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TECHNICAL SUBMITTAL – No11
External Lighting
Document Ref: 63073-ABE-ZZ-XX-TS-E-0011

Project:	Echo St		
A&B Contract No:	8889	Date:	24.03.2026
Engineers:	Jordan Thompson		Rev.C04 Updated inline with comments

Proposal:

Please refer to layouts and supporting calculations for positions.



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External Lighting Schedule – Echo Street

Ref	Description	Manufacturer	Image
L1	Existing Lighting Column to be replaced with Manchester city council standard	-	-
L2	Architectural Wall mounted Luminaire 2x14.7W LED 2x2345 Lumens 3000K Bronze Finish	Ghidini & Lucitalia MODO GH1013.ECFT400EN	

L4	Tree Uplighter 1x8.7W LED 520 Lumens 3000K Dark Grey Finish	Robus Hawfinch RHF0730	
L5.1 & L5.2	Feature LED Extrusion to suit landscape furniture 3000K	Integrity / Project LED	 

L6	Walkway recessed luminaire 1x5.8WW LED 506Luments 3000K RAL 7016 30% gloss (anthracite grey), Finish	Iguzzini Walky	
L7	Feature Festoon Lighting on Poles by others. String Max Wattage 1500W 3000K Large Filament Option Lamp	Display Pro Festoon	
L8	Uplighter 1x7.5W LED 380 Lumens 3000K Stainless Steel Finish	Robus Kinglet RKG0730SS-13	

L9	Fairy Lights LED Warm White 3000K 3.5W 5/10m to suit tree	ConnectPro	
EX1	Surface LED IP65 Emergency Bulkhead 1x3W LED Ra80 White Finish	Aurora EN-EMBH	

EX1A	Semi-Recessed LED IP65 Emergency Bulkhead 1x1.3W LED Ra80 Black Finish	Ansell AFW/1/B/3NM/ST	
EX1B	Standalone Recessed Emergency Luminaire 3W (LED) 6500K IP65 Rated Black Finish	Ringtail X-MRD3	

Standard Finishes

● .05 Anthracite grey (matt)

● .19 Light grey (matt)

Finishes On Request

● .01 White matt (std price)

● .02 Black matt (std price)

● .45 Corten matt (std price)

● .26 Bronze (std price)

● .62 Antique grey matt (std price)

● .65 Blue matt (std price)

● .80 Sand matt (std price)

● .83 Green matt (std price)

AccessoriesDALI Optional
ED-25**Lighting Designer Approval**Type: _____ Code: GH1013.ECFT400EN
1013.GUX.T

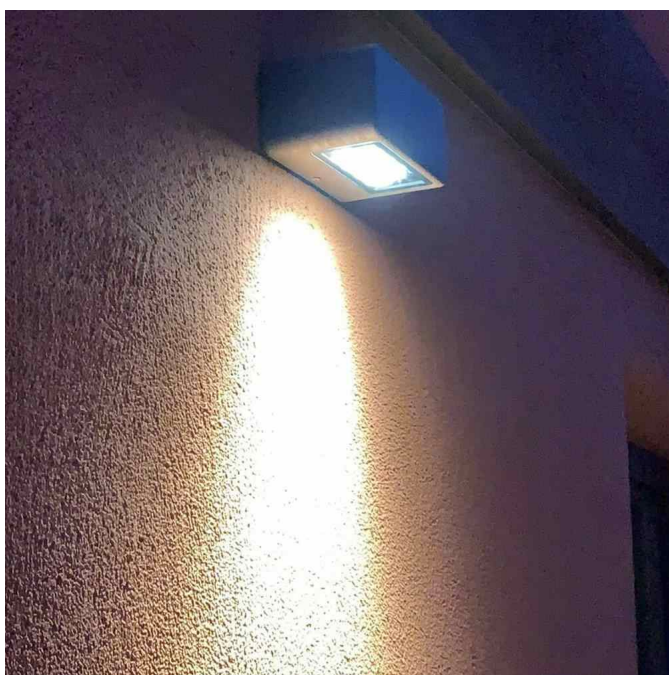
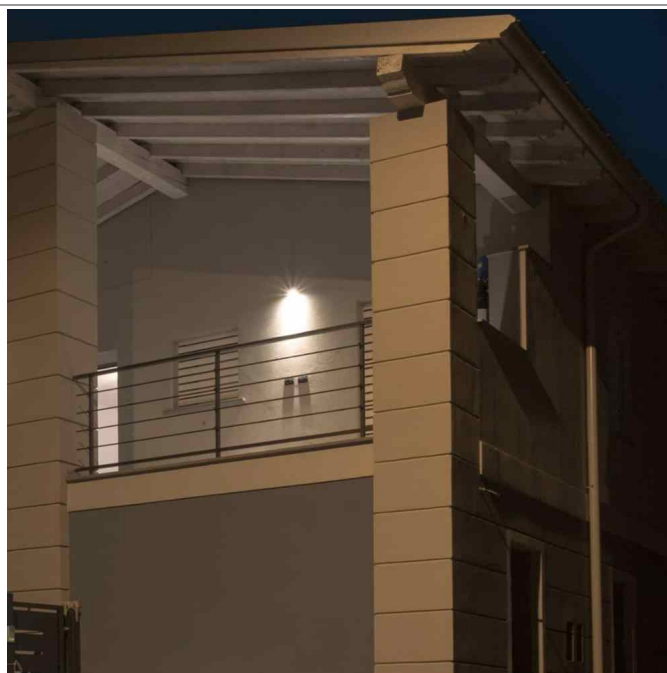
Company: _____ Name: _____ Last Name: _____

Position: _____ E-mail: _____ Phone: _____

Place: _____ Date: _____

Stamp / Sign: _____

Product Details



Product Quality

Mechanical components	The main components of Ghidini and Lucitalia products are made of aluminum. Ghidini selects and uses the best alloys with a low copper content that guarantee a very high resistance to oxidation. The minor components are instead made of stainless steel. Aluminum, in addition to being known for its softness, lightness and mechanical resistance, is also an exceptional thermal conductor. Thermal conductivity is a fundamental and necessary quality for the dissipation of the heat generated by LEDs. Maintaining an optimal operating temperature of the LED ensures a longer life over the years in terms of light quality and less loss of luminous flux. Raw aluminum is processed through various industrial production processes, such as die casting, extrusion or molding. It is used for vital structural components also for the aerospace industry and in many other sectors in which lightness, durability and strength are necessary. Furthermore, aluminum is completely recyclable.
Acqua-stop system	The Ghidini Acqua-Stop system, where provided, allows to block the well-known suction process generated by the product's on and off cycles. During operation, the heat generated heats the air inside the lamp body and as with all gases, as it heats up it expands and takes up more space than cold air. The air inside is always the same but once the appliance is turned off, cooling down, it takes up less space and contracts. The contraction of the cold air generates a depression that triggers a suction mechanism that sucks moisture from the copper strands of the power cable. It is a very slow but inexorable process and over time it can fill the device or seriously damage it. The Acqua-Stop system, thanks to the total immersion of the copper strands in a small room filled with epoxy resin, blocks the aspiration of humidity, guaranteeing total impermeability of the fitting.
Mechanical components protection and painting process	The painting process is based on years of research and experience to protect the lighting fixtures and make them withstand various climatic conditions and the aggressiveness of atmospheric agents. The quality of the paints used is based on multiple phases. The essential steps include: alkaline degreasing, acid deoxidation, demineralized rinsing, Nano-ceramic conversion, demineralized rinsing, drying and painting. The "Alodine" conversion process is a pre-painting process of aluminum and steel surfaces with the use of ceramic nano-particles. These, producing a cohesive inorganic layer of great compactness, constitute an excellent base for anchoring paints, ensuring greater adhesion surface than traditional phosphating. Finally, the polyester powder coating has excellent characteristics of resistance to UV rays, absence of chalking, excellent mechanical characteristics and high resistance to atmospheric agents. For installations where corrosion protection requires higher standards, an epoxy powder pre-treatment (primer) is introduced which allows for better resistance to corrosion and abrasion.
Process of gluing diffusers and closing of products	The diffusers of Ghidini fixtures are mostly made of extra clear tempered glass. The extra clear glasses, much more valuable than common tempered glass, guarantee a greater passage of the luminous flux and less heat retention inside the luminaire. The diffusers are positioned through silicone gaskets or are glued through a special gluing process based on silicone glues. The gluing process is based on a multi-step process: Treatment of surfaces with a special primer; micro-deposition phase of silicone glues through a completely automated system to ensure the correct and homogeneous deposition of the silicone; polymerization phase. Once cured, the products are placed in a special humidity-controlled drying chamber for a predetermined period. Finally, the devices are closed in total absence of humidity to ensure a longer life of all the electronic components.
Electric and electronic components	Ghidini and Lucitalia only use electronic components produced by the best Italian and European brands. The drivers are protected against any current surges coming from the electrical network. LEDs with a chromatic range equal to 3 McAdams steps and IRC equal to at least 90 are used. All electrical components are assembled in EPA areas by highly specialized personnel. All products are 100% tested before they are packed. The test result is printed on an indelible label which is affixed to the product to certify its correct functioning and safety.

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We reserve the right to change specifications without prior written notice.

Production and product control process

Ghidini and Lucitalia production is entirely carried out in Italy. Ghidini and Lucitalia use selected materials and components of the highest quality in their products to ensure long operation and durability over time. All products are 100% tested before they are packed. The test result is printed on an indelible label which is affixed to the product to certify its correct functioning. The management processes of Ghidini and Lucitalia are ISO 9001 certified.

HAWFINCH LED SPIKE LIGHT

8W, IP65



PRODUCT INFORMATION DOCUMENT

FEATURES

- Powder coated using electrophoresis process for high corrosion resistance
- Equipped with high quality CREE LED ensuring luminaire's reliability and high output
- Head adjustable angle of 120°
- Suitable for switching by PIR, Microwave or Photocell sensors

CONSTRUCTION

- Die cast aluminium housing with glass diffuser
- FR-4 driver PCB
- Stainless steel screws
- Prewired with 1m rubber flex



WARRANTY



LUMINAIRE
LIFETIME



LUMENS
PER W



IK RATING



IP RATING



OPERATING
VOLTAGE



BEAM ANGLE



DIMMING



CCT



SAFETY
CLASS



ADJUSTMENT
TILT

Product Code:	RHF0730-25
Comparable to:	50W halogen
Total Power (W):	8.7
Power Factor:	0.95
Total Light Output (lm):	520
Total Emergency Light Output (lm):	NA
Efficacy (lm/cctW):	60
Lux at 1m (lux):	110
Emergency Lux at 1m (lux):	NA
CCT (K):	3000
CRI:	80
IP:	65
Operation Temperature (°C):	-20 ≤ Ta ≤ +45
Inrush Current:	5.2A/2us
RG Value:	0
SDCM:	6
Pst LM:	NA
SVM:	NA
Energy Class:	E
Rated Life to L70B50 (Hrs):	30000
Dimensions LxWxH (mm):	107x83x380
Weight (kg):	0.86
Separate Control Gear Information	
Type of Light Source:	LED
Full Load Efficiency (%):	85
P _{NET} (W):	NA
Dimensions (mm):	60x40x24

Product is certified to all the relevant standards.

Please contact our technical department for market specific compliances.

PLEASE NOTE: INFORMATION IN THIS DOCUMENT MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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HAWFINCH LED SPIKE LIGHT
8W, IP65

Cone Illuminance Diagram

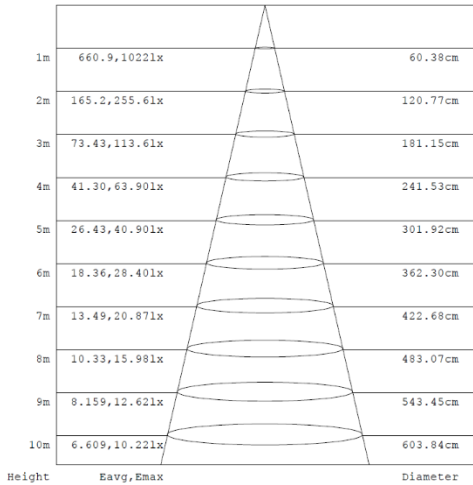
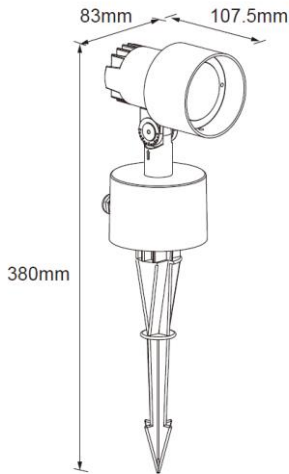


Diagram for RHF0730-25 in 3000K Other diagrams available on request

Dimension Diagram



Sensor Data

Time Off Delay:	NA
Illuminance Switching Range:	NA
Sensitivity Range (%):	NA
Mounting Height (max):	NA
Detection Zone Diameter (max):	NA

Polar Intensity Diagram

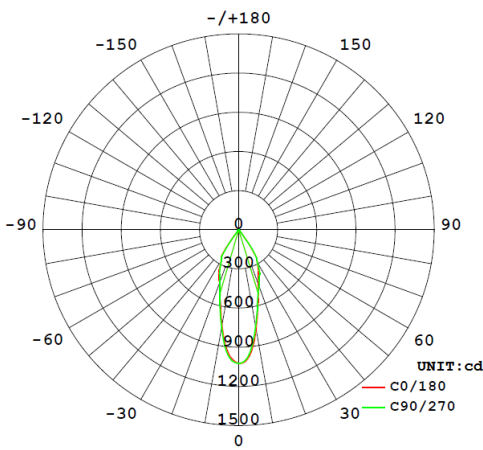


Diagram for RHF0730-25 in 3000K Other diagrams available on request

Accessories

NA

IP10W-24V



INTEGRITY
LIGHTING SOLUTIONS

High output, high density 24v LED Tape

- 10w per metre power consumption
- IP65 rated for external use - sleeve design with LED tape encapsulated front and back for further protection
- Supplied in lengths up to 10m
- Available in 2700k, 3000k, 4000k and 6000k
- >95 lm/w and >85 CRI
- 3 year warranty
- CE, UL, ROHS certified. Tested and approved by Intertek and TUV
- LM79 and LM80 approved



Tech Specs

PRODUCT SKU	IP10W-24V-27K IP10W-24V-3K IP10W-24V-4K IP10W-24V-6K
IP RATING	IP65
INPUT VOLTAGE	24V DC
WATTAGE	9.6W / m
WIDTH	10mm
HEIGHT	3.5mm
LUMEN 2700K	740lm / m
LUMEN 3000K	780lm / m
LUMEN 4000K	840lm / m
LUMEN 6000K	900lm / m
CRI	>85
LED CHIP SIZE	2835
LEDS PER METRE	60
CUTTING INCREMENT	50mm
BEAM ANGLE	120°
OPERATING TEMPERATURE	-10° to 45°C
DIMMABLE	Yes, with compatible LED driver
LED LIFE	50,000 hours
WARRANTY	3 years

NF0816-HB



12w Neon Flex, Horizontal Bend Series, 08x16mm Rectangular Profile

- 12w per metre output, micro profile
- IP65 rated for external use, possible IP67 with injection moulded end caps & input leads
- Supplied in lengths up to 5m
- Available in 2700k, 3000k, 4000k and 6000k
- >90 CRI
- 3 year warranty
- UKCA, UL, ROHS certified. Tested to international LM80 standard

IP67



5M



2835



LM80



120°



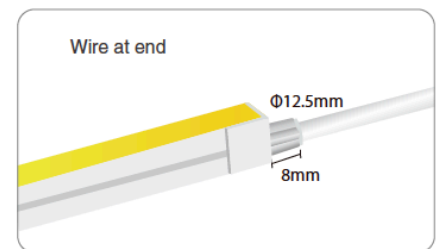
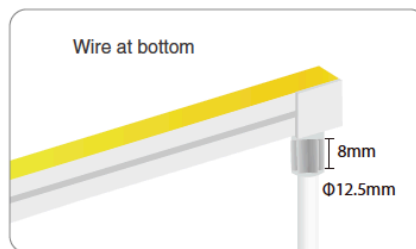
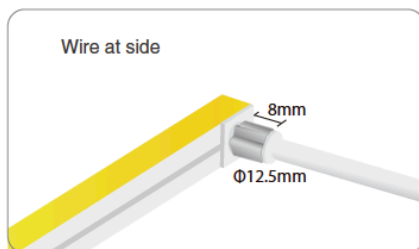
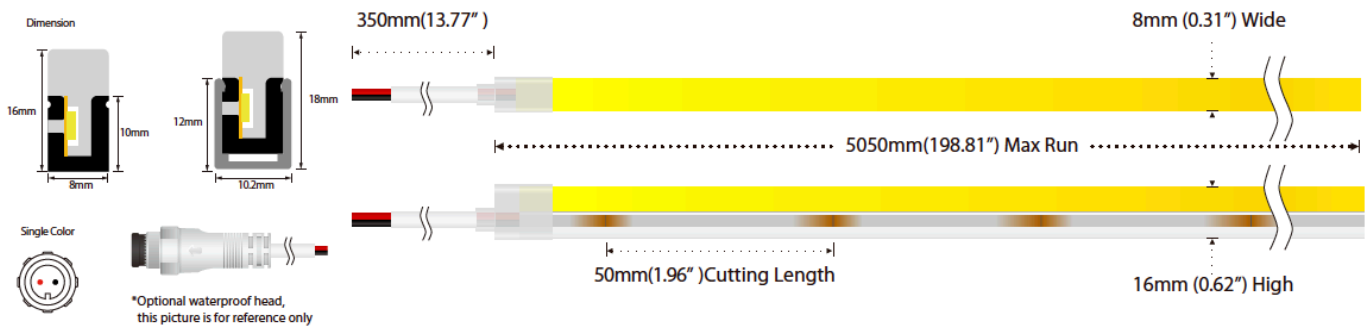
DIMMABLE



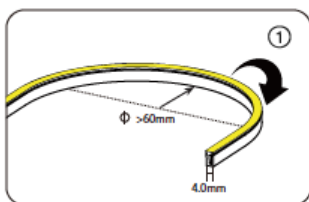
3 years warranty



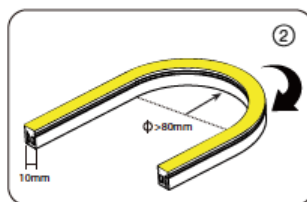
Dimensions



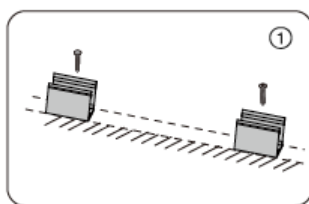
Installation



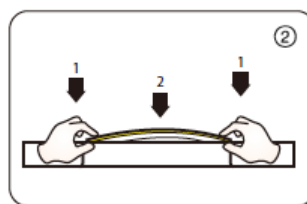
1. Correct bending way
Luminous surface width < 10mm
Side bending Series



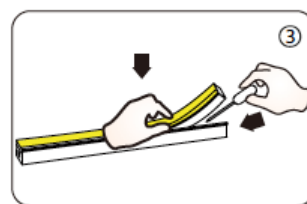
2. Correct bending way
Luminous surface width $\geq 10\text{mm}$
Side bending Series



1. Installation of clip
Fix the clips and aluminum profile via the screws
▲ Suggestion: 2pcs clips per meter.



2. Installation of Neon
Simultaneously install the neon from both ends

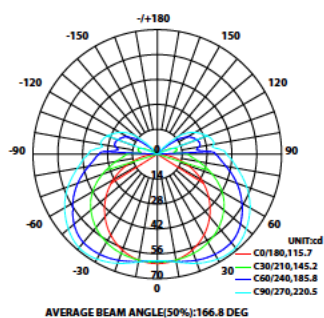
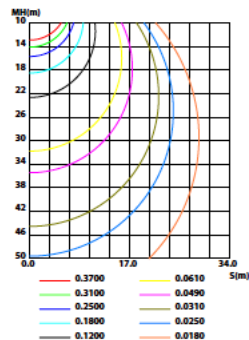


3. Installation of Neon
Should use tools to assist when remove the neon

Tech Specs

PRODUCT SKU	NF0816-HB-24V-27K NF0816-HB-24V-3K NF0816-HB-24V-4K NF0816-HB-24V-6K
IP RATING	IP67
INPUT VOLTAGE	24V DC
WATTAGE	12W / m
WIDTH	8mm
HEIGHT	16mm
LUMEN 2700K	495lm / m
LUMEN 3000K	500lm / m
LUMEN 4000K	535lm / m
LUMEN 6000K	545lm / m
CRI	>90
LED CHIP SIZE	2835
LEDS PER METRE	140
CUTTING INCREMENT	50mm
BEAM ANGLE	120°
OPERATING TEMPERATURE	-10° to 45°C
DIMMABLE	Yes, with compatible LED driver
LED LIFE (LM80)	50,000 hours

Light Distribution

LUMINOUS INTENSITY
DISTRIBUTION DIAGRAMC0 PLANE ISOLUX
DIAGRAM (UNIT:lx)

UNI14 BC3/Y



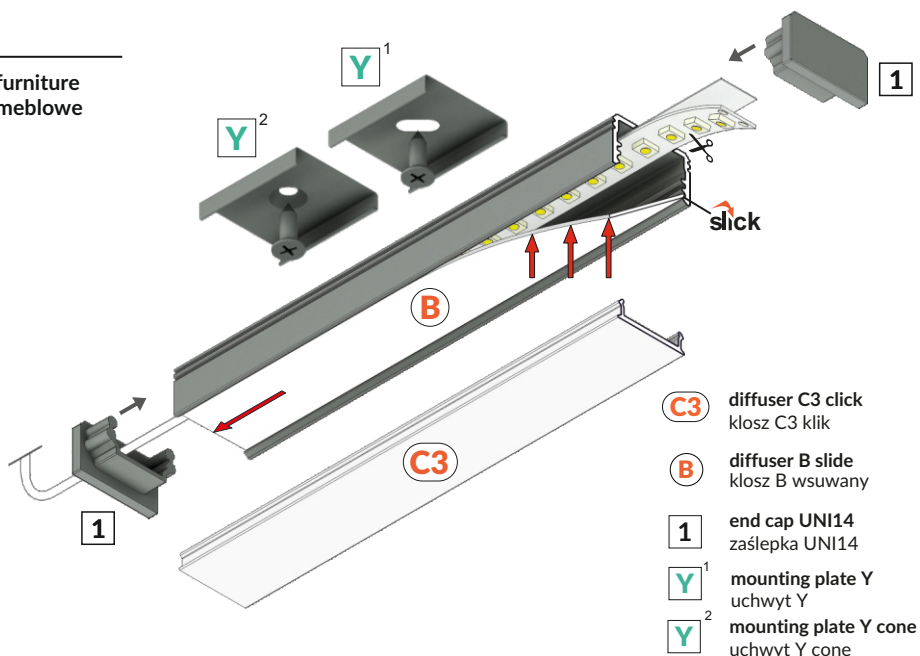
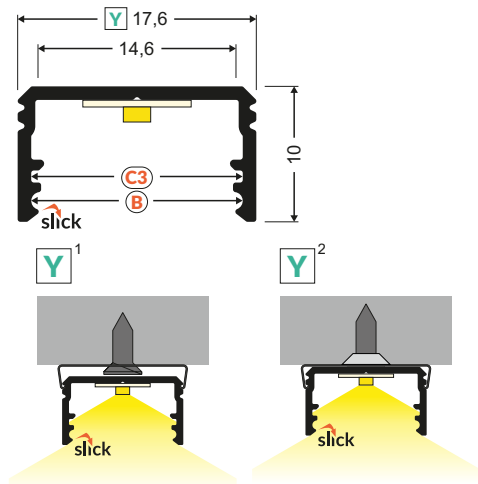
max 14 mm



surface
nawierzchniowe



furniture
meblowe



scissors
nożyczki



drill
wiertarka



hacksaw
piła



pliers
kombinerki

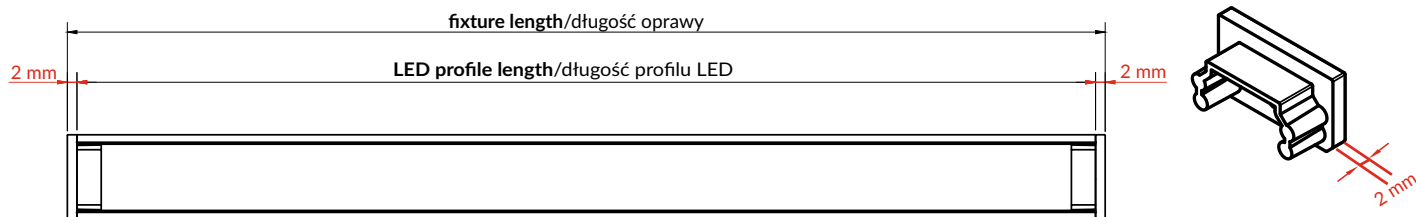


soldering iron
lutownica



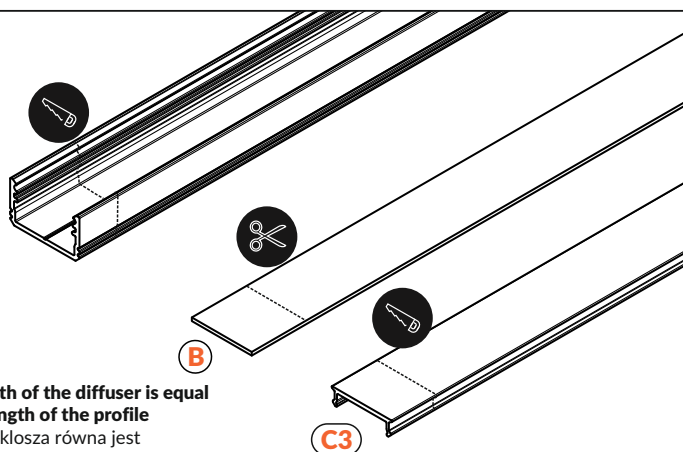
solder
cyna

I

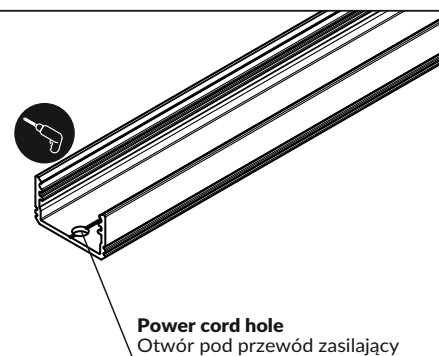


II

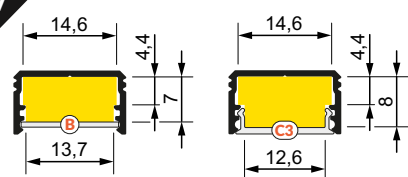
The length of the diffuser is equal to the length of the profile
Długość klosza równa jest długości profilu.



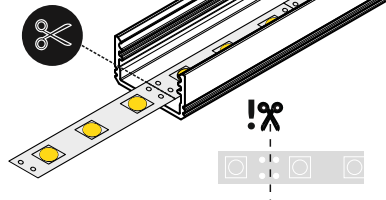
III



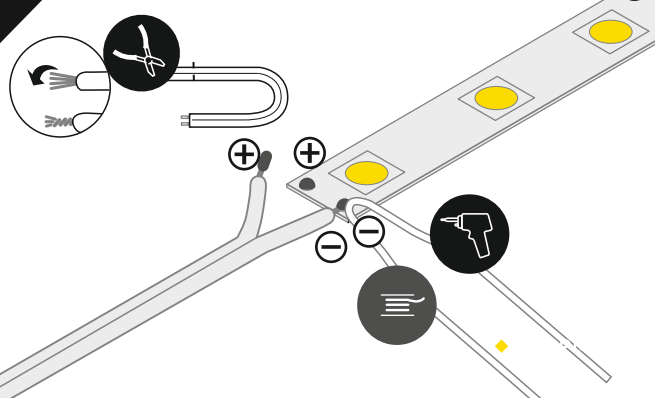
IV



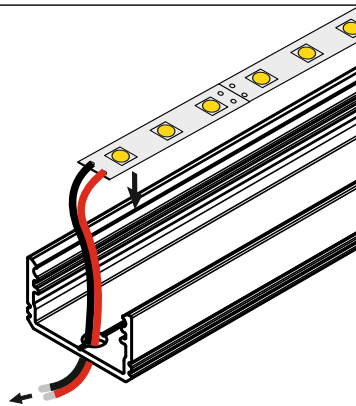
Dimensions of the space to install LED source
Wymiary przestrzeni do zamontowania źródła LED.



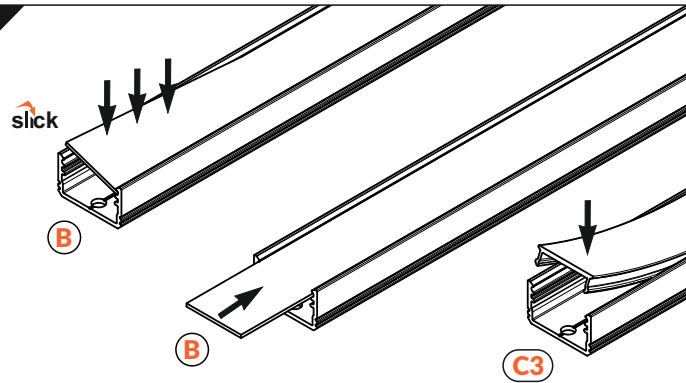
V



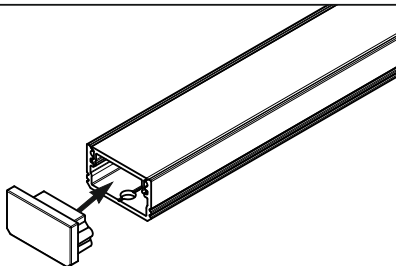
VI



VII



VIII



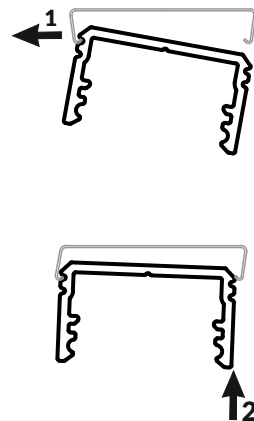
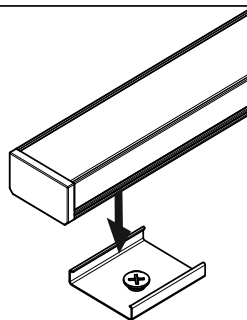
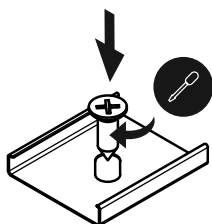
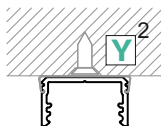
IX

MOUNTING / MONTAŻ

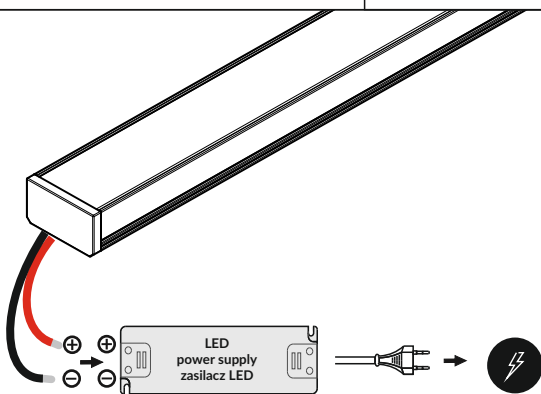
mounting plate **Y**
uchwyt **Y**



mounting plate **Y cone**
uchwyt **Y cone**



X



INTEGRITY
LIGHTING SOLUTIONS

Last information update: July 2025

Product configuration: SS91.15

SS91.15: Square optic assembly 180x180mm – AL optic – Warm White – 220÷240Vac - 5.8W 506lm - 3000K - Grey

**Product code**

SS91.15: Square optic assembly 180x180mm – AL optic – Warm White – 220÷240Vac - 5.8W 506lm - 3000K - Grey

Technical description

Luminaire for walkways designed to use LED lamps with a high efficiency value. Ceiling, wall-recessed and pole-mounted installation. It consists of an optical assembly with an IP66 protection rating and an outer casing or wall-mounted base to be ordered separately. The optical assembly and base are made of aluminium alloy treated with powder paint, which provides a high level of resistance to weather and UV rays. Plastic closure guard at the rear of the optical assembly. Complete with plastic cable gland and outlet cable. Transparent sodium-calcium tempered safety glass Luminaire with no visible screws and an anti-vandal system that uses an opening key to access the rear wiring compartment (supplied in the package). All external screws used are made of A2 stainless steel.

Installation

Wall-recessed installation with a plastic outer casing to be ordered separately. Disposable polystyrene formwork for creating the outer casing housings for installations in concrete walls that are then plastered or finished with bricks so the end surface is flush with the optical assembly. Wall-mounted installation requires an aluminium base to be ordered separately. Pole-mounted installation requires a pole to be ordered separately.

Colour
Grey (15)

Weight (Kg)
0.74

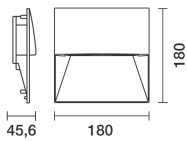
Complies with EN60598-1 and pertinent regulations



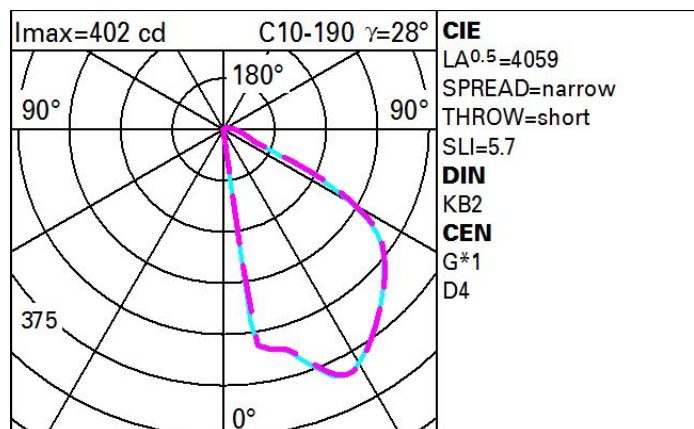
IK09



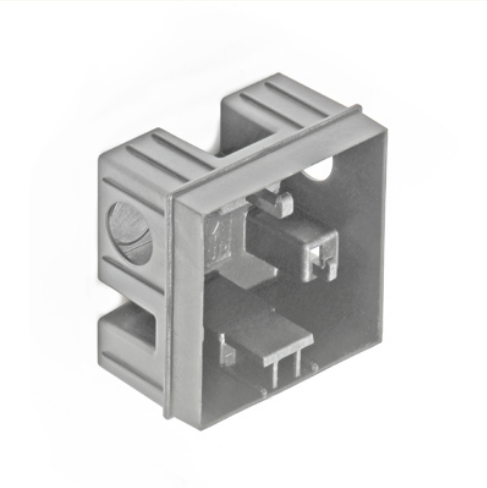
IP66

**Technical data**

lm system:	506	Colour temperature [K]:	3000
W system:	5.8	MacAdam Step:	3
lm source:	1100	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W source:	4.8	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Luminous efficiency (lm/W, real value):	87.2	Voltage [Vin]:	230
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	10	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	46	ZVEI Code:	LED
CRI (minimum):	80	Number of optical assemblies:	1
Rf (Colour Fidelity Index):	85	Intervallum temperatura ambiente:	from -20°C to 50°C.
Rg (Gamut Index):	99	Control:	On/off

Polar

X331.15 Grey



DESCRIPTION

Plastic casing - square

SELECTED COLOUR

15 Grey

STANDARD

Specification sheet generated on 18/02/2026

TECHNICAL DATA

LAST UPDATE: 12/01/2026

DESCRIPTION

Outer casing for square Walky optical assembly 180x180mm. Made of plastic material

DIMENSIONS

General (mm)	80x184x184
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TECHNICAL PERFORMANCE

IK09

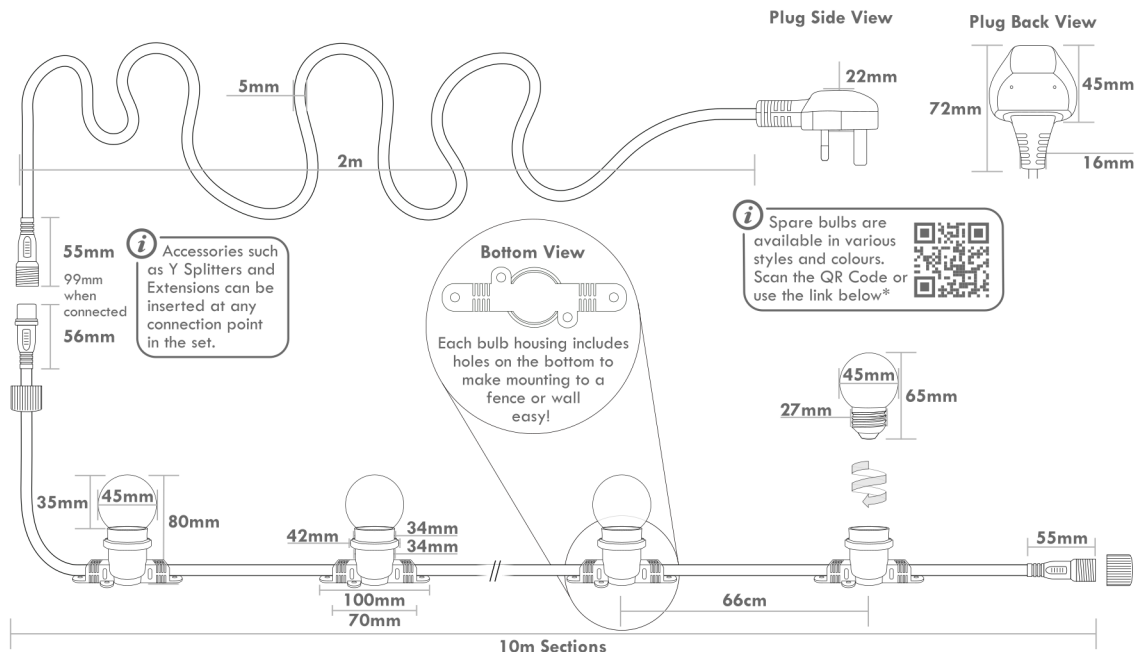
Protected against 10 J shocks

Complies with EN60598-1 and pertinent regulations

PHYSICAL PROPERTIES

Weight (kg)	0.74
-------------	------

PRO SERIES FESTOON LIGHTS



*Spare bulbs are available on our website at the following address: <https://www.dzd.co.uk/festoon-bulbs/>

Length	10M	20M	30M	40M	50M	60M	70M
Bulbs	15	30	45	60	75	90	105

Length	80M	100M	120M	140M	160M	180M	200M
Bulbs	120	150	180	210	240	270	300



Type of Bulb	Globe, Large Filament, Golf Ball Filament
Light Voltage	230v – Mains Voltage
Running Costs	10m of these lights will cost approximately 0.07p per hour to run, based on 50p per KWH
Power Cord Included	Yes
IP Rating	IP65
Suitability	Indoor, Outdoor
Number of bulbs	15 bulbs per 10m section
Bulbs Replaceable	Yes
Bulb Spacing	66cm
Wattage	1w per bulb
Kelvins	Large Filament (2700), Globe Filament (2900), Globe (3500)
Lumens	Globe (300), Golf Ball Filament (210) & Large Filament (225)
Guarantee	2 Year from Receipt of Goods
Product Code	PROFEST

KINGLET STAINLESS STEEL LED IN-GROUND SPOT LIGHT

0.6W, 3W, 7.5W, IP67, IP68



RKG0130SS-13

RKG0330SS-13

RKG0730SS-13

PRODUCT INFORMATION DOCUMENT

FEATURES

- 316 marine grade stainless steel housing with very high resistance to corrosion
- Equipped with high quality Phillips or CREE LEDs ensuring luminaire's reliability and high output
- Complete with die-cast aluminium concrete mounting sleeve
- Suitable for walk-over applications
- Suitable for switching by PIR, Microwave or Photocell sensors

CONSTRUCTION

- Stainless steel housing and polycarbonate diffuser
- FR-4 driver and LED PCB
- Prewired with 3m rubber flex



WARRANTY



LUMINAIRE
LIFETIME



LUMENS
PER W



IK RATING



IP RATING



OPERATING
VOLTAGE



BEAMANGLE



BEAMANGLE



DIMMING



CCT



SAFETY
CLASS

Product Code:	RKG0130SS-13	RKG0330SS-13	RKG0730SS-13
Comparable to:	NA	NA	NA
Total Power (W):	0.5	2.9	7.5
Supply Voltage (V _{DC}):	12	24	24
Total Light Output (lm):	20	230	380
Total Emergency Light Output (lm):	NA	NA	NA
Efficacy (lm/cctW):	40	79	131
Beam Angle (deg):	100	30	30
Lux at 1m (lux):	10	650	5240
Emergency Lux at 1m (lux):	NA	NA	NA
CCT (K):	3000	3000	3000
CRI:	80	80	80
IP:	68	68	67
IK:	07	08	08
Operation Temperature (°C):	-20 ≤ Ta ≤ +45	-20 ≤ Ta ≤ +45	-20 ≤ Ta ≤ +45
Inrush Current:	NA	NA	NA
RG Value:	0	0	0
SDCM:	6	6	6
Energy Class:	D	E	D
Rated Life to L70B50 (Hrs):	30000	30000	30000
Dimensions ØxH (mm):	36x37	60x45	90x75
Weight (kg):	0.58	0.8	1.1

Product is certified to all the relevant standards.

Please contact our technical department for market specific compliances.

PLEASE NOTE: INFORMATION IN THIS DOCUMENT MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

IRE: TEL: +353 1 709 9000
UK: TEL: 0800 973 220
AUS: TEL: +61 7 3890 5444
NZ: TEL: +64 03 668 5285

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ROBUS®

OUTDOOR

KINGLET STAINLESS STEEL LED IN-GROUND SPOT LIGHT

0.6W, 3W, 7.5W, IP67, IP68

Cone Illuminance Diagram

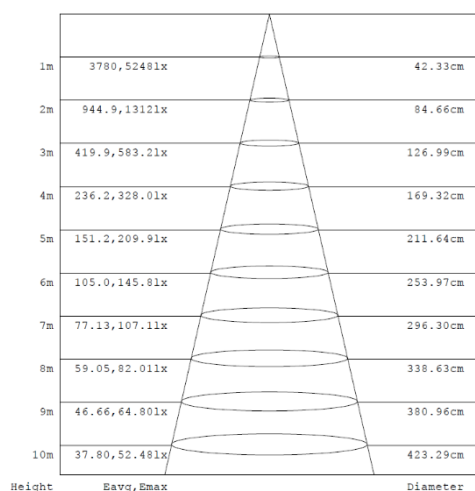
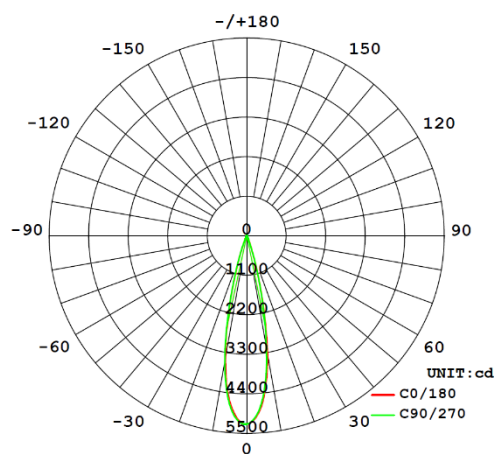


Diagram for RKG0730SS-13 in 3000K. Other diagrams available on request

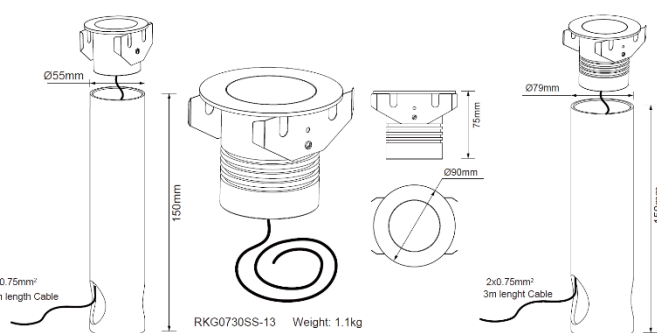
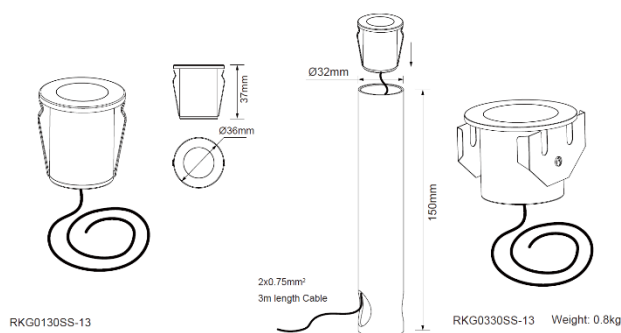
Polar Intensity Diagram



Dimension Diagram

Accessories

NA



Sensor Data

Time Off Delay:	NA
Illuminance Switching Range:	NA
Sensitivity Range (%):	NA
Mounting Height (max):	NA
Detection Zone Diameter (max):	NA

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Connect up to
950m



Commercial grade
cable



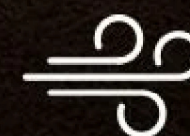
IP65
weatherproof



Multiple
colours



★ Trustpilot



Specification



	Bulb Type	LED
	Brand	ConnectPro®
	CE Certified	Yes
	Connectable	Yes
	Connectable Range	ConnectPro (240V)
	Indoor or Outdoor	Indoor & Outdoor
	IP Rating	IP65
	Plug Supplied	No
	Power Source	Plug In
	Product Wattage	3.5W



Product Description: 3W Maintained Emergency LiFePO4 Bulkhead with Manual Test Function

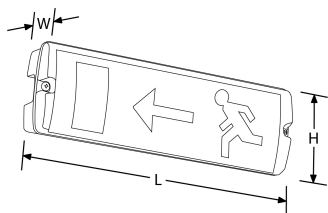
The new Emergency Surface Mount Bulkhead now benefits from a LiFePO4 battery and offers 3 hours emergency back up duration, either maintained or non-maintained. The product also includes required legends to suit all applications. There is also a Self Test version available, EN-EMBHT.

SKU Code	Wattage	Colour	Lumens	Lumens/Watt	Beam Angle	Finish Colour	SKU Type
EN-EMBH	3	6500	250	84	120	Clear/Frosted	Emergency

Line Drawing

Polar Curve

Colour



Feature & Benefits

- 3 hours emergency back-up duration
- LiFePO4 Battery
- IP65 rated
- IK10 rated
- Can be maintained or non-maintained dependent on connection of switch live
- 25 metre viewing distance
- Can be wall or ceiling mounted
- EN-EMBH - Manual test (key switch)
- EN-EMBHST - Self test
- EN-EMBHL - Drop down legend accessory
- 5 Year Warranty

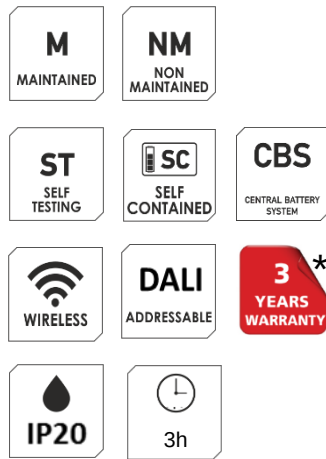
Product Specs:

Input Voltage	220~240V AC	Input Frequency	50/60HZ
Power Factor	0.5	IP Rating	IP65
Lifetime L70 (hrs)	25000hrs	Width (mm)	59
Length (mm)	352	Weight (Kg)	0.553
Height (mm)	110	Product Type	Emergency
Operating Temp. (Min) °C	5°C	Operating Temp. (Max) °C	40°C

Compliance & Approvals:

Warranty:

This product has a warranty period of 5 Years. Warranties may be available on certain products as indicated in the product description. Warranties are valid from the date of purchase. The warranty is invalid in the case of improper use, installation, tampering, removal of the Q.C. date label or installation in an improper working environment or installation. Should this product fail during the warranty period it will be replaced free of charge, subject to the correct installation of the original product and subsequent return of the faulty unit. Aurora does not accept responsibility for any installation costs associated with the replacement of this product and Aurora reserves the right to alter specifications without prior notice.



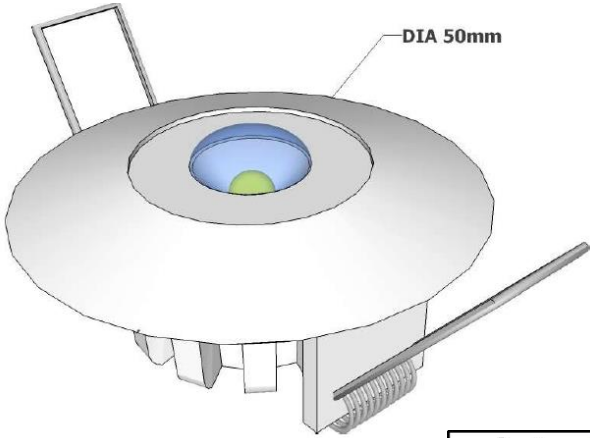
This innovative self-contained LED emergency Downlighter features a single point high illumination white LED with an optical lens for either corridor or open area. Suitable for modern buildings where high performance and a minimum maintenance cost are essential.

- ✓ High lumen output
- ✓ Low power consumption
- ✓ 2 optic options, open area or corridor
- ✓ IP54 (Recess mounting open area & corridor)
- ✓ DALI and Self-Testing options
- ✓ 0°C + 25°C operating temperature
- ✓ 3W High Output – 160mm ceiling void (43mm cutout)
- ✓ Surface mount option

X-MRD3 Options	
/NM	Non-maintained
/OA	Open area lens
/CO	Corridor lens
/ST	Self-test
M/DALI	Maintained DALI (Addressable)
/IP	Wireless Communication (Remote Box)
/SL/50	50V AC/DC (central battery)
/SL/110	110V AC/DC (central battery)
/SL/230	230V AC/DC (static inverter)
/HO	50-230V AC/DC hold off relay
/BK	Black Finish
/SURF	Surface mount (non-maintained only)

Downlighter LED

X-MRD3





Category	Emergency
Application	Commercial, Education, Healthcare, Hospitality, Outdoor, Retail
Specification	Architectural

Falcon Wall

Falcon Wall Self-Test Emergency Black

Code: AFW/1/B/3NM/ST



PRODUCT FEATURES

- Ultra-low profile recessed or surface mounted emergency low-level light suitable for most internal and external applications
- Integral IP65 open area lens ideal for external escape route installations
- Available in black and white finishes
- Cutting-edge lens design maximises light output and performance, allowing increased spacing reducing cost
- Low level installations provide the required lux levels on the floor reducing the need for ceiling emergency lighting
- Self-test and DALI options available

GENERAL INFORMATION

Wattage	1.3W
Lumens Delivered	80lm
Lm/W	N/A
Beam Angle	45/120
CRI	70
CCT	6500K
Input	220-240V
Operating Temp	5°C - 40°C
SDCM	5
Cut-Out Size	95x95mm
Product Weight without Packaging	2.869 kg

TECHNICAL INFORMATION

Light Source	LED
Colour / Finish	Black
IP Rating	IP65
Class Protection	2
Internal / External	Internal / External
Surface / Recessed / Suspended	Recessed
Lumen Depreciation	L80 59,000h
Warranty (Years)	6
CE Mark	Yes
Height	108 mm
Emergency Output Duration	3 Hr





Category	Emergency
Application	Commercial, Education, Healthcare, Hospitality, Outdoor, Retail
Specification	Architectural

Falcon Wall

Falcon Wall Self-Test Emergency Black
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