VENTILUX

THE EMERGENCY LIGHTING SPECIALISTS

MANUFACTURING WORLD-CLASS EMERGENCY LIGHTING SOLUTIONS
IN IRELAND FOR OVER 30 YEARS

Background

The Head Office in Bray, Co.Wicklow, Ireland, is the centre of the Ventilux operation, with over 35,000 sq. ft. of state-of-the-art production facilities, research and development laboratories, in-house training centre and global distribution warehouse. Liverpool is the UK base for distribution, sales order processing and in-house conversions. Ventilux designs, manufactures and offers an extensive range of safety system products and services, including Emergency Lighting, Central Battery Systems, Luminaire Conversion Equipment, Nurse Call, Emergency Lighting Commissioning, Service and Maintenance. Ventilux was founded in 1986, and has since grown steadily to become one of the largest Independent Emergency Lighting Manufacturers in Europe & the Middle East.

Ventilux operate, and are certified to, ISO 9001:2015. Modern manufacturing technology combined with stringent quality control ensures that Ventilux products provide the customer with top quality and excellent value for money. In Ventilux we have a highly experienced and talented R&D Department who are consistently designing products that reduce contractors' project costs and also reduce our clients' day-to-day costs.

Failure Rate (Currently 1 in 1,000 luminaires)

Since our founding in 1986, Ventilux has believed that quality of product and service is the most important aspect of our business. We recognise the value of having the ability to demonstrate our commitment to quality, both to existing and potential customers. The responsibilities of the Ventilux Quality Team, include, amongst other things retention of the ISO 9001 certification through annual audits with NSAI (National Standards Authority Of Ireland). The team plays an integral part in monitoring returns of all Ventilux products which currently runs a rate of 1 in 1,000 fittings manufactured.

BSI Kitemark

The BSI Kitemark is a registered certificate mark owned and operated by the British Standards Institute (BSI). It is one of the most recognised symbols of quality and safety in the world and offers true value to customers, business and procurement practices. Ventilux were audited before they were awarded a Kitemark licence, then our production facilities are re-audited twice annually to maintain our Kitemark licences. In addition our emergency lighting products are re-audited twice annually to ensure that they maintain the same quality, safety and compliance to EN60598-2-22. Combined with the world renowned and independent backing of the British Standards Institute – a UKAS accredited organisation no other certification mark carries the same weight or significance as the BSI Kitemark. As the BSI Kitemark is a voluntary certification system it shows Ventilux's commitment to delivery of safe, reliable and compliant emergency lighting products to the end user. Because of this, you will know from the start that your emergency lighting products will consistently deliver the highest standards of Kitemark quality. When a lighting product attains the BSI Kitemark, it sends out a clear message to consultants and electrical contractors that the highest standards of quality, safety and compliance are consistently being achieved.

ISO 9001:2015

Ventilux was awarded ISO standard in 1993. This standard, which was designed and is updated at regular intervals by industry experts is an extremely effective way for businesses to ensure that all controls required to guarantee consistency of quality are in place, and regularly reviewed. The Ventilux Quality Team are available to deal with, and bring to a swift resolution, any customer queries or problems. Customer satisfaction is of paramount importance to all Ventilux Employees, and is our commitment to the customer, which we believe has contributed to our success and longevity.

Quality Policy

It is the policy of Ventilux Limited to operate a Quality Management System that will meet applicable requirements. Our Quality Management System will be appropriate to the purpose and context of the organisation, and support its strategic direction. Ventilux Limited will strive to create a quality philosophy of "Getting it right first time" through achieving and reviewing quality objectives, where all employees play an integral part in continuous improvement of the effectiveness of the Quality Management System. The quality policy, mission statement, and the requirements of the Quality Manual are issued on the authority of Senior Management and their implementation is mandatory.

Ventilux Warranty Policy

For up to date warranty terms and conditions please contact Ventilux sales office.

SAL-103-03

"Our Mission is to become a World Class Supplier of Emergency Lighting and Associated Testing System. By involving all employees in exceeding our customers expectations, we will provide the highest quality of products, service and delivery at a competitive price, thereby ensuring the profitable long term growth of the company."

Brendan Walsh

Brendan Walsh MAI, MSc, CEng
Chairman

SYSTEMS & LIGHTING DESIGN

LIGHTING DESIGN OVERVIEW

VENTILUX prides itself on its flexible Engineering Design Department. This department consists of technical expert engineers, all highly trained & dedicated to developing cost effective Emergency Lighting designs. Our design experts plan, budget and design for client specific requirements. Our design team utilise various state-of-the-art design software packages to ensure quality and compliance in our Emergency Lighting designs.

PROJECTS

Ventilux have undertaken many emergency lighting projects across Europe and the Middle East, and are able to supply our products globally.

DESIGN STANDARDS

Ventilux provides designs to markets all across the world and ensure that the designs created are meeting the required standards, for example:

- **Irish Standards** (NSAI-I.S 3217.2013 + A1:2017).
- **British Standards** (BS 5266)
- **Qatar Civil Defence** (QCD)
- **UAE Standards** (NFPA 101)

CENTRAL BATTERY SYSTEMS

This state-of-the-art entertainment venue, which is one of the most advanced arenas in the world is situated in the heart of Dublin's docklands. Ventilux supplied the central battery system for the emergency lighting, along with conversions of the emergency luminaires.

LEVEL OF COMPETENCE

All Ventilux lighting design engineers have completed the **QQI Level 6 certificate** training in Emergency Lighting Design and Commissioning.

Ventilux has the ability to project manage small, medium and large projects, from design phase to commissioning and handover. We have specialist engineers to provide technical assistance at all times to ensure complete peace of mind.
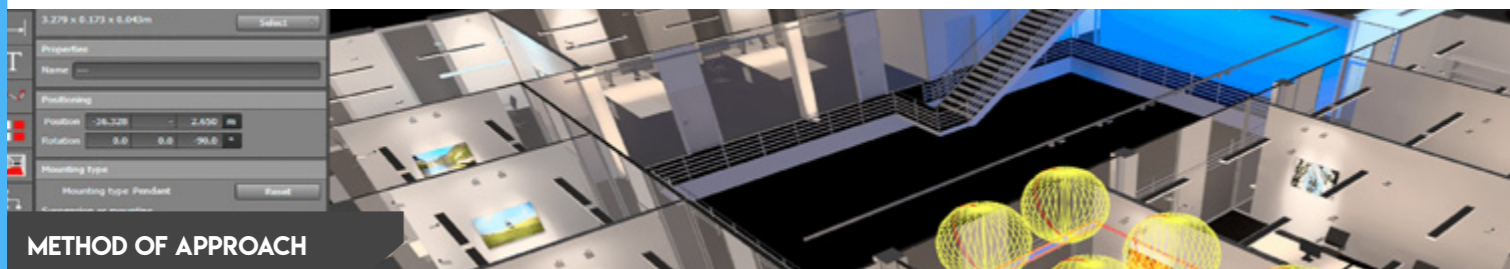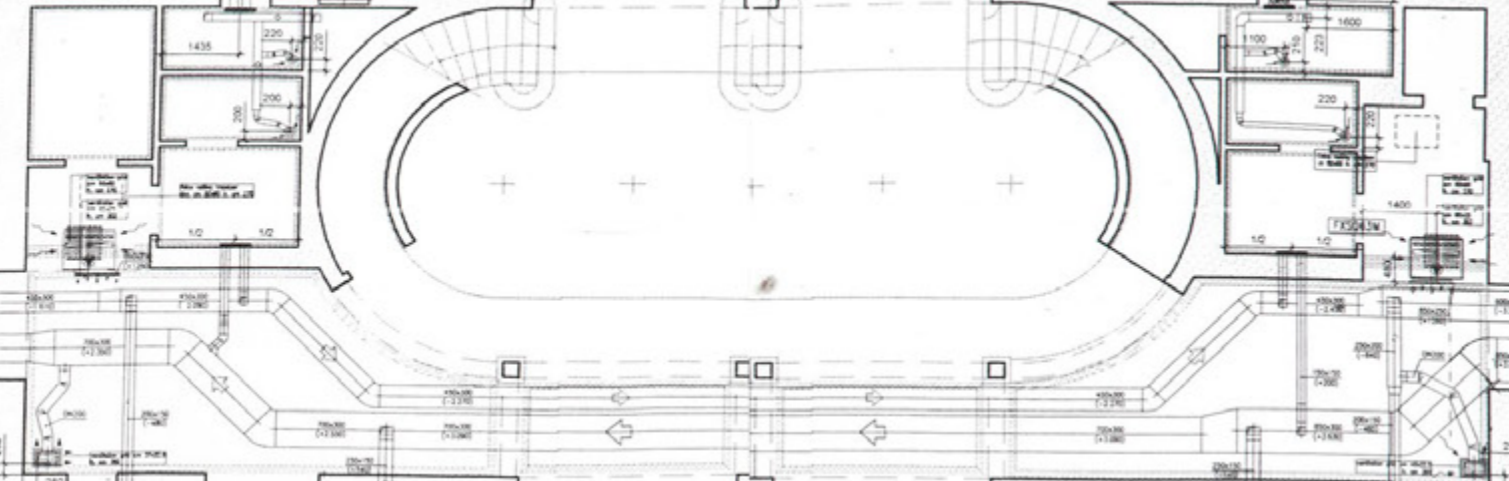
QQI

Quality and Qualifications Ireland
Dearbhú Cáilíochta agus Cáilíochtaí Éireann

NETCOM 5XP SITE INSTALLATION

Liverpool One is a major development in the heart of Liverpool city centre. It comprises 30 major new buildings including 2 department stores, banks, hotels, restaurants and luxury residential accommodation in 42 acres between Liverpool City Centre and the Albert Dock.

In what is believed to be the largest emergency lighting installation in Europe with centralised monitoring and testing facilities, Ventilux supplied emergency luminaires, central battery supplies and a central test and monitoring system, for the Paradise Project in Liverpool.

METHOD OF APPROACH

Ventilux utilises state-of-the-art design software platforms like CAD/Dialux to provide efficient and compliant lighting designs. The client would be provided with a dialux report which enables them to get a clear indication of various light intensity and lux level requirements. The designs are modelled in Dialux platform (2D & 3D) and then regenerated in Auto CAD (2D). Ventilux can also offer a pre-design walk on site (If required).

DALI SITE INSTALLATION

Facebook has expanded its international headquarters in Dublin. The company moved to a new 120,000sq.ft office space in Grand Canal Square. The Ventilux Optic LED was selected as the Escape Route Lighting to be used in the offices. The discreet and aesthetic look accompanied with high efficient LED's, reliable product quality and product value, were some of the criteria used in the selection process by our client. The Exit Sign selected was our hugely popular Glade LED. Engineered with ease of installation and cost effectiveness as a focus, the Glade LED achieves its goals while offering an exciting aesthetic to rival any edge lit sign on the market.

SELF CONTAINED - ELT CENTRAL TEST UNIT

SELF-TEST

OVERVIEW

For Self-Contained (Single Point) and Central Battery Systems Emergency Lighting Luminaires. In order to comply with EN50172 an emergency lighting installation must be tested periodically by simulating failure of the normal supply. A facility to simulate this failure must be provided. Under IS 3217 this facility must not interrupt the normal or switched supply to the area concerned, i.e. only the permanent supply may be interrupted and the test facility must automatically restore this supply at the end of a specified test period. The Ventilux Central Test Unit allows the supply to be interrupted and then restored automatically, and so enhances system reliability.

SPECIFICATION

* On/Off key-switch to prevent unauthorised use.
* Power On Indication.
* Accurate crystal controlled timer/Digital display of elapsed time.
* Test periods of 40min/1 hour/3 hours. (Other periods on request).
* Test in progress indication & Test completed indication.
* Audible warning on start of test and final 10 minutes of test.
* Automatic restoration of supply on completion of test.
* 10A multi-pole contactors.
* Multi-zone versions available with individual zone select timings.
* 220V/240V 50/60Hz, 20VA (Other voltages available).

EMERGENCY LIGHTING TESTER (ELT) SPECIFICATION

ORDER CODE	ELT/1	ELT/2	ELT/10
INPUT VOLTAGE	230V +/- 10% 50/60 HZ		
TEST DURATION	40 MINUTES. / 3 HOURS		
IP RATING	IP40		
DIMENSIONS (MM)	311 X 227 X 88	311 X 227 X 88	311 X 227 X 88
NO. OF CONTRACTOR CONNECTIONS	2 NC (NORMALLY CLOSED)	4 NC (NORMALLY CLOSED)	10 VOLT FREE CONTACTS
CABLE ENTRY	REAR 20MM CONDUIT ENTRIES		
WEIGHT	3.44 KG	3.44 KG	3.44 KG
ENVIRONMENT	0° C TO +30° C, UP TO 80% RELATIVE HUMIDITY		
HOUSING MATERIAL	POWDER-COATED MILD STEEL		
WARRANTY	3 YEARS	3 YEARS	3 YEARS

INTERFACE UNIT (IFU) SPECIFICATION

ORDER CODE	IFU6	IFU12	IFU18
IP RATING	IP40		
DIMENSIONS (MM)	325 X 227 X 85	365 X 280 X 68	465 X 280 X 68
NO. OF CONTRACTOR CONNECTIONS	6 NC (NORMALLY CLOSED)	12 NC (NORMALLY CLOSED)	18 NC (NORMALLY CLOSED)
CABLE ENTRY	2X 20MM CONDUIT ENTRIES ON TOP AND REAR SURFACES		
WEIGHT	2.8 KG	5.1 KG	5.3 KG
ENVIRONMENT	0° C TO +30° C, UP TO 80% RELATIVE HUMIDITY		
HOUSING MATERIAL	POWDER-COATED MILD STEEL		
WARRANTY	3 YEARS	3 YEARS	3 YEARS
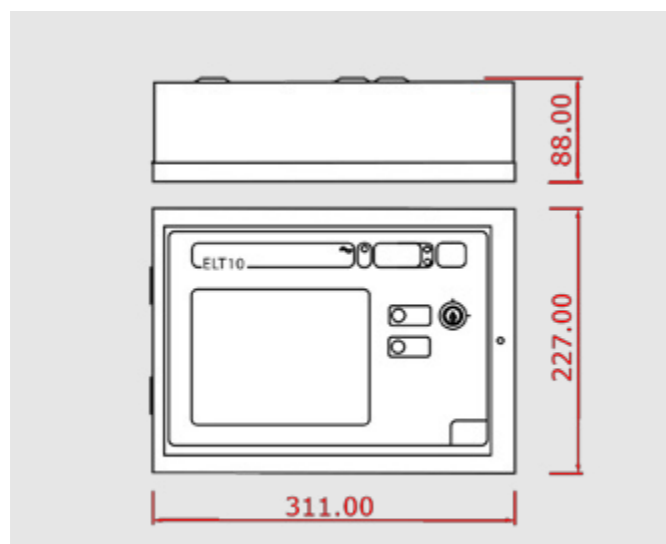
SELF TEST DIAGNOSTICS INDICATOR

COLOUR	TIME SEQUENCE	STATUS
PERMANENT GREEN	-	HEALTHY
FLASHING GREEN	(0.1 SECOND ON/OFF)	FUNCTIONAL TEST
SLOW FLASHING GREEN	(1 SECOND ON/OFF)	DURATION TEST
PERMANENT RED	-	LAMP FAILURE
SLOW FLASHING RED	(1 SECOND ON/OFF)	BATTERY FAILURE
FAST FLASHING RED	(0.5 SECOND ON/OFF)	CHARGER FAILURE

OVERVIEW

The Ventilux Self-Test feature is a stand-alone integral testing solution for small to medium size installations. The Self-Test module is able to perform a test sequence and report the health of the battery, lamp or charger via a Tri-Colour LED. Preprogrammed to the testing requirements of EN50172 the Self-Test module offers a cost competitive solution and peace of mind where automated testing is concerned.

KEY BENEFITS OF SELF-TEST

* Intelligent testing module, which can monitor and test self-contained emergency luminaries.
* Supports fluorescent, incandescent and L.E.D self-contained fittings.
* Ideal for small installations.
* Compact size allows ease of installation.
* Provides easy to interpret visible fault and diagnostic indicators.
* Low cost automated testing solution.
* Offers long term cost saving on future maintenance costs.
* Fully compliant to BS5266 and EN62034.
* Peace of mind that your system is fully compliant with national standards.
* The Self-Test also provides a solution where a CTU is not available.

MANUAL PUSH TEST BUTTON

SELF TEST DIAGNOSTIC INDICATOR

DALI ADDRESSABLE TESTING SYSTEM

OVERVIEW

DALI (Digital Addressable Lighting Interface) is an intelligent addressable emergency lighting testing solution. It allows an installation to be supervised, tested and monitored from a central location. It negates the necessity for a maintenance engineer to physically/visually check all emergency luminaires on a weekly basis as is currently required under EN50172 legislation. It also allows the site to be tested in non-working hours. Remote access and monitoring is now easier via the intranet and Internet – less disruption to working environment, hence saving the end user money. Modular design allows both small and large installations to be competitively specified. OPEN PROTOCOL allows other DALI emergency lighting products to be used on the system. Considerable cost saving against evergrowing maintenance costs.
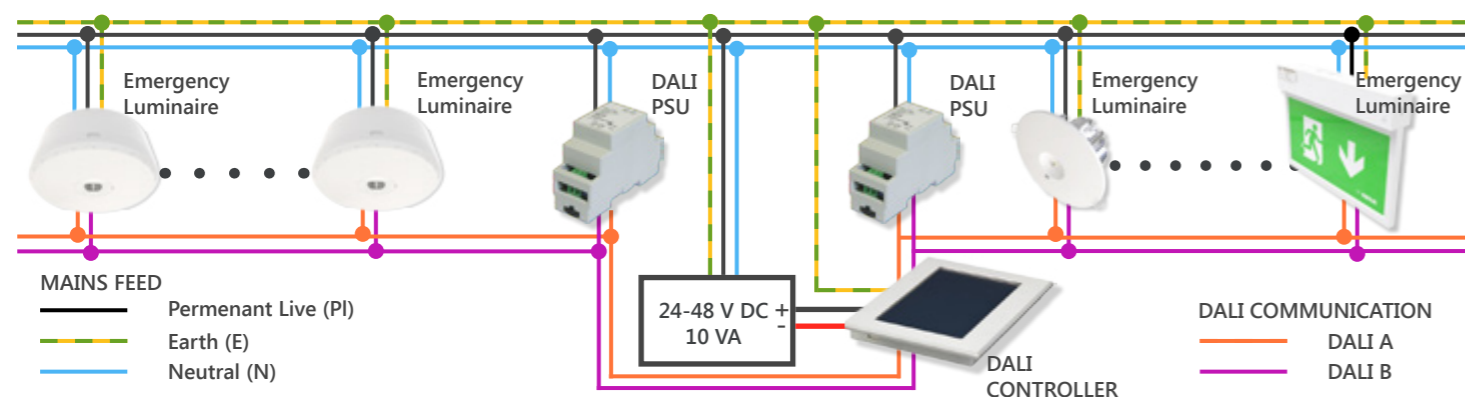
WHY DALI?

- Up to 120 luminaires per control module.
- Provides a variety of feedback from each fixture including luminaire status, LED health, battery health and more.
- Ability to add sensors.
- Provides a centralised location to allow you to control each individual luminaire, reducing the cost of maintenance.
- Interoperability offered allows use of products from a variety of manufacturers.

KEY BENEFITS OF DALI

- Control Panel provides the end user with increased control and visibility.
- OPEN PROTOCOL modules- customer flexibility.
- An Ethernet backbone provides greater flexibility for increased distances in the system design and layout.
- Remote access and monitoring is now easier via the Internet
- CAD package floor plan integration with Ventilux CP.
- Email reporting to key personnel with Ventilux CP.
- Testing can be programmed for non-working hours hence less disruption to work environment.
- Allows up to 120 luminaires to run up to 300 meters using standard mains 1.5mm^2 cable.
- Ethernet bus can run up to 2000 meters using fiber cable.
- Mid term cost savings on maintenance costs for an installation over conventional testing.

FULL DALI SYSTEM DEMO VIDEO
FIND US AT: VENTILUX EMERGENCY LIGHTING

DALI SYSTEM CHARACTERISTICS

POSITION	CODE
MAX NUMBER OF CONTROL MODULES	28
MAX LUMINAIRES PER CONTROL MODULE	120
MAX LUMINAIRES PER DALI SYSTEM	3,360
MAX CABLE DISTANCE FROM LAST LUMINAIRE TO CONTROL MODULE	300 METERS
MAX CABLE DISTANCE FROM CONTROL MODULE TO CENTRAL HUB	2 KILOMETERS

DALI LUMINAIRE DIAGNOSTICS

DIAGNOSTICS	REPORTED
COMMUNICATION FAULT	YES
BATTERY FAULT	YES
LAMP FAULT	YES
CHARGER FAULT	YES

DALI SYSTEM WIRING SCHEMATIC

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DALI POWER SUPPLY

OVERVIEW

The Ventilux DALI power supply controller is used for supplying power to DALI devices without their own power supplies and is suitable for mounting in switching cabinets.

SPECIFICATION

- For supplying 240 mA for DALI devices or control modules without their own power supplies
- For installation in switching cabinets
- 3 year guarantee

DALI POWER SUPPLY

SYSTEM MODE	DALI POWER SUPPLY
PART NUMBER	VENT / DALI / PSU
WEIGHT (KG)	0.03
RATED SUPPLY VOLTAGE MAINS ADAPTER	230-240 V
MAINS FREQUENCY MAINS ADAPTER	50 / 60 HZ
POWER	5W
AMBIENT TEMPERATURE	0....+50C
MAX OUTPUT CURRENT, DALI	240 MA
TYPE OF PROTECTION	IP20
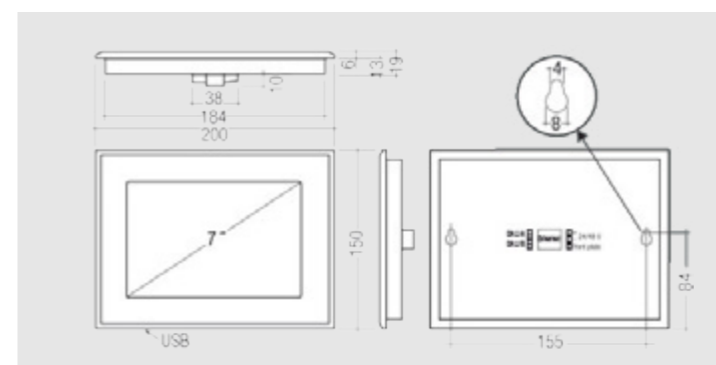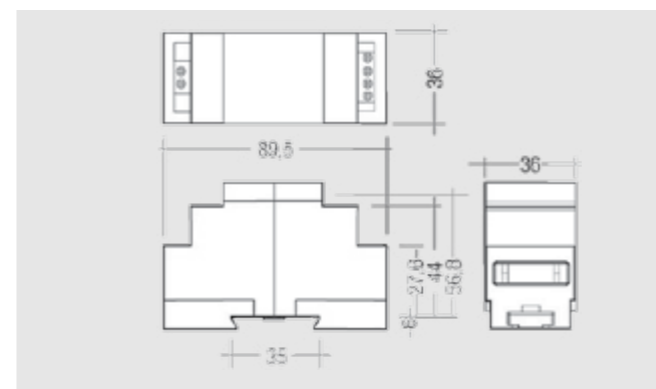
DALI CONTROLLER

OVERVIEW

The Ventilux DALI controller combines safety with convenience and flexibility. With a larger screen and higher resolution, up to 120 emergency light control units can now be managed even more conveniently. The 7" touch screen displays emergency light systems clearly and concisely. If a fault occurs somewhere in the system, this is displayed on the touch panel in an easily understandable and clearly visible way. Access to each individual component is with the touch of a finger, and a simple navigation system guides users reliably through control and management.

SPECIFICATION

- Background lighting with RGB LEDs.
- With DALI system functions of addressing and grouping. Up/downloading of the emergency lighting test report and firmware via USB or Ethernet.
- For small and medium emergency lighting systems with up to 120 DALI emergency lighting units (60 for each DALI line).
- 2 addresses for external status controls.
- Individual labeling of groups and devices.
- Calendar-controlled function and duration test.
- Interconnection of up to 25 panels for bigger installations possible.

DALI CONTROLLER

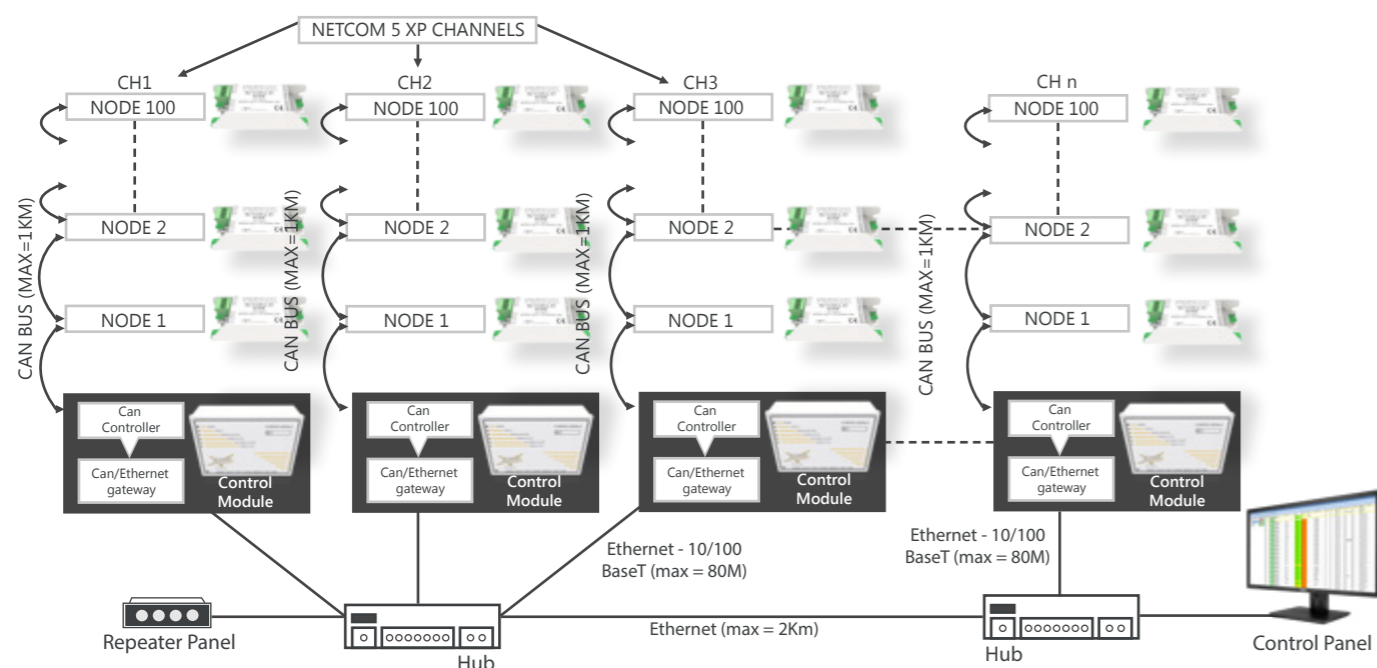| SYSTEM MODE	DALI CONTROLLER
PART NUMBER	VENT / DALI / CP
WEIGHT (KG)	1
RATED SUPPLY VOLTAGE MAINS ADAPTER	230-240 V
MAINS FREQUENCY MAINS ADAPTER	50 / 60 HZ
RATED SUPPLY VOLTAGE	24-48 V DC
POWER	10W
NUMBER OF DALI CIRCUITS	2
CURRENT CONSUMPTION OF EACH DALI LINE	2 MA
AMBIENT TEMPERATURE TA	0....+50C
TOUCHSCREEN SIZE	7"
TOUCHSCREEN PIXEL	800 X 480
INTERFACE	USB, ETHERNET
DIMENSIONS L X W X H	200 X 150 X 20MM
DISTANCE BETWEEN MOUNTING HOLES (D)	155MM
MAX OUTPUT CURRENT, DALI	240 MA
TYPE OF PROTECTION	IP20

NETCOM 5XP ADDRESSABLE TESTING SYSTEM

OVERVIEW

The N5XP system is based on the use of intelligent nodes built into each emergency luminaire. It is a new approach to automatic testing of emergency lighting installations. Compatible with both self contained and central battery systems, it has become one of the market leaders in the field of automated testing of emergency lighting installations. Each intelligent luminaire has at its core, a stand-alone intelligent testing module (referred to as the "node"), which tests the functionality of the luminaire before reporting back to a central control panel via a localised control module. The node communicates with the control module via a proprietary CAN (Controller Area Network) protocol and the control module communicates to the control panel via industry standard ETHERNET. The testing system functions on an ethernet backbone and can be easily integrated into an existing Local Area Network (LAN). The nodes test and measure the status of each luminaire and report back to Control Modules, which in turn report back to a central Control Panel over an Ethernet network.

KEY BENEFITS OF NETCOM 5 XP

- A PC based Control Panel provides the end user with increased control and visibility.
- An Ethernet backbone provides greater flexibility for increased distances in the system design and layout.
- Remote access and monitoring is now easier via the Internet.
- Mutli-user access via the internet and intranet.
- CAD package floor plan integration.
- Alarm setting and reporting to key personnel.
- Testing can be programmed for non-working hours hence less disruption to work environment.
- Allows both CBU and Self-contained luminaires on the one system.
- Can be integrated into most mains and emergency luminaires, not just Ventilux luminaires.
- Global support from a Dublin based design centre.

NETCOM 5 XP SYSTEM CHARACTERISTICS

POSITION	INFO
MAX NUMBER OF CONTROL MODULES	100
MAX LUMINAIRES PER CONTROL MODULE	253
MAX LUMINAIRES PER N5XP SYSTEM	25,300
MAX CABLE DISTANCE FROM LAST LUMINAIRE TO CONTROL MODULE	1 KILOMETER
MAX CABLE DISTANCE FROM CONTROL MODULE TO CENTRAL HUB	2 KILOMETERS

N5XP LUMINAIRE DIAGNOSTICS

DIAGNOSTICS	REPORTED
COMMUNICATION FAULT	YES
BATTERY FAULT	YES
LAMP FAULT	YES
CHARGER FAULT	YES

N5XP SYSTEM NETWORK DIAGRAM

N5XP CONTROL PANEL

OVERVIEW

The N5XP Control Panel (CP) is a PC-based software application that controls, tests, and monitors the entire emergency lighting installation. The N5XP Control Panel communicates with the N5XP Control Modules over an Ethernet network.

A maximum of 253 Control Modules can be connected to the N5XP Control Panel. The N5XP Control Panel software can be installed on any standard Microsoft Windows Operating System. Windows 7 and above is the recommended platform.

It is recommended that a dedicated PC is used for the N5XP application. With the latest interactive graphics program, the user can interface with an AUTO-CAD floor plan to establish the health of their emergency lighting installation. Site configurations are easily uploaded and downloaded, allowing ease of site set up/commissioning and troubleshooting.

The default N5XP system tests the emergency installation, daily, monthly and annually in accordance with current EN50172 legislation. A custom test regime is also available for user settings. With the options for EMAIL and SMS texting reporting, single or multi users, AUTO-CAD graphics package – the N5XP testing systems offers a cutting edge product, and peace of mind to the client.

N5XP CONTROL PANEL

SYSTEM MODE	PART NUMBER
N5XP TESTING SYSTEM - CONTROL PANEL	N5/CP

PLEASE NOTE * THE SOFTWARE SHOULD BE INSTALLED ON AN IBM COMPATIBLE PC WITH THE FOLLOWING MINIMUM SYSTEM REQUIREMENTS:

INTEL CORE I5 PROCESSOR
QUAD CORE
4GB RAM DDR4 SDRAM
500 GB HARD DRIVE, SATA 6GB/S @ 7200RPM
VGA,DVI GRAPHICS CARD
10/100 BASE – T ETHERNET CARD
19" VGA LCD MONITOR
KEYBOARD AND MOUSE

N5XP CONTROL MODULE

OVERVIEW

The Control Module is the interface between the individual nodes and the Control Panel. The Control Module contains a CAN Controller to communicate with the nodes and a CAN/Ethernet gateway that allows it to communicate with the Control Panel and other Control Modules via an Ethernet network. The Control Module polls the nodes for status information, conducts tests on the nodes, and records the results from the tests. A maximum of 100 nodes can be connected to each Control Module. Standard Ethernet hubs are used to interconnect the Control Modules to the Control Panel.

SPECIFICATION

- No. of Nodes 100
- Input Voltage 230V +/–10% 50/60 Hz
- Monitors
- Power On Green LED
- Status Flashing Amber LED
- Isolated Amber LED
- In Test Green LED
- Comms Fault Red LED
- Node Fault Red LED
- Degree of Protection IP40
- Overall Dimensions (mm) 215mm x 150mm x 70mm
- Power rating 16 VA
- Data cable CAN side - Belden 8719,9316,1030A
- Ethernet side industry standard CAT 5/CAT 6 cable
- Cable Entry 3 x 20 mm Conduit Entries on the bottom of the module
- Weight 1.3 kg
- Standards EN55015; EN61000; EN50082-2
- Environment 0°C to 30°C Temperature Range: Up to 80% Relative Humidity
- Housing construction White Powder Coated Sheet Steel

N5XP CONTROL MODULE

SYSTEM MODE	PART NUMBER
N5XP TESTING SYSTEM - CONTROL MODULE	N5XP/CM100

PLEASE NOTE * EACH CONTROL MODULE HAS THE FOLLOWING LIGHT EMITTING DIODES (LEDS) MOUNTED ON THE EXTERIOR HOUSING WHICH ARE REFERRED TO AS CONTROL MODULE STATUS INDICATORS:

POWER: GREEN - INDICATES THAT THE REGULATED POWER IS PRESENT
STATUS: FLASHING GREEN - INDICATES THAT THE MODULE IS RUNNING CORRECTLY
ISOLATED: YELLOW - INDICATES THAT ONE OR MORE NODES ARE ISOLATED.
IN TEST: YELLOW - INDICATES THAT ONE OR MORE NODES ARE IN EMERGENCY TEST OR COMMISSIONING
COMMS FAULT: RED - INDICATES THERE IS A FAULT WITH THE CAN COMMUNICATIONS.
NODE FAULT: RED - INDICATES THAT THERE IS A FAULT WITH ONE OR MORE NODES.

CENTRAL BATTERY SYSTEMS

OVERVIEW

The Ventilux Emergency Lighting (VES) series of Static Inverters are designed specifically for the most challenging of emergency lighting applications and are fully in compliance with EN50171, EN50272-2, BS5266, IS3217 and ICEL1009. Providing capacity up to 160kVA, the Ventilux range of Inverters is designed to provide a Static Inverter with all the flexibility and adaptability you need for the modern built environment. The Static Inverters are renowned for consistent reliability, ease of installation and maintenance. With options for either no break in supply, or transfer times less than 0.5s, the Ventilux Static Inverter range have solutions available for all with a wide choice of power ratings, accessories and Automatic Testing Solutions. With multiple ways to control lights within an application, the below descriptions and drawings show the various ways the lighting load may be controlled.

MAINTAINED OUTPUT

Static inverters provide continuous power to the emergency luminaires during normal operation and during power failure.

INTERNAL BYPASS

RECTIFIER   INVERTER   STATIC SWITCH
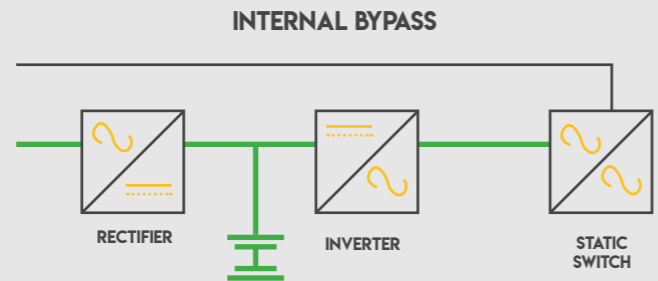
SWITCH MAINTAINED

- During normal operation emergency lights switch maintained
- Emergency lights operate during mains failure
- Some lighting circuits left as maintained
- Emergency lights operate if local switch is OFF during mains failure

LOCAL SWITCH
CENTRAL MFR
EMERGENCY LUMINAIRES
INCOMING MAINS
DISTRIBUTION BOARD

NON-MAINTAINED OUTPUT

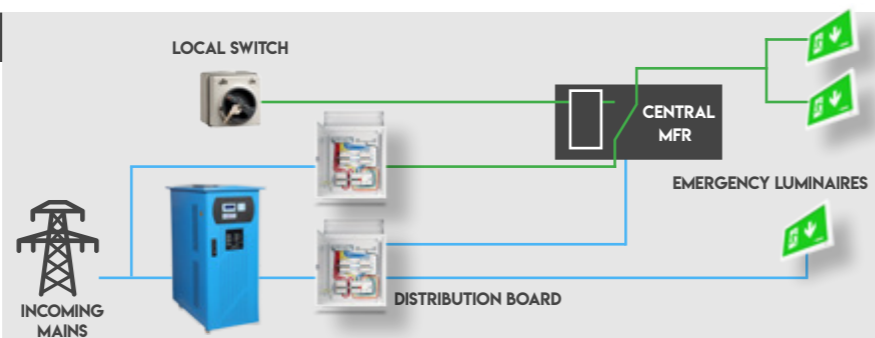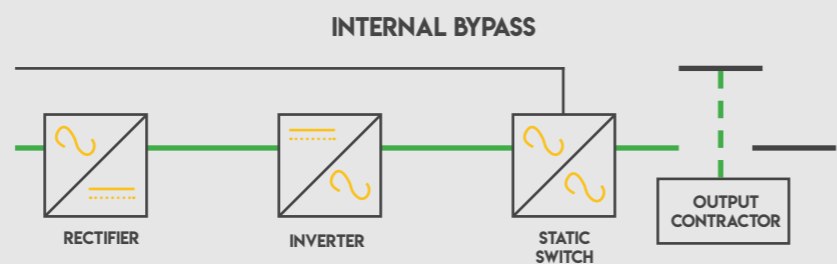Static inverter output and emergency luminaires are off during normal operation. During power failure the Static Inverter output is activated and the luminaires turn on to illuminate the exit routes.

INTERNAL BYPASS

RECTIFIER   INVERTER   STATIC SWITCH   OUTPUT CONTRACTOR

PHASE FAILURE MONITORING

- During normal operation emergency lights non-maintained
- Emergency lights operate during mains failure
- Emergency lights operate if any other incoming phase fails

L1
L2
INCOMING MAINS
L3
EMERGENCY LUMINAIRES
DISTRIBUTION BOARD
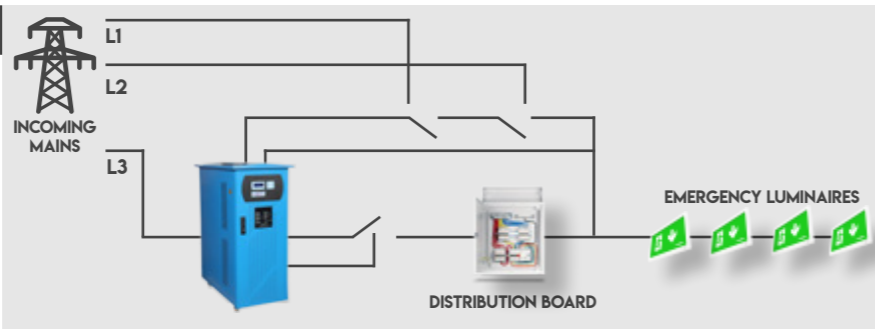
SUB-CIRCUIT MONITORING

- During normal operation emergency lights non-maintained.
- Emergency lights operate during mains failure
- Emergency lights operate if any
- sub-circuit breaker on non-emergency lighting trips

INCOMING MAINS
DISTRIBUTION BOARD
EMERGENCY LUMINAIRES

BAC'S EXTENDS THE BATTERY WARRANTY TO 5 YEARS
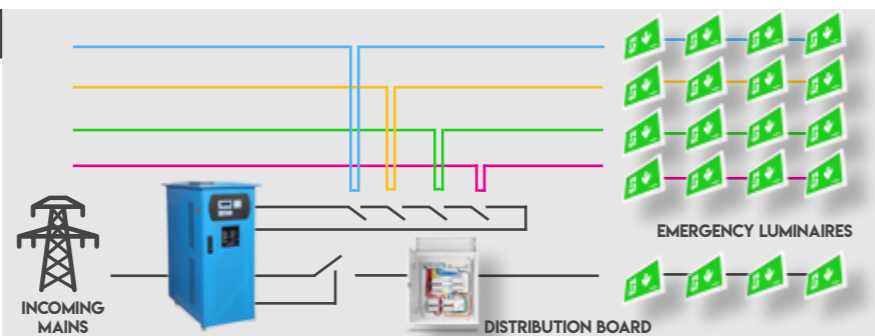
FEATURES

- MODBUS / PROFIBUS / LONBUS / SNMP/BACnet compatible
- Indicators to alert battery problems
- Individual voltage regulation through the equalizing process
- Avoids overcharging and undercharging
- Increased battery capacity and battery life expectancy
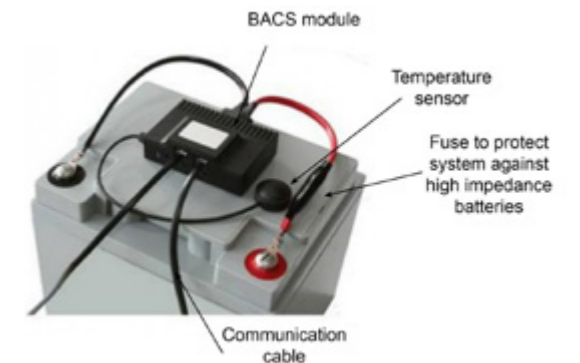- Software provided

BATTERY ANALYSIS CARE SYSTEM (BACS)

OVERVIEW

BACS is the most advanced product of its kind on the market today. An Ethernet integrated battery monitoring and management system, BACS uses web management technology to monitor the temperature, internal resistance and voltage of every single battery in a given system.

In an Emergency Lighting critical standby application, the battery is by and large an integral part of the system, and can also be an unpredictable element of the design. Battery condition can be invisible and not determined from its appearance, making early diagnosis hard, especially if problems have been experienced in transit, storage, installation, poor site conditions or misuse, causing failure of just one cell which can lead to open-circuit of a complete battery.

BACS module
Temperature sensor
Fuse to protect system against high impedance batteries
Communication cable

The analysis part is the continuous checking of the internal resistance, temperature and voltage of every single battery block. The care part is an equalization process that corrects the charging voltage for each battery block, as well as constant monitoring and controlling. In addition, it can manage environmental measurements such as temperature, humidity etc., as well as the Static Inverter system.

BACS effectively mitigates the possibility of overcharging the batteries, helping to prevent gassing and drying, as well as alleviating the possibility of undercharging, preventing sulfation. Through the equalization process, the batteries are kept at an optimal charging voltage and therefore, in an optimal state of health. By managing the batteries charging voltages, BACS vastly improves the durability and reliability of the system. The web browser interface of the system is designed for easy configuration, displaying all system values and events and alarms through a flexible event manager.

The BACS WebManager acts as the central control unit by gathering, evaluating and storing all information on its internal flash memory. This can log all system data for a duration of at least 6 months up to 3 years dependent on the size of the system. All data can be downloaded and archived over an ethernet network in order to free-up storage capacity for further data logging and analysis using the BACS Viewer software or other graphical programmes. Ventilux's BACS system monitors key battery parameters and sets thresholds, therefore allowing advanced warnings, via audio, video and network messages, of a system event that requires attention.

EXTENDED BATTERY LIFE

The service life of a battery string depends on the weakest cell of the weakest battery in a string. The BACS equalising process allows each of the batteries within a string to be maintained at optimal voltage levels, eliminating the ill effects of improper charging. The constant care provided by the equalising process has been shown to increase service life by more than 30%.

Battery 1 is ideal.

Battery 2 has low impedance which results in under voltage condition and so this battery is boosted by BACS.

Battery 3 has high impedance which results in over voltage so the battery is prevented from over charging by BACS.

CHARGE END VOLTAGE
overcharge
undercharge
BATTERY 3
BATTERY 1
BATTERY 2

ECOLUX SERIES – 1/1

VES-MOD SERIES
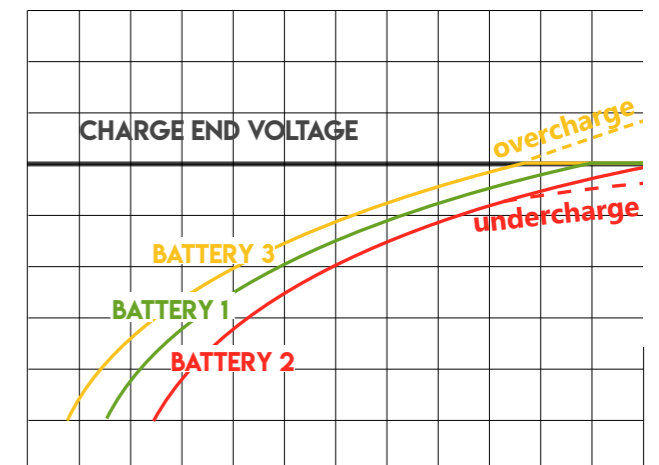
ORDER CODES

MODEL	VA / W	
VES-1005XA	500 / 400	
VES-1012XA	1250 / 1000	
VES-1030XA	3000 / 2400	

FEATURES

- 3KVA Power Cabinet, built up of 500VA Power Modules.
- 1/1 Configuration via display.
- Systems and battery Test Function.
- True sinewave & PWM microprocessor controlled technology.
- Recharged batteries up to 80% within 12 hours.
- LCD user information panel providing accurate, detailed information about load, batteries, system diagnostics and audible alarm.
- Fast changeover to battery mode.
- Built in Distribution (6 Circuit as Standard).
- RS232, and dry contacts for communication and remote monitoring.
- TCPIP / KNX / Netcom 5XP options supported.
- Reduced mean time to repair to modular design.

FEATURES

- 24kVA Power Cabinet, built up of 4kVA Power Modules.
- 1/1 & 3/1 Configuration via display.
- Hot-Swap Power Module.
- True Sinewave Output.
- Front access for all maintenance and repair.
- Output configurable to 3 modes of operation
- (Changeover/ Inverter/ Non-Maintained)
- No break Load Transfer for use with Discharge Lamps.
- Deep Discharge Protection.
- Reverse Battery Polarity Protection.
- Each module automatically shares the input and output current.
- All inverter modules share the same battery.
- Battery Short Circuit Protection.
- Battery discharge management, auto-transfer between floating and equal charging, temperature compensation.
- Multiple communication options RS232, RS485, drycontacts, TCI/IP adapter for local and remote communication.

ORDER CODES

MODEL	KVA / KW
VES-MOD 4	4 / 3.6
VES-MOD 8	8 / 7.2
VES-MOD 12	12 / 10.8
VES-MOD 16	16 / 14.4
VES-MOD 20	20 / 18
VES-MOD 24	24 / 21.6

INPUT	
Nominal Voltage	230 VAC (1Ph + N + PE)
Voltage Range	184 V - 285 V
Frequency Range	50 Hz ± 5%

OUTPUT	
Nominal Voltage	230 Vac
AC Voltage Regulation	±3%
Frequency Range	±1%
Power Factor	0.8
Crest Factor	3:1
Harmonic Distribution (linear load)	<5%
Transfer Time	0.5secs
Waveform	Sinewave
Load Circuits	6
Overload	150 % 1min / 120% continuous
Mode Operation	Changeover
Maintained / Non Maintained	Maintained (standard) / Non-Maintained (optional)

BATTERY	
Battery Type	VRLA AGM Maintenance Free SLA Batteries / NiCad / Planté
Internal / External	1 or 3 hour external
End of Life to EN50171	Included
Charge Battery to 80% within 12 hours	Included
Deep Discharge Protection	Included
DC Earth Leakage	Optional

LIGHTING CONTROL INTERFACE	
External Mains Fail Test Connection	Optional
Non-Maintained Mode Connection	Optional
FAR Connection	Optional
External Phase Fail Connection	Optional
24 Vdc Supply for External Contractor	Optional
KNX / DALI / NODE Interface	Optional
Mains Fail Test Button	Key switch included
Volt Free Contacts	3

GENERAL			
Operating Temperature	0˚C to 40˚C / <1000m above sea level		
Operating Humidity	5-95% non-condensing		
Acoustic Noise	<56dB @ 1 metre		
Degree of Protection	IP21		
Dimensions (mm) WxDxH	750 x 250 x 850	750 x 250 x 1250	750 x 400 x 1250
Net weight (kgs)	Dependent on battery configuration		

MODEL	VES MOD 4	VES MOD 8	VES MOD 12	VES MOD 16	VES MOD 20	VES MOD 24
Power rating kVA / kW	4 /3.6	8 / 7.2	12 / 10.8	16 / 14.4	20 / 18	24 / 21.6

OUTPUT						
Nominal Voltage	220 / 230 / 240 Vac (1Ph + N + PE)					
AC Voltage Regulation	±1%					
Frequency Range	±4%, (±0.2% battery supply)					
Power Factor	0.9					
Crest Factor	3:1					
Harmonic Distribution (linear load)	<1%					
Transfer Time	<0 ms					
Waveform	Sinewave					
Load Circuits	1					
Overload	120 % continuous, 150% for 10mins, 175% for 1min					
Mode Operation	Changeover, Inverter and Non-Maintained selectable					
Maintained / Non Maintained	Maintained and Non-Maintained (Standard)					

BATTERY						
Battery Type	VRLA AGM Maintenance Free SLA Batteries / NiCad / Planté					
Internal / External	1 or 3 hour external					
End of Life to EN50171	Included					
Charge Battery to 80% within 12 hours	Included					
Deep Discharge Protection	Included					
DC Earth Leakage	Optional					

LIGHTING CONTROL INTERFACE						
External Mains Fail Test Connection	Included					
Non-Maintained Mode Connection	Optional					
FAR Connection	Optional					
External Phase Fail Connection	Optional					
24 Vdc Supply for External Contractor	Optional					
KNX / DALI / NODE Interface	Optional					
Mains Fail Test Button	Key switch with 10min / 1hr / 3hr time delay included					
Volt Free Contacts	3					

GENERAL						
Operating Temperature	-5˚C to 40˚C / <1000m above sea level					
Operating Humidity	≤93% non-condensing					
Acoustic Noise	<55dB @ 1 metre					
Degree of Protection	IP21					
Dimensions (mm) WxDxH	510 x 850 x 1340					
Net weight (kgs) (Ex. Batteries)	107	114	121	128	135	142

VES-300DSP SERIES 3/3 BSI KITEMARKED

ORDER CODES

MODEL	KVA / KW
VES-310 DSP	10 / 9
VES-320 DSP	20 /18
VES-330 DSP	30 / 27
VES-340 DSP	40 / 36
VES-360 DSP	60 / 54
VES-380 DSP	80 / 72
VES-3100 DSP	100 / 90
VES-3120 DSP	120 / 108
VES-3160 DSP	160 / 144

FEATURES

- 160kVA Power Cabinet, built up of 10kVA Power Modules.
- 3/3 Configuration via display.
- Recharges batteries up to 80% within 12 hours.
- True Sinewave output & PWM microprocessor controlled technology.
- Front access for all maintenance and repair.
- FAR Controls including 48Vdc supply for Fire Alarm Panel.
- Selectable Non-Maintained/Maintained Mode with External Control (If external contactor fitted).
- Deep Discharge Protection.
- External Test Facility included.
- Unique inverter design to suit high inrush lighting loads.
- User selectable Inverter or Changeover Mode
- DC short circuit protection
- LCD panel providing accurate detailed information about load, batteries and inverter with advanced diagnostics.
- RS232 and dry contacts for communication and remote monitoring.

MODEL	VES 310 DSP	VES 320 DSP	VES 330 DSP	VES 340 DSP	VES 360 DSP	VES 380 DSP	VES 3100 DSP	VES 3120 DSP	VES 3160 DSP
Power rating kVA / kW	10 / 9	20 / 18	30 / 27	40 / 36	60 / 54	80 / 72	100 / 90	120 / 108	160 / 144
INPUT									
Nominal Voltage	380 / 400 / 415 VAC (3PH + N + PE)								
Voltage Range	115%								
Power Factor	0.99 @ Full load								
Harmonic Distortion	<5% @ 100% load								
Frequency Range	50 Hz ± 5%								
OUTPUT									
Nominal Voltage	230 / 400 Vac (3Ph + N + PE)								
AC Voltage Regulation	±2%								
Frequency Range	±1%								
Power Factor	0.9								
Crest Factor	3:1								
Harmonic Distribution (linear load)	<3%								
Transfer Time	<0.5 secs								
Waveform	Sinewave								
Load Circuits	1								
Overload	120% continuous, 120 - 150% for 10mins, 150-180% for 1min								
Mode Operation	Changeover or Inverter selectable								
Maintained / Non Maintained	Maintained (standard) / Non-Maintained (optional)								
BATTERY									
Battery Type	VRLA AGM Maintenance Free SLA Batteries / NiCad / Planté								
Internal / External	1 or 3 hour external								
End of Life to EN50171	Included								
Charge Battery to 80% within 12 hours	Included								
Deep Discharge Protection	Included								
DC Earth Leakage	Optional								
LIGHTING CONTROL INTERFACE									
External Mains Fail Test Connection	Included								
Non-Maintained Mode Connection	Included								
FAR Connection	Included								
External Phase Fail Connection	Included								
24 Vdc Supply for External Contractor	Included								
KNX / DALI / NODE Interface	Optional								
Mains Fail Test Button	Included								
Volt Free Contacts	9								
GENERAL									
Operating Temperature	0˚C to 40˚C / <1000m above sea level								
Operating Humidity	10-90% non-condensing								
Acoustic Noise	<62dB @ 1 metre			<64 dB @ 1 metre			<68dB @ 1 metre		
Protection Degree	IP41								
Dimensions (mm) WxDxH	400 x 815 x 1040			515 x 855 x 1440			880 x 775 x 1900		
Degree of Protection	IP21								
Net weight (kgs) (Ex. Batteries)	91	100	173	197	209	220	232	265	482

EXTERNAL MAINTENANCE BY-PASS SWITCH

OVERVIEW

The External Range of Maintenance bypass Switches are available in 100A versions.
The BYPMBB11-100 is configured for 1 phase input and 1 phase output.
The BYPMBB33-100 is configured for 3 phase input and 3 phase output.
The BYPMBB range is provided with the following features:
• Electronic Interlock to Static Inverter
• Make Before Break Bypass Switch
• UK engineers socket with CB protection
• Safety cover for protection of miss-use
• Inspection cover- allowing easy access for measurements to be completed.
• Mounting holes for easy installation.

VCOM/230V CHANGE OVER MODULE

OVERVIEW

The Ventilux VCOM Static Inverter Change Over Module allows for change over from a switched mains supply to a static inverter emergency supply in the event of a mains failure. Pre-programmed with a 500 mili-second delay the module can also be used with dimming systems such as DALI and ensures that the high frequency ballast has been reset prior to supplying static inverter power ensuring full illuminance during the emergency period. Rated to switch 480V, the VCOM is easy to use and install. The module can be used either within a luminaire for individual luminaire control or mounted in a remote enclosure to control and switch an entire circuit load up to 1250VA. The module is also supplied with an optional blue LED indicator which indicates when the static inverter supply has been switched in an emergency condition. This blue LED indicator can be used as an additional safety indicator for maintenance personal when working on the fttings. The module is designed to meet the switching requirements of the European standard EN60598.2.22 and all are manufactured under quality control procedures which are approved to ISO 9001:20015

SIMPLE NETWORK MANAGEMENT PROTOCOL

OVERVIEW

SNMP Cards are used for the management of UPS systems via a computer or local network. With a web based programmed built into the SNMP, simply connecting the card to a network via its LAN port allows for easy monitoring of the UPS.
SNMP cards can be used not only to monitor UPS parameters, but also allow user controlled testing, email alerts and sending of remote console commands to client systems to initiate automatic shutdowns.
SNMP cards can be fitted internally on some UPS models or externally fitted via the UPS RS232 port.

RECESSED

OVERVIEW

Recessed type fittings are one of the most common escape route luminaires which are a usually a single LED lamp head and a "Remote pack" which is inserted through a hole cut into a false ceiling or ceiling void.
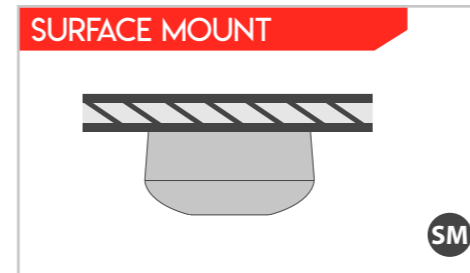
CONSIDERATIONS

- Ceiling cut out size.
- Ceiling void size.

SURFACE MOUNT

OVERVIEW

Surface mounted fittings are enclosures or housings containing all the necessary luminaire control gear internally, mounting directly to the ceiling, besa box or conduit pipe.

CONSIDERATIONS

- Mounting holes positions i.e besa box.
- Cable entry points.
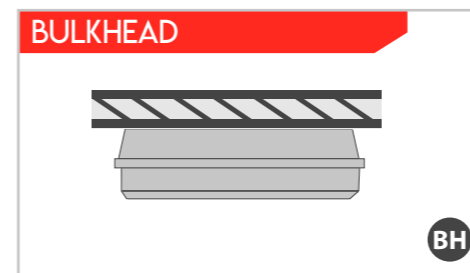
BULKHEAD

OVERVIEW

Very similar in application and design to surface mount luminaires, they generally have a larger form factor and lumen output. Bulkheads distinguish themselves by having LED'S covered by a diffuser to better help light dispersal. Examples of common diffuser types are prismatic, fresnel and opal.

CONSIDERATIONS

- Diffuser type.
- Cable entry points.
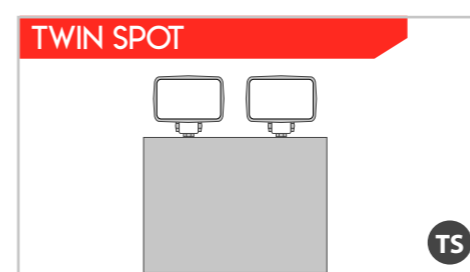
TWIN SPOT

OVERVIEW

A twin spot is a dual lamp luminaire, usually led, halogen or tungsten filament. A common design characteristic of a twin spot is the ability to independently rotate and angle each of the lamp heads making it ideal for achieving efficient light spread in large open area applications.

CONSIDERATIONS

- Lamp type e.g LED, halogen or tungsten filament.
- IP Rating.

ESCAPE ROUTE LUMINAIRES
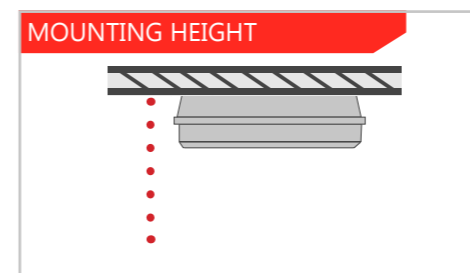
MOUNTING HEIGHT

OVERVIEW

The mounting height of the luminaire from the ground to the ceiling. This will also factor into the distance of the light spread of the luminaire. All luminaires have an optimum mounting height which will allow it to achieve its greatest light dispersion distance.

DISTANCE WALL TO LUMINAIRE
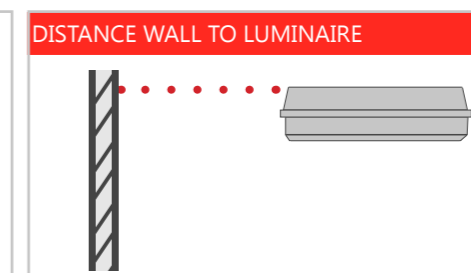
OVERVIEW

The distance from the luminaire to the nearest wall.

DISTANCE LUMINAIRE TO LUMINAIRE
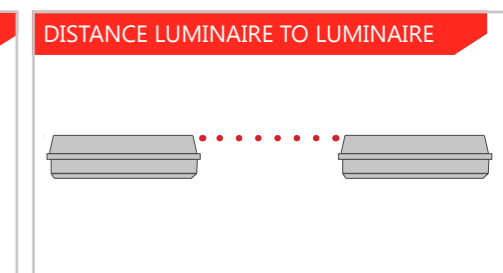
OVERVIEW

The distance from the luminaire to the next luminaire.
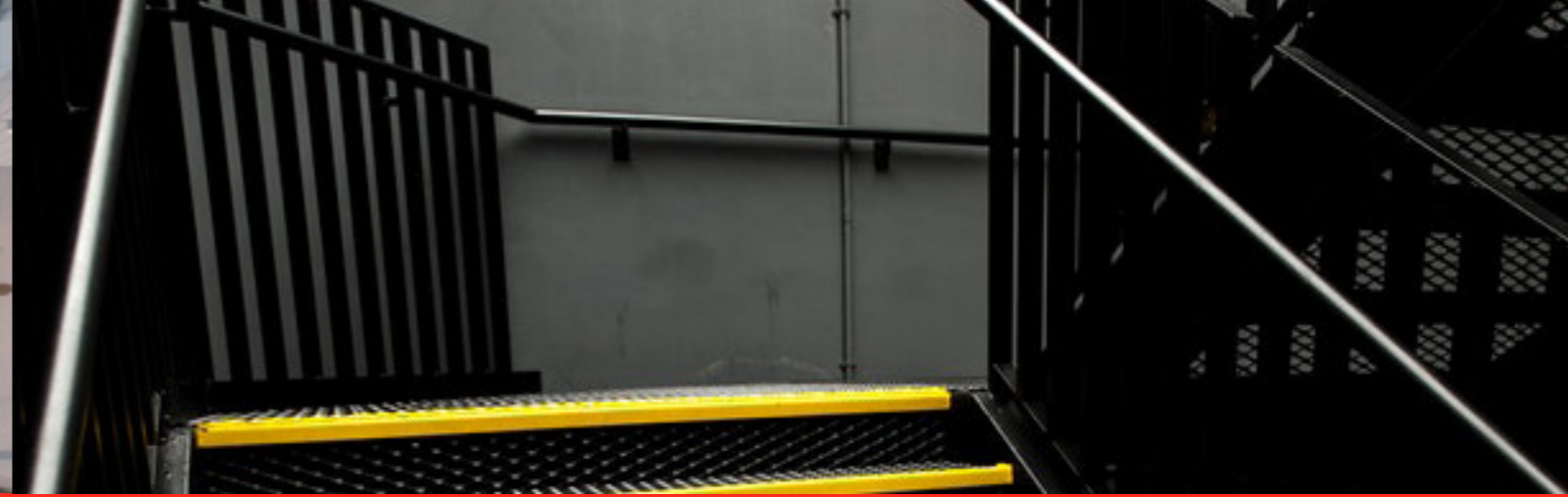
OPTILENS

OPTILENS SURFACE MOUNT

OPTILENS

OPTILENS SURFACE MOUNT

OVERVIEW

The OptiLens utilises the latest lens development to provide market leading uniform light distribution for both escape route and open area emergency lighting applications, reducing the number of required emergency luminaires and radically reducing the overall electrical power consumption. Supplied with both the escape route lens (asymmetrical light pattern) and open plan lens (symmetrical light pattern) as standard, the OptiLens offers the client ease of order processing and on site installation.

SPECIFICATION

- Suitable for recessed ceiling mounting.
- Suitable for temp range – 0°C to 30°C.
- 3 way shrouded plug/socket mains connection.
- 220mm ceiling void compatible.
- Ceiling cutout - 38mm (Standard Self-Contained).
- Ceiling cutout - 50mm (N5XP/ DALI/ Self Test Versions).
- Dimensions of self contained remote pack – 30mm dia x 480mm (Other variants may differ).
- Supplied with both asymmetrical and symmetrical lens.
- Detail A- Standard Self Contained dimension.
- Detail B- N5XP, DALI & SelfTest dimensions.
- Remotely located charge LED, up to 32 metres available on request for this fitting, for Hospitals and Nursing Home applications.

PRODUCT CODE OPTILENS: OLNM3/LED3W

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	180	6 YRS
SELF TEST	/AT	N-M	3W	180	3 YRS
DALI	/DALI	N-M	3W	180	3 YRS
NETCOM 5	/N5XP	N-M	3W	180	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	3W	180	3 YRS

DETAIL A

DETAIL B

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

IP RATING	IP20

SPACING TABLE: ESCAPE ROUTE

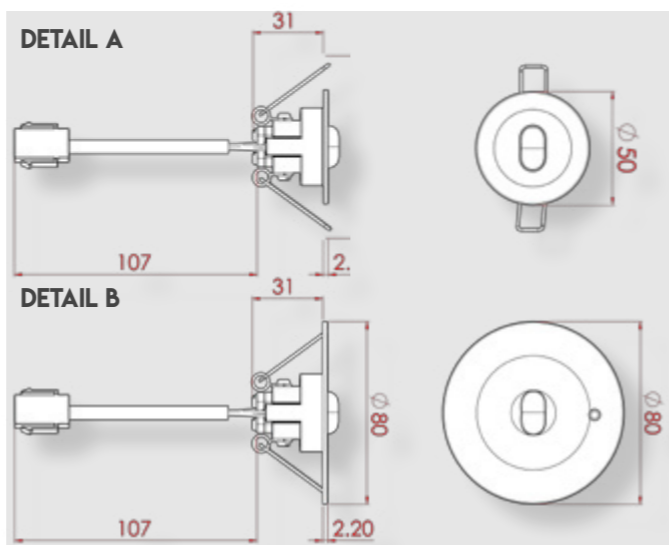| MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	6.2	13.8
2.5	7.1	16.1
3	7.7	18.1
4	4.9	21.4
6	1.7	10.8

SPACING TABLE: OPEN PLAN

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.3	9.7
2.5	3.4	10.1
3	3.5	10.3
4	3.7	11.0
6	-	12.2

FEATURES

IP RATING	IP40

FINISHES

MATERIAL	FINISH
POLYCARBONATE PLASTIC	WHITE RAL 9016
POLYCARBONATE PLASTIC	BLACK RAL 9017

SPACING TABLE: ESCAPE ROUTE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	5.2	12.2
2.5	5.2	14.0
3	2.4	14.8
4	1.2	7.5
6	-	1.0

SPACING TABLE: OPEN PLAN

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	2.7	7.1
2.5	2.9	7.4
3	2.9	7.7
4	-	8.3
6	-	-

OVERVIEW

The OptiLens Surface mount utilises the latest lens development to provide market leading uniform light distribution for both escape route and open area emergency lighting applications, reducing the number of required emergency luminaires and radically reducing the overall electrical power consumption. Supplied with both the escape route lens (asymmetrical light pattern) and open plan lens (symmetrical light pattern) as standard, the OptiLens Surface Mount is a discreet and aesthetically pleasing fitting.

SPECIFICATION

- Small discreet surface mounted luminaire.
- Easy to install and maintain.
- First fix fitting.
- Supplied with both escape route & open plan lens for flexibility on site during installation.

PRODUCT CODE OPTILENS SM: OLNM3/LED3W/SM

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	120	6 YRS
SELF TEST	/AT	N-M	3W	120	3 YRS
DALI	/DALI	N-M	3W	120	3 YRS
NETCOM 5	/N5XP	N-M	3W	120	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	3W	120	3 YRS

HALO   HALO IP65

OVERVIEW

The HALO 3 WATT is a discreet, recessed fitting which is specifically designed to meet the needs of consultants, contractors and end-users. Purpose designed for interior use, the HALO 3 WATT luminaire is designed to fit into a hole of 38mm, and comes in two parts, giving the installer more flexibility and ease of installation. Designed for indoor installation in a range of public locations. Incorporating the latest CREE LED technology, the HALO 3 WATT offers the client long term operational and maintenance cost savings.

SPECIFICATION

- Suitable for ceiling mounting.
- Ceiling cutout - 38mm (Standard Self-Contained).
- Ceiling cutout - 65mm (N5XP/ DALI/ Self Test Versions).
- 220mm ceiling void compatible.
- 3 way shrouded plug/socket mains connection.
- Dimensions of lamp head - 45mm dia.
- Dimensions of remote pack - 35mm dia x 450mm.
- Remotely located charge LED, up to 32 metres available on request for Hospital and Nursing Home applications.

DETAIL A

DETAIL B

FINISHES

MATERIAL	FINISH
PAINTED ALUMINIUM	WHITE RAL 9016
PAINTED ALUMINIUM	BLACK RAL 9017

FEATURES

IP RATING	IP40

SPACING TABLE

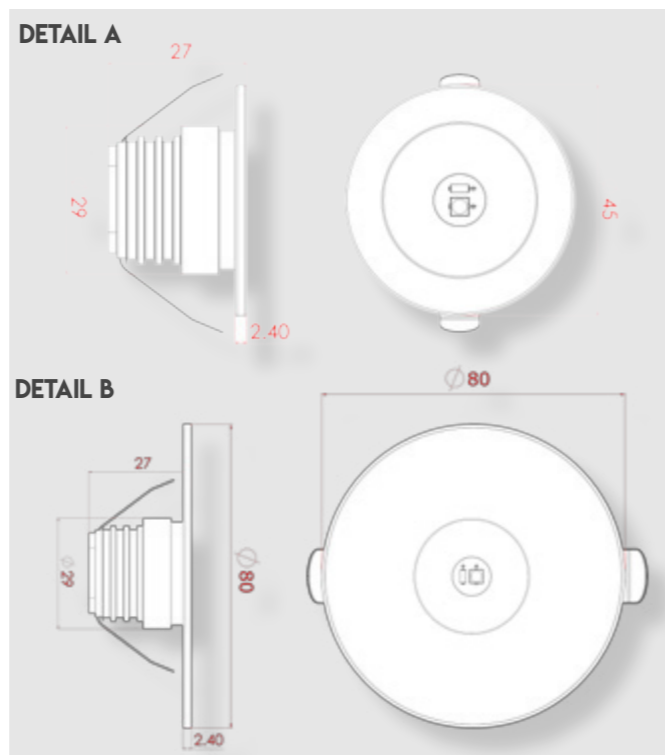| MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.0	6.9
2.5	3.2	7.9
3	3.3	8.6
4	3.3	9.2
6	2.2	9.3
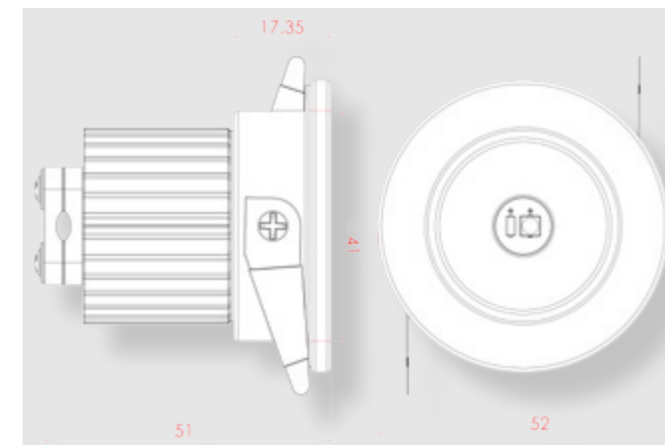
PRODUCT CODE: HANM3/LED3W

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	180	6 YRS
SELF TEST	/AT	N-M	3W	180	3 YRS
DALI	/DALI	N-M	3W	180	3 YRS
NETCOM 5	/N5XP	N-M	3W	180	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	180	3 YRS

FEATURES

IP RATING	IP65

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

SPACING TABLE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.1	7.2
2.5	3.5	8.3
3	3.6	9.1
4	3.7	10
6	3.1	10.5

OVERVIEW

The HALO IP65 3 WATT is a discreet, recessed fitting which is specifically designed for high IP rated environments to meet the needs of consultants, contractors and end-users. Purpose designed for exterior use, the HALO 3 WATT IP65 luminaire is designed to fit into a 44mm cut out and comes in two parts for ease of installation. Designed for exterior installation in a range of public locations the HALO IP65 3 WATT is an ideal cost effective solution where the emphasis is on discreet and aesthetic appearance. Incorporating the latest CREE LED technology, the HALO IP65 3 WATT offers the client long term operational and maintenance cost savings.

SPECIFICATION

- Remote pack dimensions - 35mm dia X 450mm.
- Ceiling cutout - 44mm.
- 220mm ceiling void compatible.
- Dimensions of Lamp head - 52mm dia.

PRODUCT CODE: HANM3/LED/3W/IP65

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	180	6 YRS
SELF TEST	/AT	N-M	3W	180	3 YRS
DALI	/DALI	N-M	3W	180	3 YRS
NETCOM 5	/N5XP	N-M	3W	180	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	180	3 YRS

OPTIC RECESSED

OVERVIEW

The OPTIC LED is specifically designed to offer a cohesive escape route and open plan emergency lighting solution within a specific project, maximising emergency light distribution and offering long term cost savings to the client. Designed to seamlessly integrate into the interior aesthetic of prestigious modern developments, and produced from the highest quality materials, the OPTIC LED range will appeal to architects and consultants alike who require a flexible, innovative and discreet approach to emergency lighting.

SPECIFICATION

- Remote pack dimensions - 65mm dia x 700mm.
- Ceiling cutout - 85mm.
- 220mm ceiling void compatible.
- Remotely located charge LED, up to 32 metres available on request for this fitting, for Hospitals and Nursing Home applications.
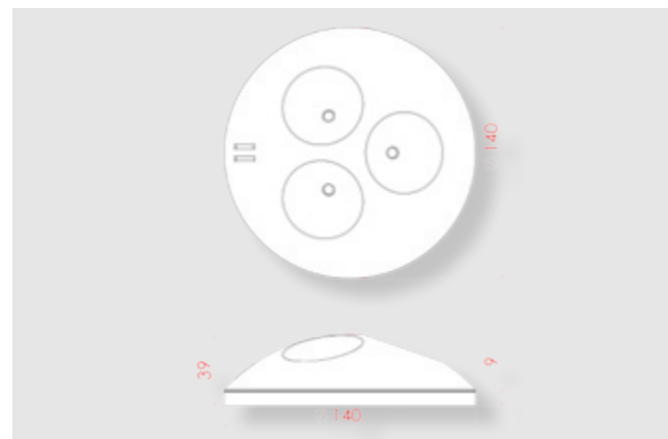
FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

IP RATING	IP20

PRODUCT CODE: OPNM3/LED/ES (ESCAPE ROUTE) OPNM3/LED/OP (OPEN PLAN)

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	300	6 YRS
SELF TEST	/AT	N-M	3W	300	3 YRS
DALI	/DALI	N-M	3W	300	3 YRS
NETCOM 5	/N5XP	N-M	3W	300	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	300	3 YRS

SPACING TABLE: ESCAPE ROUTE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.9	9.6
2.5	4.2	10.4
3	4.5	11.1
4	4.9	12.4
6	5.2	14.2

SPACING TABLE: OPEN PLAN

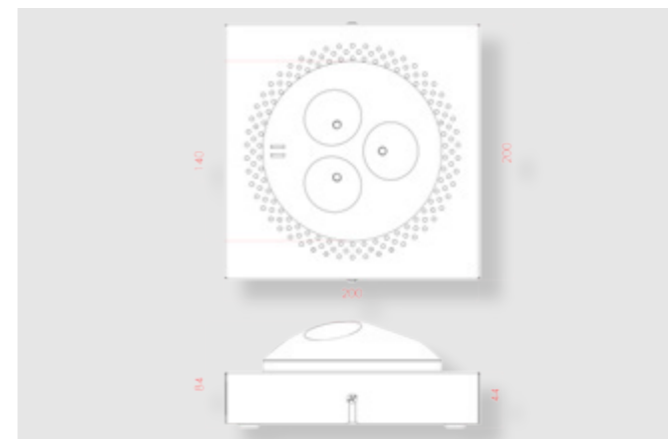| MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.7	8.6
2.5	4.1	9.8
3	4.4	10.9
4	4.7	12.2
6	5.1	13.3

OPTIC SURFACE MOUNT

OVERVIEW

The OPTIC LED is specifically designed to offer a cohesive escape route and open plan emergency lighting solution within a specific project, maximising emergency light distribution and offering long term cost savings to the client. Designed to seamlessly integrate into the interior aesthetic of prestigious modern developments and produced from the highest quality materials, the OPTIC LED range will appeal to architects and consultants alike who require a flexible, innovative and discreet approach to emergency lighting. OPTIC available as a Recessed or Surface Mounted luminaire see below codes.

SPECIFICATION

- Attractive white powder coated sheet steel housing and flame retardant ABS plastic lamp head designed to optimise light distribution for unique escape route and open plan applications.
- 20mm conduit entries at each end of housing and BESA box entry in rear
- Maximum dimensions 200mm L x 200mm D x 70mm H.

FEATURES

IP RATING	IP20

FINISHES

MATERIAL	FINISH
ABS PLASTIC HEAD/ STEEL HOUSING	WHITE RAL 9016
ABS PLASTIC HEAD/ STEEL HOUSING	BLACK RAL 9017

PRODUCT CODE: OPNM3/LED/ES/SM (ESCAPE ROUTE) OPNM3/LED/OP/SM (OPEN PLAN)

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	300	6 YRS
SELF TEST	/AT	N-M	3W	300	3 YRS
DALI	/DALI	N-M	3W	300	3 YRS
NETCOM 5	/N5XP	N-M	3W	300	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	300	3 YRS

SPACING TABLE: ESCAPE ROUTE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.9	9.6
2.5	4.2	10.4
3	4.5	11.1
4	4.9	12.4
6	5.2	14.2

SPACING TABLE: OPEN PLAN

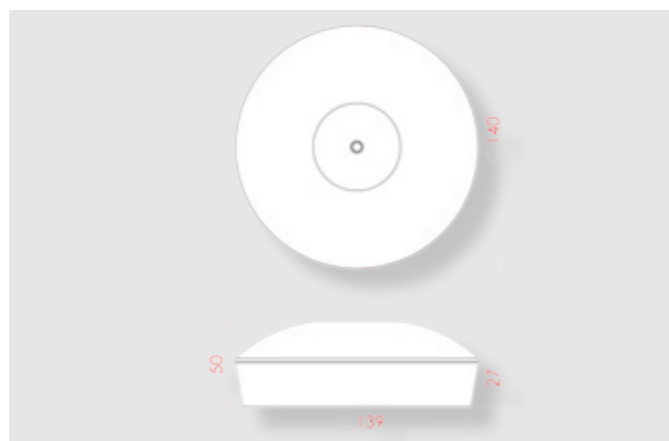| MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.7	8.6
2.5	4.1	9.8
3	4.4	10.9
4	4.7	12.2
6	5.1	13.3

EYECON   **DELTA**

OVERVIEW

The EYECON LED is specifically designed to offer a cohesive surface mounted escape route and open plan emergency lighting solution within a specific project, maximising emergency light distribution and offering long term cost savings to the client. Designed to seamlessly integrate into the interior aesthetic of prestigious modern developments and produced from the highest quality materials, the EYECON LED range will appeal to architects and consultants alike who require a flexible, innovative and discreet approach to emergency lighting.

SPECIFICATION

- Surface mount discreet interior escape route and open plan emergency luminaire for non-maintained self contained applications.
- Designed to optimise light distribution for escape route and open plan applications.
- 20mm cable entry point on the rear of the product.

FINISHES

MATERIAL	FINISH
POLYCARBONATE PLASTIC	WHITE RAL 9016
POLYCARBONATE PLASTIC	BLACK RAL 9017

FEATURES

IP RATING	IP20

PRODUCT CODE: EYNM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	1W	120	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	120	3 YRS

SPACING TABLE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	2.8	6.7
2.5	2.9	7.5
3	3.0	8.0
4	2.9	8.5
6	1.0	8.1

OVERVIEW

The DELTA 3 WATT is a discreet, recessed fitting which is specifically designed to meet the needs of consultants, contractors and end-users. Purpose-designed for interior use, the DELTA 3 WATT luminaire is designed to fit into a cutout hole of 44mm, and comes in two parts, giving the installer more flexibility and ease of installation.

SPECIFICATION

- Dimensions of battery housing -196mm x 33mm x 25mm.
- Dimensions of module housing -196mm x 33mm x 25mm.
- Ceiling cutout - 44mm.
- 220mm ceiling void compatible.
- Shrouded plug/socket DALI/mains connection.
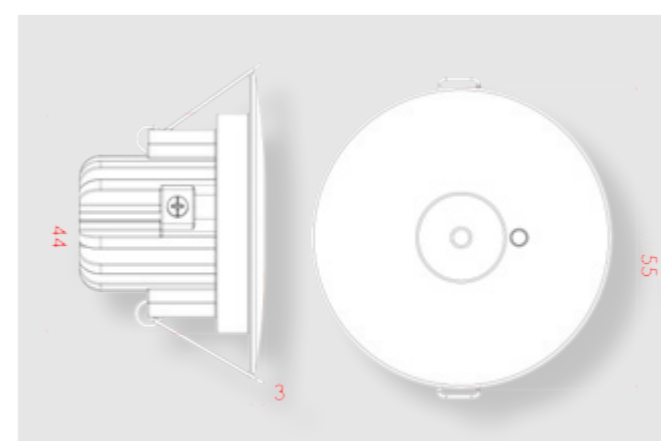
FEATURES

IP RATING	IP20

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

SPACING TABLE:

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.1	6.6
2.5	3.1	7.2
3	3	7.4
4	2.7	7.6
6	-	-

PRODUCT CODE: DENM3/LED3W/

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF TEST	/AT	N-M	3W	150	3 YRS
DALI	/DALI	N-M	3W	150	3 YRS

COLDROOM VERSION AVAILABLE


VISOR 120

WEATHERPROOF

OVERVIEW

Designed for indoor and outdoor installations in a range of commercial and industrial locations, the compact VISOR LED luminaire offers a high level of specification offering 120 lumens in emergency, ease of installation and excellent value for money. Ease of installation, provided by a hinged mounted gear tray and a choice of cable entries, as well as a lens design which maximises light distribution, are key factors which make the VISOR LED one of the most exciting and popular luminaires available from Ventilux.

SPECIFICATION

- Competitively priced, IP65 LED bulkhead.
- Easy to install and maintain.
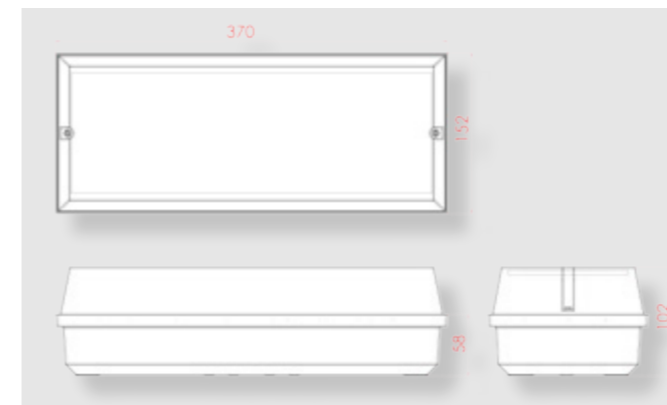- Slimline stylish appearance.

OVERVIEW

The robust and durable design of the WEATHERPROOF (WP) LED 3 watt bulkhead luminaire, makes it ideal for a range of exterior and selected interior locations. Operators of leisure centers, car parks, sports facilities, factories and underground walkways will benefit from its tough, vandal resistant construction and ease of installation. Supplied as standard with a vandal resistant polycarbonate body and a choice of opal or clear polycarbonate prismatic diffuser complete with vandal resistant fixings, it makes the luminaire suitable for the most challenging locations.

SPECIFICATION

- High powered LED bulkhead.
- Vandal resistant design.
- Easy to install and maintain.
- Supplied with 3X1 watt CREE LED Lamp.
- Suitable for temp range - 20°C to 0°C (Coldroom version).

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

IP RATING	IP65

FEATURES

IP RATING	IP65
PROTECTION	TAMPER PROOF

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

PRODUCT CODE: VINM3/LED/120

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	1W	120	6 YRS
SELF TEST	/AT	N-M	1W	120	3 YRS
DALI	/DALI	N-M	1W	120	3 YRS
NETCOM 5	/N5XP	N-M	1W	120	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	1W	120	3 YRS
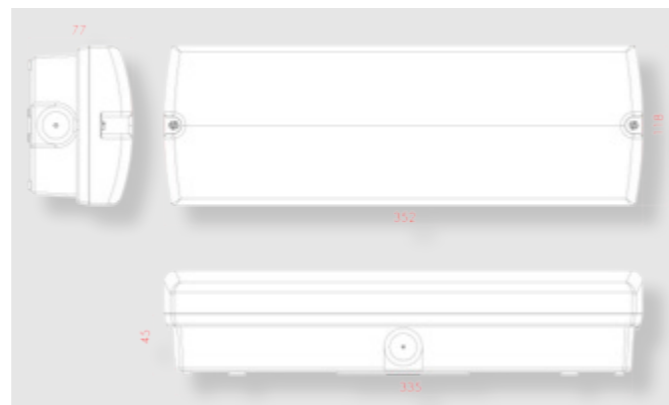
SPACING TABLE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	2.3	7.1
2.5	1.8	6.9
3	1.4	6.3
4	-	4.2
6	-	-

SPACING TABLE: WPNM3/LED3W

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.5	9.2
2.5	3.6	9.7
3	3.7	10
4	3.5	10.3
6	2.2	9.8

SPACING TABLE: WPM3/LED/3W/CR

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	3.3	8.4
2.5	2.8	9.1
3	2.9	9.1
4	2.7	8.2
6	0.2	7.1

PRODUCT CODE WEATHERPROOF: WPNM3/LED3W

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M/M	3W	300	6 YRS
SELF TEST	/AT	N-M/M	3W	300	3 YRS
DALI	/DALI	N-M	3W	300	3 YRS
NETCOM 5	/N5XP	N-M/M	3W	300	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	300	3 YRS

PRODUCT CODE COLD-ROOM WEATHERPROOF: WPM3/LED/3W/CR

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	3W	240	6 YRS
SELF TEST	/AT	M	3W	240	3 YRS
DALI	/DALI	M	3W	240	3 YRS
NETCOM 5	/N5XP	M	3W	240	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	300	3 YRS

HIGH RISK AREA LUMINAIRE
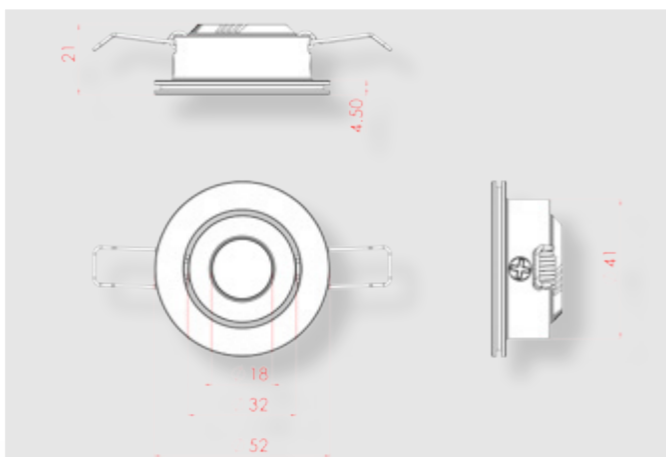
HI-LITE

SKYLUX 9W HIGH BAY

OVERVIEW

The HI-LITE 3 WATT is a discreet, recessed fitting which is specifically designed to illuminate fire call points, first aid points etc to the required 5 lux vertical illumination. Purpose designed for interior use, the HI-LITE 3 WATT luminaire is designed to fit into a cut out hole of 45mm, and comes in two parts, giving the installer more flexibility and ease of installation. A minimum of a 5 lux wall wash is achieved from ceiling heights of up to 10 meters, making it the ideal fitting for illuminating:

- Call points/Break glass units
- High risk areas
- Disabled refuge points
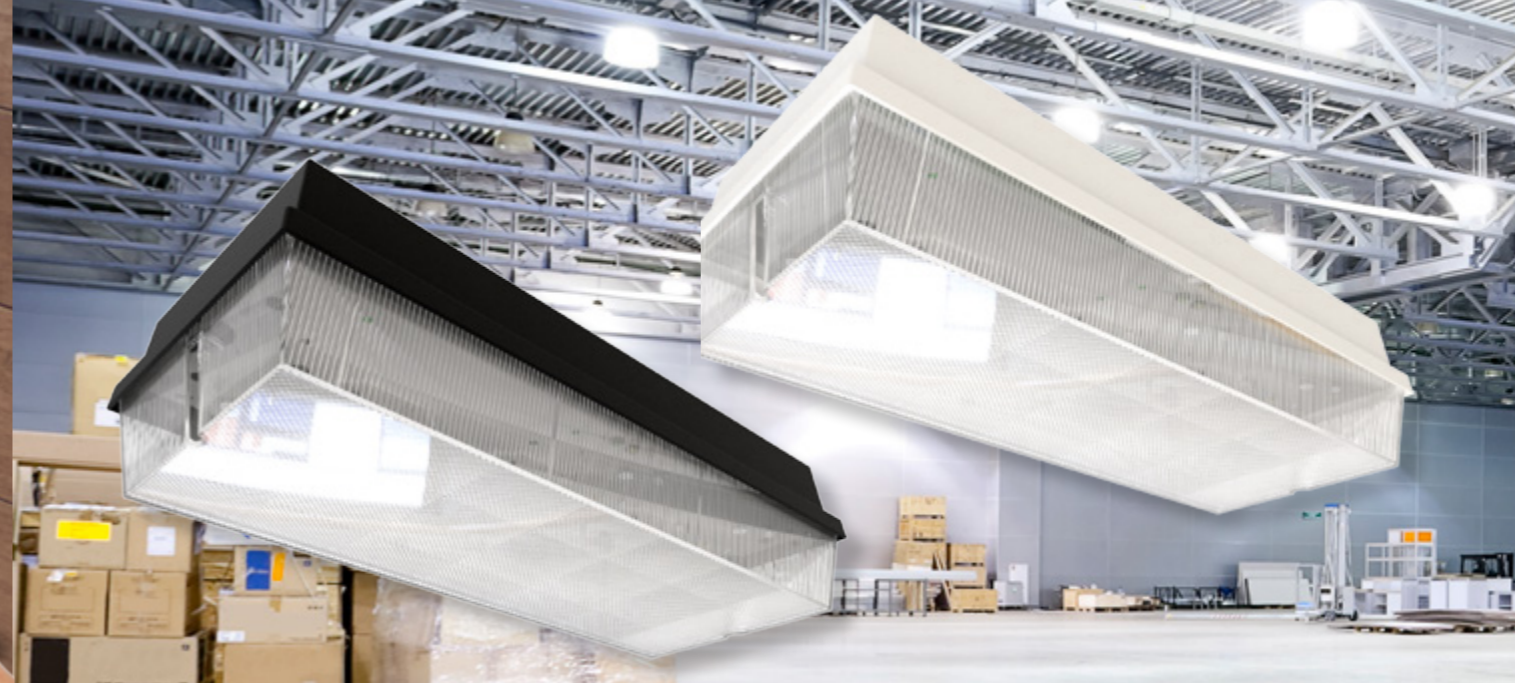- Distribution boards

SPECIFICATION

- Purposed designed 30 degree focused lens.
- Adjustable gimbal to focus light on specific points of emphasis.
- Remote pack dimensions - 35mm dia x 450mm.
- Ceiling cutout - 45mm.
- 220mm ceiling void compatible.
- Remotely located charge LED, up to 32 metres available on request for this fitting, for Hospital and Nursing Home applications.

FINISHES

MATERIAL	FINISH
ALUMINUM	WHITE RAL 9016
ALUMINUM	BLACK RAL 9017

FEATURES

IP RATING	IP40
MOUNTING HEIGHTS UP TO 10 METERS	5 LUX

PRODUCT CODE:

| SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	180	6 YRS
SELF TEST	/AT	N-M	3W	180	3 YRS
DALI	/DALI	N-M	3W	180	3 YRS
NETCOM 5	/N5XP	N-M	3W	180	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	180	3 YRS

OVERVIEW

Designed specifically for high ceiling commercial and industrial applications, the compact SKYLUX 9 WATT LED emergency luminaire offers a high level of specification, ease of installation and excellent value for money. Operators of leisure centers, car parks, sports facilities and high ceiling factories will benefit from its tough, vandal resistant construction and ease of installation. Offering 6 high powered 1.5 watt LEDs giving an impressive 900 lumens in emergency, this product offers a technically superior alternative to the conventional twin spots in high bay applications, offering an impressive 20 metre 1.0 lux spacing at a 10 metre ceiling height.

SPECIFICATION

- Flame Retardant ABS body
- Tamper Proof Luminaire
- IP65 Rating
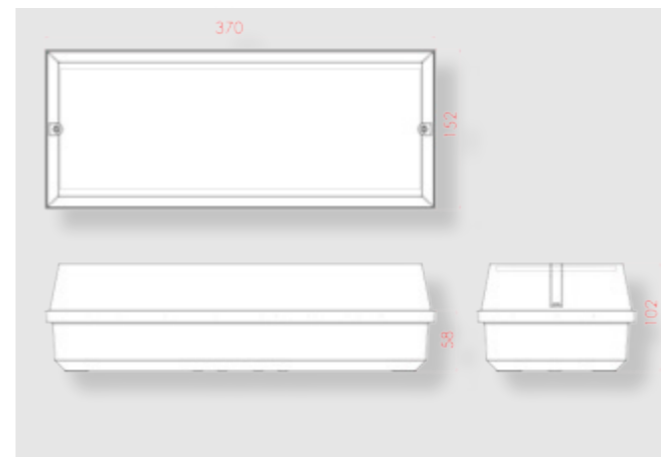
FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

IP RATING	IP65
PROTECTION	TAMPER PROOF

SPACING TABLE:

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
6	6.7	22.4
8	7.3	18.6
10	6.7	20.4
12	6.1	20.4
14	4.7	19.1

PRODUCT CODE SKYLUX: SKNM3/LED9W

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	9W	900	6 YRS
SELF TEST	/AT	N-M	9W	900	3 YRS
NETCOM 5	/N5XP	N-M	9W	900	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	9W	900	3 YRS

SCOUT LED

I-LUX

I-LUX SURFACE MOUNT

OVERVIEW

Purpose designed for interior use, the SCOUT LED 6 watt luminaire houses a unique swivel and rotate system, which allows independent positioning of the latest LED projectors, giving the installer more flexibility on installation. Unlike other twin projector luminaires, the Scout LED not only includes a unique rotate reflector system, but also an aesthetically pleasing compact enclosure which will blend into almost any decor where open area lighting must be provided to direct persons escaping onto the defined escape route. Surface mounting the Scout LED is the only option for discreet and stylish Emergency Lighting installations.

SPECIFICATION

* Twinspot LED non-maintained emergency lighting luminaire.
* Incorporates a new swivel and rotate reflector system, which allows the user to highlight a wider area.
* 50,000 hour high intensity white LEDs as standard.
* Designed to be both ceiling & wall mounted.
* Available in tungsten halogen on request.
* Purpose designed for prestigious interiors to blend in and compliment the existing aesthetic.
* Slimline enclosure can be semi-recessed to the lid level.

TWINSPOT EULUMDAT DATA

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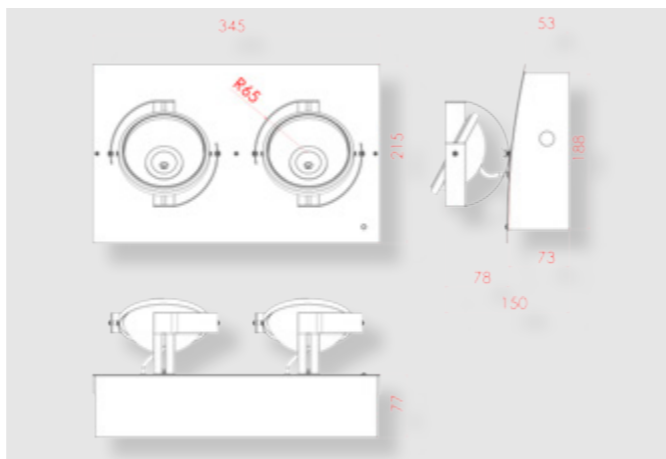
FINISHES

MATERIAL	FINISH
SHEET STEEL	WHITE RAL 9016
SHEET STEEL	BLACK RAL 9017
SHEET STEEL	STAINLESS STEEL

FEATURES

IP RATING	IP40

PRODUCT CODE SCOUT:

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	6W	180	6 YRS
SELF TEST	/AT	N-M	6W	180	3 YRS
DALI	/DALI	N-M	6W	180	3 YRS
NETCOM 5	/N5XP	N-M	6W	180	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	180	3 YRS

OVERVIEW

The I-LUX LED is a spotlight with 340 degrees of rotation and 90 degree angle movement for the LED head. Its small discreet design ensures it does not impact or compromise the architectural design of an installation. The I-LUX LED is also available in a surface mounted version with single or dual spotlights.

SPECIFICATION

* Available with single or twin lamp surface mounted versions.
* Remote pack dimensions - 38mm dia X 500mm (I-lux version only).
* Ceiling cutout - 10mm.
* 220mm ceiling void compatible (I-lux version only).

FINISHES

MATERIAL	FINISH
PAINTED ALUMINIUM	WHITE RAL 9016
PAINTED ALUMINIUM	BLACK RAL 9017
ALUMINIUM	BRUSHED

PRODUCT CODE: ILUXNM3/LED3W

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	3W	180	6 YRS
SELF TEST	/AT	N-M	3W	180	3 YRS
DALI	/DALI	N-M	3W	180	3 YRS
NETCOM 5	/N5XP	N-M	3W	180	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	180	3 YRS
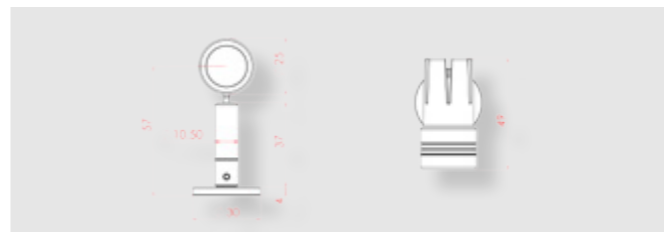
OVERVIEW

The I-LUX LED SURFACE MOUNT is a twin spotlight with 340° of rotation and 90° angle movement for the LED head. Its small discreet and minimalist design ensures it does not impact or compromise the architectural design of an installation.

SPECIFICATION

* Purposed designed 3400 lamp head rotation.
* Adjustable gimbal to focus light on specific points.
* Suitable for ceiling or wall mounting.
* 2 LED lamp heads
* Each lamp head fitted with 3 watt CREE LED
* Lamp colour - 4500K

FINISHES

MATERIAL	FINISH
PAINTED ALUMINIUM	WHITE RAL 9016
PAINTED ALUMINIUM	BLACK RAL 9017
ALUMINIUM	BRUSHED

PRODUCT CODE: ILUXNM3/LED3W/SM

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	3W	180	6 YRS
SELF TEST	/AT	N-M	3W	180	3 YRS
DALI	/DALI	N-M	3W	180	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	180	3 YRS
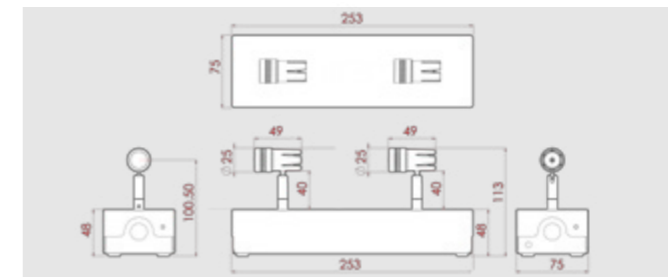
COMPACT TWIN LAMP LED

COMPACT TWIN LAMP HALOGEN

OVERVIEW

The CTL LED 9 & 18 WATT twin spot range of luminaires have been specifically designed to provide a cost effective and low maintenance emergency lighting solution that offers superior performance to a conventional 20 watt TH twin spot. Suitable for high bay industrial areas, factories, large warehouses, loading bays where there is a requirement to project high intensity beams between the racks and equipment to illuminate walkways and assist safe evacuation in case of emergency.

SPECIFICATION

• Competitively priced, IP40 LED twin spot.
• Easy to install and maintain.
• Available in self-contained versions.
• Swivel and tilt mounting of LED projectors.
• Supplied with LED projector lamp.

OVERVIEW

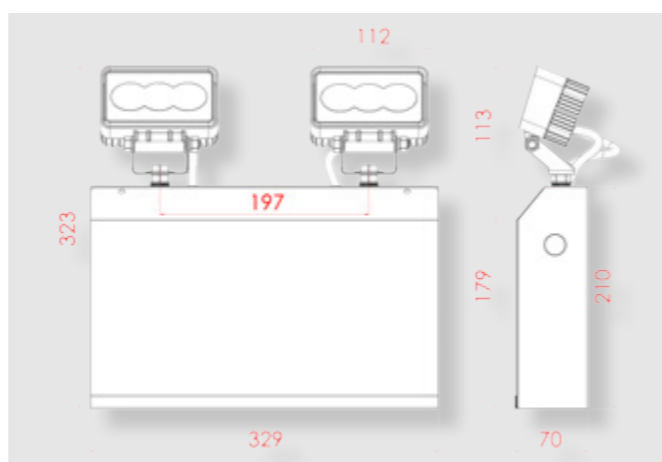The Compact Twinspot (CTL) range of luminaires have been specifically designed to provide emergency lighting in high bay industrial areas, factories or large warehouses where there is a requirement to project high intensity beams between the racks and equipment to illuminate walkways and assist safe evacuation in case of emergency. Designed to be mounted at high levels, the CTL luminaires incorporate swivel and tilt projectors which can be independently adjusted to highlight any particular area. Unlike some other twin projector luminaires, the CTL range include aesthetically pleasing compact enclosures.

SPECIFICATION

• Compact, aesthetically pleasing twin projector luminaire.
• Purpose designed for installations in high bay industrial areas, factories and large warehouses.
• Designed to provide emergency lighting to walkways between plant and equipment racking.

FINISHES

MATERIAL	FINISH
PAINTED SHEET STEEL	WHITE RAL 9016
PAINTED SHEET STEEL	BLACK RAL 9017

FEATURES

IP RATING	IP40

FEATURES

IP RATING	IP40

FINSHES

MATERIAL	FINISH
PAINTED SHEET STEEL	WHITE RAL 9016
PAINTED SHEET STEEL	BLACK RAL 9017

TWINSPOT EULUMDAT DATA

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PRODUCT CODE CTL: CTL2X9WLED/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	9W	900	3 YRS
SELF TEST	/AT	N-M	9W	900	3 YRS
NETCOM 5	/N5XP	N-M	9W	900	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	900	3 YRS

PRODUCT CODE CTL: CTL2X18WLED/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	18W	2170	3 YRS
SELF TEST	/AT	N-M	18W	2170	3 YRS
NETCOM 5	/N5XP	N-M	18W	2170	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	2170	3 YRS
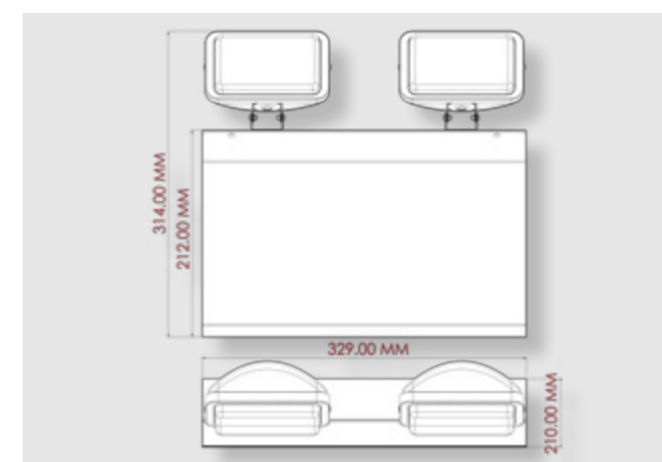
PRODUCT CODE: CTL20/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	20W	600	3 YRS
SELF TEST	/AT	N-M	20W	600	3 YRS
NETCOM 5	/N5XP	N-M	20W	600	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	600	3 YRS

TWINSPOT EULUMDAT DATA

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LED REMOTE LAMPS

* SPECIFY */RL AT THE END OF THE PRODUCT CODE FOR REMOTE LAMPS

HALOGEN REMOTE LAMPS

* SPECIFY */RL AT THE END OF THE PRODUCT FOR REMOTE LAMPS

WEATHERPROOF TWIN LAMP LED IP67

WEATHERPROOF TWIN LAMP HALOGEN IP67

OVERVIEW

For industrial areas, factories or warehouses with aisles and specific hazards causing obstruction, open area lighting must be provided to direct persons escaping onto the defined escape route. Designed to project the light output from the high efficiency LED lamps exactly where needed, these luminaires are provided with an IP67 degree of protection from dust and water ingress. Offering the ability to mount the IP67 LED lamp heads remotely the WEATHERPROOF TWIN LAMP LED IP67 offers market leading performance and adaptability.

SPECIFICATION

- IP67 LED twin spot.
- Available with Remote Lamp Option Specify */RL.
- Swivel and tilt mounting of LED projectors.
- Higher Output than Tungsten Halogen lamp.
- Reduces Contractors' Project Installation Costs.
- Reduces Clients Battery Replacement Costs.
- 9 and 18 Watt.

FINISHES

MATERIAL	FINISH
POLYCARBONATE PLASTIC	GREY RAL 7044
POLYCARBONATE PLASTIC	WHITE RAL 9016
POLYCARBONATE PLASTIC	BLACK RAL 9017

FEATURES

IP RATING	IP67

TWINSPOT EULUMDAT DATA

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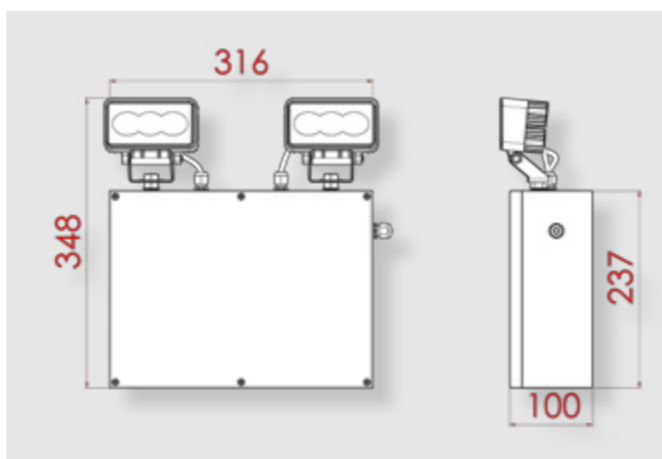
PRODUCT CODE WTL 9 WATT: WTL2X9WLED/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	9W	950	3 YRS
SELF TEST	/AT	N-M	9W	950	3 YRS
NETCOM 5	/N5XP	N-M	9W	950	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	9W	950	3 YRS

PRODUCT CODE WTL 18 WATT: WTL2X18WLED/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	18W	2170	3 YRS
SELF TEST	/AT	N-M	18W	2170	3 YRS
NETCOM 5	/N5XP	N-M	18W	2170	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	18W	2170	3 YRS

OVERVIEW

For industrial areas, factories or warehouses with aisles and specific hazards causing obstruction, open area lighting must be provided to direct persons escaping onto the defined escape route. The provision of Emergency Lighting in these areas is best achieved through the use of Ventilux WEATHERPROOF TWIN LAMP HALOGEN Luminaires designed to project the light output from the high efficiency halogen lamps exactly where needed, with IP67 degree of protection from dust and water ingress. Polycarbonate projector lenses can also be provided for food preparation area installations where glass is prohibited.

SPECIFICATION

- IP67 Halogen twin spot.
- Available with Remote Lamp Option Specify */RL.
- High efficiency 20 watt or 55 watt tungsten
- Halogen projectors.
- Corrosion resistant.
- Suitable for mounting up to 10m above floor level.
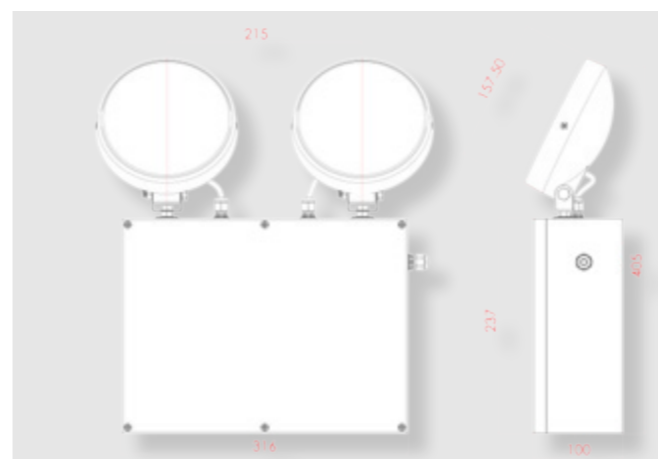
FEATURES

IP RATING	IP67

FINISHES

MATERIAL	FINISH
POLYCARBONATE PLASTIC	GREY RAL 7044
POLYCARBONATE PLASTIC	WHITE RAL 9016
POLYCARBONATE PLASTIC	BLACK RAL 9017

TWINSPOT EULUMDAT DATA

DOWNLOAD .IES FILE (PHOTOMETRIC DATA) FROM OUR WEBSITE: WWW.VENTILUX.COM/DOWNLOAD-CENTRE

PRODUCT CODE WTL 20 WATT: WTL2X20W/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	20W	600	3 YRS
SELF TEST	/AT	N-M	20W	600	3 YRS
NETCOM 5	/N5XP	N-M	20W	600	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	600	3 YRS

PRODUCT CODE WTL 55 WATT: WTL2X55W/NM3

SYSTEM		OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	55W	1900	3 YRS
SELF TEST	/AT	N-M	55W	1900	3 YRS
NETCOM 5	/N5XP	N-M	55W	1900	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	1900	3 YRS

ETS TWINSPOT IP65 LED

SIRIUS IP65 LED

OVERVIEW

The ETS LED IP65 twin spot (ETS-LED-IP65) range of luminaires have been specifically designed to provide a cost effective and low maintenance emergency lighting solution in high bay industrial areas, factories, large warehouses, external loading bays where there is a requirement to project high intensity beams between the racks and equipment to illuminate walkways and assist safe evacuation in case of emergency.
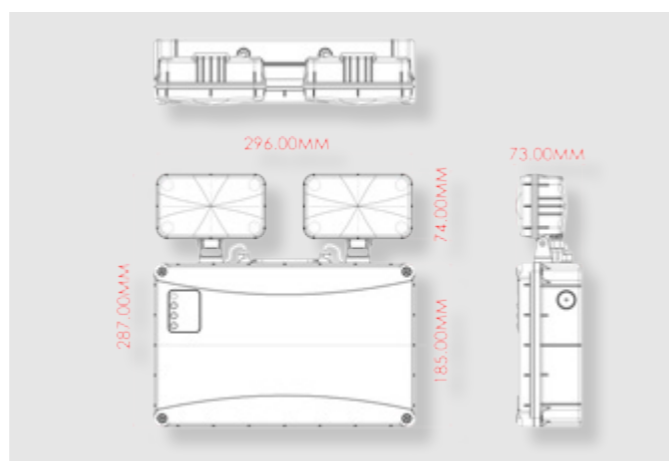
SPECIFICATION

- Competitively priced, IP65 LED twin spot.
- Easy to install and maintain.
- Available in self-contained versions.
- Swivel and tilt mounting of LED projectors.

TWINSPOT EULUMDAT DATA

DOWNLOAD .IES FILE (PHOTOMETRIC DATA) FROM OUR WEBSITE: WWW.VENTILUX.COM/ DOWNLOAD-CENTRE

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016

FEATURES

IP RATING	IP65

PRODUCT CODE ETS IP65: ETSLED/NM3/IP65

SYSTEM	OPERATION	WATTAGE	LUMENS PER LAMP	WARRANTY
SELF CONTAINED	...	N-M	5W	108	3 YRS
DALI	/DALI	N-M	5W	108	3 YRS
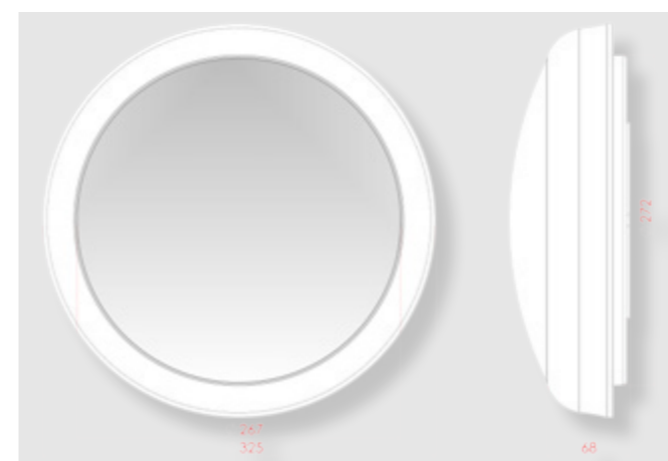
FEATURES

IP RATING	IP65
MICROWAVE SENOR	OPTIONAL EXTRA

FINISHES

MATERIAL	FINISH
POLYCARBONATE PLASTIC	WHITE RAL 9016
POLYCARBONATE PLASTIC	BLACK RAL 9017

SPACING TABLE

MOUNTING HEIGHT (METERS)	DISTANCE WALL TO LUMINAIRE (METERS)	DISTANCE LUMINAIRE TO LUMINAIRE (METERS)
2	2.6	6.9
2.5	2.7	7.2
3	2.6	7.5
4	2.1	7.5
6	...	5.4

OVERVIEW

By functioning as both a mains LED driver and emergency LED driver, the SIRIUS LED luminaire provides an environmentally friendly, long life and economically viable alternative to a traditional fluorescent luminaire. Elegantly slim and offered as both emergency and mains luminaires, it allows for the same seamless profile to be used throughout an installation. Comprising an opalescent polycarbonate diffuser, screw fitted to a polycarbonate base, the SIRIUS LED luminaire has an exceptionally low profile for an emergency lighting luminaire. This is made possible by using a mains LED driver and LED emergency ballast which was pioneered by Ventilux.

SPECIFICATION

- Competitively priced, circular bulkhead.
- Easy to install and maintain.
- Removable internal gear tray.
- Comparable light levels to 28 watt 2D fluorescent lamps.
- Available in self-contained versions.
- Specify */MWS for Micro Wave Sensors.

PRODUCT CODE SIRIUS: SINM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	9W	300	6 YRS
SELF TEST	/AT	N-M	9W	300	3 YRS
DALI	/DALI	N-M	9W	300	3 YRS
NETCOM 5	/N5XP	N-M	9W	300	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	300	3 YRS

PRODUCT CODE SIRIUS: SIM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	9W	900	3 YRS
SELF TEST	/AT	M	9W	900	3 YRS
DALI	/DALI	M	9W	900	3 YRS
NETCOM 5	/N5XP	M	9W	900	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	900	3 YRS

NOVA CIRCLE LED

* SPECIFY NC FOR NOVA CIRCLE & /EY FOR EYELID COVER.

NOVA SQUARE LED

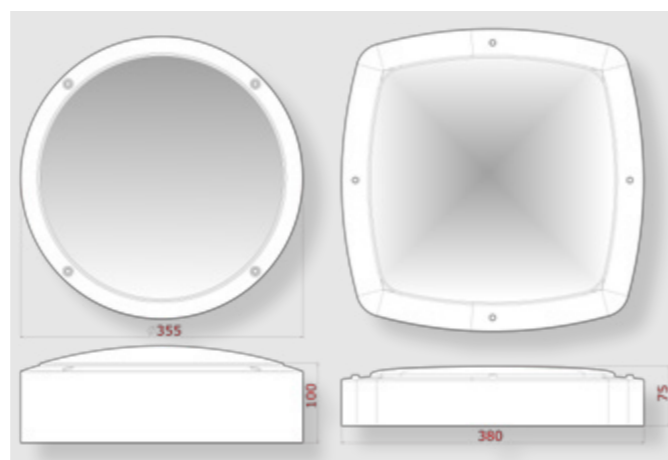* SPECIFY NS FOR NOVA SQUARE & /EY FOR EYELID COVER.

NOVA LED RANGE

APOLLO IP65

OVERVIEW

The NOVA luminaire range are robust, versatile and unobtrusive circular & square cast aluminum exterior IP65 emergency luminaire bulkheads. By functioning as both a mains LED driver and emergency LED driver, the NOVA LED luminaires provide an environmentally friendly, long life and economically viable alternative to a traditional fluorescent luminaire. Offering light output comparable to a conventional 28 watt 2D fluorescent product, the NOVA LED offers the client an easy opportunity to significantly reduce their carbon footprint for a relatively low initial investment and very quick payback time.

SPECIFICATION

- For Eyelid version Specify */EY.
- Also available in 28W2D & 38W2D.
- Flame retardant polycarbonate opal diffuser
- Vandal resistant screws.

OVERVIEW

The compact, robust and durable design of the APOLLO bulkhead luminaire makes it ideal for harsher exterior environments. Supplied as standard with a vandal resistant cast aluminum housing and polycarbonate lens, it makes the luminaire suitable for the most challenging environments. Supplied with a selectable photo-sensor to further enhance the exterior lighting.

SPECIFICATION

- Competitively priced, high powered LED bulkhead.
- Vandal resistant design.
- Available in self-contained versions.
- Supplied with LED lamp.
- 2 watt emergency luminaire.
- 11 watt mains luminaire.
- Cold room and refrigerator functionality available upon special request to Ventilux.
- Apollo Black specify * APM3/L/AT/DLSBL.
- Apollo White specify * APM3/L/AT/DLSWH.
- Apollo Chrome specify * APM3/L/AT/DLSCH.

FINISHES

MATERIAL	FINISH
PAINTED CAST ALUMINIUM	GREY RAL 7040
PAINTED CAST ALUMINIUM	BLACK RAL 9017

FEATURES

IP RATING	IP65
VANDAL PROOF	YES

FEATURES

IP RATING	IP65
VANDAL PROOF	YES
SELECTABLE PHOTO-SENSOR	YES

FINISHES

MATERIAL	FINISH
PAINTED CAST ALUMINIUM	WHITE RAL 9016
PAINTED CAST ALUMINIUM	CHROME RAL 9006
PAINTED CAST ALUMINIUM	BLACK RAL 9017

PRODUCT CODE NOVA SQUARE: NSNM3/LED

SYSTEM	OPERATION		WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	300	6 YRS
SELF TEST	/AT	N-M	3W	300	3 YRS
DALI	/DALI	N-M	3W	300	3 YRS
NETCOM 5	/N5XP	N-M	3W	300	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	3W	300	3 YRS

PRODUCT CODE NOVA CIRCLE: NCNM3/LED

SYSTEM	OPERATION		WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	N-M	3W	300	6 YRS
SELF TEST	/AT	N-M	3W	300	3 YRS
DALI	/DALI	N-M	3W	300	3 YRS
NETCOM 5	/N5XP	N-M	3W	300	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	9W	300	3 YRS

PRODUCT CODE APOLLO: APM3/L/AT/DLS

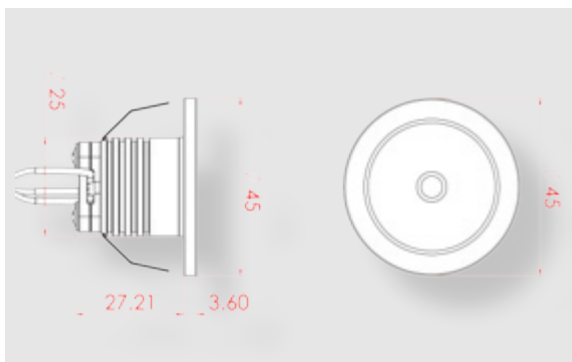| SYSTEM	OPERATION		WATTAGE	LUMENS	WARRANTY
SELF TEST	/AT	M	11W	1050	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	190	3 YRS

EVOLUX 3W

OVERVIEW

Specifically designed with architects and consultants desires in mind. Purpose designed for interior use, the EVOLUX luminaire is a IP20 designed to fit into a hole of 35mm, and comes in two parts, giving the installer more flexibility and ease of installation. Designed for indoor installation in a range of public locations the EVOLUX is an ideal cost effective solution where the emphasis is on discreet and aesthetic appearance.

SPECIFICATION

- Remote pack dimensions - 31mm dia x 343mm.
- Ceiling cutout - 35mm.
- 165mm ceiling void compatible.
- Available in chrome version *EVONM3/LED3W.

PRODUCT CODE: EVONM3/LED3W/WH

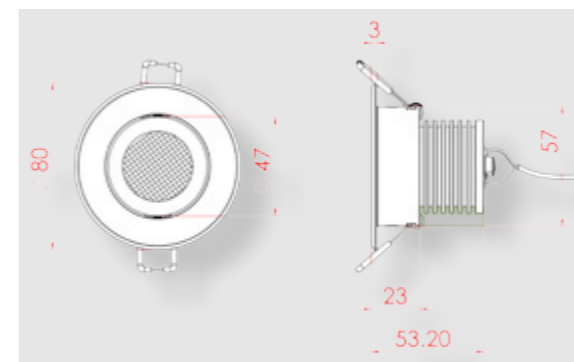| SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	N-M	3W	75	3 YRS

EVOLUX 5W

OVERVIEW

Designed for indoor installation in a range of public locations the EVOLUX 5W is a IP20 cost effective solution where the emphasis is on discreet and aesthetic appearance. Incorporating the latest LED technology, the EVOLUX 5W offers the client long term cost savings with respect to operational and maintenance costs.

SPECIFICATION

- Remote pack dimensions - 41mm dia x 381mm.
- Ceiling cutout - 60-65mm.
- 220mm ceiling void compatible.

PRODUCT CODE: EVONM3/LED5W

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	N-M	5W	170	3 YRS

VISOR IP65

OVERVIEW

Designed for indoor and outdoor installations in a range of commercial and industrial locations, the compact VISOR LED luminaire offers a high level of specification, ease of installation and excellent value for money. Ease of installation, provided by a hinged mounted gear tray and a choice of cable entries, as well as a lens design which maximises light distribution.

SPECIFICATION

- Competitively priced, IP65 LED twin spot.
- Easy to install and maintain.
- Available in self-contained versions.
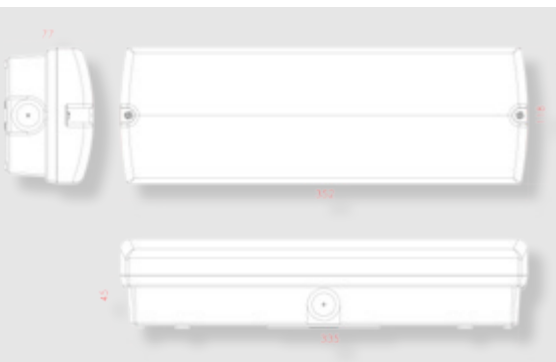
PRODUCT CODE: VIM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	N-M	0.7	70	3 YRS
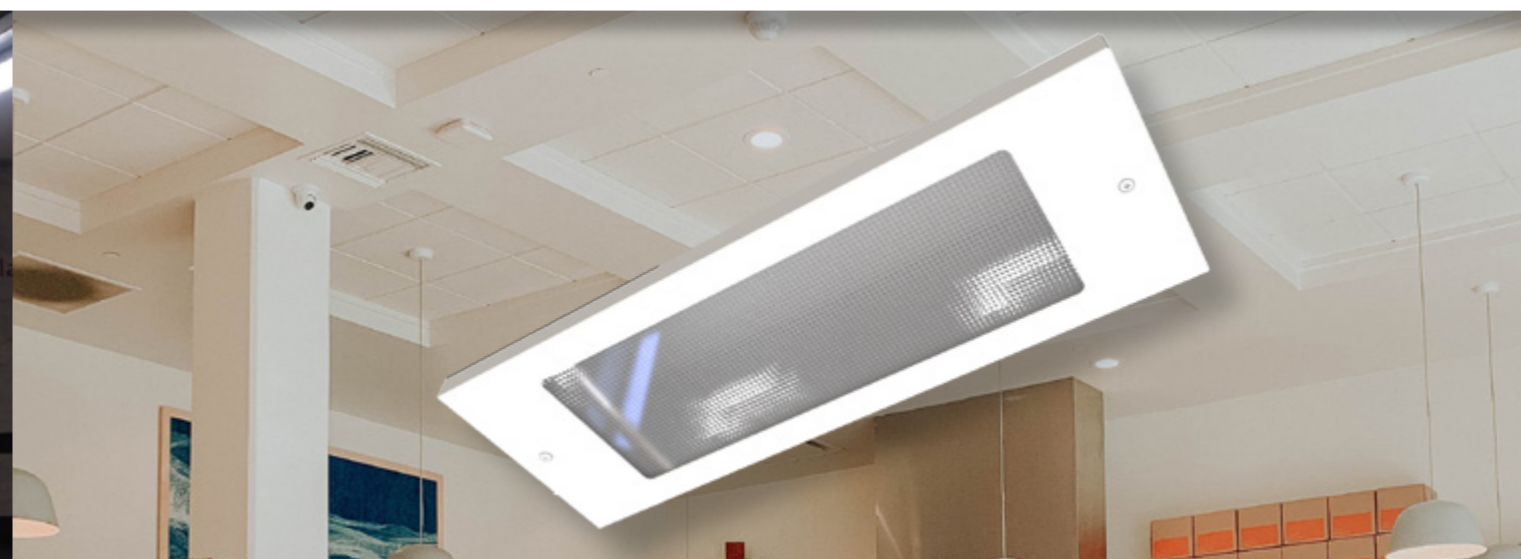
VEGA

OVERVIEW

Designed for unobtrusive indoor installations, the flush mounted VEGA LED is the embodiment of discretion, offering both the specifier and installer a high quality, economic, easy to install recessed LED luminaire.

SPECIFICATION

- Competitively priced, recessed luminaire.
- Hinged gear tray.
- IP20 as standard.
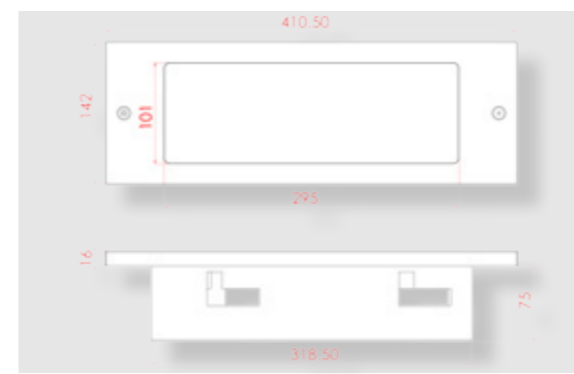
PRODUCT CODE: VEM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	M	0.6	70	3 YRS

CONVERSIONS SERVICE

Ventilux offers a complete light conversion service at their sites in Wicklow and Liverpool, where our specialist conversion staff take pride in ensuring that the full requirements of ICEL 1004 "Modification of Mains Luminaires for Emergency Lighting" are applied. This process is supported by a system of quality, which is established, documented and maintained. All converted products, conversion solutions/methods, and their appropriate tests are recorded on an individual CP drawing which are linked to a Ventilux CP Log.

This is essential, so that we, Ventilux, can apply the same approved method every time we receive a product for conversion thus the manufacture/turn-around of the product can be done as efficiently as possible. Ventilux now have records of conversion solutions to over 3000 different products. All products for conversion continue to benefit from a process of Continuous Measurable Improvement (CMI) where quality is built in.

CONVERSIONS PROJECTS

IRE

DUBLIN AIRPORT

BIOMARIN PHARMACEUTICAL

UK

LIVERPOOL ONE

NATIONAL MARITIME MUSEUM LONDON

QAT

INTERCONTINENTAL HOTEL DOHA

QATAR INTERNATIONAL AIRPORT

KPM-4-5W LED MODULE

OVERVIEW

The low profile of the KPLED 5 WATT series conversion kits enables them to be fitted inside the latest generation LED linear and LED down lighter luminaires and offers a cost effective and environmentally friendly solution to the conventional fluorescent conversions. The convertalux KPLED 5 WATT series has been designed specifically to operate in conjunction with existing mains LED ballasts with an LED drive voltage up to 50 volts, allowing a much easier and lower risk conversion.

SPECIFICATION

- Mode of operation Non-maintained - for maintained operation existing mains ballast needs to be used.
- Input voltage 220/240V +/-10% - 50/60Hz
- Battery charger Constant current nominal charge current 180 mA.
- Constant output power range 4-5 watts.
- Charging monitor High intensity GREEN LED.
- Recharge period -24 hours full recharge/14 hours for 1 hour recharge.
- Rechargeable high temp NiMh 4.8V 4.5Ah.
- Power consumption 6VA.
- Emergency duration 3 hours.
- Standards EN 61347-2-7, EN 60598-2-22, EN55015
- Warranty period 3 years.

PRODUCT CODE: M-4-5W LED MODULE			
SYSTEM	OPERATION		VOLTAGE RANGE
SELF CONTAINED	...	N-M	5V - 50V
NETCOM 5	N5XP	N-M	COMPATIBLE WITH N5XP SYSTEM
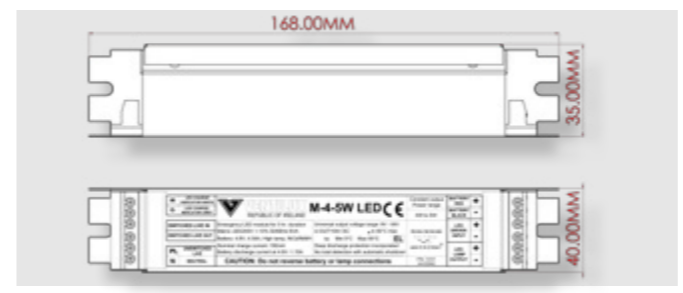
KPM-4-4W 20-240V LED MODULE

OVERVIEW

The M-4-4WLED/20-240V LED conversion module is a range of maintained emergency lighting conversion modules housed in a compact fire retardant plastic low-profile enclosure and suitable for use in either internal or remote self-contained applications. The constant-power driver technology with a self isolated output range of 20V – 240V DC will run almost any LED lamp or LED array including GU10 or linear tubes at a constant emergency power of 4 watts.

SPECIFICATION

- Competitively priced multi-voltage emergency module.
- Large voltage range from 20Vdc to 240Vdc.
- Suitable for internal gear tray and external remote conversion applications.
- Constant emergency output power of approx 4.0W across entire voltage range.
- 4 cell 4.5A/h Ni-Cd/Ni-Mh battery pack.
- 3 hour emergency duration as standard.
- 1 hour emergency duration available upon request.
- 3-pole switching provides full isolation of LED lamp connections & mains LED driver's power supply during emergency operation.
- Constant-current Ni-CD/Ni-Mh charger.
- Additional internal fixing points allows mounting into gear trays.
- Low voltage deep discharge protection to protect battery cells from over discharge.
- Complies with: EN61347-1, EN61347-2-7, EN61347-2-13 EN55015, EN61000-3-2, EN61547.

PRODUCT CODE: M-4-4W 20-240V LED MODULE			
SYSTEM	OPERATION		VOLTAGE RANGE
SELF CONTAINED	...	N-M	20V - 240V
NETCOM 5	N5XP	N-M	COMPATIBLE WITH N5XP SYSTEM
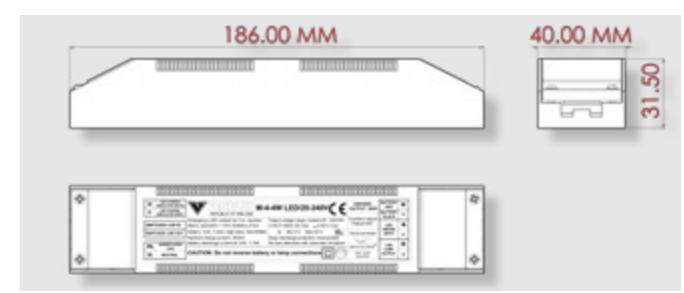
WEATHERPROOF TWINLUX IP67

APOLLO IP65

ISO LEGEND FORMAT – TYPE 1 LEGENDS

ISO-01   ISO-02   ISO-03   ISO-04

ISO-05   ISO-06   ISO-07   ISO-08

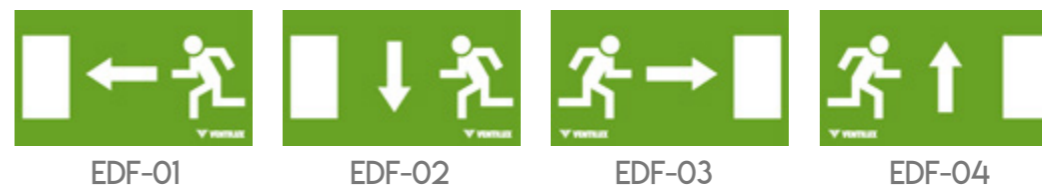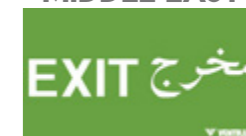Ventilux provides a comprehensive selection of exit sign legend panels to choose from, including:
- ISO 01-08 (Type 1 legends)
- EDF 01-04 (Type 2 legends)
- Middle East. (English/Arabic)

EDF LEGEND FORMAT – TYPE 2 LEGENDS

EDF-01   EDF-02   EDF-03   EDF-04

MIDDLE EAST

EXIT مخرج

ENGLISH/ARABIC

VIEWING DISTANCE

Every exit sign has a maximum viewing distance, look out for the "Eye" icon to determine a exit signs viewing distance.

INGRESS PROTECTION (IP) RATING

The IP system is an internationally recognized method to indicate the degree of protection against the ingress of dust, solid objects and moisture into an enclosure. The letters "IP" are followed by two numerals.

	FIRST DIGIT: INGRESS OF SOLID OBJECT	SECOND DIGIT: INGRESS OF LIQUIDS
0	NO PROTECTION	NO PROTECTION
1	Protected agaisnt solid objects over 50mm E.g. hands, large tools.	Protected against vertically falling drops of water or condensation.
2	Protected against solid objects over 12.5mm E.g. large tools.	Protected against falling drops of water, if the case is disposed up to 15° from vertical.
3	Protected against solid objects over 2.5mm.	Protected against sprays of water from any direction, even if the case is disposed up to 60° from vertical.
4	Protected against solid objects over 1.0mm E.g. wires.	Protected against splash water from any direction.
5	Limited protection against dust ingress (no harmful deposit).	Protected against low pressure water jets from any direction. Limited ingress permitted.
6	Totally protected against dust ingress.	Protected against high pressure water jets from any direction. Limited ingress permitted.
7	N/A	Protected against short periods of immersion in water.
8	N/A	Protected against long, durable periods of immersion in water.
9 K	N/A	Protected against close-range high pressure, high temperature spray downs.

TYPES OF MOUNTING OPTIONS FOR EXIT SIGNAGE

CEILING MOUNTED   SIDE WALL MOUNTED   RECESSED   WALL MOUNTED

EXIT SIGN LUMINAIRES

MULTILUX

EXLUX IP67

MULTILUX BLADE

MULTILUX

OVERVIEW

The MULTILUX BLADE is an easy to install, unobtrusive and aesthetically pleasing panel edge lit EXIT sign product fitted with an LED lamp source. Constructed from 850C glow wire approved plastic, and provided with a full 6 year warranty, the MULTILUX BLADE is the immediate choice for the discerning client. The luminaire comes with multiple mounting options in 1 Solution – and compliments the hanging MultiLux Box Exit luminaire to offer an aesthetically cohesive directional emergency lighting solution. Built-in down lighter to increase the distance to 1st Escape Route Luminaire.

SPECIFICATION

- Single/double sided, wall, ceiling mounted and recessed hanging panel EXIT luminaire.
- Easy to install and maintain.
- Supplied with universal legend kit for flexibility on site.
- Built-in down lighter (60 Lumens).
- IP40 as standard.
- Standard 1000 mm suspension distance.

FINISHES

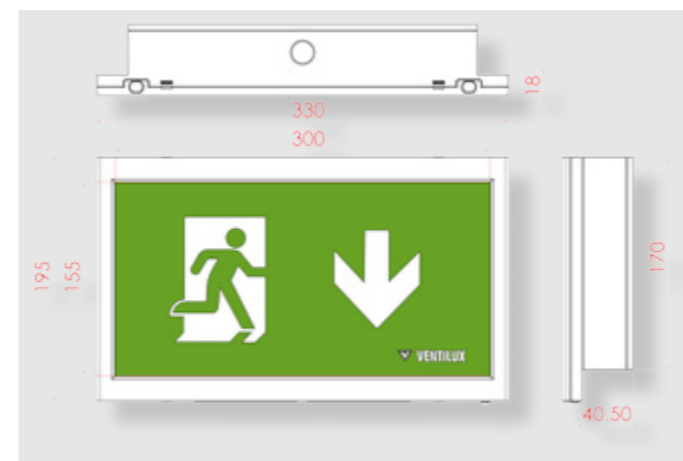| MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

👁	VIEWING DISTANCE 25 METRES
💧	IP RATING IP40

MOUNTING OPTIONS: ALL IN ONE DESIGN SOLUTION

POSITION	DETAIL A *SELF CONTAINED VERSION	DETAIL B AT, DALI, N5XP, CBS VERSION
WALL MOUNTED	INCLUDED	INCLUDED
CEILING MOUNTED	INCLUDED	INCLUDED
RECESSED	INCLUDED	MXB/RK
SIDE WALL MOUNTED	INCLUDED	MXB/SWB

PRODUCT CODE: MXBM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	60	6 YRS
SELF TEST	/AT	M	1W	60	3 YRS
DALI	/DALI	M	1W	60	3 YRS
NETCOM 5	/N5XP	M	1W	60	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	60	3 YRS

OVERVIEW

The MULTILUX is an easy to install, unobtrusive and aesthetically pleasing panel edge lit EXIT sign product fitted with a LED lamp source. Constructed from 850C glow wire approved plastic and provided with a full 6 year warranty, the MULTILUX is the immediate choice for the discerning client. The luminaire comes with multiple mounting options in 1 Solution – and compliments the hanging MULTILUX BLADE luminaire to offer an aesthetically cohesive directional emergency lighting solution. Built-in down lighter to increase the distance to 1st Escape Route Luminaire.

SPECIFICATION

- Aesthetically pleasing, single/double sided, wall, ceiling mounted EXIT luminaire.
- Easy to install and maintain.
- Supplied with universal legend kit for flexibility on site.
- Available in self-contained and slave versions.
- IP40 as standard.
- Built-in down lighter (60 Lumens).

FEATURES

👁	VIEWING DISTANCE 25 METRES
💧	IP RATING IP40

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

PRODUCT CODE: MXM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	60	6 YRS
SELF TEST	/AT	M	1W	60	3 YRS
DALI	/DALI	M	1W	60	3 YRS
NETCOM 5	/N5XP	M	1W	60	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	60	3 YRS

MOUNTING OPTIONS: ALL IN ONE DESIGN SOLUTION

POSITION	CODE
WALL MOUNTED	INCLUDED
CEILING MOUNTED	INCLUDED
SIDE WALL MOUNTED WITH BRACKET	INCLUDED

ATLANTIC
• Specify *ATM3/LED

ATLANTIC SP
• Specify *ATSPM3/LED

ATLANTIC & ATLANTIC SP

ATLANTIC EB

OVERVIEW

The ATLANTIC LED & ATLANTIC SP are easy to install, unobtrusive and aesthetically pleasing panel edge lit EXIT sign products fitted with a LED lamp source. Constructed from 850C glow wire approved plastic and provided with a full 3 year warranty, the ATLANTIC's are the immediate choice for the discerning client. The luminaire comes with multiple mounting options - and compliments ATLANTIC EB luminaires to offer an aesthetically cohesive directional emergency lighting solution.

SPECIFICATION

• Single/double sided, wall and ceiling mounted EXIT luminaire.
• Available in double sided format. Add /DS to order code.
• Easy to install and maintain.
• Supplied with universal legend kit for flexibility on site (ISO 01, 02, 03 & 04).
• Suitable for recessing with recessing kit (Sold separately) specify product code AT/RK for recessing kit.
• Standard 1000mm suspension distance (ATSPM3/LED) only.

OVERVIEW

The ATLANTIC EB LED DALI is an easy to install, unobtrusive and aesthetically pleasing panel edge lit EXIT sign product fitted with a LED lamp source. Constructed from 850C glow wire approved plastic and provided with a full 3 year warranty, the ATLANTIC is the immediate choice for the discerning client. The wall mounted luminaire compliments the ATLANTIC and ATLANTIC SP luminaires to offer an aesthetically cohesive directional emergency lighting solution.

SPECIFICATION

• Single sided, wall mounted EXIT luminaire.
• Easy to install and maintain.
• Supplied with universal legend kit for flexibility on site (ISO 01, 02, 03 & 04).
• IP20 as standard.
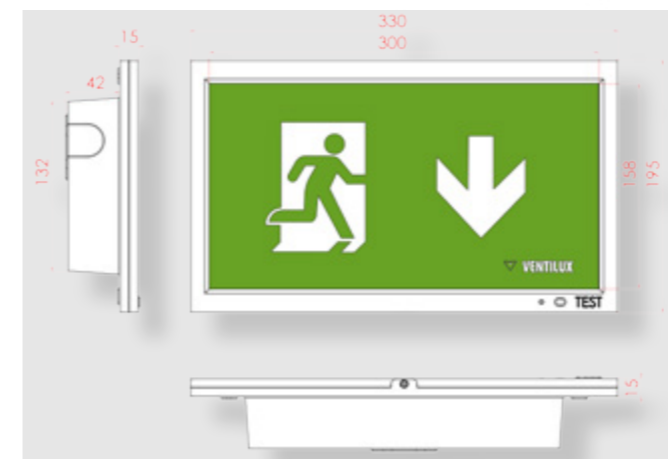
FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

👁	VIEWING DISTANCE 25 METRES
💧	IP RATING IP20

FEATURES

👁	VIEWING DISTANCE 25 METRES
💧	IP RATING IP20

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

MOUNTING OPTIONS

POSITION	CODE
ATLANTIC FIXED EXIT PANEL	ATM3/LED
ATLANTIC HANGING PANEL	ATSPM3/LED
WALL MOUNTED	*INCLUDED IN BOTH VERSION
CEILING MOUNTED	*INCLUDED IN BOTH VERSIONS
RECESSED	ADD CODE* AT/RK

PRODUCT CODE: ATM3/LED OR ATSPM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF TEST	/AT	M	1W	8	3 YRS
DALI	/DALI	M	1W	8	3 YRS

PRODUCT CODE: ATEBM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF TEST	/AT	M	1W	1W	3 YRS
DALI	/DALI	M	1W	1W	3 YRS

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED	INCLUDED
WALL RECESSED	INCLUDED

CEILING MOUNTED VASARI
• Specify *VAIM3/LED/CM

WALL MOUNTED VASARI
• Specify *VAIM3/LED/WM

EXIT مخرج

CEILING MOUNTED
• Specify */CM
WALL MOUNTED
• Specify */WM

WALL KIT
• Specify */WK

SIDE WALL BRACKET
• Specify */WBK

VASARI

VANGUARD

The VASARI LED luminaire is a versatile and unobtrusive emergency luminaire. Designed to satisfy statutory requirements for exit signs using panels selected from the comprehensive range of types available, which will correctly indicate the direction of the escape route. The VASARI LED offers the client a long term maintenance and operational cost saving compared to conventional 8 watt luminaires. Available in white powder coated sheet steel or with a polished brass finish, the housing provides a versatile ceiling or wall mounting option. It is used extensively for special signage purposes in a wide range of commercial and industrial premises.

The development of the VANGUARD range marks yet another unique progression in emergency lighting. This family of products is specifically designed to enable a cohesive directional emergency lighting solution, adaptable to all mounting scenarios within a specified project. Designed to seamlessly integrate into the interior aesthetic of prestigious modern developments and produced from the highest quality materials the VANGUARD range will appeal to architects, consultants and contractors who require a flexible and innovative approach to emergency lighting.

SPECIFICATION

• Unobtrusive slimline design suited to almost any installation.
• Attractive white powder coated sheet steel housing can be positioned conveniently above doors or at changes of direction.

FINISHES

MATERIAL	FINISH
PAINTED SHEET STEEL	WHITE RAL 9016
PAINTED SHEET STEEL	BLACK RAL 9017
PAINTED SHEET STEEL	CHROME RAL 9006
PAINTED SHEET STEEL	BRASS RAL 1036

FEATURES

👁	VIEWING DISTANCE 30 METRES
💧	IP RATING IP40

FEATURES

👁	VIEWING DISTANCE 34 METRES
💧	IP RATING IP20

FINISHES

MATERIAL	FINISH
PAINTED STEEL	WHITE RAL 9016
PAINTED STEEL	BLACK RAL 9017
ALUMINIUM	BRUSHED FINISH
STEEL	BRUSHED FINISH

SPECIFICATION

• Exit sign luminaire for self-contained (maintained/non-maintained), or mains operation with LED lamps.
• 10mm screen printed acrylic signage panel.
• Screen printed legend panel.
• High temperature sealed Ni-Mh battery
• 20mm rear cable entry.

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED VASARI	VAIM3/LED/WM
CEILING MOUNTED VASARI	VAIM3/LED/CM
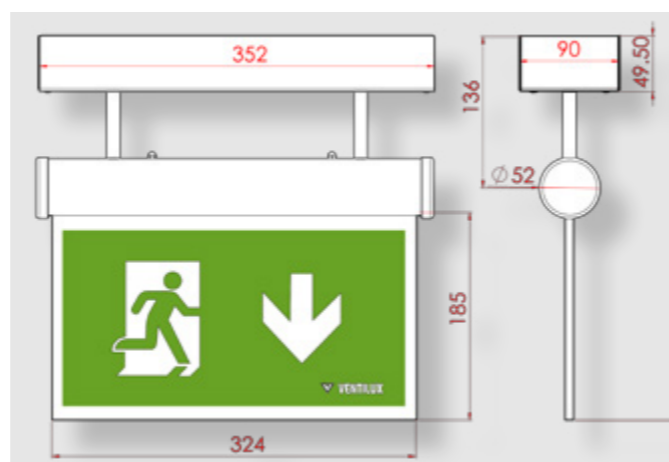
PRODUCT CODE: VAIM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	10	6 YRS
SELF TEST	/AT	M	1W	10	3 YRS
DALI	/DALI	M	1W	10	3 YRS
NETCOM 5	/N5XP	M	1W	10	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	10	3 YRS

PRODUCT CODE: VGDM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	8	6 YRS
SELF TEST	/AT	M	1W	8	3 YRS
DALI	/DALI	M	1W	8	3 YRS
NETCOM 5	/N5XP	M	1W	8	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	8	3 YRS

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED	ADD CODE* /WM
CEILING MOUNTED	ADD CODE* /CM
WALL KIT	ADD CODE* /WK
SIDE WALL BRACKET MOUNTED	ADD CODE* /WBK

STYLUX

RECESSED STYLUX

The STYLUX LED CEILING MOUNTED sign luminaire is an indoor versatile, unobtrusive and economic hanging edge lit EXIT sign product fitted with an LED lamp source. Designed to satisfy the statutory requirements for indoor exit signs, the STYLUX LED luminaire is ideal for those installations where there is an emphasis on clear and aesthetic signage with the added bonus of long term cost savings that comes with LED technology.

SPECIFICATION

- Competitively priced, hanging LED EXIT sign.
- Easy to install and maintain.
- Available in self-contained versions.

As an alternative to the standard STYLUX LED blade EXIT sign luminaires, the Ventilux RECESSED STYLUX LED luminaire provides the same combination of style and design in a high quality luminaire in which all of the control equipment is fully recessed into the ceiling. The compact RECESSED STYLUX LED emergency luminaire offers a flush unobtrusive appearance, high level of specification, ease of installation and excellent value for money.

SPECIFICATION

- Competitively priced, recessed LED EXIT sign.
- Easy to install and maintain.
- Removable internal gear tray.
- Available in self-contained versions.
- Available in mains and CBS versions - contact Ventilux for order codes.
- Low profile 110mm height panels available on request.

FINISHES

MATERIAL	FINISH
WHITE POWDER COATED STEEL	WHITE RAL 9016
BLACK POWDER COATED STEEL	BLACK RAL 9017
CHROME PLATED SHEET STEEL	POLISHED FINISH
BRASS PLATED SHEET STEEL	POLISHED FINISH

FEATURES

👁	VIEWING DISTANCE 28 METRES
💧	IP RATING IP40

FEATURES

👁	VIEWING DISTANCE 28 METRES
💧	IP RATING IP40

FINISHES

MATERIAL	FINISH
PAINTED SHEET STEEL	WHITE RAL 9016
PAINTED SHEET STEEL	BLACK RAL 9017
PAINTED SHEET STEEL	CHROME RAL 9006
PAINTED SHEET STEEL	BRASS RAL 1036

PRODUCT CODE: STM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	90	6 YRS
SELF TEST	/AT	M	1W	90	3 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	90	3 YRS

PRODUCT CODE: RSTM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	90	6 YRS
SELF TEST	/AT	M	1W	90	3 YRS
DALI	/DALI	M	1W	90	3 YRS
NETCOM 5	/N5XP	M	1W	90	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	90	3 YRS

MOUNTING OPTIONS

POSITION	CODE
CEILING MOUNTED HANGING PANEL	INCLUDED
CEILING MOUNTED	ADD CODE* /CM

MOUNTING OPTIONS

POSITION	CODE
RECESSED	INCLUDED
RECESSED WITH TILLER LAMPS	ADD CODE* /TL

LOW PROFILE PANELS AVAILABLE

Recessed Stylux is available with a 110mm height panel. These reduced Low profile panels are the perfect choice for low ceilings.

VISTA

VISTA DOUBLE SIDED

The VISTA was designed to seamlessly integrate into the interior aesthetic of prestigious modern developments and produced from the highest quality materials. The Vista range will appeal to architects and consultants who require a flexible and innovative approach to emergency lighting that takes into account their budget and aesthetic considerations.

SPECIFICATION

- Aesthetically pleasing, single sided, wall/ceiling mounted EXIT luminaire.
- Easy to install and maintain.
- Stainless Steel housing with Polycarbonate legend.
- High Temperature Ni-Cd or Ni-Mh battery.
- Also available with Netcom5XP or DALI
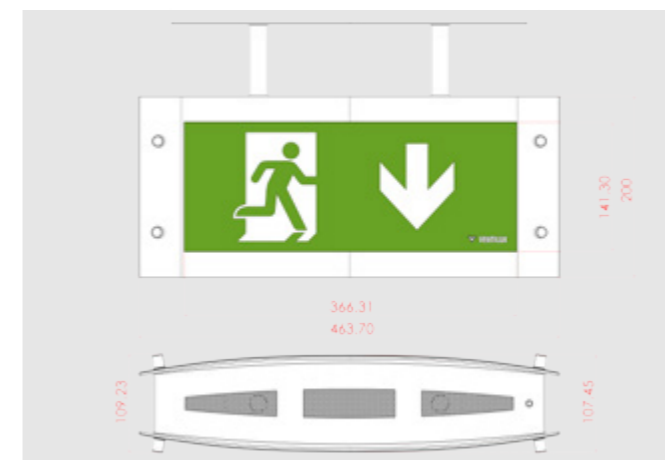
The VISTA DOUBLE SIDED was also designed to seamlessly integrate into the interior aesthetic of prestigious modern developments and produced from the highest quality materials, the Vista range will appeal to architects and consultants who require a flexible and innovative approach to emergency lighting that takes into account their budget and aesthetic considerations.

SPECIFICATION

- Aesthetically pleasing, double sided, wall/ceiling mounted EXIT luminaire.
- Easy to install and maintain.
- Stainless Steel housing with Polycarbonate legend.
- High Temperature Ni-Cd or Ni-Mh battery.
- Also available with Netcom5XP or DALI

FINISHES

MATERIAL	FINISH
STAINLESS STEEL	BRUSHED
STAINLESS STEEL	WHITE RAL 9016
STAINLESS STEEL	BLACK RAL 9017

FEATURES

👁	VIEWING DISTANCE 34 METRES
💧	IP RATING IP40

FEATURES

👁	VIEWING DISTANCE 34 METRES
💧	IP RATING IP40

FINISHES

MATERIAL	FINISH
STAINLESS STEEL	BRUSHED
STAINLESS STEEL	WHITE RAL 9016
STAINLESS STEEL	BLACK RAL 9017

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED	INCLUDED
CEILING MOUNTING BRACKET	* VT/BCK
SIDE WALL MOUNTING BRACKET	*VT/BWK

PRODUCT CODE: VTM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	NA	8	6 YRS
SELF TEST	/AT	M	NA	8	3 YRS
DALI	/DALI	M	NA	8	3 YRS
NETCOM 5	/N5	M	NA	8	6 YRS
CENTRAL BATTERY	/CBS	M	NA	8	3 YRS

PRODUCT CODE: VTM3/LED/2

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	NA	8	6 YRS
SELF TEST	/AT	M	NA	8	3 YRS
DALI	/DALI	M	NA	8	3 YRS
NETCOM 5	/N5	M	NA	8	6 YRS
CENTRAL BATTERY	/CBS	M	NA	8	3 YRS

MOUNTING OPTIONS

POSITION	CODE
CEILING MOUNTING BRACKET	* VT/BCK
SIDE WALL MOUNTING BRACKET	*VT/BWK

58 METRE VIEWING DISTANCE EXIT SIGN

EXLUX

EXLUX PLUS
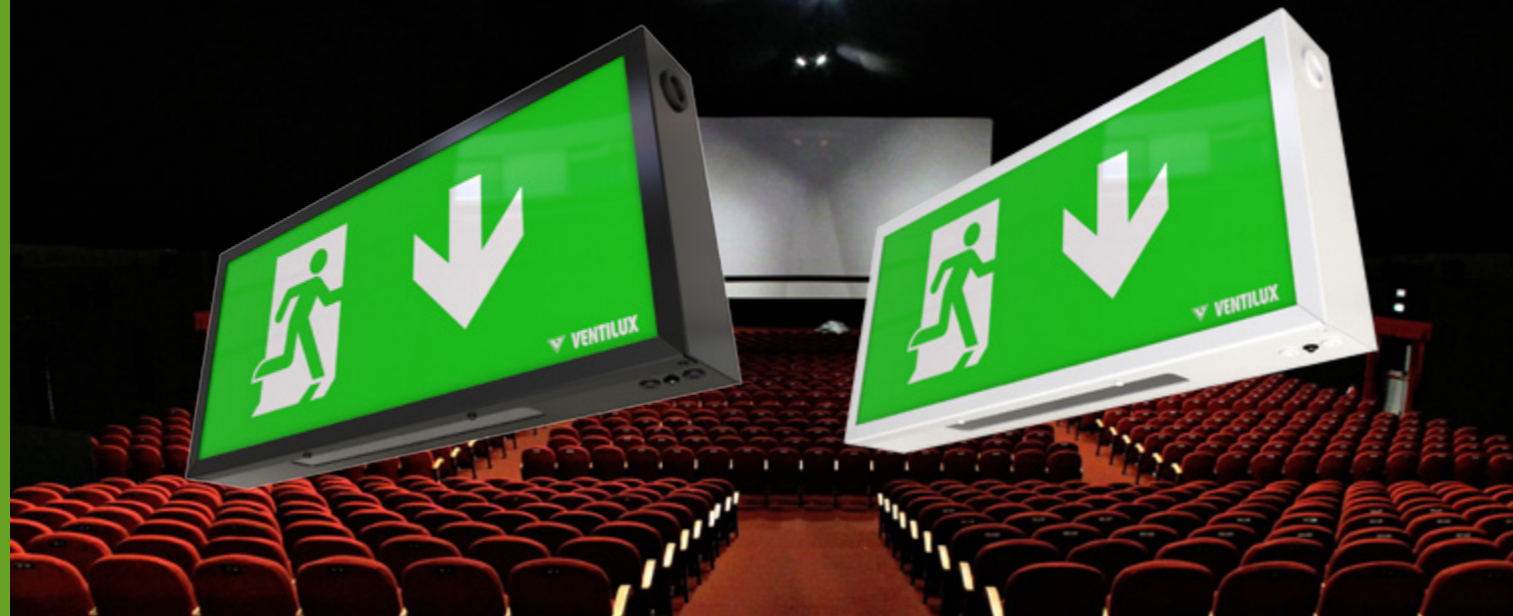
OVERVIEW

The EXLUX LED EXIT sign luminaire is a cost effective, versatile and unobtrusive directional sign product. Designed to satisfy statutory requirements for Exit Signs using panels selected from the comprehensive range of types available, which will correctly indicate the direction of the escape route. The housing provides down light through a carefully designed panel in the lower surface of the luminaire to assist in the illumination of the emergency escape route.

SPECIFICATION

• Competitively priced, LED EXIT sign.
• Easy to install and maintain.
• Available in self-contained versions.
• Available in Double sided versions - contact Ventilux for order codes.
• Integrated down-lighter.
• Supplied with LED lamp.

FINISHES

MATERIAL	FINISH
PAINTED SHEET STEEL	WHITE RAL 9016
PAINTED SHEET STEEL	BLACK RAL 9017
PAINTED SHEET STEEL	CHROME RAL 9006
PAINTED SHEET STEEL	BRASS RAL 1036

FEATURES

|	
👁	VIEWING DISTANCE 36 METRES
💧	IP RATING IP40

OVERVIEW

The EXLUX PLUS Sign Luminaire is a versatile, unobtrusive solution to applications requiring a larger than normal viewing distance. With a 58 meter viewing distance this larger than normal EXIT sign has numerous applications for indoor a installation in a range of commercial and industrial locations.

The EXLUX PLUS Sign Luminaire offers a high level of specification, ease of installation and excellent value for money. Available to meet a range of emergency luminaire requirements, as a mains unit or as emergency signage.

SPECIFICATION

• Competitively priced, LED EXIT sign.
• Easy to install and maintain.
• Available in self-contained versions.
• Available in Double sided versions - contact Ventilux for order codes.
• Integrated down-lighter.
• Supplied with LED lamp.
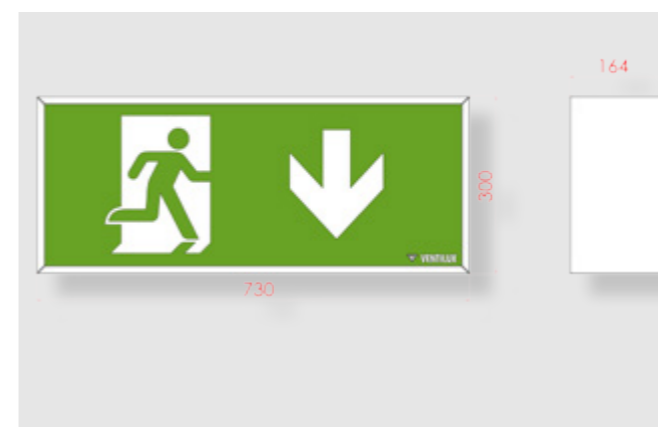
FEATURES

👁	VIEWING DISTANCE 58 METRES
💧	IP RATING IP40

FINISHES

MATERIAL	FINISH
PAINTED SHEET STEEL	WHITE RAL 9016
PAINTED SHEET STEEL	BLACK RAL 9017

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED	INCLUDED
CEILING MOUNTED	INCLUDED
DOUBLE SIDED	ADD CODE* /DS

PRODUCT CODE: EXM3/LED

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	20	6 YRS
SELF TEST	/AT	M	1W	20	3 YRS
DALI	/DALI	M	1W	20	3 YRS
NETCOM 5	/N5XP	M	1W	20	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	20	3 YRS

PRODUCT CODE: EX+M3/LED (EXLUX PLUS)

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	8W	32	6 YRS
SELF TEST	/AT	M	8W	32	3 YRS
DALI	/DALI	M	8W	32	3 YRS
NETCOM 5	/N5XP	M	8W	32	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	-	32	3 YRS

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED	INCLUDED

EXLUX IP67

VISOR 120 DOUBLE SIDED IP65

### OVERVIEW

The EXLUX LED IP67 EXIT sign luminaire is a robust and durable exterior directional sign product. Designed to satisfy statutory requirements for Exit Signs using panels selected from the comprehensive range of types available, which will correctly indicate the direction of the escape route. Operators of leisure centres, car parks, sport facilities, factories, and underground walkways will benefit from its tough, vandal resistant construction and ease of installation.

SPECIFICATION

- Competitively priced, IP67 LED EXIT sign.
- Easy to install and maintain.
- Removable internal gear tray.
- IP67 as standard.
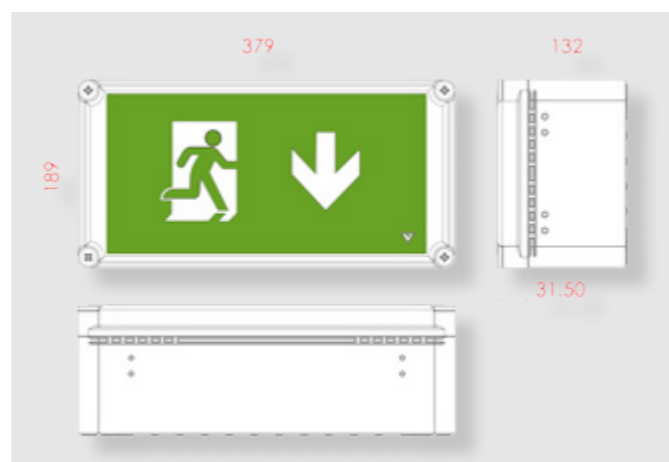
FINISHES

MATERIAL	FINISH
ABS PLASTIC	GREY RAL 7044
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

FEATURES

👁	VIEWING DISTANCE 30 METRES
💧	IP RATING IP67

### OVERVIEW

Designed for indoor and outdoor installations in a range of commercial and industrial locations, the compact VISOR LED DOUBLE SIDED luminaire offers a high level of specification, ease of installation and excellent value for money. Ease of installation, provided by a hinged mounted gear tray and a choice of cable entries, are key factors which make the VISOR LED DOUBLE SIDED one of the most exciting and popular luminaires available from Ventilux.

SPECIFICATION

- LED double sided EXIT luminaire.
- Easy to install and maintain.
- Hinged gear tray.
- IP65 as standard.
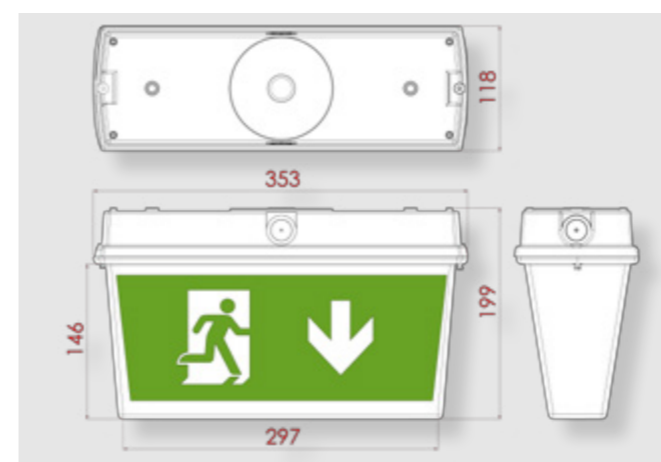
FEATURES

👁	VIEWING DISTANCE 22 METRES
💧	IP RATING IP65

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016
ABS PLASTIC	BLACK RAL 9017

MOUNTING OPTIONS

POSITION	CODE
WALL MOUNTED	INCLUDED
CEILING MOUNTED	INCLUDED

PRODUCT CODE: EXM3/LED/IP67

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	1W	20	6 YRS
SELF TEST	/AT	M	1W	20	3 YRS
DALI	/DALI	M	1W	20	3 YRS
NETCOM 5	/N5XP	M	1W	20	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	–	20	3 YRS

PRODUCT CODE: VIM3120/LED/DS

SYSTEM		OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	...	M	0.6	70	6 YRS
SELF TEST	/AT	M	0.6	70	3 YRS
DALI	/DALI	M	0.6	70	3 YRS
NETCOM 5	/N5XP	M	0.6	70	6 YRS
CENTRAL BATTERY	/CBS	230V SLAVE	0.6	70	3 YRS

MOUNTING OPTIONS

POSITION	CODE
CEILING MOUNTED	INCLUDED
RECESSED	ADD CODE * ZVISRK

The FUSION LED is an easy to install, unobtrusive and economical panel edge lit EXIT sign product fitted with a LED lamp source. Constructed from an extruded aluminium body, 850C glow wire approved plastic and provided with a full 3 year warranty, the FUSION LED is the immediate choice for the discerning client. The luminaire comes with multiple mounting options.

SPECIFICATION

* Supplied with universal legend kit for flexibility on site.
* Multiple mounting options – hanging blade (Ceiling bracket), recessed, side wall bracket and wall mounted bracket.

PRODUCT CODE: FSM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	M	0.4	NA	3 YRS

FINISHES

MATERIAL	FINISH
ALUMINIUM	WHITE
ALUMINIUM	BLACK
ALUMINIUM	CHROME
ALUMINIUM	BRASS

FEATURES

👁	VIEWING DISTANCE 25 METRES
💧	IP RATING IP20

The EB LED EXIT sign luminaire is a cost effective, versatile and unobtrusive directional sign product. Designed to satisfy statutory requirements for Exit Signs using panels selected from the comprehensive range of types available, which will correctly indicate the direction of the escape route. The housing provides down light through a carefully designed panel in the lower surface of the luminaire to assist in the illumination of the emergency escape route.
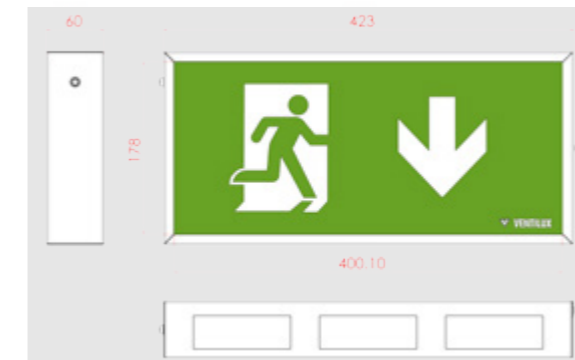
SPECIFICATION

* Competitively priced, LED EXIT sign
* Easy to install and maintain
* Integrated down-lighter

PRODUCT CODE: EBM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	M	0.4	NA	3 YRS

FINISHES

MATERIAL	FINISH
SHEET STEEL	WHITE RAL 9016

FEATURES

👁	VIEWING DISTANCE 36 METRES
💧	IP RATING IP20

The VELA LED EXIT sign luminaire is a cost effective, versatile and unobtrusive directional sign product. Designed to satisfy statutory requirements for Exit Signs using panels selected from the comprehensive range of types available, which will correctly indicate the direction of the escape route. The housing provides a down light through a carefully designed LED lens in the lower surface of the luminaire to assist in the illumination of the emergency escape route.

SPECIFICATION

* Integrated LED down-lighter.
* Supplied with ISO 01, 02, 03 and 04 decals as standard.
* Wall mounted.

PRODUCT CODE: VLM3/LED

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	M	0.6	70	3 YRS

FINISHES

MATERIAL	FINISH
ABS PLASTIC	WHITE RAL 9016

FEATURES

👁	VIEWING DISTANCE 30 METRES
💧	IP RATING IP20

Designed for indoor and outdoor installations in a range of commercial and industrial locations, the compact VISOR LED EXIT luminaire offers a high level of specification, ease of installation and excellent value for money. Ease of installation, provided by a hinged mounted gear tray and a choice of cable entries, as well as a lens design which maximises light distribution, are key factors which make the VISOR LED one of the most exciting and popular luminaires available from Ventilux.

SPECIFICATION

* Competitively priced, LED bulkhead.
* Wall mounted.
* Available in double sided version add /DS

PRODUCT CODE: VIM3/LED/EXIT

SYSTEM	OPERATION	WATTAGE	LUMENS	WARRANTY
SELF CONTAINED	M	0.6	70	3 YRS

FINISHES

MATERIAL	FINISH
POLYCARBONATE	WHITE RAL 9016
POLYCARBONATE	BLACK RAL 9017

FEATURES

👁	VIEWING DISTANCE 22 METRES
💧	IP RATING IP65
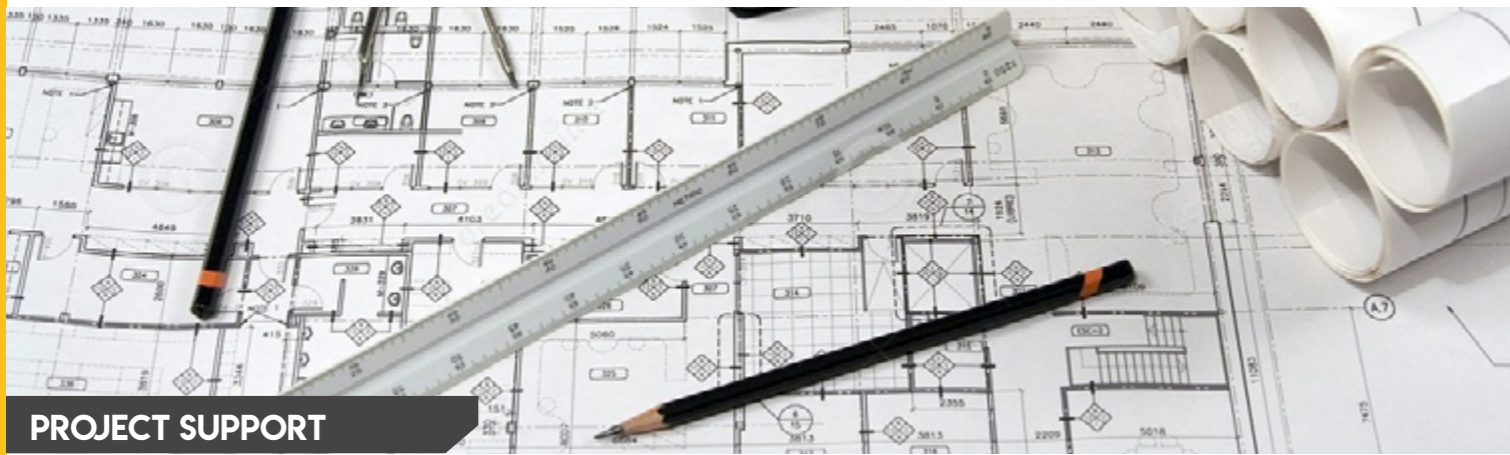
PROJECT SUPPORT

VENTILUX are able to support you and your project from concept right through to installation. We have experience working with some of the largest contractors worldwide, and the level of support can be tailored to suit your own project requirements.

Ventilux's ethos is one of technical excellence, and as such, all design installation and maintenance engineers are trained to the highest standards, and are able to assist in the design process and offer bespoke solutions which ensure compliance to standards, energy efficiency and economic viability. Working with Ventilux will ensure you receive a solution which truly matches your needs, and satisfies both the construction and life cycle costs of the built environment at point of design.

MAINTENANCE

Once you have decided to specify a Ventilux product, we want to make sure that it gives you trouble free operation. We would be delighted to advise you on the project design, and are available to answer any questions throughout the commissioning period. Once installed, please contact us to discuss a programme of routine maintenance. The information below sets out procedures and responsibilities. Please call our technical helpline if you require clarification or more details. Ventilux Preventive Maintenance Plans offer inspection of your equipment to identify and correct potential problems before a crisis occurs. Government requirements place obligations on building occupiers/end-user to conduct regular and routine tests and inspections of emergency lighting systems. Ventilux ensure your system is in full working order and also in compliance with regional and national standards

COMMISSIONING

Ventilux offers the most comprehensive commissioning service within the industry. Ventilux ensure the system is in full working order and also in compliance with the appropriate regional or national standards. In addition to all this we demonstrate to the end user all the functions of the system. Ventilux have an experienced and knowledgeable team of engineers who are audited by government bodies who commission all the products and systems.

BESPOKE PRODUCTS

VENTILUX have more than 30 years experience tailoring our products to the needs of our customers. From design tweaks and logo additions, to the ground-up construction of a new product to meet a niche need, we can provide lighting solutions that suit your requirements perfectly.

We can modify our extensive range of existing products to better suit your needs, or work with you to custom-make lights to meet your requirements. We've manufactured lights from standard finishes like brass and chrome to blue, green, red and even pink! for customers who require that personalised touch. Ventilux also offer a vast range of voltages for varying countries throughout the world.

Ventilux bespoke product design offers the following...

- Unique RAL colours.
- Special exit sign legend panel designs.
- Custom sized wire guards for luminaires.
- Product range design specification modifications.

! SO IF YOU HAVE A PROJECT THAT REQUIRES A UNIQUE PRODUCT OR A CERTAIN COLOUR TALK TO US!

VENTILUX IRELAND

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