



LumiWave 

Smarter Emergency Compliance



The challenge
is no longer
carrying
out testing...

THE CHALLENGE

Emergency lighting is one of the most important life-safety systems within a building.

Yet many organisations still rely on manual testing, paper records and reactive maintenance to manage compliance.

As buildings become more complex and compliance expectations continue to evolve, maintaining visibility and confidence becomes increasingly difficult.

KEY CHALLENGES

Manual testing processes

Paper-based records

Delayed fault identification

Increasing compliance expectations

Labour-intensive administration

Limited system visibility



...The challenge is
**proving
 compliance.**

COMPLIANCE HAS CHANGED

Traditional compliance was built around periodic inspections and paper records.

Today, organisations need instant access to information, greater accountability and complete visibility of system performance.



TRADITIONAL COMPLIANCE

Manual testing

Paper logbooks

Reactive
maintenance

Limited
visibility

SMARTER COMPLIANCE

Automated testing

Digital records

Real-time visibility

Faster response
times

Compliance

is no longer just
about testing.
Its about
proving it.





WHAT IS LUMIWAVE

LumiWave is a connected emergency lighting monitoring platform designed to simplify compliance and improve visibility.

Combining intelligent emergency luminaires, LoRaWAN communication technology, gateways and management software, LumiWave creates a smarter way of managing emergency lighting.

KEY BENEFITS

Automated Testing

Instant Alerts

Digital Compliance

Wireless Connectivity

Local or Cloud

Multi-Site Management



Less paperwork more confidence

AUTOMATED TESTING

Routine testing remains essential.

The process does not need to be.

LumiWave automates function and duration testing according to programmed schedules, helping reduce administrative burden and improve consistency.



KEY BENEFITS

Automated
scheduling

Automatic
reporting

Reduced
administration

Improved
compliance
visibility

REAL-TIME FAULT IDENTIFICATION

When faults occur, speed matters.

LumiWave provides real-time visibility of device status, helping maintenance teams identify, locate and resolve issues quickly.



Know about issues.
Know where they are.

TRADITIONAL COMPLIANCE

Find the fault.

Investigate.

Resolve.

LUMIWAVE APPROACH

Identify.

Locate.

Resolve.

Audit ready. Every day.

COMPLIANCE REPORTING

Every test. Every event. Every record.

LumiWave automatically creates digital compliance records, helping organisations maintain accurate and accessible documentation.

REPORTING FEATURES

Monthly Reports

Annual Reports

Audit Records

Export Functions



One
platform
Complete
visibility

WHY LORAWAN?

LumiWave is powered by LoRaWAN wireless technology.

Designed for large-scale building environments, LoRaWAN delivers reliable communication, excellent building penetration and scalable performance.



**Built for real buildings.
Not laboratory environments.**

LORAWAN VS BLUETOOTH MESH

Not all wireless technologies are designed for the same applications.

LoRaWAN provides long-range communication and direct gateway connectivity, helping simplify deployment and support larger installations.



BLUETOOTH MESH

- Mesh dependency
- Greater infrastructure requirements
- Higher complexity
- Shorter range



- Scalable
- Fewer gateways
- Lower infrastructure requirements
- Long range

Designed to scale with your estate.



Flexible. Secure. Scalable.

LOCAL OR CLOUD?

Choose the deployment model that best fits your organisation.

LOCAL

Local data storage

Dedicated touchscreen interface

Ideal for single sites

On-site control

CLOUD*

Remote access

Multi-site visibility

Centralised reporting

Estate-wide management



* Cloud based services will require a subscription

THE LUMIWAVE RANGE

A complete ecosystem of connected emergency lighting products. Every product is designed to integrate seamlessly into the LumiWave platform, helping support a unified compliance strategy.



- Exit Signs
- Emergency Bulkheads
- Twin Spots
- Emergency Downlights
- Emergency Panels

Elara

Exit Box White



IP20

Ingress Protection

30M

Viewing Distance

BESA Mount

5 YR

Battery Warranty

5 YR

Product Warranty



- Maintained & Non-Maintained
- Cable Entry Points: Side, Top & Rear
- LiFePO4 battery technology
- Includes Up & Down Arrow
- Additional downward light

GENERAL INFORMATION

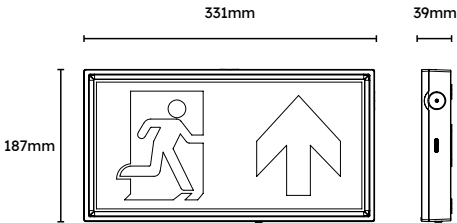
Part Number	470084-WH
Description	Exit Box White
Watts	2W (Charging)

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

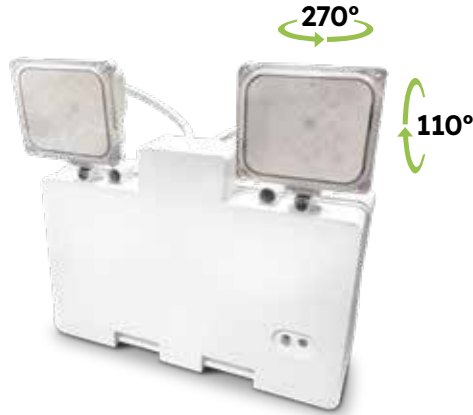
EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 2000mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Calypso

Twin Spot 4W White



- Non-Maintained
- Cable Entry Points: Side & Rear
- LiFePO4 battery technology
- Battery temperature protection
- Bracket to mount upside down included

GENERAL INFORMATION

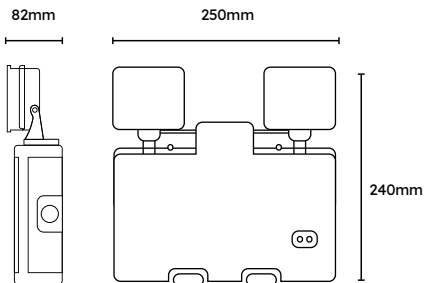
Part Number	470091-WH
Description	Twin Spot White
Watts	4W
Lumens	450 Lm

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

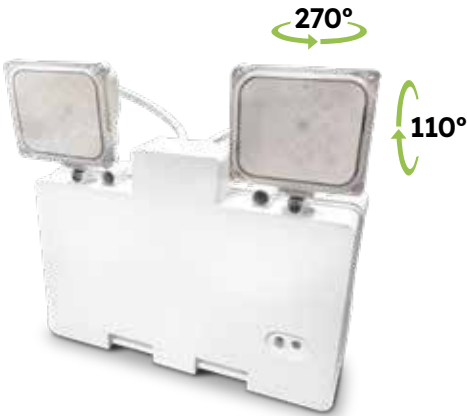
EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 7200mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Calypso

Twin Spot 8W White



IP65

Ingress Protection

BESA Mount

BESA Mount

5 YR

Battery Warranty

5 YR

Product Warranty

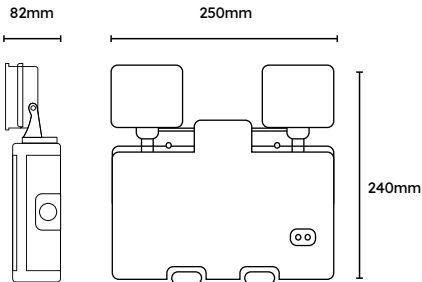


- Non-Maintained
- Cable Entry Points: Side & Rear
- LiFePO4 battery technology
- Battery temperature protection
- Bracket to mount upside down included

GENERAL INFORMATION	
Part Number	470092-WH
Description	Twin Spot White
Watts	8W
Lumens	900 Lm

TECHNICAL INFORMATION	
Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

EMERGENCY INFORMATION	
Battery Type	LifePO4
Battery Specification	6.4V / 4800mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Charon

Surface Downlight White Open Area



- Non-Maintained
- LiFePO4 battery technology
- Battery temperature protection
- Round/oval lens interchangeable; Round lens for open areas, oval lens for corridors available (470027)

GENERAL INFORMATION

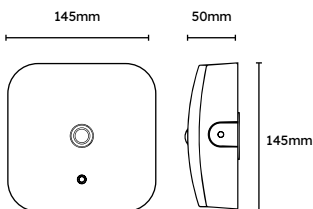
Part Number	470088-WH
Description	Surface Downlight White Open Area
Watts	3W
Lumens	350 Lm

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

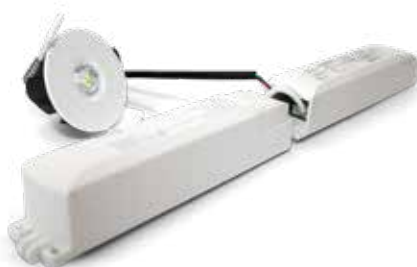
EMERGENCY INFORMATION

Battery Type	LiFePO4
Battery Specification	3.2V / 4000mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Rhea

Pin-Spot White Open Area



- Non-Maintained
- LiFePO4 battery technology
- Battery temperature protection
- LED charge status display
- An ideal solution for ceiling constructions with void heights - as small as 130 mm
- Additional Bezels for larger cut-outs available

GENERAL INFORMATION

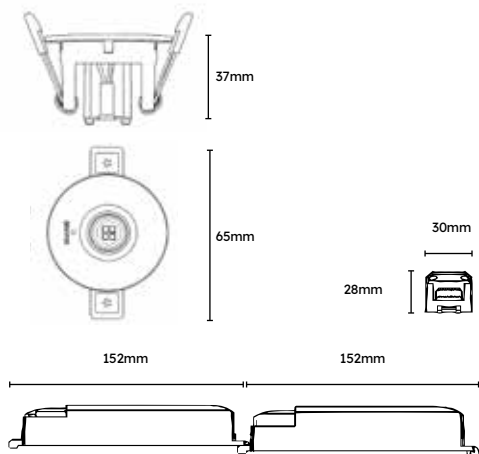
Part Numbers	470086-WH
Description	Pin-Spot White Open Area
Watts	2W (Charging) 2W (Emergency)
Lumens	270 Lm

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

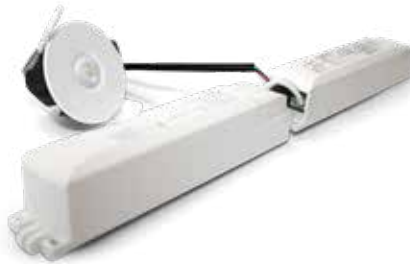
EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 3600mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Rhea

Pin-Spot White Corridor



- Non-Maintained
- LiFePO4 battery technology
- Battery temperature protection
- LED charge status display
- An ideal solution for ceiling constructions with void heights - as small as 130 mm
- Additional Bezels for larger cut-outs available

GENERAL INFORMATION

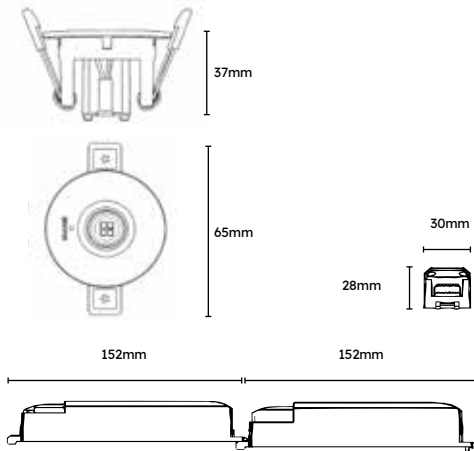
Part Numbers	470097-WH
Description	Pin-Spot White Open Area
Watts	2W (Charging) 2W (Emergency)
Lumens	270 Lm

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 3600mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Triton

Exit Blade White



IP20

Ingress Protection

30M

Viewing Distance

BESA Mount

5 YR

Battery Warranty

5 YR

Product Warranty



- Maintained & Non-Maintained
- LiFePO4 battery technology
- Suspension Kit available
- Complete set of arrow legends (6 pcs)
- Battery temperature protection

GENERAL INFORMATION

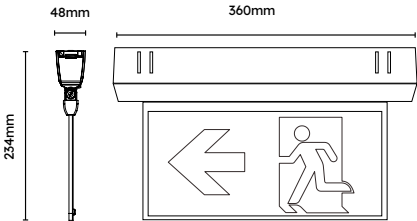
Part Number	470083-WH
Description	Exit Blade White
Watts	2W (Charging) 1W (Emergency)

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 2000mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



UKCA CE

LoRaWAN

LiFePO4

Luna

Bulkhead White



- Maintained & Non-Maintained
- Cable Entry Points: End, Side & Rear
- LiFePO4 battery technology
- Battery temperature protection

GENERAL INFORMATION

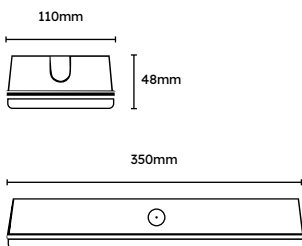
Part Number	470080-WH
Description	Bulkhead White
Watts	3W (Charging) 1.5W (Emergency)
Lumens	270lm Emergency, 350lm Maintained

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 2000mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



Metis

Remote Pack



IP20

Ingress Protection

5 YR

Battery Warranty

5 YR

Product Warranty

Wireless Reportable

- Maintained & Non-Maintained
- LiFePO4 battery technology
- Supplied with jack connectors
- Battery temperature protection

GENERAL INFORMATION

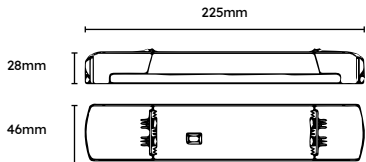
Part Number	470087
Description	Remote Pack
Watts	5W-Charging / 2W-Emergency
Lumens	N/A

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Output	25-45V DC
Operating Temp	0°C - +40°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 1800mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained



UK
CA

CE

LoRaWAN

LiFePO4

Leda

Bulkhead White



Ingress Protection



BESA Mount



Battery Warranty



Product Warranty



Wireless Reportable

- High Output
- Wireless Reporting
- LiFePO4 battery technology
- Battery temperature protection

GENERAL INFORMATION

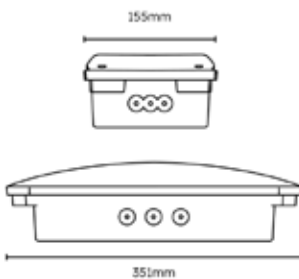
Part Number	470081-WH
Description	8W Bulkhead White
Watts	8W
Lumens	1000lm

TECHNICAL INFORMATION

Input	200-240V AC, 50/60Hz
Operating Temp	0°C - +30°C
Class	II
Standards	BS 5266-1, EN 1838, EN 60598-2-22

EMERGENCY INFORMATION

Battery Type	LifePO4
Battery Specification	3.2V / 13600mAh
Emergency Duration	3 Hours
Emergency Type	Non-maintained





Gateways

Gateway infrastructure is engineered specifically for each project. Following assessment of the installation environment, the appropriate gateway type and quantity are specified to ensure reliable communication and optimum system performance. Reliable LoRaWAN wireless connectivity

- Optimised coverage through site-specific gateway placement
- Compatible with local and cloud system architectures
- Simplifies commissioning and system expansion
- Provides a stable foundation for long-term compliance monitoring
- IP65 Rated option available
- Server rack mount option

GENERAL INFORMATION

Part Number	470085
Description	LumiWave Ariel Gateway



Touchscreen Interface

The LumiWave touchscreen provides a simple and intuitive local interface for monitoring and managing the emergency lighting system on site.

- PoE or mains powered
- 15.6" and 21" screen size options
- Wall-mounted or desk-mounted configurations
- Clear system overview with graphical floor plan display
- Simple, user-friendly interface for routine testing and fault identification
- Direct access to compliance reports and system status
- Easily programme test schedules

GENERAL INFORMATION

Part Number	470089
Description	LumiWave Proteus Touchscreen Controller 15.6"

GENERAL INFORMATION

Part Number	470090
Description	LumiWave Proteus Touchscreen Controller 21"



WHY PARTNER WITH LUMINEUX?

More than products. A partner you can rely on.



LIGHTING DESIGN

Helping ensure the right emergency lighting solution for every project



SITE SURVEYS

On-site assessments to support specification and compliance requirements



ROI ASSESSMENTS

Demonstrating the operational and financial benefits of smarter compliance



DEDICATED SUPPORT

Expert guidance from specification through to installation and operation



LumiWave

**Connected Monitoring. Automated Testing.
Complete Confidence.**

LumiWave transforms emergency lighting compliance from a reactive, labour-intensive process into a connected, intelligent system designed for modern buildings.



**AUTOMATED
TESTING**



**REAL-TIME
FAULT VISIBILITY**



**DIGITAL COMPLIANCE
RECORDS**



**LOCAL OR CLOUD
DEPLOYMENT**



**MULTI-SITE
MANAGEMENT**

Smarter Emergency Compliance

Backed by over 40 years of lighting expertise.



**The challenge is no longer
carrying out testing.**

**The challenge is proving
compliance.**



LumiWave

helps you do both

NOTES

[illegible]



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