

INDUSTRIAL LIGHTING GUIDE

Specialists For Warehouses & Manufacturing Facilities



Why upgrade your LED lighting?

Upgrading your industrial or warehouse lighting delivers immediate and long-term benefits. Modern LED systems offer significantly improved energy efficiency, reducing electricity costs by up to 70% compared to traditional lighting. They also provide better visibility and uniform light distribution, enhancing workplace safety and productivity. With longer lifespans and lower maintenance requirements, upgraded lighting minimise downtime and operational disruption. Plus, smart lighting controls can further optimise energy use and adapt to your facility's specific needs making the upgrade a cost-effective, future-proof investment.



“Efficient lighting leads to lower bills and higher performance.”



Cost Effectiveness

LED lighting cuts energy costs, boosts performance, and needs little upfront investment.



Maintenance

LEDs last longer, come with hassle-free warranties, and save you money with fewer replacements.



Improved Performance

The right lighting boosts focus, vision, and mood, with proven benefits for mental health.



Environment

LEDs cut carbon emissions and costs, making them better for both your budget and the planet.

ROOT3
LIGHTING & ELECTRICAL





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ROOT3
LIGHTING & ELECTRICAL





Lighting Design

Our lighting designers can help provide the correct lighting for your building or outdoor space. With over 60 years of combined experience in the lighting industry, our team understands the critical role that effective lighting design plays in any project. We recognise the value a skilled lighting engineer brings, ensuring that every design meets the required light levels and complies with current regulations.



FREE Lighting Design Service

We offer a comprehensive and free lighting design service aimed at offering the right solution, whilst also providing the very best energy and cost savings.



Site Survey Service

Our experts can provide a site survey to maximise your lighting needs, whilst offering the best solution for your budget and the right products for the right environment.



Return on Investment

Our ROI calculator factors variables, including maintenance and occupancy of the environment, to ensure a comprehensive payback calculation.

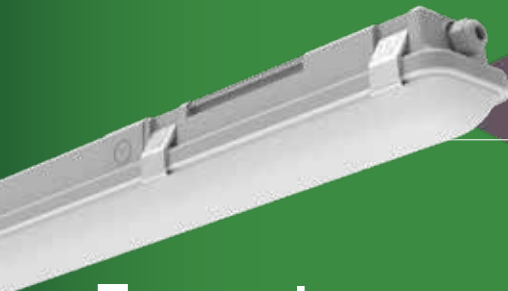
We offer a wide range of suitable fittings for both indoor and outdoor applications and if you take advantage of our free in-house lighting design service we can tailor a bespoke solution for suit all environments whilst providing excellent return on investment in terms of energy and money savings.



Wraysbury

Suitable for: Office & Canteen

The Wraysbury backlit panel range offers efficient lighting. Supplied with connectors for easy installation, they include dimmable driver and E-SEL3 options. We have multiple options including Indirect, A-rated Ultra Efficient, UGR & 3CCT.



Tempest

Suitable for: Goods in

The Tempest delivers up to 185 lm/W output performance and comes as wattage and 2CCT selectable or high output. Designed for efficiency and ease of installation, it features pre-threaded M20 cable entry, Plug and Play compatibility, and is truSmart compatible. With E-SEL3 selectable emergency and MW/Step Dim sensor options it ensures versatile and reliable lighting. A-rated for ultra efficiency and backed by a 5-year warranty.

Rydal

Suitable for: External Areas

With wattage and 3CCT selectable options and dusk-to-dawn built-in as standard, the Rydal ensures reliable performance. The hinged front allows for quick access and easy installation, and it can be wall mounted over a standard BESA box, providing dual-sided conduit cable entry points for efficiency and security.





Meadley Plus

Suitable for: Warehouses, Production Areas.

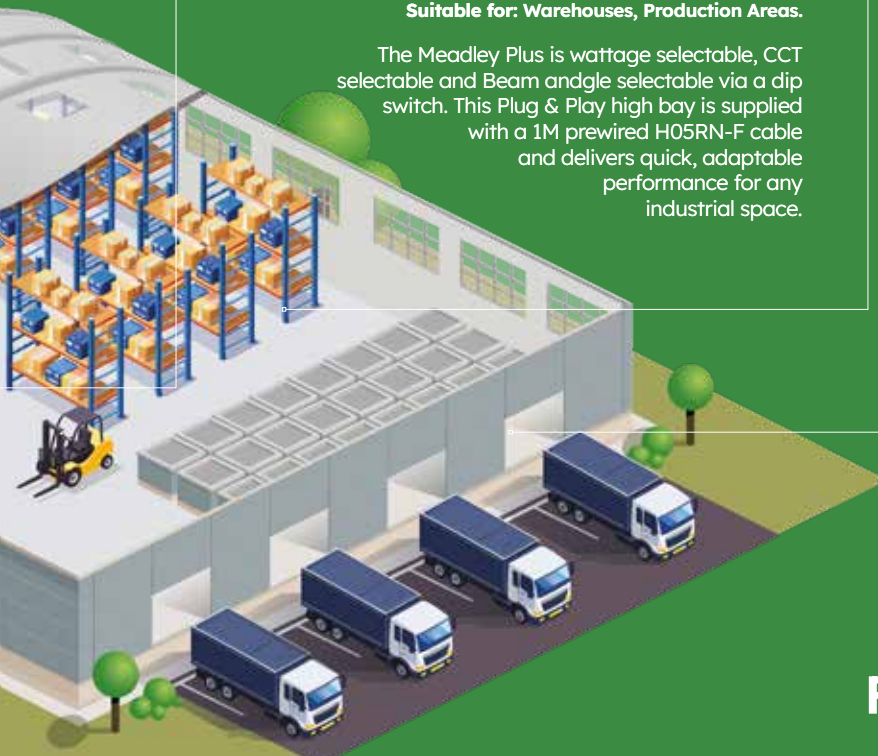
The Meadley Plus is wattage selectable, CCT selectable and Beam angle selectable via a dip switch. This Plug & Play high bay is supplied with a 1M prewired H05RN-F cable and delivers quick, adaptable performance for any industrial space.



Netherton

Suitable for: Racking

The lightweight Netherton is designed for racked aisles, with a 1.5m suspension kit and a choice of 30°x70° or 50°x90° optics for precise, efficient lighting.



Frankly Plus

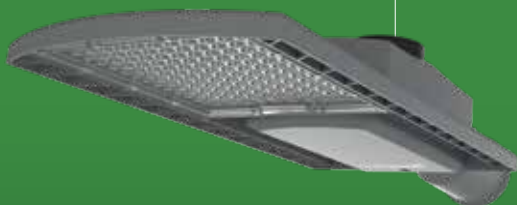
Suitable for: Building Illumination, External Areas

The Frankly Plus is a professional-grade exterior floodlight delivering 180 lm/W with A-rated efficiency. Built for harsh environments with IP66 protection and advanced optics it offers durable, high-performance lighting for demanding outdoor applications.

Windermere

Suitable for: External Areas, Car Parks

The Windermere street light features a durable one-piece die-cast housing, Type III optic, and UV-resistant lens. With a NEMA socket, surge protection, and adjustable mounting options, it's designed for reliable, efficient performance in all conditions.





Lighting Colour Temperature Scale

2700K - 3000K

Warm & Inviting

Adds a yellow tint while enhancing reds and oranges

4000K

Efficient & Neutral

Enhances all colours equally

5000K

Vibrant & Attentive

Warehouses, Manufacturing, Industrial Facilities

Adds a bluish tint, flattens reds and enhances existing blues



CCT Selectable Correlated Color Temperature

Products that are CCT Selectable allow you to choose the colour temperature of the light using a switch on the fitting. This lets you adjust the light to suit different rooms or preferences without needing to change the fixture.

The perfect light for every space, every time.

We deliver tailored lighting solutions designed to meet the demands of industrial and warehouse environments. Our efficient, high-performance luminaires provide powerful, adaptable illumination that enhances visibility, safety, and productivity—keeping operations running smoothly, shift after shift.

Open Warehouse

Bright, even lighting ensures safe movement and clear visibility across large, open areas.

Racking

Targeted lighting improves visibility between shelves, reducing errors and enhancing safety.

Cold Storage

Reliable, efficient lighting that performs in low temperatures and humid conditions.

Production Area

High-quality lighting supports detailed tasks, productivity, and quality control.

Goods In & Dispatch

Clear lighting improves accuracy and speed in fast-paced handling areas.

Canteens & Offices

Comfortable, balanced lighting creates a pleasant space for breaks and office work.

Loading Bays

Durable lighting ensures safety and visibility during vehicle loading at all hours.

Food Production

Uniform, hygienic lighting supports inspection and meets food safety standards.

High Ambient Temperature

Heat-resistant lighting maintains performance in high-temperature environments.

External

Weatherproof lighting enhances site safety, security, and visibility outdoors.

Emergency

Reliable emergency lighting ensures safe evacuation and compliance during power loss or incidents.



What is E-SEL3?

E-SEL3 gives the installer the option to select either a Self-Test or Manual emergency function while utilising the latest LiFePO4 battery technology.



Where you see this logo, the product benefits from both Self-test and Manual Switching built in. We call it 'Emergency Selectable' or E-SEL3 for short.





Our Plug & Play High Bay Emergency packs now come with E-SEL3! This gives the installer the option to select either a Self-Test or Manual emergency function



Grafham High Bay E-SEL3 Selectable Emergency 1000lm
Part No. 431430

Foremark
Part No. 421435-90



Crown Zhaga
truSmart PIR
Part No. 430625

What is Plug & Play?

Our High Bays feature a Plug & Play design, making it easy to upgrade with PIR sensors, Microwave sensors, truSmart controls, or Emergency modules. All components are cross-compatible and interchangeable giving you maximum flexibility with minimal fuss.



Alwen Zhaga
12m PIR
Part No. 430568



Alwen Zhaga
Microwave
Part No. 430569

Alwen Zhaga
16m PIR
Part No. 431206

New



Attaching our Crown Zhaga PIR gives your fitting the ability to use truSmart - our smart Lighting system. to see all of the benefits of truSmart see page 46.



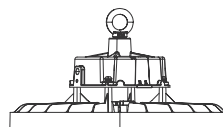
Bosley

Plug & Play High Bay

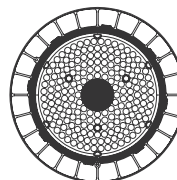
IP65	IK10	60,000	70	5 YR
Ingress Protection	Impact Rating	LED Lifespan L70	CRI	Product Warranty



- Supplied with 1M prewired H05RN-F cable
- Sosen LED driver
- IP65 & IK08 Rated
- 110° optic
- Plug & Play Enabled – Emergency Only
- 5 Year Product Warranty
- 150 lm/W



100W & 150W:
145mm
200W: 155mm



100W & 150W:
250mm
200W: 280mm

Light Colour Temperature: **5000K**



PART NO.	DESCRIPTION	WATTS	KELVIN	LUMENS	LM/W
421500-110	Bosley Plug & Play 110° - Black High Bay	100W	5000K	15,000	150
421501-110	Bosley Plug & Play 110° - Black High Bay	150W	5000K	22,500	150
421502-110	Bosley Plug & Play 110° - Black High Bay	200W	5000K	30,000	150

OPTION NO.	DESCRIPTION	LUMENS
430965	Grafham High Bay E-SEL3 Selectable Emergency	650
431430	Grafham High Bay E-SEL3 Selectable Emergency	1000

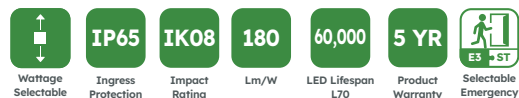
TECHNICAL INFORMATION

Input: 100-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5m H05RN-F cable



Derwent

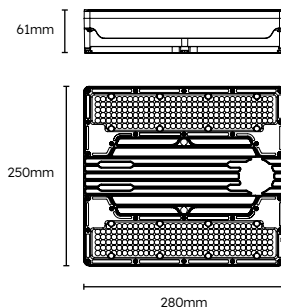
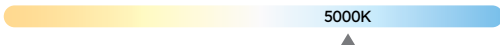
Wattage Selectable Plug & Play Mid Bay



- Wattage selectable (3 options)
- Highly efficient - 180 lm/W
- Suspension kit included
- Sleek, compact design
- Plug & Play Options:
 - Alwen Zhaga 15M Microwave sensor
 - Alwen Zhaga 12M PIR Sensor
 - Alwen Zhaga 16M PIR Sensor
 - Crown Zhaga 14M truSmart PIR sensor



Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
431175-85	Derwent Mid Bay - Grey Plug & Play	75W/95W/118W	13,500/17,100/21,250	180

OPTION NO.	DESCRIPTION	LUMENS
430964	Grafham Linear High Bay E-SEL3 Selectable Emergency 650lm	650
431431	Grafham Linear High Bay E-SEL3 Selectable Emergency 1000lm	1000
401754	Remote Control	
430568	12m Alwen Zhaga Plug & Play PIR Sensor	
431206	16m Alwen Zhaga Plug & Play PIR Sensor	
430569	15m Alwen Zhaga Plug & Play Microwave Sensor	
430625	14m Crown Zhaga Plug & Play truSmart PIR Sensor	

TECHNICAL INFORMATION

Input: 100-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5m H05RN-F cable



Meadley

Plug & Play High Bay



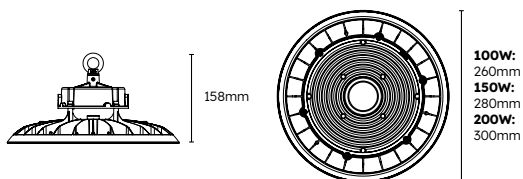
IP65	IK08	160	60,000	5 YR
Ingress Protection	Impact Rating	Lm/W	LED Lifespan L70	Product Warranty



- Supplied with 1M prewired H05RN-F cable
- Lifud LED driver
- 90° or 120° optic options
- Plug & Play Enabled – Sensors and Emergency
- 5 Year Product Warranty
- 160 lm/W



Light Colour Temperature: **5000K**



PART NO.	DESCRIPTION	WATTS	KELVIN	LUMENS	LM/W
431331-120	Meadley High Bay 100W 120D Plug & Play (Zhaga) IP65 Black	100W	5000K	16,000	160
431332-120	Meadley High Bay 150W 120D Plug & Play (Zhaga) IP65 Black	150W	5000K	24,500	160
431333-120	Meadley High Bay 200W 120D Plug & Play (Zhaga) IP65 Black	200W	5000K	31,700	160
431331-90	Meadley High Bay 100W 90D Plug & Play (Zhaga) IP65 Black	100W	5000K	16,000	160
431332-90	Meadley High Bay 150W 90D Plug & Play (Zhaga) IP65 Black	150W	5000K	24,500	160
431333-90	Meadley High Bay 200W 90D Plug & Play (Zhaga) IP65 Black	200W	5000K	31,700	160

OPTION NO.	DESCRIPTION	LUMENS
430965	Grafham High Bay E-SEL3 Selectable Emergency	650
431430	Grafham High Bay E-SEL3 Selectable Emergency	1000
401754	Remote Control	
430568	12m Alwen Zhaga Plug & Play PIR Sensor	
431206	16m Alwen Zhaga Plug & Play PIR Sensor	
430569	15m Alwen Zhaga Plug & Play Microwave Sensor	
430625	14m Crown Zhaga Plug & Play truSmart PIR Sensor	

TECHNICAL INFORMATION

Input: 120-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5m H05RN-F cable

*Emergency Temp: 0°C - 30°C



Meadley Plus

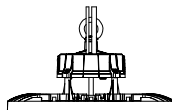
Wattage, CCT & Beam Angle Selectable Plug & Play High Bay - Black



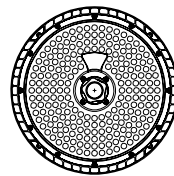
- 3x Wattage Selectable via dip switch
- 3CCT Selectable via dip switch – 4000K, 5000K, 6000K
- Beam angle selectable via dip switch 90° or 120° optic options
- Supplied with 1M prewired H05RN-F cable
- Plug & Play Enabled – Sensors and Emergency
- Sosen LED driver
- 5 Year Product Warranty
- 170 lm/W



Light Colour Temperature: **3CCT Selectable**



150W:
163mm
200W:
168mm
240W:
173mm



150W:
285mm
200W:
310mm
240W:
330mm

PART NO.	DESCRIPTION	WATTS	KELVIN	LUMENS**	LM/W
431323	Meadley Plus Wattage Selectable 90° & 120° Plug & Play - Black	60W/80W/100W	3CCT	8,500/11,900/17,000	170
431324	Meadley Plus Wattage Selectable 90° & 120° Plug & Play - Black	90W/120W/150W	3CCT	14,450/19,550/25,500	170
431325	Meadley Plus Wattage Selectable 90° & 120° Plug & Play - Black	120W/160W/200W	3CCT	19,550/26,350/34,000	170
431326	Meadley Plus Wattage Selectable 90° & 120° Plug & Play - Black	145W/190W/240W	3CCT	20,400/28,900/40,800	170

OPTION NO.	DESCRIPTION	LUMENS
430965	Grafham High Bay E-SEL3 Selectable Emergency	650
431430	Grafham High Bay E-SEL3 Selectable Emergency	1000
401754	Remote Control	
430568	12m Alwen Zhaga Plug & Play PIR Sensor	
431206	16m Alwen Zhaga Plug & Play PIR Sensor	
430569	15m Alwen Zhaga Plug & Play Microwave Sensor	
430625	14m Crown Zhaga Plug & Play truSmart PIR Sensor	

TECHNICAL INFORMATION

Input: 120-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5m H05RN-F cable

*Emergency Temp: 0°C - 30°C



Foremark

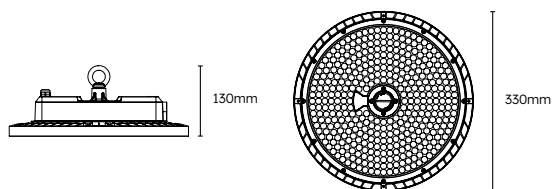
Wattage Selectable Plug & Play High Bay



- 6x Wattage Selectable via dip switch
- Supplied with 1M prewired HO5RN-F cable
- Plug & Play Enabled – Sensors and Emergency
- Sosen LED Driver
- IP66 & IK08 Rated
- 5 Year Product Warranty
- 200 lm/W



Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	WATTS	KELVIN	LUMENS	LM/W
421435-90	Foremark 90° Wattage Selectable Optic Zhaga - Black Plug & Play	80W/100W/120W/ 160W/180W/200W	5000K	16,000/20,000/24,000/ 32,000/36,000/40,000	200

OPTION NO.	DESCRIPTION	LUMENS
430965	Grafham High Bay E-SEL3 Selectable Emergency	650
431430	Grafham High Bay E-SEL3 Selectable Emergency	1000
401754	Remote Control	
430568	12m Alwen Zhaga Plug & Play PIR Sensor	
431206	16m Alwen Zhaga Plug & Play PIR Sensor	
430569	15m Alwen Zhaga Plug & Play Microwave Sensor	
430625	14m Crown Zhaga Plug & Play truSmart PIR Sensor	

TECHNICAL INFORMATION

Input: 100-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5m H05RN-F cable



Reva

High Bay

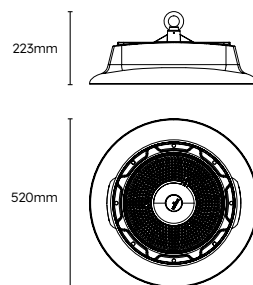
IP69K	IP66	IK08	150	90°	80	60,000	5 YR
Ingress Protection	Ingress Protection	Impact Rating	Lm/W	Beam Angle	CRI	LED Lifespan L70	Product Warranty



NSF International

- Robust, smooth design with no exposed screws
- For use in food and beverage factories, food production and processing factories
- High detergent resistant with 500hrs salt spray test

Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
420642	Reva High Bay	100W	15,000	150
420643	Reva High Bay	120W	18,000	150
420644	Reva High Bay	150W	22,000	150
420645	Reva High Bay	200W	30,000	150

TECHNICAL INFORMATION

Input: 100-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5m H05RN-F cable

Open Warehouse

Racking

Cold Storage

Production Area

Goods In & Dispatch

Canteens & Offices

Loading Bays

Food & drink Production

High Ambient Temperatures

External Walls

Emergency

truSmart
Intelligent Lighting
Compatible



Netherton

Plug & Play High Bay

IP65
Ingress Protection

170
Lm/W

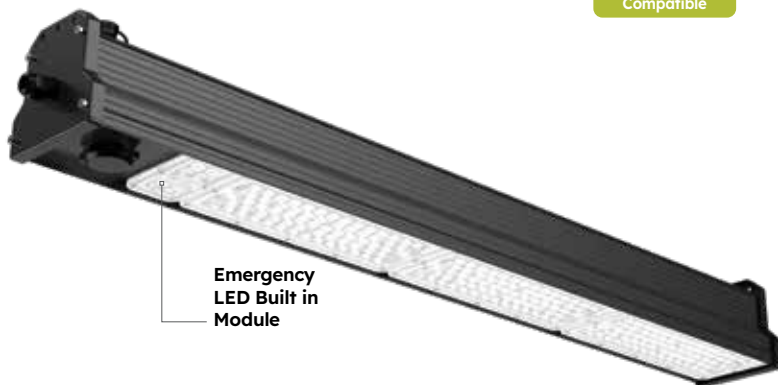
IK08
Impact Rating

60,000
LED Lifespan L70

5 YR
Product Warranty



Selectable Emergency



Emergency LED Built in Module

- Lightweight design
- Optics ideal for racked aisles
- Supplied with 1.5m suspension kit
- 30°x70° or 50°x 90° optic options
- Plug & Play Options:

Alwen Zhaga 15M Microwave sensor

Alwen Zhaga 12M PIR Sensor

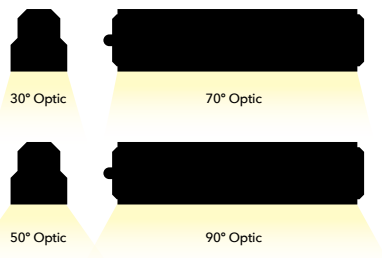
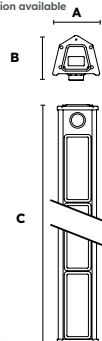
Alwen Zhaga 16M PIR Sensor

Crown Zhaga 14M truSmart PIR sensor

Light Colour Temperature: 5000K



Selectable emergency option available



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
431181	Netherton Linear High Bay - Black Plug & Play	80W	13,600	170
431182	Netherton Linear High Bay - Black Plug & Play	120W	20,400	170
431183	Netherton Linear High Bay - Black Plug & Play	160W	27,200	170
431184	Netherton Linear High Bay - Black Plug & Play	200W	34,000	170

OPTION NO.	DESCRIPTION	LUMENS
430964	Grafham Linear High Bay E-SEL3 Selectable Emergency 650lm	650
431431	Grafham Linear High Bay E-SEL3 Selectable Emergency 1000lm	1000
401754	Remote Control	
430568	12m Alwen Zhaga Plug & Play PIR Sensor	
431206	16m Alwen Zhaga Plug & Play PIR Sensor	
430569	15m Alwen Zhaga Plug & Play Microwave Sensor	
430625	14m Crown Zhaga Plug & Play truSmart PIR Sensor	





CASE STUDY

Daikin Applied UK LTD

Lumineux Lighting recently delivered a state-of-the-art LED lighting solution for Daikin Applied UK Ltd, installing 20 x 200W and 120 x 100W Netherton Linear Highbay fittings paired with truSmart Zhaga Plug & Play 12V PIR sensors. The system was expertly calibrated to meet

precise lux requirements across the facility, including daylight harvesting for enhanced energy efficiency. Seamless integration with existing control systems and tailored staff training ensured Daikin gained a fully optimised, user-friendly lighting environment built for performance and sustainability.





Tempest

Wattage and 2CCT Selectable Anti-Corrosive

2CCT

IP65

Flicker Free

185

BESA Mount

Push-Fit Terminals

Loop in Loop out

70,000

5 YR

Selectable Emergency

A ↑ G

A

Ultra Efficient

- 185lm/W output performance
- Opal Diffuser
- Wattage Selectable and 2CCT
- Pre-threaded M20 cable entry
- Designed for easy and rapid installation

Selectable emergency option available

Light Colour Temperature: 2CCT

PART NO.	DESCRIPTION	WATTS	LUMENS**	LM/W
431341	Tempest Anti-Corrosive 5ft Wattage Selectable Plug & Play	26W/46W	4,800/8,275	185
431342	Tempest Anti-Corrosive 6ft Wattage Selectable Plug & Play	33W/62W	6,100/11,150	185

OPTION NO.	DESCRIPTION
430962	Grafham E-SEL3 Selectable Emergency Module
431346	Alwen Linear Microwave/Step Dim Plug & Play Sensor
430904	Remote Control
-DA	DALI
-TRU	truSmart Microwave Sensor

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -20°C - +45°C* Class: 1 Connection Type: Push Terminal

*Emergency: 0°C - 30°C **Lumens based on 4000K

Tempest

High Output Anti-Corrosive

IP65
Ingress Protection

Flicker Free

180
Lm/W

BESA Mount

Push-Fit Terminals

Loop in Loop out

70,000
LED Lifespan L70

5 YR
Product Warranty

Selectable Emergency

- 180lm/W output performance
- Opal Diffuser
- Pre-threaded M20 cable entry
- Designed for easy and rapid installation

Selectable emergency option available

Light Colour Temperature: **5000K**

102mm
85mm
5ft: 1540mm, 6ft: 1840mm

PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
431343	Tempest Anti-Corrosive 5ft High Output Plug & Play	70W	12,600	180
431344	Tempest Anti-Corrosive 6ft High Output Plug & Play	78W	14,050	180

OPTION NO.	DESCRIPTION
430962	Grafham E-SEL3 Selectable Emergency Module
431346	Alwen Linear Microwave/Step Dim Plug & Play Sensor
430904	Remote Control
-DA	DALI
-TRU	truSmart Microwave Sensor

TECHNICAL INFORMATION
 Input: 220-240V AC Operating Temp: -20°C - +45°C* Class: 1 Connection Type: Push Terminal

*Emergency Temp: 0°C - 30°C

24

Root3 Lighting
 01493 669574
 info@rt3group.co.uk
sales@rt3group.co.uk



Typhoon 3CCT

Anti-Corrosive Single & Twin Output



Wattage
Selectable



3CCT



Ingress
Protection



Flicker
Free



Lm/W



BESA
Mount



Push-Fit
Terminals



Loop in
Loop out



LED Lifespan
L70



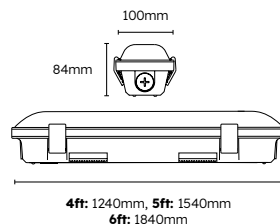
Product
Warranty



Selectable
Emergency



- Unique opal diffuser design for optimum performance and light distribution
- Conduit entry points at both ends
- Suitable for central BESA mounting
- Pre-threaded M20 cable entry



Light Colour Temperature: 3CCT



PART NO.	DESCRIPTION	WATTS	LUMENS**	LM/W
431317	Typhoon Anti-Corrosive 4ft Wattage Selectable Plug & Play	18W/36W	3,050/6,125	170
431318	Typhoon Anti-Corrosive 5ft Wattage Selectable Plug & Play	25W/50W	4,250/8,500	170
431319	Typhoon Anti-Corrosive 6ft Wattage Selectable Plug & Play	28W/56W	4,750/9,500	170

OPTION NO.	DESCRIPTION
430962	Grafham E-SEL3 Selectable Emergency Module
430916	Alwen On/Off Microwave Sensor Module
-DA	DALI

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -30°C - +40°C* Class: 1 Connection Type: Push Terminal

*Emergency: 0°C - 30°C **Lumens based on 4000K



Holywell Plus

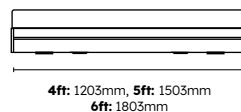
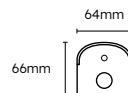
Wattage and 3CCT Selectable Batten



- Wattage Selectable
- Unique opal diffuser design for optimum performance and light distribution
- Steel body construction with powder coat finish
- Conduit entry points at both ends
- Suitable for central BESA mounting
- Additional screw to secure end cap
- High efficiency 160 lm/w



Light Colour Temperature: 3CCT



PART NO.	DESCRIPTION	WATTS	LUMENS**	LM/W
431291	Holywell 4ft Wattage Selectable - White Plug & Play	18W/36W	2,900/5,750	160
431292	Holywell 5ft Wattage Selectable - White Plug & Play	25W/50W	4,000/8,000	160
431293	Holywell 6ft Wattage Selectable - White Plug & Play	28W/56W	4,500/8,975	160

OPTION NO.	DESCRIPTION
430962	Grafham E-SEL3 Selectable Emergency Module
430916	Alwen On/Off Microwave Sensor Module
401752	Alwen PIR Batten Mount Sensor
401755	PIR Sensor Remote Control
-DA	DALI

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +40°C* Class: 1 Connection Type: Push Terminal

*Emergency: 0°C - 30°C **Lumens based on 4000K



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Ultra Efficient

We're redefining efficiency in industrial environments with our range of ultra-efficient LED luminaires. Designed to maximise light output, energy savings, and return on investment, our next-generation solutions deliver reliable performance—creating safer, brighter, and more cost-effective workspaces across warehouses, production areas, and logistics operations.



Derwent



Frankly Plus



Wraysbury



Tempest



Foremark Plus



Wraysbury UGR Plus

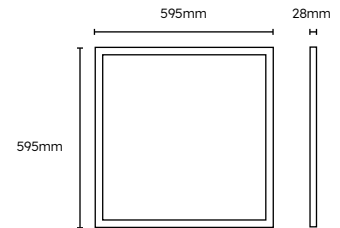
600 x 600 Panel



- **High efficiency, 175 lumens per watt**
- Optic lens for even light distribution
- Better uniformity and heat dissipation
- Microprismatic TP (a) diffuser
- Flicker free driver



Light Colour Temperature: **4000K**



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
431273	Wraysbury Plus Panel 600 x 600 TP (a) - White	18W	3,150	175

OPTION NO.	DESCRIPTION
430147	Ceiling Pattress Kit 600 x 600
430971	Grafham E-SEL3 2W Emergency Pack
430265	Triac Dimmable Driver 10W - 24W
430268	Multi Dimmable Driver (Push Dim, 0-10v & DALI2) 8W - 22W 200-550mA 30-40VDC
410226	Helvar DALI2 8W - 24W 170 -700mA 9 - 52V DC

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +40°C Class: 2 Connection Type: Quick Connector



Wraysbury UGR IP65

600 x 600 Backlit Panel



Ingress Protection



Flicker Free



Beam Angle



LED Lifespan L70



Glare Reducing



Product Warranty

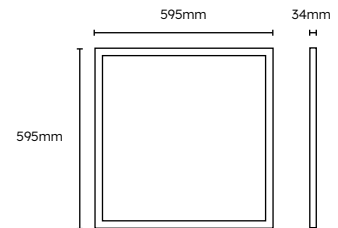


- IP65 panel including IP65 driver
- Optic lens for even light distribution
- Better uniformity and heat dissipation
- Flicker free driver
- Microprismatic TP (a) diffuser
- <19 UGR



UGR <19

Light Colour Temperature: 4000K



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
430236	Wraysbury Panel 600 x 600 TP (a) - White	32W	3,525	110

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +40°C Class: 2 Connection Type: Flying Lead



Eyebrook

Lens Downlight

IP54

Ingress
Protection



60°

Beam
Angle

5 YR

Product
Warranty

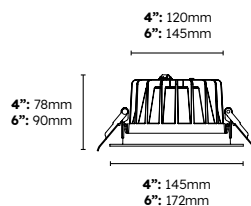
- Interchangeable reflectors and trims.
- Aluminium heatsink provides excellent thermals
- High efficiency up to 130 lm/W



UGR <19

Lens Light Colour Temperature: **4000K**

4000K



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W	
430206	Eyebrook Lens Downlight UGR Semi-Specular 60° 4" - White	13W	1,700	130	130mm
430207	Eyebrook Lens Downlight UGR Semi-Specular 60° 6" - White	18W	2,350	130	155mm
430208	Eyebrook Lens Downlight UGR Semi-Specular 60° 6" - White	25W	3,000	120	155mm
430209	Eyebrook Lens Downlight UGR Semi-Specular 60° 6" - White	35W	3,850	110	155mm

OPTION NO. DESCRIPTION

430971	Grafham E-SEL3 2W Emergency Pack
430265	Triac Dimmable Driver 10W - 24W
430268	Multi Dimmable Driver (Push Dim, 0-10v & DALI2) 8W - 22W 200-550mA 30-40VDC
410226	Helvar DALI2 8W - 24W 170 -700mA 9 - 52V DC

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -20°C - +45°C* Class: 2 Connection Type: Flying Lead

*Emergency: 0°C - 30°C





OPTION NO. DESCRIPTION

430211	4" Reflector Specular
430212	4" Reflector - Black
430213	4" Reflector - White
430258	4" Reflector - Silver
430545	4" Reflector - Copper
430214	6" Reflector Specular
430215	6" Reflector - Black
430216	6" Reflector - White
430259	6" Reflector - Silver
430546	6" Reflector - Copper
430217	4" Bezel Black
430218	6" Bezel Black
430219	4" Trim Anti-Tamper
430220	4" Trim Drop Glass
430221	4" Trim Halo
430222	6" Trim Anti-Tamper
430223	6" Trim Drop Glass
430224	6" Trim Halo
430210	6" to 8" Extender



Loscoe

High Temperature High Bay

IP66

Ingress Protection

IK09

Impact Rating

115°

Beam Angle

160

Lm/W

5 YR

Product Warranty

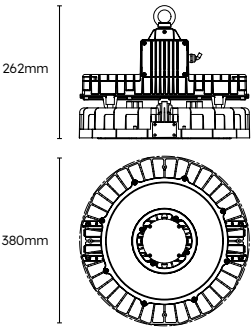
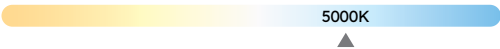


- C4 Corrosion protection
- Impact resistant tempered glass
- High ambient temperature up to 70°C
- Outstanding cooling performance with excellent air cross-ventilation design

Suitable for high ambient temperatures

- Steel works
- Power stations

Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
430161	Loscoe High Bay 120° Glass - Black	120W	19,200	160
430162	Loscoe High Bay 120° Glass - Black	150W	24,000	160
430163	Loscoe High Bay 120° Glass - Black	200W	32,000	160

TECHNICAL INFORMATION

Input: 120-240V AC Operating Temp: -30°C - +70°C Class: 1 Connection Type: 1.5m H05RN-F cable



Frankly Plus

Floodlight - Asymmetric

IP66

Ingress Protection

IK08

Impact Rating

180

Lm/W

70

CRI

60,000

LED Lifespan L70

5 YR

Product Warranty

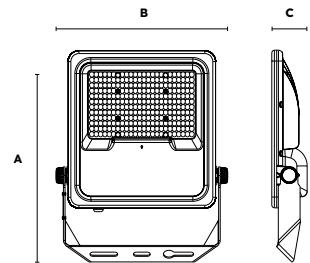
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Ultra Efficient

- Asymmetric optic - 50° x 120° P55D
- Supplied with 1.5M prewired H05RN-F cable
- Angled bracket for ease of installation
- 6kVA L/N-PE surge protection
- Diecast aluminium body
- Breather valve to prevent condensation

Light Colour Temperature: 4000K



PART NO.	DESCRIPTION	A	B	C	WATTS	LUMENS	LM/W
430974	Frankly Plus Floodlight Black	344mm	269mm	65mm	50W	9,000	180
430975	Frankly Plus Floodlight Black	390mm	317mm	65mm	75W	13,500	180
430976	Frankly Plus Floodlight Black	390mm	317mm	65mm	100W	18,000	180
430977	Frankly Plus Floodlight Black	420mm	349mm	65mm	150W	27,000	180
430979	Frankly Plus Floodlight Black	459mm	387mm	65mm	200W	36,000	180
430980	Frankly Plus Floodlight Black	499mm	441mm	70mm	240W	43,000	180
430981	Frankly Plus Floodlight Black	499mm	441mm	70mm	300W	54,000	180

OPTION NO. DESCRIPTION

-DD Dusk to Dawn (50W, 75W, 100W, 150W and 200W only)

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -30°C - +45°C Cable Length: 1.5m H05RN-F cable Class: 1 Connection Type: Flying Lead

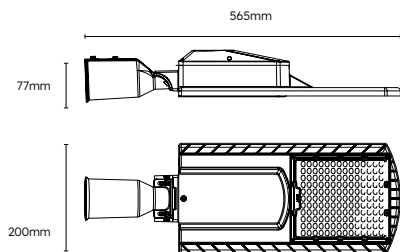


Windermere

Streetlights

IP66 Ingress Protection	IK10 Impact Rating	110° Beam Angle	80 CRI	50,000 LED Lifespan L70	5 YR Product Warranty
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- Type III optic
- Supplied with NEMA socket with 15kA Surge Protected shorting cap
- TE Photocell option with a 15kA Surge Protection
- One piece, die-cast housing with UV resistant polycarbonate optical lens
- Integral cooling fin provides excellent thermal dissipation
- Supplied with rotating, adjustable bracket
- Additional, multi-bracket options available



Light Colour Temperature: **4000K**



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
430611	Windermere Streetlight Basalt Grey	30W	4,350	145
430612	Windermere Streetlight Basalt Grey	50W	7,250	145
430613	Windermere Streetlight Basalt Grey	70W	10,150	145

OPTION NO.	DESCRIPTION
430670	TE Nema Photocell Sensor with Surge Protector

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -20°C - +30°C Cable Length: 1.5m H05RN-F cable Class: 1 Connection Type: Flying Lead



Hawkridge

Wattage and 3CCT Selectable Wall Pack



- Tough aluminium body with polycarbonate diffuser
- LED lifespan 50,000 hours L70
- Standard, emergency and dusk to dawn options available
- IK08 impact rated
- Selectable wattages
- No upward light

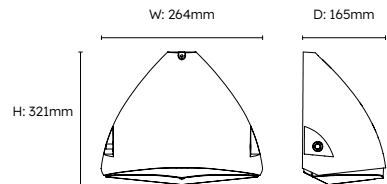
Light Colour Temperature: 3CCT



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
430698	Hawkridge Asymmetric Wallpack - Black	18W/28W	1,975/3,075	110

OPTION NO. DESCRIPTION

-M3	Emergency
-DD	Dusk to Dawn
-M3-DD	Emergency Dusk to Dawn



TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -20°C - +40°C Class: 1 Connection Type: Push Terminal

*Emergency Temp: 0°C - 30°C



Rydal

Wattage & 3CCT Selectable Asymmetric Wallpack

Wattage Selectable

3CCT

Ingress Protection

Impact Rating

Lm/W

CRI

LED Lifespan L70

BESA Mount

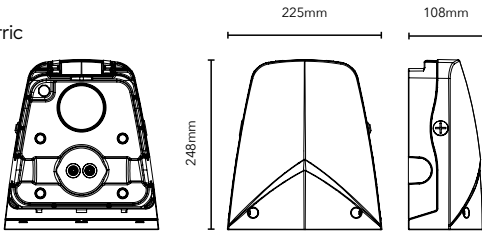
Product Warranty



- Dusk to Dawn sensor option built in as standard
- Hinged front provides quick access & ease of installation
- Product can be wall mounted over a standard round BESA box, providing efficient & secure dual sided conduit cable entry points
- Rydal wallpack is designed to reduce light pollution using Asymmetric optics, perfect for outdoor lighting
- Asymmetric optic - 70° x 140°
- No upward light, Reducing light pollution



Light Colour Temperature: 3CCT



PART NO.	DESCRIPTION	WATTS	LUMENS**	LM/W
431139	Rydal Wallpack - Black	15W/22W/30W	2,250/3,300/4,500	150

OPTION NO. DESCRIPTION

-E3	E-SEL3 Emergency
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TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -20°C - +45°C* Class: 1 Connection Type: Push Terminal

*Emergency: 0°C - 30°C **Lumens based on 4000K

Leighton

Wattage selectable Bollards

Wattage Selectable

IP66

Ingress Protection

IK10

Impact Rating

150

Lm/W

BESA Mount

Push-Fit Terminals

5 YR

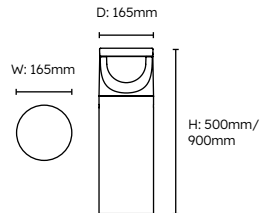
Product Warranty



- Tough aluminium body with polycarbonate optical lens
- LED lifespan 60,000 hours L70
- IK10 impact rated



Light Colour Temperature: 4000K



PART NO.	DESCRIPTION	WATTS	LUMENS**	LM/W
431137	Leighton Bollard Head - Black	7W/11W/16W/24W	1,050/1,650/2,400/3,600	150
430688	Leighton Bollard Post 500mm with Root Kit - Black	-	-	-
430689	Leighton Bollard Post 900mm with Root Kit - Black	-	-	-

OPTION NO.	DESCRIPTION
430692	Leighton Visor - Black

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -20°C - +45°C* Class: 1 Connection Type: Push Terminal

*Emergency: 0°C - 30°C **Lumens based on 4000K



Is your Emergency Lighting up to Standard?

We offer a full and free survey on emergency lighting, ensuring your safety lighting fits your needs and meets the latest regulations. All of our emergency fittings now come with E-SEL3 selectable emergency fitted as standard - this gives the installer the option to select either a Self-Test or Manual emergency function. This offers flexibility, easier maintenance, and better compliance. Self-test saves time and labour by automatically checking for faults, while manual mode gives full control when needed helping ensure reliability and reduced costs.





Darwell

Emergency Bulkhead



Ingress Protection



Push-Fit Terminals



Battery Warranty



Product Warranty



Selectable Emergency



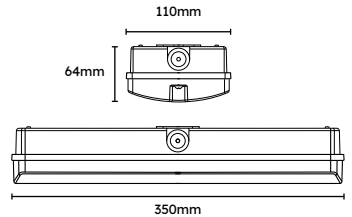
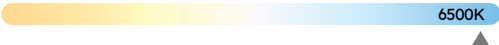
Long life Lithium Battery inside



Self-adhesive legend kit included

- Switchable emergency - Self-Test / Manual
- Maintained / Non-maintained
- Multiple 20mm conduit entry
- Loop in / Loop out terminals

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430950	Darwell Emergency E-SEL3 Emergency Bulkhead	4W	250

Emergency: 1.5W @ 160lm

EMERGENCY INFORMATION

Battery Type: LifePO4 Battery Capacity: 1500mAh Emergency Duration: 3 Hours Emergency Type: Maintained/Non-maintained

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Push Terminal



Draycote

Emergency Twin Spot



Ingress Protection



Push-Fit Terminals



Battery Warranty



Product Warranty



Selectable Emergency

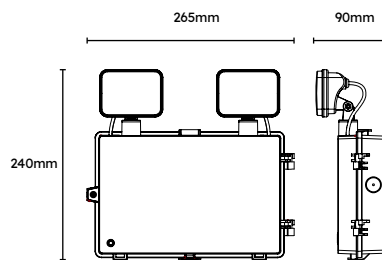


Long life Lithium Battery inside



- Black/White polycarbonate body
- E-SEL3 Self-Test and Manual Switchable via dip-switch
- 360° Directional Heads
- Non-maintained only
- 20mm conduit entry - Side, Base & Rear
- Loop in / Loop out terminals

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430951-BL	Draycote Twin Spot - Black	4W	600
430951-WH	Draycote Twin Spot - White	4W	600

EMERGENCY INFORMATION

Battery Type: LifePO4 **Battery Capacity:** 7200mAh **Emergency Duration:** 3 Hours **Emergency Type:** Non-maintained

TECHNICAL INFORMATION

Input: 220-240V AC **Operating Temp:** 0°C - +30°C **Class:** 2 **Connection Type:** Push Terminal



Redbrook

Emergency Exit Box

IP20

Ingress Protection

5 YR

Battery Warranty

Push-Fit Terminals

5 YR

Product Warranty

24M

Viewing Distance

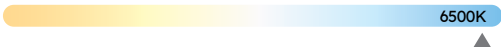
Selectable Emergency

LiFePO4

Long life Lithium Battery inside

- 20mm conduit entry on side, rear & top
- E-SEL3 Manual / Self Test selection inside
- Included in Box 4 legends, up, down, left & right (ISO7010 Legends as Standard)

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430952-BL	Redbrook Emergency Exit Box - Black	3.5W	25
430952-WH	Redbrook Emergency Exit Box - White	3.5W	25

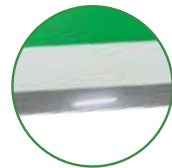
Emergency: 90lm

EMERGENCY INFORMATION

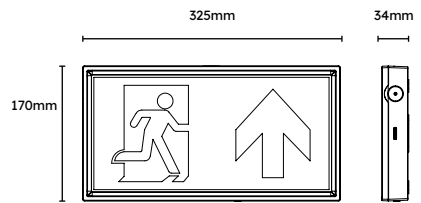
Battery Type: LifePO4 **Battery Capacity:** 1600mAh **Emergency Duration:** 3 Hours **Emergency Type:** Maintained

TECHNICAL INFORMATION

Input: 220-240V AC **Operating Temp:** 0°C - +30°C **Class:** 2 **Connection Type:** Push Terminal



Emergency Task Light





Fontburn

5 in 1 Emergency Exit Sign



Ingress Protection



Battery Warranty



Product Warranty



Viewing Distance



Selectable Emergency

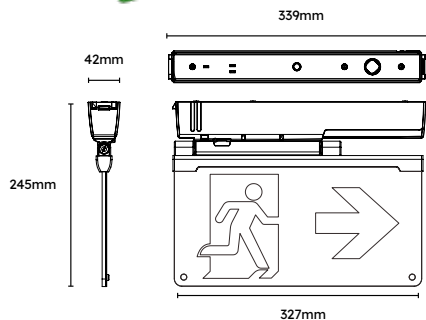
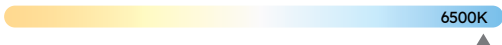


Long life Lithium Battery inside



- White/Black polycarbonate body with polycarbonate legends
- Maintained
- E-SEL3 Manual / Self Test selection inside
- Included in Box: 3 Legends for changing (UP/LEFT and RIGHT)

Light Colour Temperature: **6500K**



PART NO.	DESCRIPTION	WATTS	LUMENS
430953-BL	Fontburn Emergency Exit Sign - Black	2.5W	45
430953-WH	Fontburn Emergency Exit Sign - White	2.5W	45

Emergency: 18lm

OPTION NO.	DESCRIPTION
430944	Down Legend Set
430956	Emergency Sign Track Adaptor

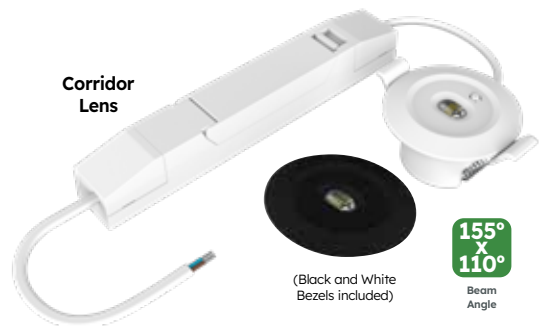
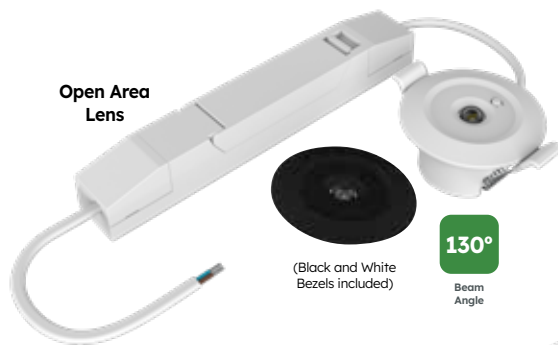


EMERGENCY INFORMATION

Battery Type: LiFePO4 Battery Capacity: 1500mAh Emergency Duration: 3 Hours Emergency Type: Maintained/Non-maintained

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Push Terminal



Woodhead

Emergency Downlight

IP20
Ingress Protection

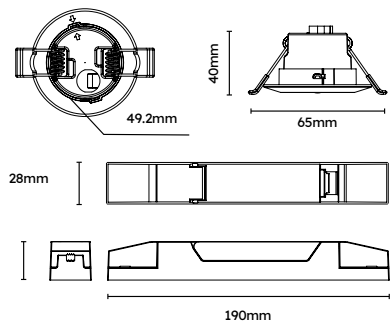
5 YR
Battery Warranty

5 YR
Product Warranty

Selectable Emergency

LiFePO4
Long life Lithium Battery inside

- Black and White Bezel included
- LifePO4 battery
- E-SEL3 Manual / Self-Test selection inside
- Non-Maintained
- Recessed installation



Light Colour Temperature: **6500K**



PART NO.	DESCRIPTION	WATTS	LUMENS	
430958	Woodhead Emergency Downlight Open Area	1W	100	50mm
430959	Woodhead Emergency Downlight Corridor	1W	100	50mm

Emergency: 90lm

EMERGENCY INFORMATION

Battery Type: LifePO4 **Battery Capacity:** 1600mAh **Emergency Duration:** 3 Hours **Emergency Type:** Non-Maintained

TECHNICAL INFORMATION

Input: 220-240V AC **Operating Temp:** 0°C - +30°C **Class:** 2 **Connection Type:** Flying Lead



Napton

High Output Emergency

IP65

Ingress Protection

Push-Fit Terminals

BESA Mount

2 YR

Battery Warranty

5 YR

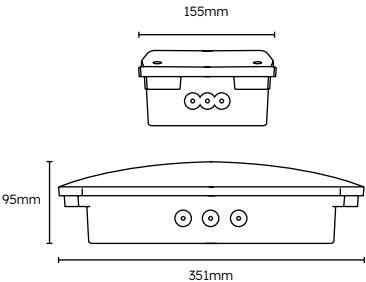
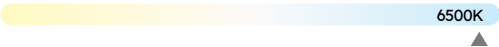
Product Warranty

LiFePO4

Long life Lithium Battery inside

- Suitable for high-risk areas
- Polycarbonate body and diffuser
- Multi 20mm conduit entry

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430702	Napton High Output Emergency	6W	910

EMERGENCY INFORMATION

Battery Type: LifePO4

Battery Capacity: 3300mAh

Emergency Duration: 3 Hours

Emergency Type: Non-maintained

TECHNICAL INFORMATION

Input: 220-240V AC

Operating Temp: 0°C - +40°C

Class: 2

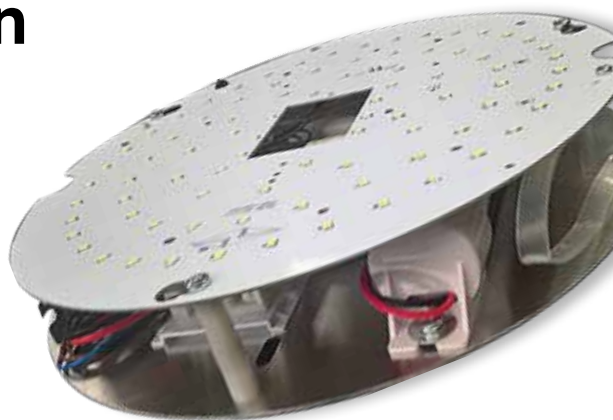
Connection Type: Push Terminal



Product Modification and Customisation

It's not just about providing quality light fittings it's about making them suitable for the environments they reside within. We have an assembly factory that specialises in modifying our light fittings to suit the needs of the project. This may include:

- **Bespoke geartrays and LED unit upgrades**
- **Circuit board modifications**
- **Emergency sensor upgrades**
- **Performance driver upgrades**
- **Extended battery units**
- **Optic changes**
- **Modified brackets and clips**





truSmart
intelligent controls

Smart Lighting

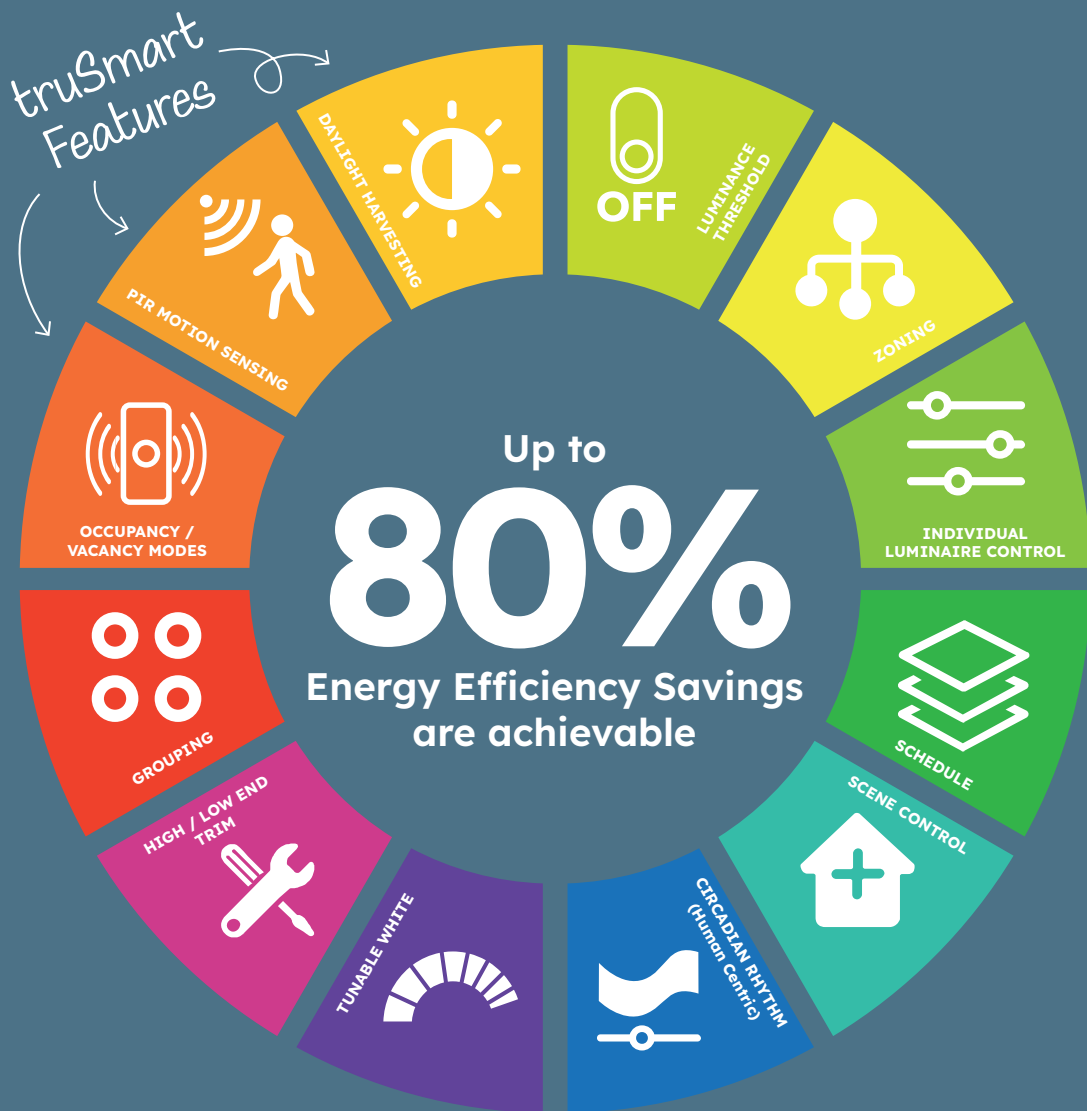
truSmart Intelligent Lighting is the smart choice for any Industrial environment, offering total control over lighting to create the perfect setting for performance, safety, and experience. Whether it's adjusting brightness, setting the ideal colour temperature, or programming lighting scenes for different settings or times of day, truSmart gives you complete flexibility—while ensuring energy is used efficiently.

Designed with simplicity in mind, truSmart systems can be managed effortlessly via a mobile app or the truSmart Controller, making them easy for venue staff to operate without technical expertise.

Smart occupancy sensors, such as PIR detectors, are a valuable addition in high-traffic areas like locker rooms, corridors, and concourses. These sensors automatically switch off lighting when areas are unoccupied, helping reduce energy costs and supporting your sustainability goals.

Look for the truSmart logo on our products, it means you're choosing intelligent technology that adapts to your needs, supports environmental responsibility, and helps create a high-performance and safe environment for staff.





What features do I need?

truSmart does so much – sometimes it can be overwhelming. That's why we offer free consultations with our lighting experts, to understand exactly what you are looking to achieve and to build a tailored solution for you. If you have any questions, or would like to know more about truSmart, please visit www.lumineux.co.uk



Streamline your emergency
lighting maintenance

Stay Compliant. Stay Connected.

Reliable self-healing mesh network



Reduce your cost



Luminaire Status Monitoring



Proactive maintenance



Stays compliant with real time reporting



Lumiwave
reportable emergency

Your full reportable emergency system

Take control of your emergency lighting system with cutting edge technology that keeps you connected, compliant and saves you money.

What is Lumiwave reportable emergency?

Introducing our wireless emergency lighting control system. Using a robust mesh network and DALI protocols, it ensures compliance and provides peace of mind. The local system stores compliance data, which can be retrieved via USB, while the Pro cloud version stores data and reports on your lighting's status. Failures are instantly reported with exact location details on a floorplan, enabling a fix-first maintenance visit.



Root3 Lighting,
1 Waveney Park,
Hewett Road,
Gapton Hall Industrial Estate,
Great Yarmouth,
NR31 0NN

01493 669574
info@rt3group.co.uk
sales@rt3group.co.uk

Opening Times

Mon - Fri : 8:30am - 5:00pm
Sat - Sun - Closed