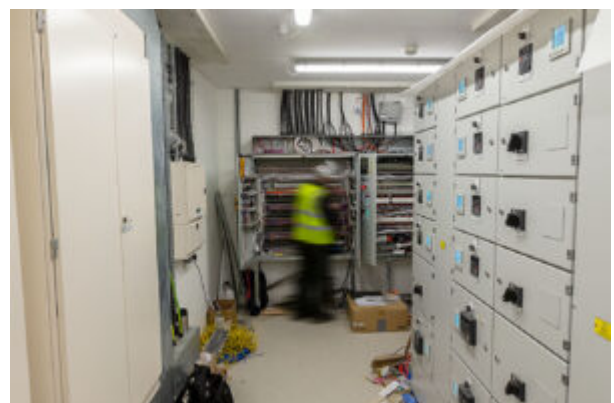
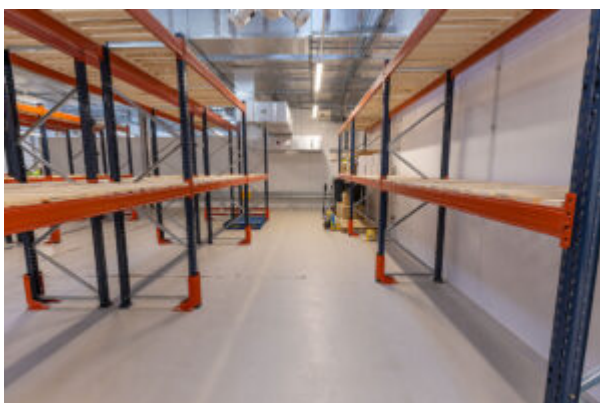


Typhon Bracket

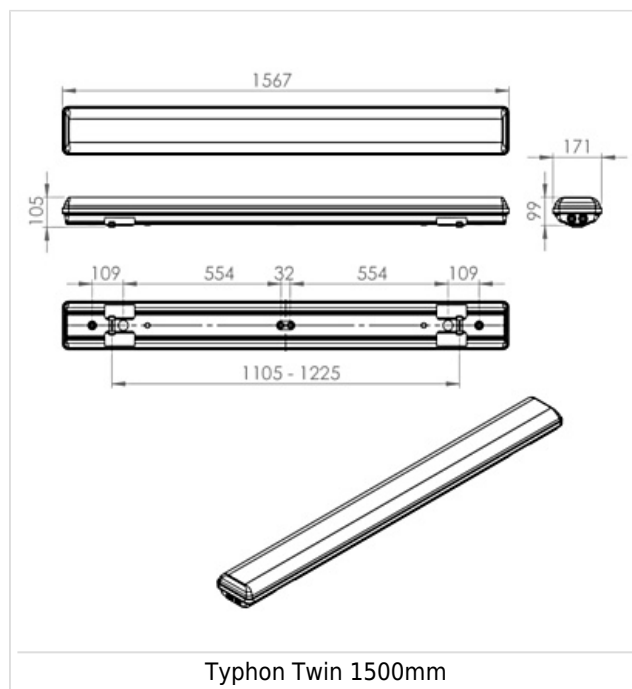
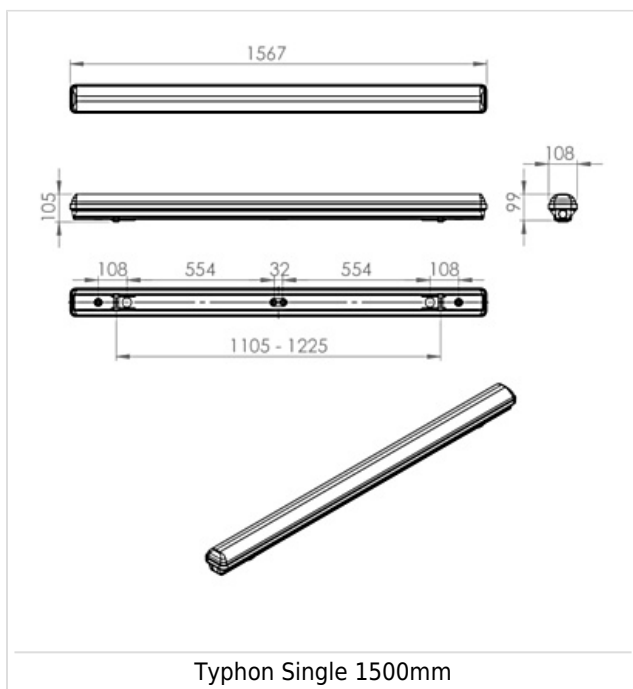
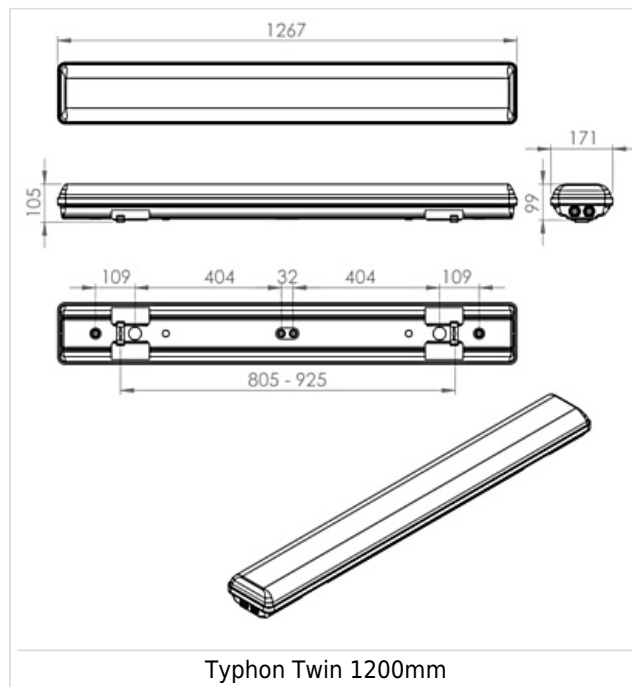
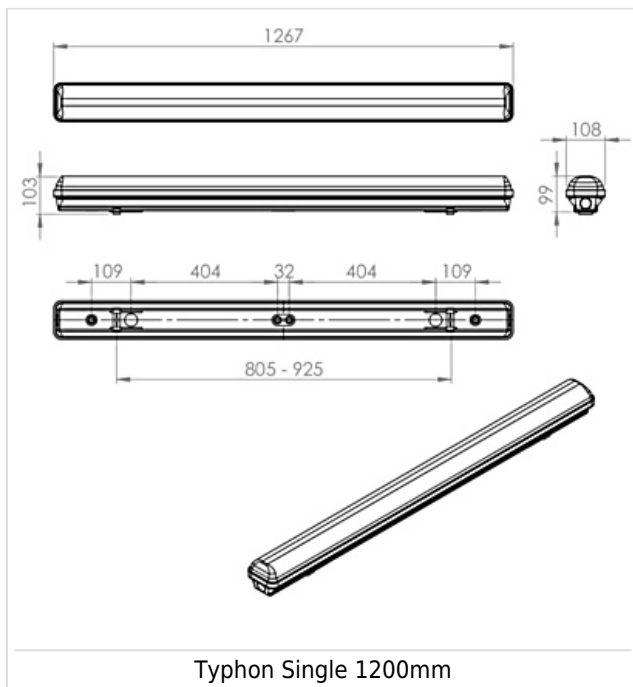


Typhon Suspension

PROJECT IMAGES



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 three year warranty for parts and labour. 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 with Nickel Metal Hydride batteries are supplied with a one year warranty for parts and labour. Lithium variants of these ranges are supplied with a three year warranty for parts and labour with the exception of the AME2, EXI3, HBE3 and TWS IP65 L7 ranges which are supplied with a one year parts and labour warranty. TWS IP65 L7 in autotest and wireless variants are supplied with the standard three year lithium battery warranty.
- 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 and the MOD RGBW. These three 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.

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.

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

[DOWNLOAD WARRANTY PDF](#)

ORDER CODES

LUMINAIRE

Code	Description	Power	Llm/W
TYP L26 PC 4S	Typhon, 1200mm, 2,236llm, Polycarbonate Diffuser, Single, Colour 84	16.0W	140
TYP L38 PC 4S	Typhon, 1200mm, 3,268llm, Polycarbonate Diffuser, Single, Colour 84	23.8W	137
TYP L87 PC 4T	Typhon, 1200mm, 7,343llm, Polycarbonate Diffuser, Twin, Colour 84	52.7W	139
TYP L35 PC 5S	Typhon, 1500mm, 3,010llm, Polycarbonate Diffuser, Single, Colour 84	22.2W	136
TYP L45 PC 5S	Typhon, 1500mm, 3,870llm, Polycarbonate Diffuser, Single, Colour 84	26.4W	146
TYP L54 PC 5S	Typhon, 1500mm, 4,644llm, Polycarbonate Diffuser, Single, Colour 84	33.4W	139
TYP L63 PC 5S	Typhon, 1500mm, 5,418llm, Polycarbonate Diffuser, Single, Colour 84	39.6W	137
TYP L80 PC 5S	Typhon, 1500mm, 6,880llm, Polycarbonate Diffuser, Single, Colour 84	47.7W	144
TYP L96 PC 5S	Typhon, 1500mm, 8,256llm, Polycarbonate Diffuser, Single, Colour 84	53.0W	156
TYP L120 PC 5S	Typhon, 1500mm, 10,320llm, Polycarbonate Diffuser, Single, Colour 84	70.1W	147
TYP L132 PC 5T	Typhon, 1500mm, 11,147llm, Polycarbonate Diffuser, Twin, Colour 84	78.5W	142
TYP L160 PC 5T	Typhon, 1500mm, 13,842llm, Polycarbonate Diffuser, Twin, Colour 84	84.4W	164
TYP L200 PC 5T	Typhon, 1500mm, 16,880llm, Polycarbonate Diffuser, Twin, Colour 84	107.9W	156

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
RC	Reacta-Control, Wireless Enabled Luminaire

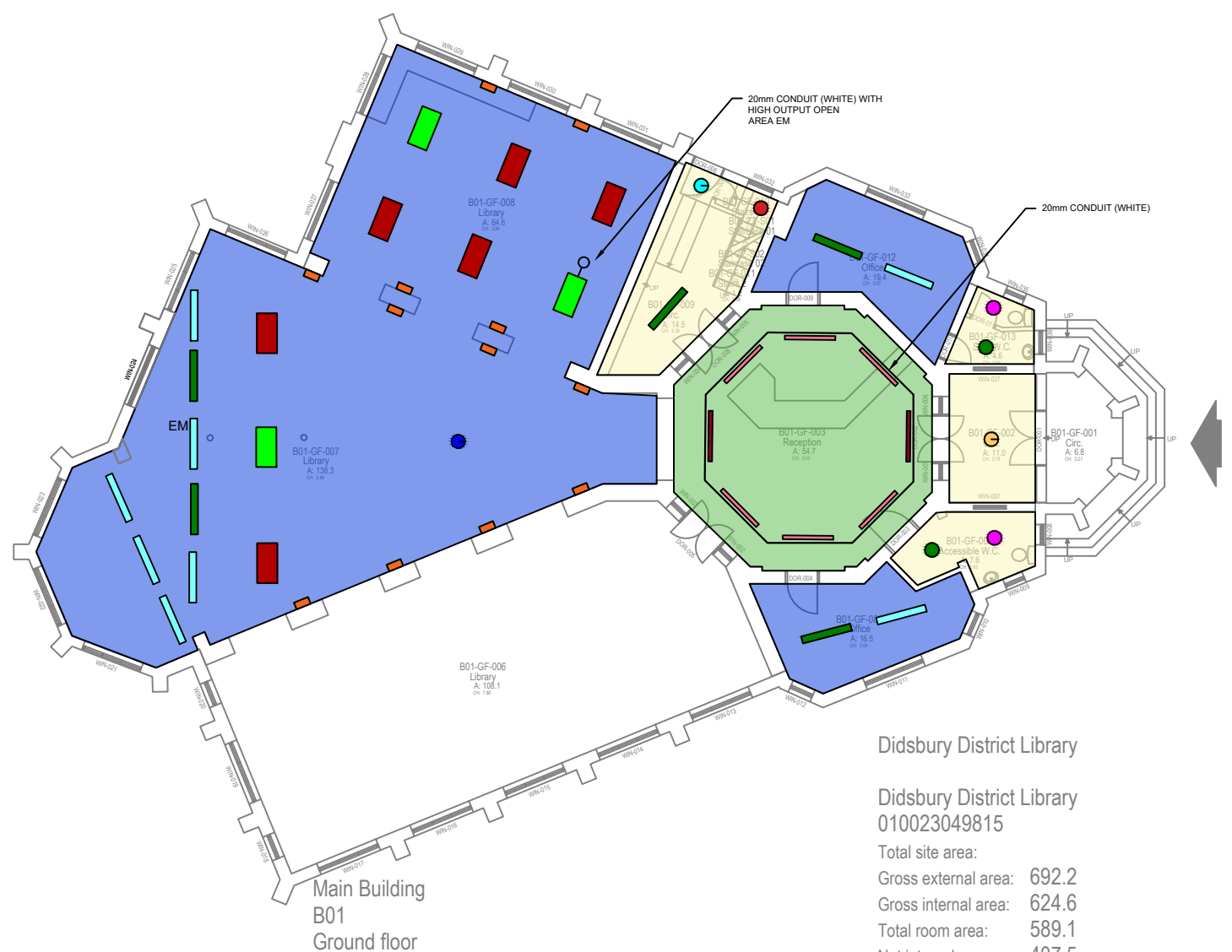
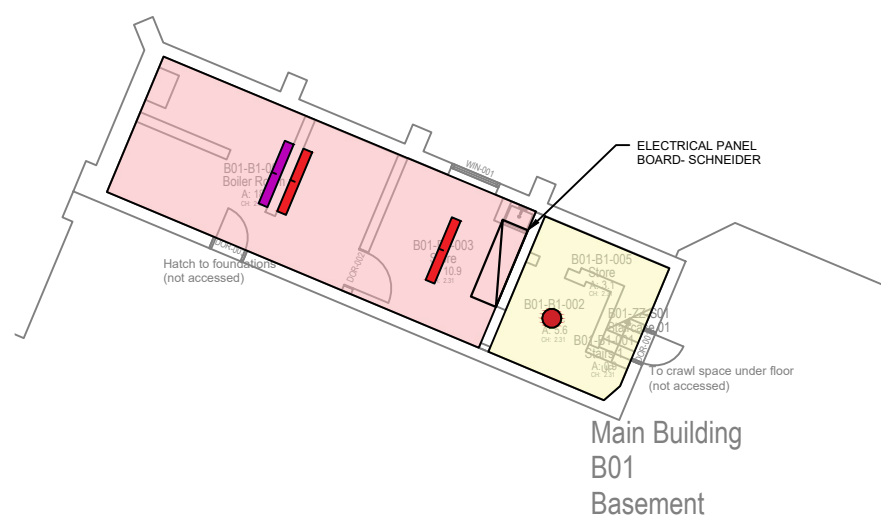
EMERGENCY

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 50V, 110V or 230V when Ordering

L120 and L200 variant are not available with emergency.

MISCELLANEOUS

Code	Description
C**	Select Colour Temperature and Rendering; C83, C84, C85, C865, C93, C94
LSF	Low Smoke Zero Halogen



Gross external area:	692.2
Gross internal area:	624.6
Total room area:	589.1
Net internal area:	407.5
Building footprint area:	565.6

 Dextra Amenity Decorative Halo Surface Mounted LED Luminaire - IP40 - 9.7W - 1189lm

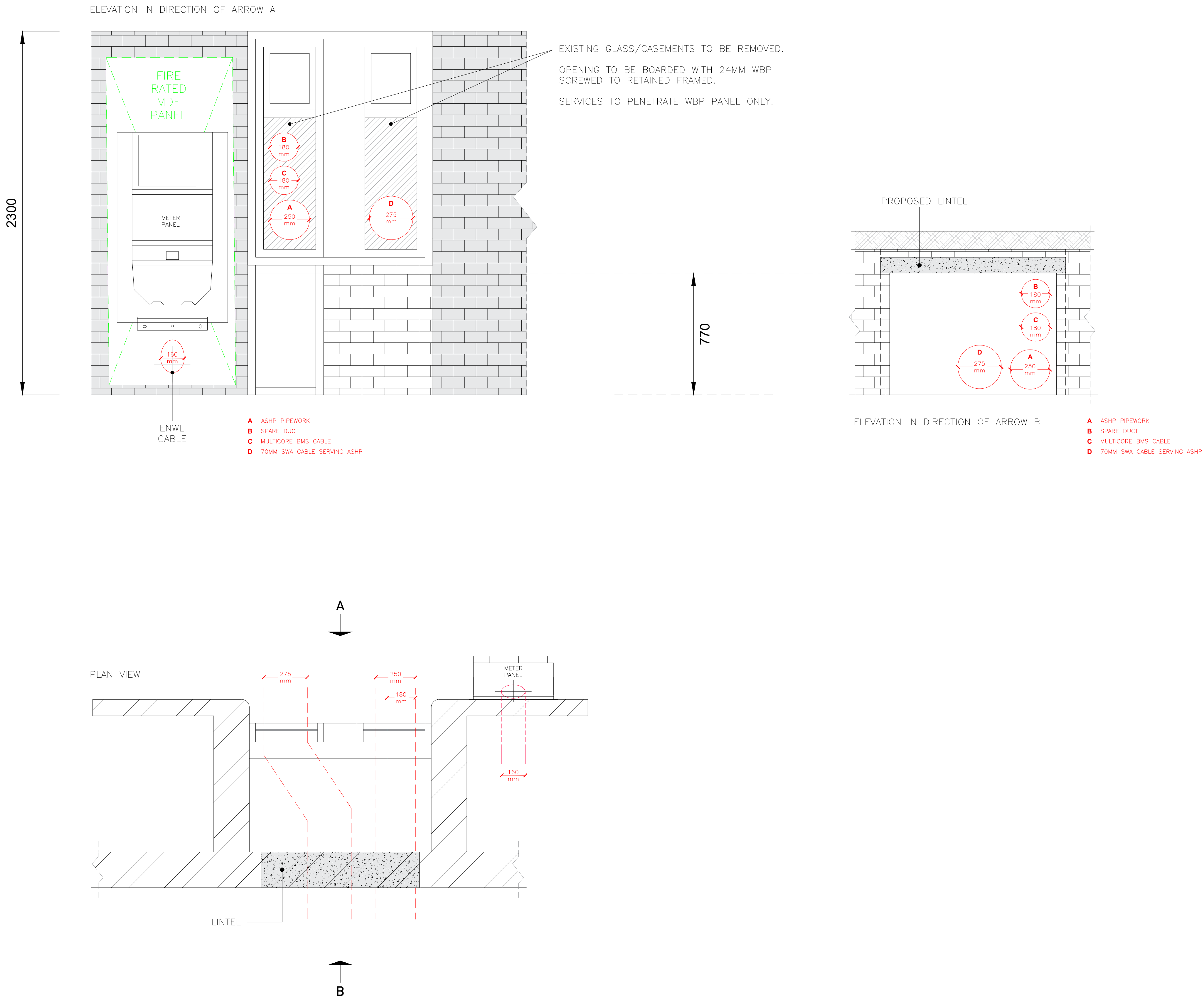
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TITLE: LIGHTING & EMERGENCY LIGHTING UPGRADE			
SCALE AT A3: NTS	DATE: JUN23	DRAWN: PS	CHECKED: DCB
PROJECT NO: J-24045	DRAWING NO: E02		REVISION: 1

Appendix E

ENWL Cable Route & Penetration

1 PROPOSED INCOMING DUCTS AND PIPEWORK LOCATIONS

SCALED @ 1:20



DO NOT SCALE OFF THIS DRAWING

ONLY DIMENSIONS ARE TO BE USED FROM THIS DRAWING
ALL CONTRACTORS MUST VISIT THE SITE AND BE RESPONSIBLE FOR TAKING
AND CHECKING ALL DIMENSIONS RELATIVE TO THEIR WORK

NOTES

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D	DRAWING UPDATED	07.08.2023
C	DRAWING UPDATED	07.08.2023
B	DRAWING UPDATED	02.08.2023
A	DRAWING UPDATED	02.08.2023
REVISION	DESCRIPTION	DATE

FOR APPROVAL

CLIENT
DIDSBURY LIBRARY

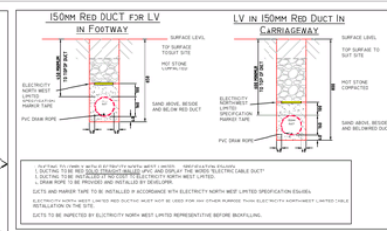
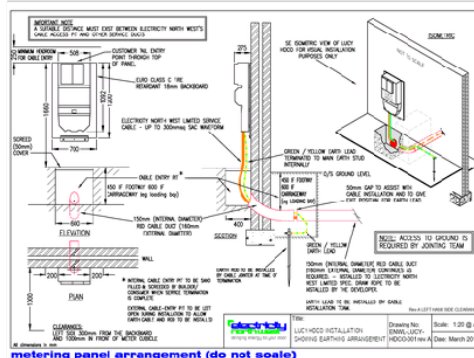
PROJECT

DRAWING TITLE
PROPOSED INCOMING DUCTS AND PIPEWORK LOCATIONS

PROJECT NO.	3348	DATED	07.08.2023
DRAWN BY	SJ	SCALE	1:20 @ A2
DRAWING NO.	3348.01	REVISION	D



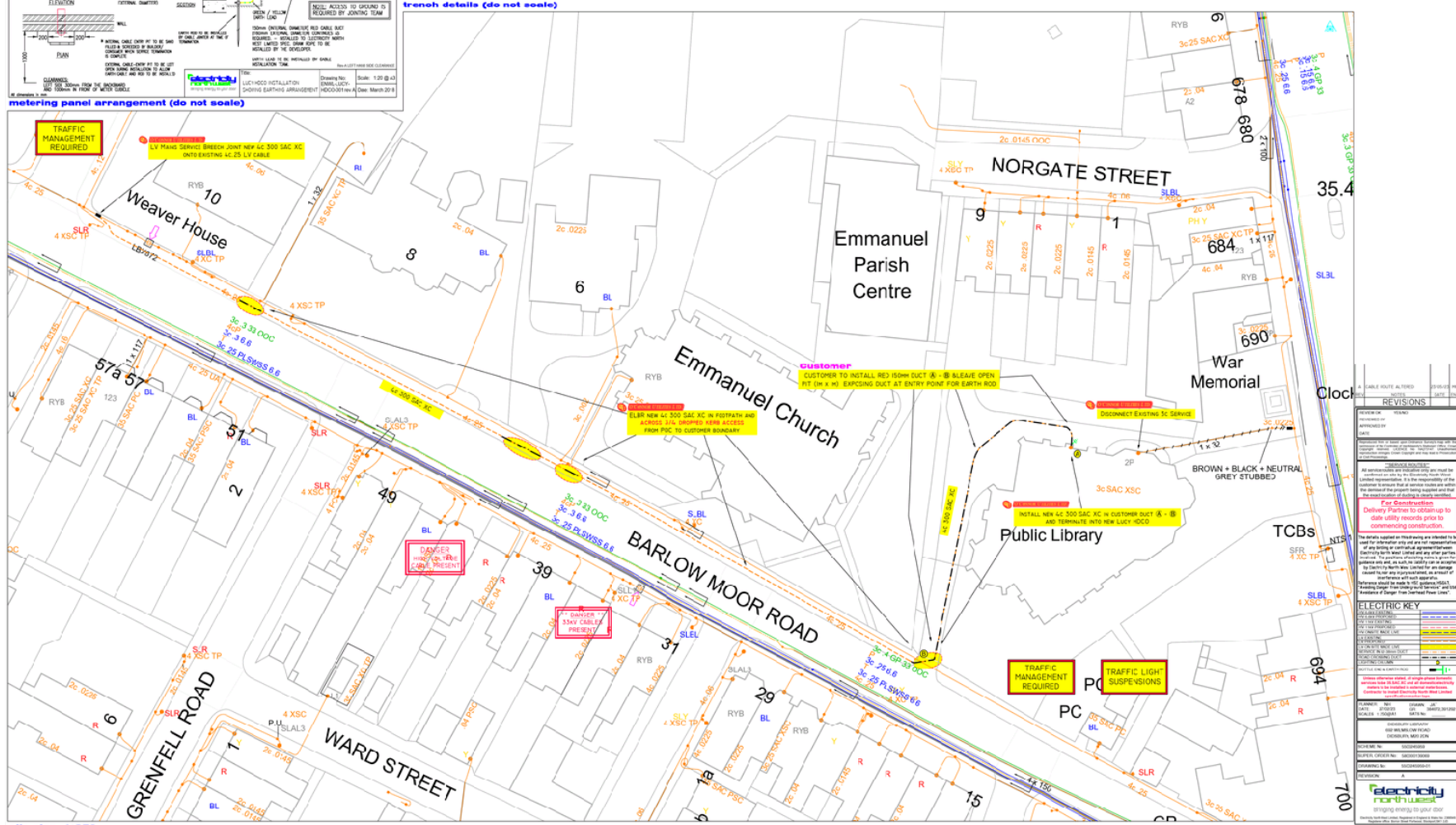
10 WESTSIDE INDUSTRIAL ESTATE, JACKSON STREET
SAINT HELENS, MERSEYSIDE, WA9 3AT



DISCONNECTIONS: Test the cable for load prior to disconnecting - contact ENWL, prior to disconnecting if load is present - where possible look to identify source, carry out visual checks for street lighting, feeder pillars etc which may be connected to the cable

DISCONNECTIONS: Test the cable for load prior to disconnecting - contact ENWL, prior to disconnecting if load is present - where possible look to identify source, carry out visual checks for street lighting, feeder pillars etc which may be connected to the cable

SITE SPECIFIC HAZARDS:



REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR TENDER
2	REVISED TO REFLECT COMMENTS FROM ENWL
3	REVISED TO REFLECT COMMENTS FROM ENWL
4	REVISED TO REFLECT COMMENTS FROM ENWL
5	REVISED TO REFLECT COMMENTS FROM ENWL
6	REVISED TO REFLECT COMMENTS FROM ENWL
7	REVISED TO REFLECT COMMENTS FROM ENWL
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