

Emergency
Module
&
Emergency
Luminaire

2026.3



CYANTRONIC



Cyantronic founded in 2011. We have focused our business in the field of LED emergency lighting for 15 years.

We have extensive industry knowledge and has gradually become a leading supplier in the field of LED exit signs and LED emergency modules.

We are engaged in the design, manufacture and sales of emergency exit lighting, professional LED emergency module.

We offers a diverse range of complete emergency lighting solutions for separate battery-supplied emergency lighting installations for different requirements and LED modules.

It is perfectly match the requirements of the various country-specific standards.

We provide 5 years warranty for our products and passed CE, CB, RCM, ENEC etc.

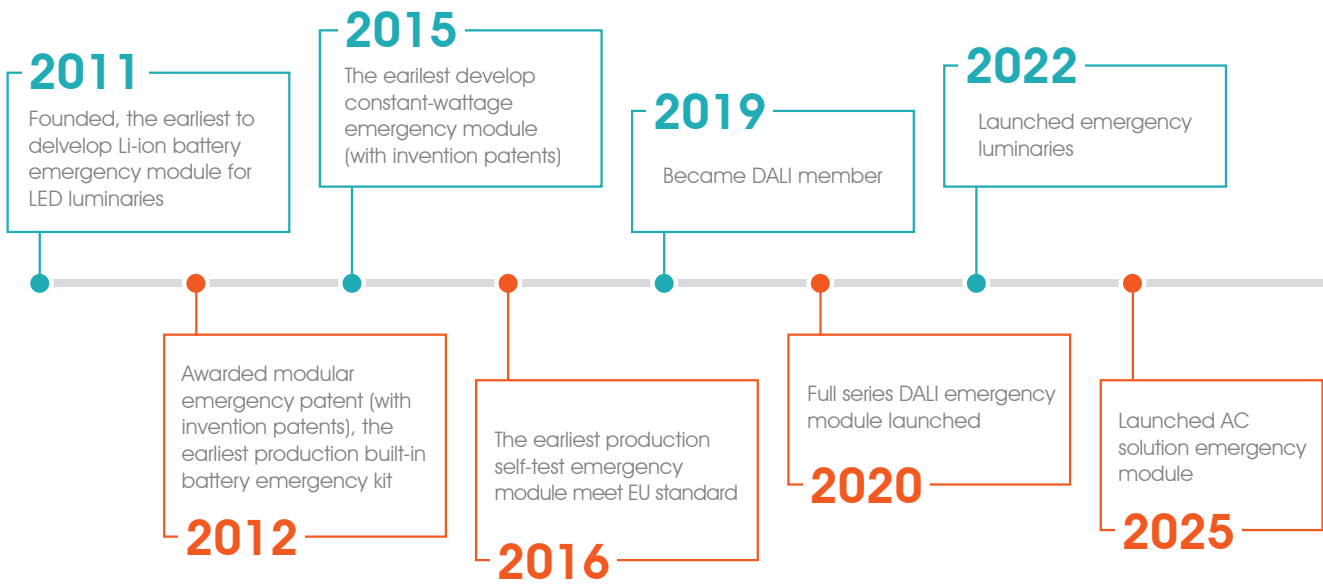


Our products cover a variety of emergency modules, emergency luminaires, widely applicable to meet lighting needs in various situations.



Our quality management system has been certified to ISO9001, and we have introduced fully automated intelligent testing equipment, further improving detection efficiency.

MILESTONES



Modular emergency invention patent

Constant-wattage emergency invention patent

Patent quantity **80+**

Invention patent **25**



We have significantly improved production efficiency by optimizing processes and using intelligent equipment, ensuring faster delivery to customers at lower prices.

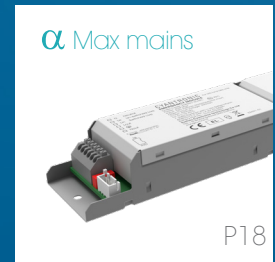
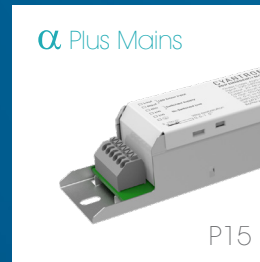
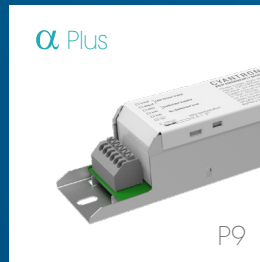


We have obtained more than 20 patents, and our unique technological advantages ensure that we consistently maintain a leading position and drive industry development.

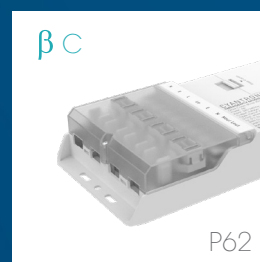
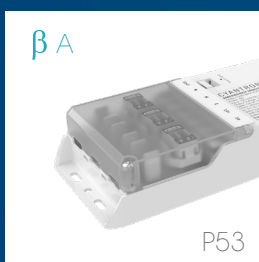


Emergency Module

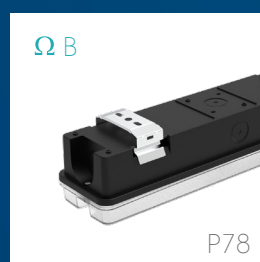
α Internal Emergency Module for LED Luminaires



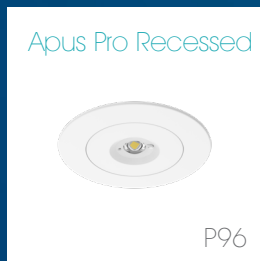
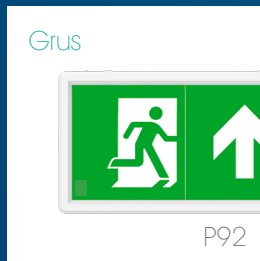
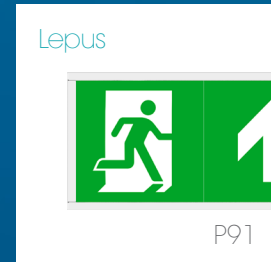
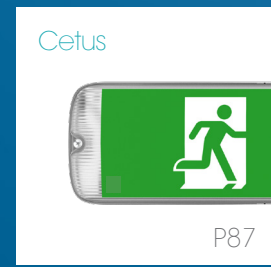
β External Emergency Module for LED Luminaires



Ω External Plug-in Emergency Module for LED Highbay



Emergency Luminaire



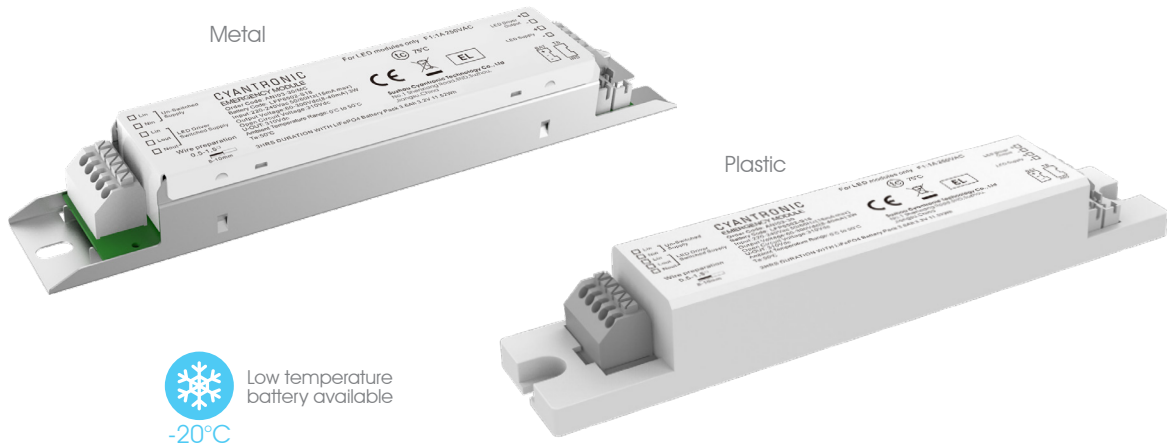


α

for LED Linear Luminaires



Manual/Self-test Internal Emergency Module for LED Luminaires



Product Information

This emergency module is used inside LED luminaires with integrated LEDs and separate isolated / non-isolated LED driver. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

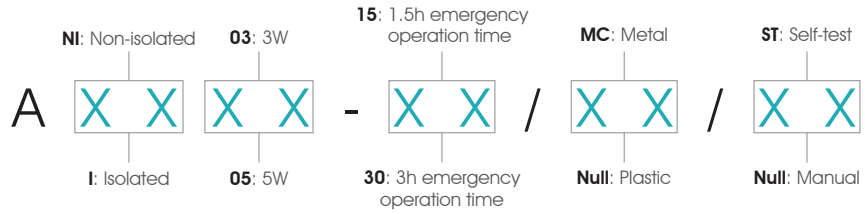
Features

- For LED modules with a forward voltage of 20-55Vdc (isolated) / 30-300Vdc (non-isolated)
- For maintained or non-maintained emergency lighting systems
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via internal terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Triple-press test button to change test mode (self-test version)
- Double-press test button to change duration test interval (26 weeks/52 weeks) (self-test version)
- Bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- Constant power output
- For built-in
- Battery charging temperature control

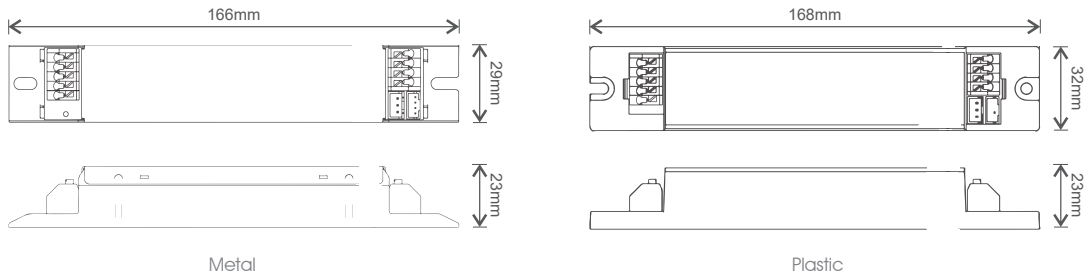
Specifications

Order Code	AXXXX-XX/XX/XX		
Output Wattage	3W / 5W		
Input Voltage	220-240Vac 50/60Hz		
Input Current (max)	19mA / 21mA		
Output Voltage	20-55Vdc (isolated) 30-300Vdc (non-isolated)		
Output Current	45-125mA (3W) 7-75mA (3W)		73-200mA (5W) 13-125mA (5W)
Open Circuit Voltage	60Vdc (isolated) 310Vdc (non-isolated)		
Working Voltage (max)	60Vdc (isolated) 310Vdc (non-isolated)		
Protection	IP20, For built-in installation		
Input to Output Protection	Double Insulation		
Emergency Operation Time	> 1.5h / > 3h		
Emergency Conversion Time	< 1s		
Test Function	Self-tset / Manual		
Input Connection	Push-fit terminals 0.5-1.5mm ²		
Output Connection	Push-fit terminals 0.5-1.5mm ²		
Maximum Case Temp.	75°C		
Ambient Temp. Range	0 to 50°C		
Battery Model	1IFpR19/66 1.8Ah 3.2V (3W, 1.5h)	2IFpR19/66 2.0Ah 6.4V (3W, 3h / 5W, 1.5h)	2IFpR19/66-2 4.0Ah 6.4V (5W, 3h)
Battery Type	LiFePO4 18650	LiFePO4 18650	LiFePO4 18650
Battery Capacity	1800mAh	2000mAh	4000mAh
Battery Voltage	3.2V	6.4V	6.4V
Battery Charge Voltage	3.65V	7.3V	7.3V
Battery Charge Current	Max.250mA	Max.250mA	Max.280mA
Battery Discharge Voltage	2.5-3.6V	5.0-7.2V	5.0-7.2V
Battery Discharge Current	900-960mA	450-480mA / 750-870mA	750-870mA
Charging Time	24h		
Charge Temperature Range Tcmin-Tcmax	0 to 65°C		

Order Code



Dimension

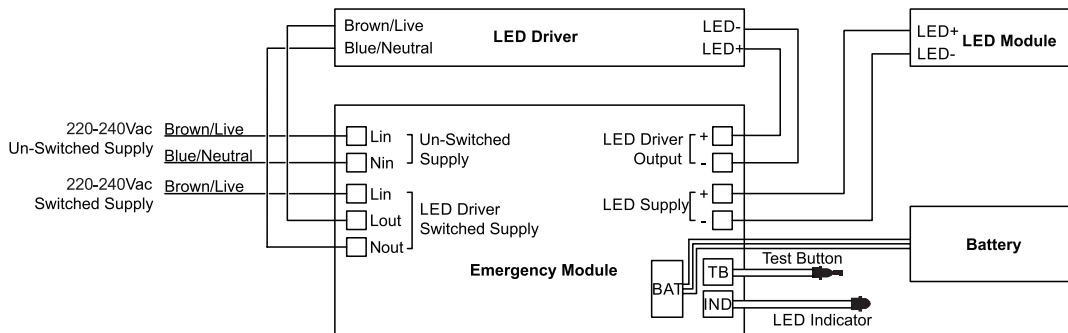


Customizable Accessories

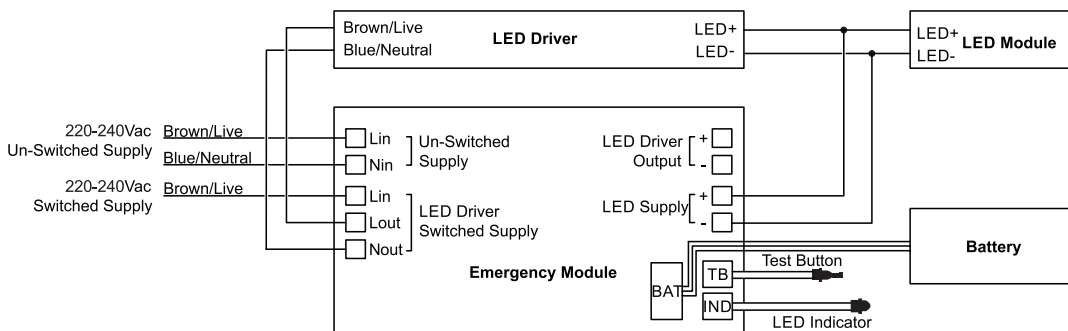
Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug
Extension cable for battery	Extension cable for battery with 3-pole plug, available in 75mm or 130mm

Wiring Diagram

Isolated, Driver output current $\leq 2A$; Non-isolated, Driver output current $\leq 0.8A$

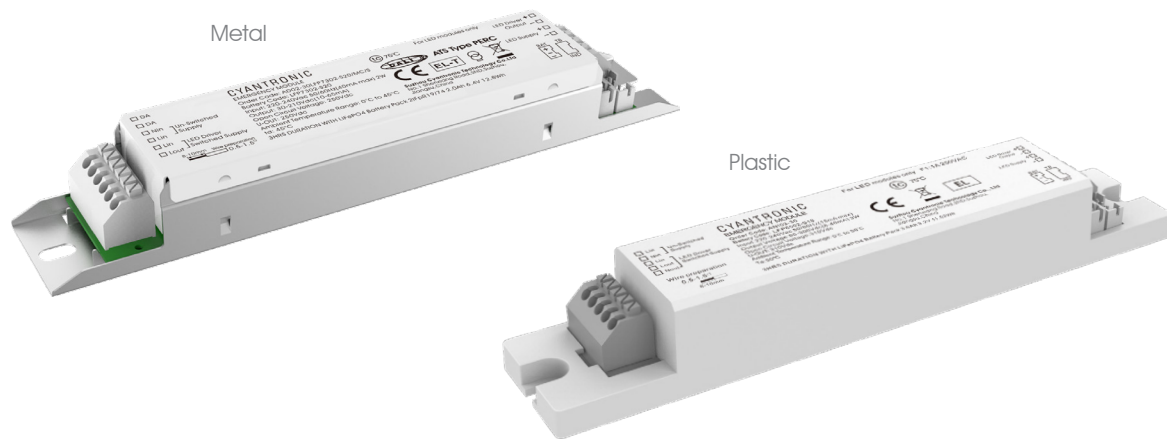


Isolated, Driver output current $> 2A$; Non-isolated, Driver output current $> 0.8A$



α DALI

Self-Test Internal Emergency Module for LED Luminaires with DALI interface



Product Information

The Emergency Module with DALI interface and Automatic Self-Test Technology is suitable for the luminaires with integrated LEDs and separate LED drivers. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the luminaires at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

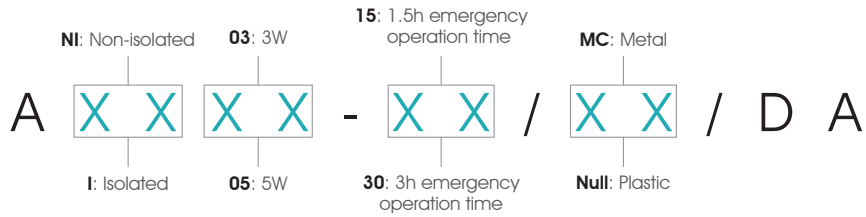
Features

- For LED modules with a forward voltage of 20-55Vdc (isolated) / 30-300Vdc (non-isolated)
- For maintained or non-maintained emergency lighting systems
- Automatic test function conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and luminaire via internal terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- Constant power output
- For built-in
- Battery charging temperature control

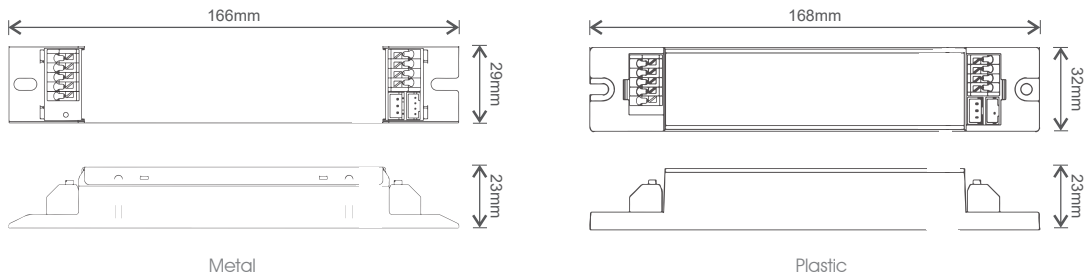
Specifications

Order Code	AXXXX-XX/XX/DA	
Output Wattage	3W / 5W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	19mA / 21mA	
Output Voltage	20-55Vdc (isolated) 30-300Vdc (non-isolated)	
Output Current	45-125mA (3W) 7-75mA (3W)	73-200mA (5W) 13-125mA (5W)
Open Circuit Voltage	60Vdc (isolated) 310Vdc (non-isolated)	
Working Voltage (max)	60Vdc (isolated) 310Vdc (non-isolated)	
Protection	IP20, For built-in installation	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Push-fit terminals 0.5-1.5mm ²	
Output Connection	Push-fit terminals 0.5-1.5mm ²	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	2IFpR19/66 2.0Ah 6.4V (3W, 3h / 5W, 1.5h)	2IFpR19/66-2 4.0Ah 6.4V (5W, 3h)
Battery Type	LiFePO4 18650	LiFePO4 18650
Battery Capacity	2000mAh	4000mAh
Battery Voltage	6.4V	6.4V
Battery Charge Voltage	7.3V	7.3V
Battery Charge Current	Max.250mA	Max.280mA
Battery Discharge Voltage	5.0-7.2V	5.0-7.2V
Battery Discharge Current	450-480mA / 750-870mA	750-870mA
Charging Time	24h	
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C	

Order Code



Dimension

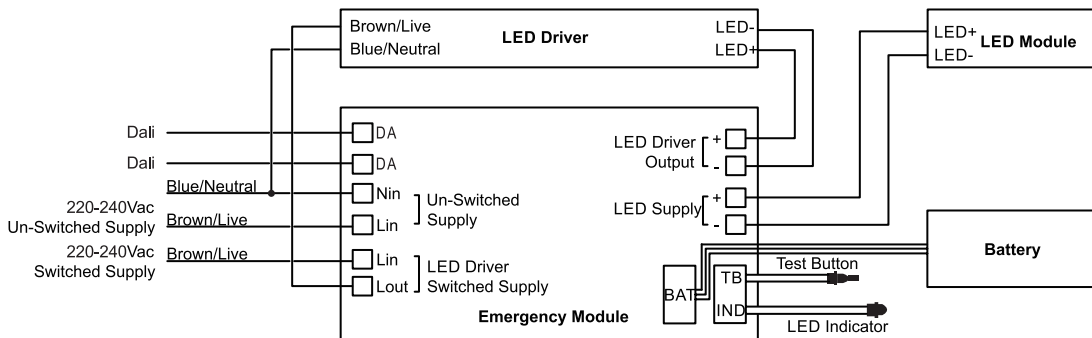


Customizable Accessories

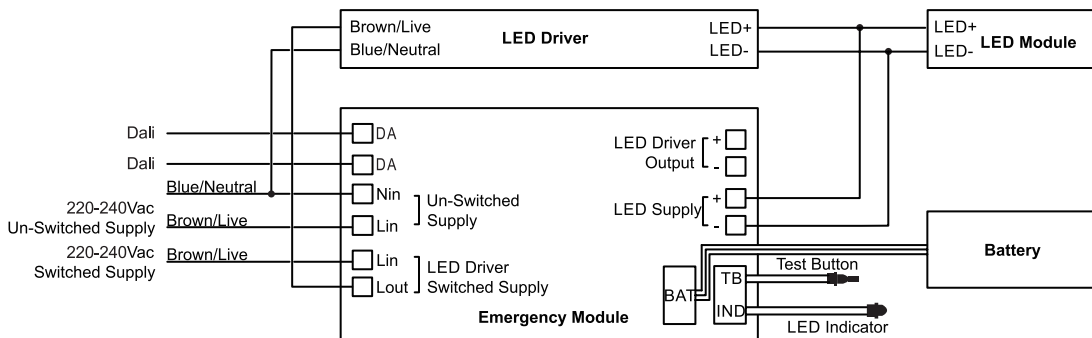
Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug
Extension cable for battery	Extension cable for battery with 3-pole plug, available in 75mm or 130mm

Wiring Diagram

Isolated, Driver output current $\leq 2A$; Non-isolated, Driver output current $\leq 0.8A$



Isolated, Driver output current $> 2A$; Non-isolated, Driver output current $> 0.8A$



α Plus

Manual/Self-test Internal Emergency Module for LED Luminaires



Product Information

This emergency module is used inside LED luminaires with integrated LEDs and separate isolated / non-isolated LED driver. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

Features

- For LED modules with a forward voltage of 20-55Vdc (isolated) / 30-300Vdc (non-isolated)
- For maintained or non-maintained emergency lighting systems
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via internal terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Triple-press test button to change test mode (self-test version)
- Double-press test button to change duration test interval (26 weeks/52 weeks) (self-test version)
- Bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- Constant power output
- For built-in
- Battery charging temperature control

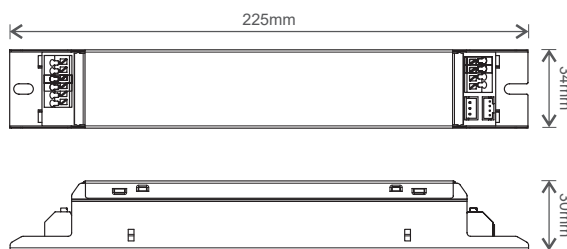
Specifications

Order Code	A XX P20-30/MC/ XX
Output Wattage	20W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	50mA
Output Voltage	20-55Vdc (isolated) 30-300Vdc (non-isolated)
Output Current	250-800mA (isolated) 53-530mA (non-isolated)
Open Circuit Voltage	60Vdc (isolated) 310Vdc (non-isolated)
Working Voltage (max)	60Vdc (isolated) 310Vdc (non-isolated)
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	>3h
Emergency Conversion Time	<1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	3IFpR27/72-2 8.0Ah 9.6V
Battery Type	LiFePO4 26700
Battery Capacity	8000mAh
Battery Voltage	9.6V
Battery Charge Voltage	10.8V
Battery Charge Current	Max.650mA
Battery Discharge Voltage	7.5-10.8V
Battery Discharge Current	1700-2300mA
Charging Time	24h
Charge Temperature Range Tcmin-Tcmax	0 to 65°C

Order Code



Dimension

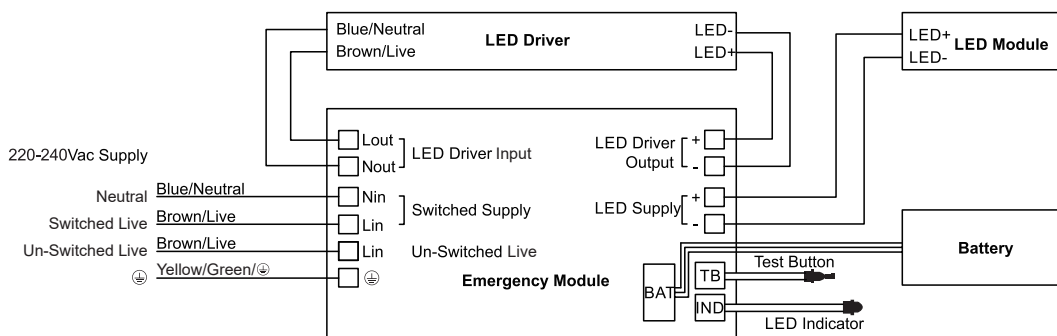


Customizable Accessories

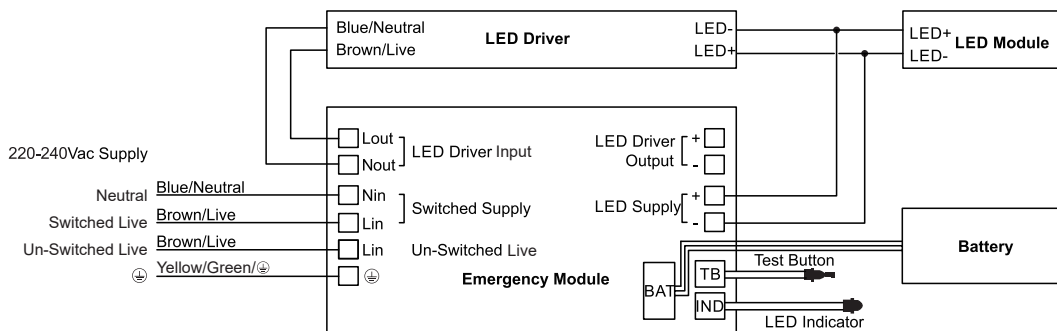
Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug
Extension cable for battery	Extension cable for battery with 3-pole plug, available in 75mm or 130mm

Wiring Diagram

Isolated, Driver output current $\leq 2A$; Non-isolated, Driver output current $\leq 0.8A$



Isolated, Driver output current $> 2A$; Non-isolated, Driver output current $> 0.8A$



α Plus DALI

Self-Test Internal Emergency Module for LED Luminaires with DALI interface



Product Information

The Emergency Module with DALI interface and Automatic Self-Test Technology is suitable for the luminaires with integrated LEDs and separate LED drivers. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the luminaires at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

Features

- For LED modules with a forward voltage of 20-55Vdc (isolated) / 30-300Vdc (non-isolated)
- For maintained or non-maintained emergency lighting systems
- Automatic test function conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and luminaire via internal terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- Constant power output
- For built-in
- Battery charging temperature control

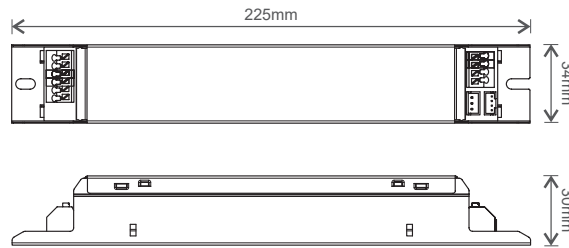
Specifications

Order Code	A X X P P20-30/MC/DA
Output Wattage	20W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	50mA
Output Voltage	20-55Vdc (isolated) 30-300Vdc (non-isolated)
Output Current	250-800mA (isolated) 53-530mA (non-isolated)
Open Circuit Voltage	60Vdc (isolated) 310Vdc (non-isolated)
Working Voltage (max)	60Vdc (isolated) 310Vdc (non-isolated)
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	3IFpR27/72-2 8.0Ah 9.6V
Battery Type	LiFePO4 26700
Battery Capacity	8000mAh
Battery Voltage	9.6V
Battery Charge Voltage	10.8V
Battery Charge Current	Max.650mA
Battery Discharge Voltage	7.5-10.8V
Battery Discharge Current	1700-2300mA
Charging Time	24h
Charge Temperature Range Tcmin-Tcmax	0 to 65°C

Order Code

NI: Non-isolated
 A **X X** P 2 0 - 3 0 / M C / D A
 I: Isolated

Dimension

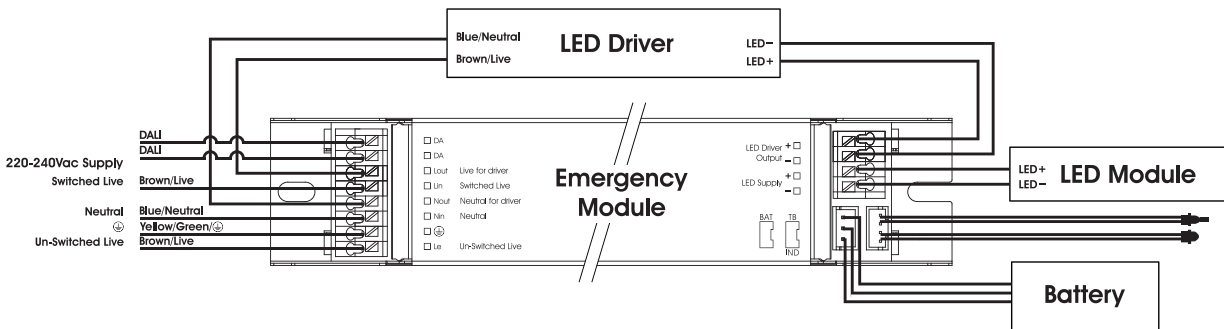


Customizable Accessories

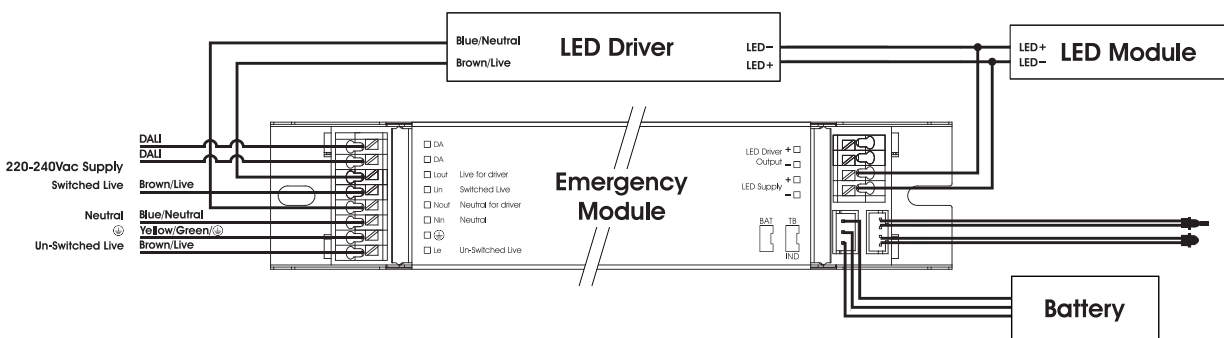
Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug
Extension cable for battery	Extension cable for battery with 3-pole plug, available in 75mm or 130mm

Wiring Diagram

Isolated, Driver output current $\leq 2A$; Non-isolated, Driver output current $\leq 0.8A$



Isolated, Driver output current $> 2A$; Non-isolated, Driver output current $> 0.8A$



α Plus Mains

Internal Emergency Module for LED Luminaires



Product Information

The Emergency Module is suitable LED luminaires which can operate normally with a mains DC input. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the luminaires at a reduced output.

Features

- A mains DC voltage output 30-300Vdc
- For maintained emergency lighting systems
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between luminaire driver via terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Green status LED indicator
- Constant power output
- For built-in
- Battery charging temperature control

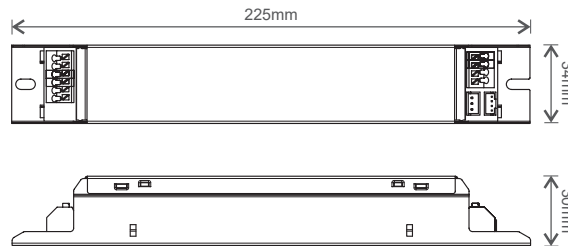
Specifications

Order Code	APMXX-30/MC	
Output Wattage	3W / 5W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	21mA	
Output Voltage	30-300Vdc	
Output Current	7-75mA / 13-125mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP20, For built-in installation	
Input to Output Protection	Double Insulation	
Emergency Operation Time	>3h	
Emergency Conversion Time	<1s	
Test Function	Manual	
Input Connection	Push-fit terminals 0.5-1.5mm ²	
Output Connection	Push-fit terminals 0.5-1.5mm ²	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	2IFpR19/66 2.0Ah 6.4V (3W)	2IFpR19/66-2 4.0Ah 6.4V (5W)
Battery Type	LiFePO4 18650	LiFePO4 18650
Battery Capacity	2000mAh	4000mAh
Battery Voltage	6.4V	6.4V
Battery Charge Voltage	7.3V	7.3V
Battery Charge Current	Max.250mA	Max.250mA
Battery Discharge Voltage	5.0-7.2V	5.0-7.2V
Battery Discharge Current	450-480mA	750-870mA
Charging Time	24h	
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C	

Order Code

03: 3W
05: 5W
A P M X X - 3 0 / M C

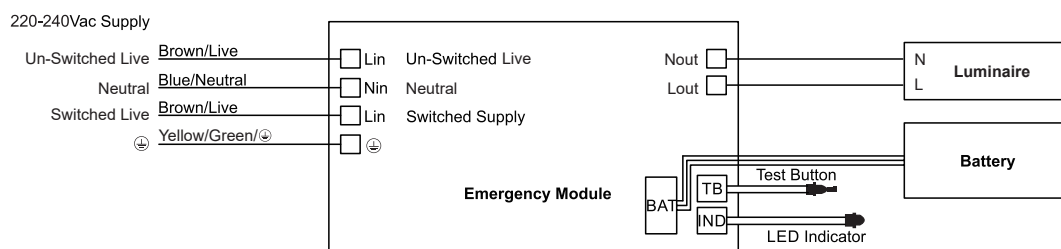
Dimension



Customizable Accessories

Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug
Extension cable for battery	Extension cable for battery with 3-pole plug, available in 75mm or 130mm

Wiring Diagram



α Max mains

Manual Internal Emergency Module for LED Luminaires



5 Years
Warranty



Product Information

The emergency module is suitable for LED luminaires which can operate normally with a mains DC input. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the LED luminaires at a full output.

Features

- A mains DC voltage output 220Vdc
- For maintained emergency lighting systems
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between luminaire driver via terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Green status LED indicator
- Constant power output
- For built-in Battery charging temperature control

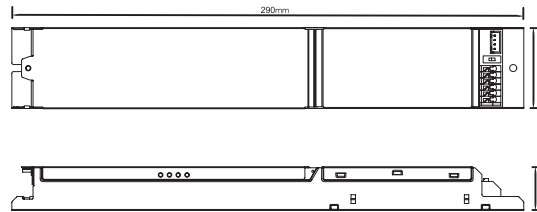
Specifications

Order Code	AMMXX-30/MC	
Output Wattage	30W/60W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	40mA/60mA	
Output Voltage	220Vdc	
Output Current	Adjust according to the connected luminaire	
Open Circuit Voltage	400Vdc	
Working Voltage (max)	400Vdc	
Protection	IP20, For built-in installation	
Input to Output Protection	Double Insulation	
Emergency Operation Time	1-3h	
Emergency Conversion Time	< 1s	
Test Function	Manual test	
Input Connection	Push-fit terminals 0.5-1.5mm ²	
Output Connection	Push-fit terminals 0.5-1.5mm ²	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 45°C	
Battery Model	41NR19/66 3.2Ah 14.8V (30W)	41NR22/72 4.9Ah 14.4V (60W)
Battery Type	Li-ion 18650 3.7V 3200mAh	Li-ion 21700 3.6V 4900mAh
Battery Capacity	3200mAh	4900mAh
Battery Voltage	14.8V	14.4V
Battery Charge Voltage	16.8±0.1V	16.8±0.1V
Battery Charge Current	Max.350mA	Max.450mA
Battery Discharge Voltage	12.0-16.8V	12.0-16.8V
Battery Discharge Current	350-2000mA	2000-4000mA
Charging Time	24h	24h
Charge Temperature Range Tcmin-Tcmax	0 to 50°C	0 to 45°C

Order Code

60: 60W
 A M M X X - 3 0 / M C
 30: 30W

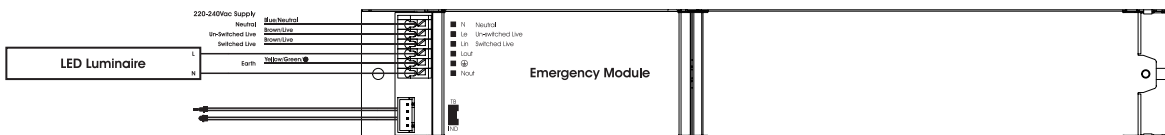
Dimension



Customizable Accessories

Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug

Wiring Diagram



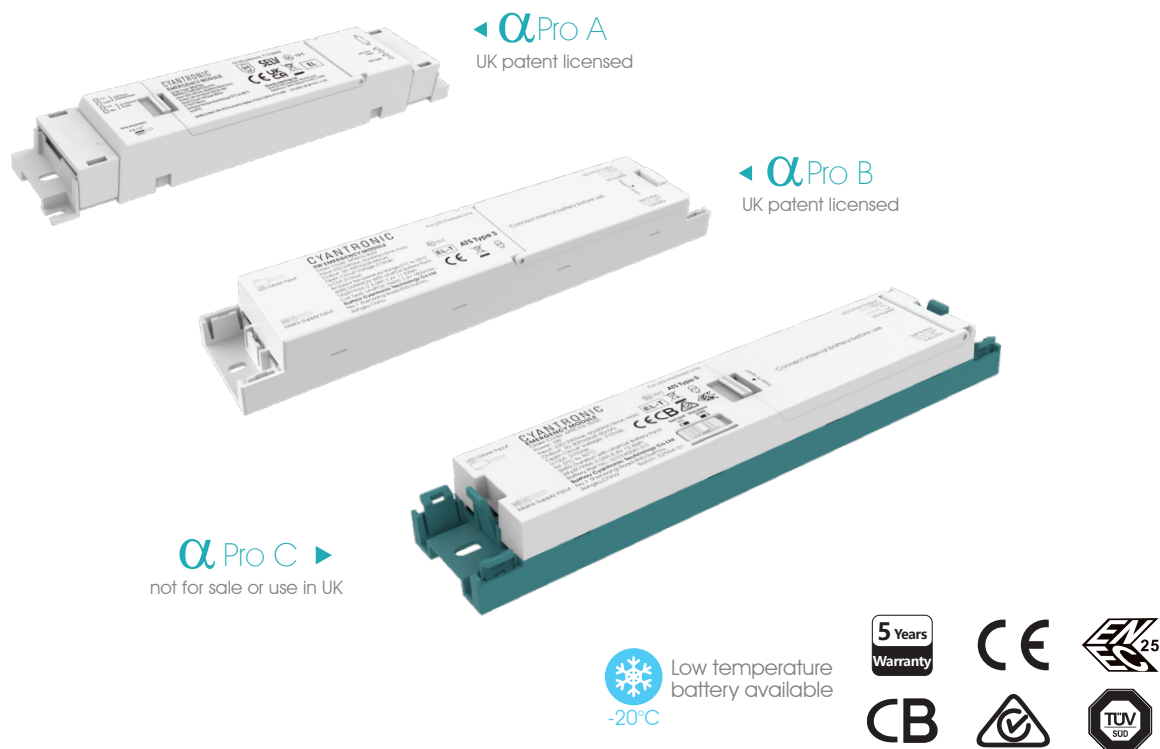


α Pro

for LED Linear Luminaires

α Pro

Manual / Self-test Internal Emergency Module for LED Luminaires



Product Information

This emergency module with Automatic Self-Test Technology can be used built-in for the LED luminaires with integrated LEDs. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

Features

- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch (self-test DIP switch version)
- Triple-press test button to change test mode (self-test test button version)
- Double-press test button to change duration test interval (26weeks/52weeks) (self-test version)
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test for self-test mode
- For built-in
- Battery charging temperature control

Specifications

Order Code	APRX03-30/XX
Output Wattage	3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	18mA
Output Voltage	30-300Vdc
Output Current	8-80mA
Open Circuit Voltage	310Vdc
Working Voltage (max)	310Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Wiring leads with connector
Output Connection	Wiring leads with connector
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	2IFpR19/66 2.0Ah 6.4V
Battery Type	LiFePO4 18650
Battery Capacity	2000mAh
Battery Voltage	6.4V
Battery Charge Voltage	7.3V
Battery Charge Current	Max. 180mA
Battery Discharge Voltage	5.0-7.2V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C

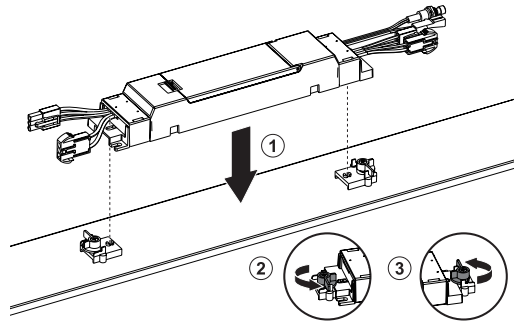
Order Code

A: α Pro A
 B: α Pro B
 C: α Pro C

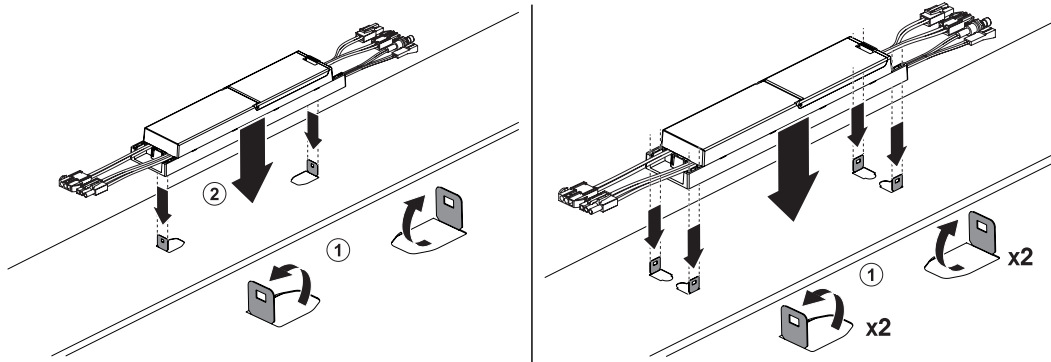
Null: Manual
 ST: Self-test
 SS: Manual & Self-test 2 in 1

A P R **X** 0 3 - 3 0 / **X X**

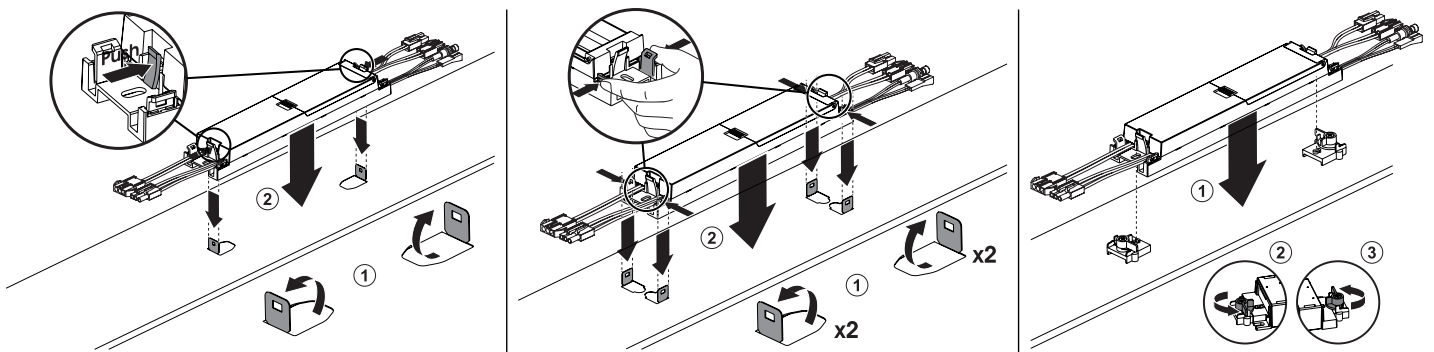
Installation



α Pro A

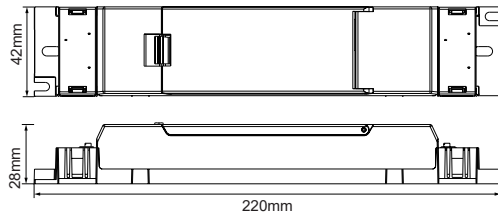


α Pro B

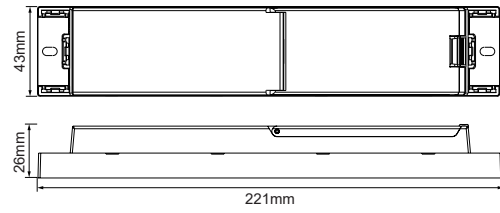


α Pro C

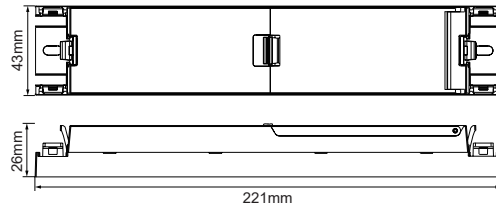
Dimension



α Pro A



α Pro B



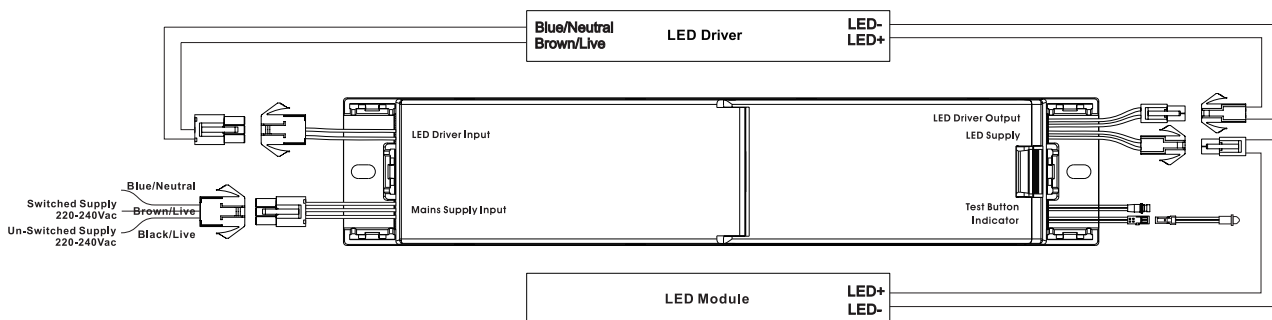
α Pro C

Customizable Accessories

Type	Description
LED indicator & Test button cable	4-pole wiring leads with bi-coloured status LED indicator and test button
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module
Output cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$

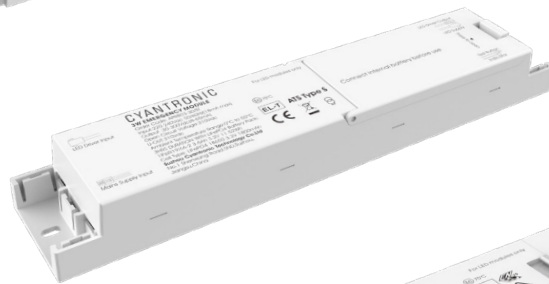


α Pro DALI

Self-test Internal Emergency Module for LED Luminaires with DALI interface



◀ α Pro A DALI
UK patent licensed



◀ α Pro B DALI
UK patent licensed



α Pro C DALI ▶
not for sale or use in UK



Product Information

This emergency module with DALI interface and automatic test function can be used built-in for the LED luminaires with integrated LEDs. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

Features

- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via internal terminals or wire leads
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- For built-in
- Battery charging temperature control

Specifications

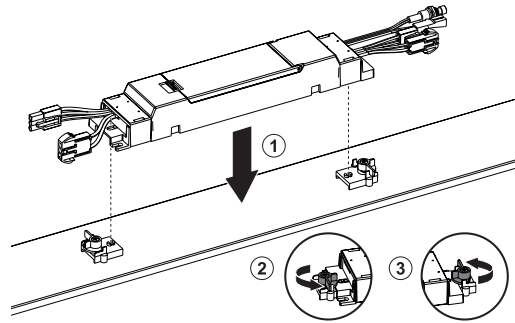
Order Code	APRX03-30/DA
Output Wattage	3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	18mA
Output Voltage	30-300Vdc
Output Current	8-80mA
Open Circuit Voltage	310Vdc
Working Voltage (max)	310Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Wiring leads with connector
Output Connection	Wiring leads with connector
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	2IFpR19/66 2.0Ah 6.4V
Battery Type	LiFePO4 18650
Battery Capacity	2000mAh
Battery Voltage	6.4V
Battery Charge Voltage	7.3V
Battery Charge Current	Max. 180mA
Battery Discharge Voltage	5.0-7.2V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range T _{min} -T _{max}	0 to 65°C

Order Code

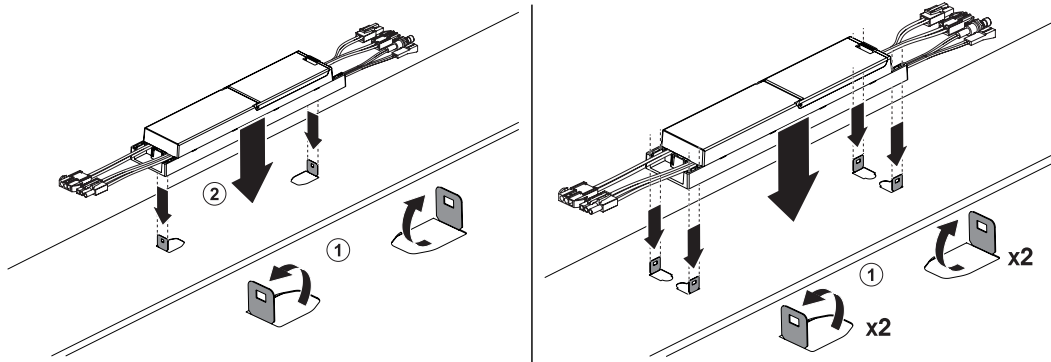
A: α Pro A
B: α Pro B
C: α Pro C

A P R **X** 0 3 - 3 0 / D A

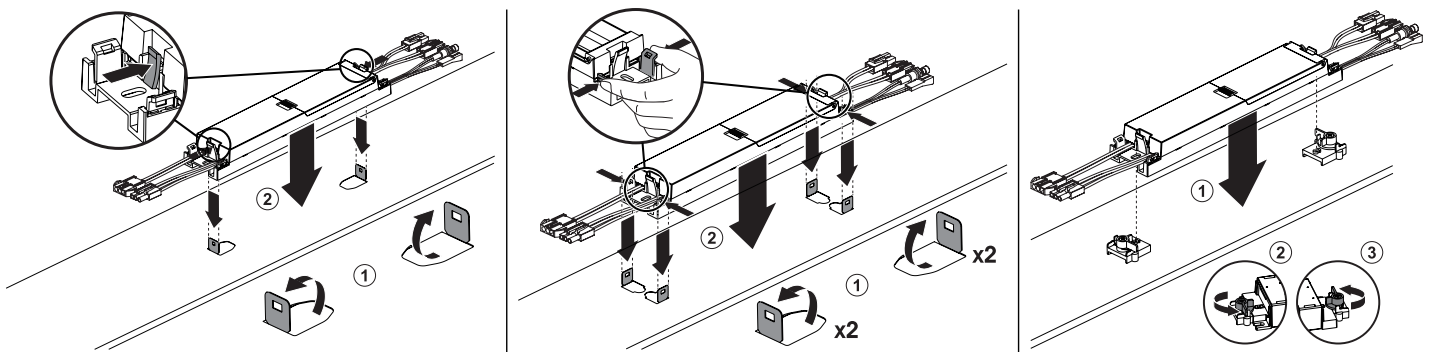
Installation



α Pro A DALI

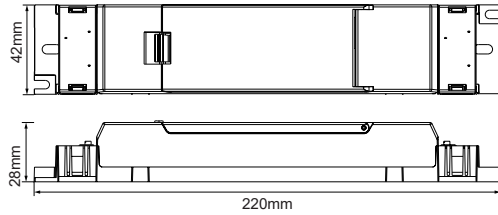


α Pro B DALI

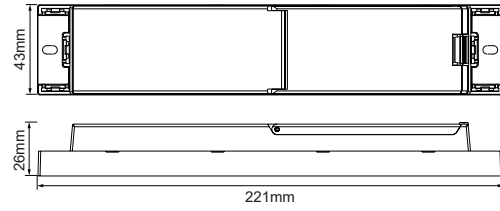


α Pro C DALI

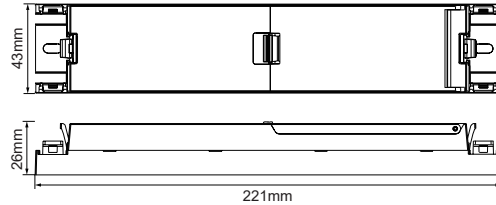
Dimension



α Pro A DALI



α Pro B DALI



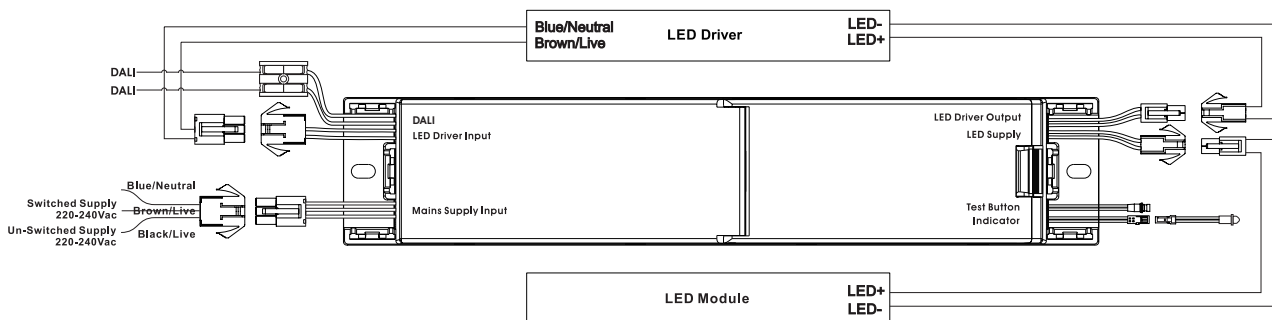
α Pro C DALI

Customizable Accessories

Type	Description
LED indicator & Test button cable	4-pole wiring leads with bi-coloured status LED indicator and test button
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
DALI cable	2-pole wiring leads with connector for connecting to DALI
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module
Output cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$



α Pro Mains

Manual / Self-test Internal Emergency Module for LED Luminaires



Product Information

This emergency module with Automatic Self-Test Technology can be used built-in for the LED luminaires with integrated LEDs. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

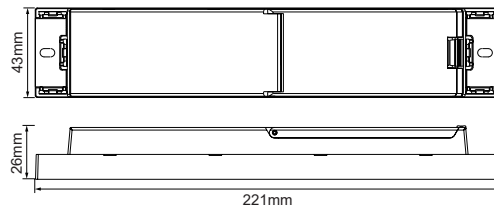
Features

- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch (self-test DIP switch version)
- Triple-press test button to change test mode (self-test test button version)
- Double-press test button to change duration test interval (26weeks/52weeks) (self-test version)
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test for self-test mode
- For built-in
- Battery charging temperature control
- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack

Specifications

Order Code	APRM03-30/SS
Output Wattage	3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	18mA
Output Voltage	30-300Vdc
Output Current	8-80mA
Open Circuit Voltage	310Vdc
Working Voltage (max)	310Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Wiring leads with connector
Output Connection	Wiring leads with connector
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	2IFpR19/66 2.0Ah 6.4V
Battery Type	LiFePO4 18650
Battery Capacity	2000mAh
Battery Voltage	6.4V
Battery Charge Voltage	7.3V
Battery Charge Current	Max. 150mA
Battery Discharge Voltage	5.0-7.2V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C

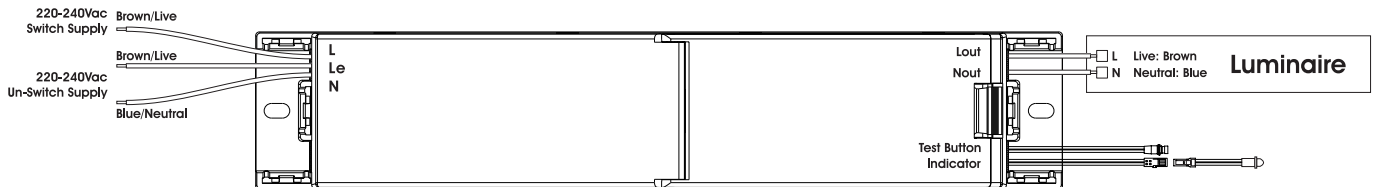
Dimension



Customizable Accessories

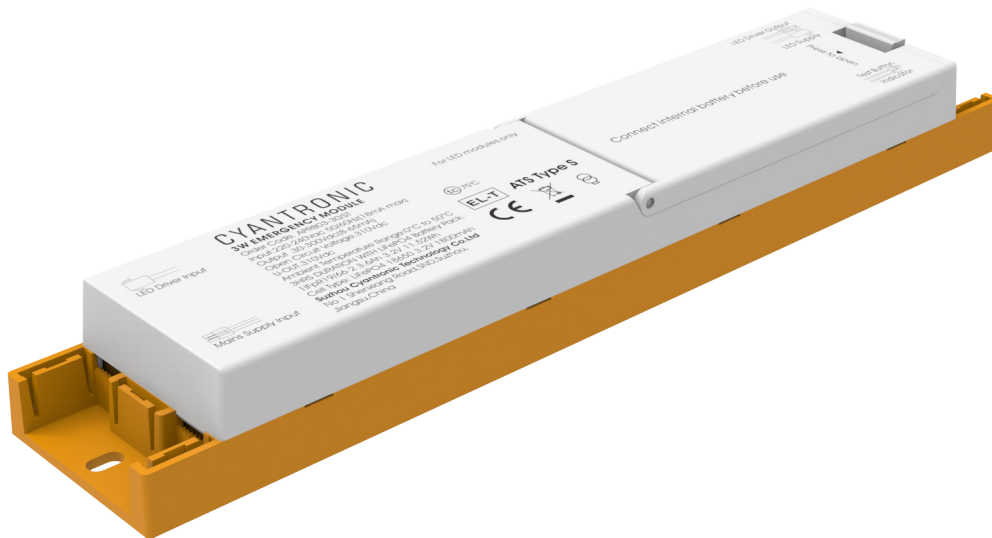
Type	Description
LED indicator & Test button cable	4-pole wiring leads with bi-coloured status LED indicator and test button
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module
Output cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram



α Pro Mains DALI

Self-test Internal Emergency Module for LED Luminaires with DALI interface



Product Information

This emergency module with DALI interface and automatic test function can be used built-in for the LED luminaires with integrated LEDs. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

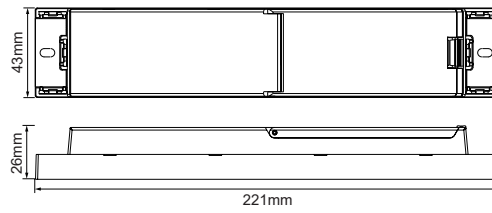
Features

- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via internal terminals or wire leads
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- For built-in
- Battery charging temperature control

Specifications

Order Code	APRM03-30/DA
Output Wattage	3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	18mA
Output Voltage	30-300Vdc
Output Current	8-80mA
Open Circuit Voltage	310Vdc
Working Voltage (max)	310Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Wiring leads with connector
Output Connection	Wiring leads with connector
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	2IFpR19/66 2.0Ah 6.4V
Battery Type	LiFePO4 18650
Battery Capacity	2000mAh
Battery Voltage	6.4V
Battery Charge Voltage	7.3V
Battery Charge Current	Max. 150mA
Battery Discharge Voltage	5.0-7.2V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C

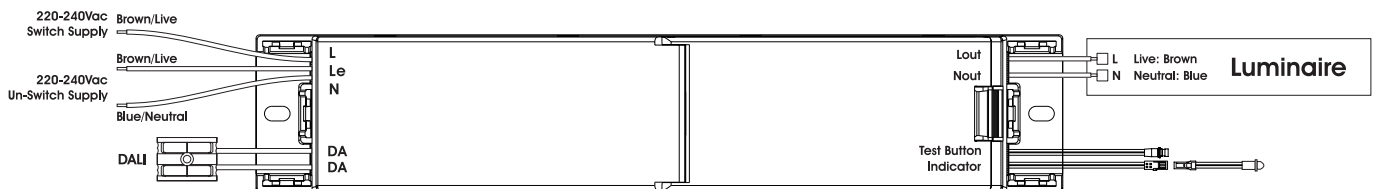
Dimension



Customizable Accessories

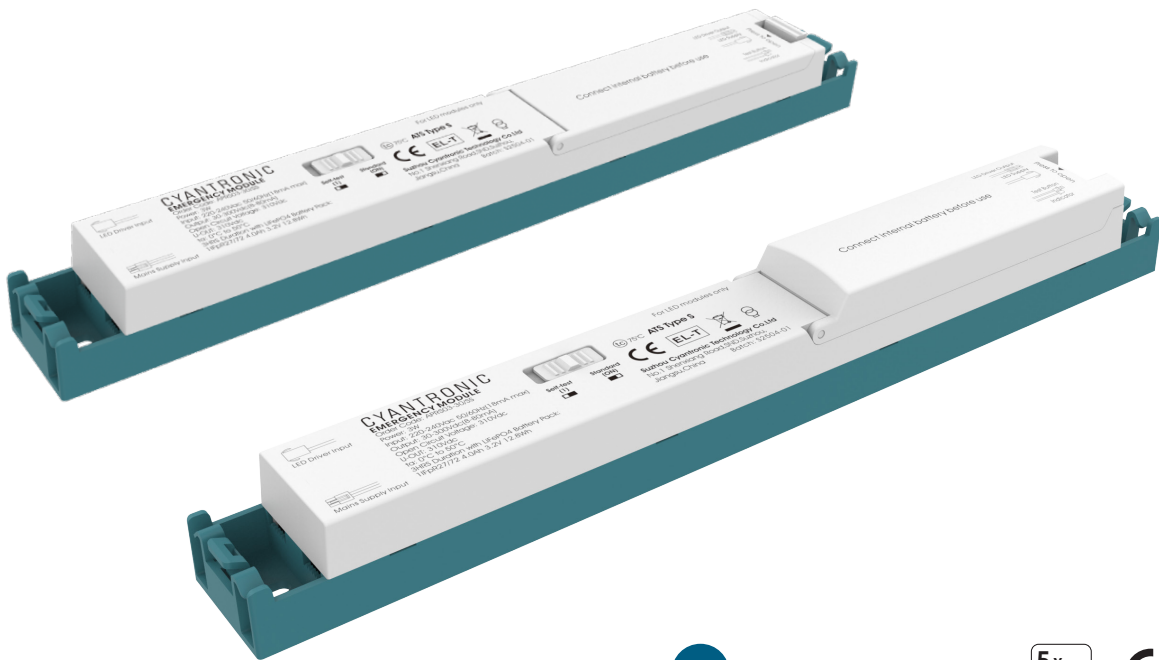
Type	Description
LED indicator & Test button cable	4-pole wiring leads with bi-coloured status LED indicator and test button
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
DALI cable	2-pole wiring leads with connector for connecting to DALI
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module
Output cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram



α Pro Slim

Manual / Self-test Internal Emergency Module for LED Luminaires



Product Information

This emergency module with Automatic Self-Test Technology can be used built-in for the LED luminaires with integrated LEDs. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

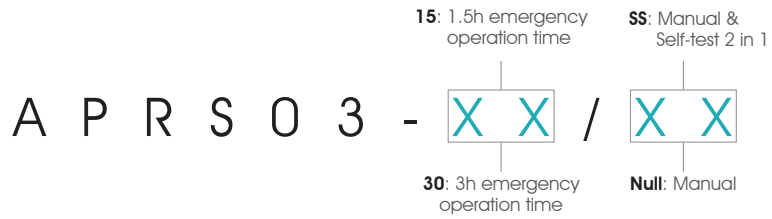
Features

- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch (self-test version)
- Double-press test button to change duration test interval (26weeks/52weeks) (self-test version)
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test for self-test mode
- For built-in
- Battery charging temperature control

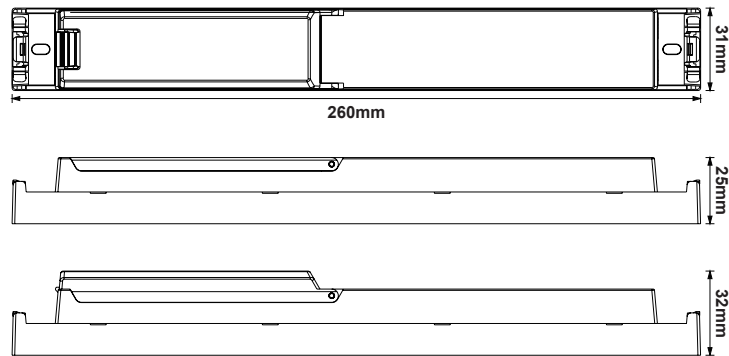
Specifications

Order Code	APRS03-XX/XX	
Output Wattage	2W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	18mA	
Output Voltage	30-300Vdc	
Output Current	6-60mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP20, For built-in installation	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Wiring leads with connector	
Output Connection	Wiring leads with connector	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	1IFpR19/66 1.8Ah 3.2V (3W, 1.5h)	1IFpR27/72 4.0Ah 3.2V (3W, 3h)
Battery Type	LiFePO4 18650	LiFePO4 26700
Battery Capacity	1800mAh	4000mAh
Battery Voltage	3.2V	
Battery Charge Voltage	3.65V	
Battery Charge Current	Max.300mA	
Battery Discharge Voltage	2.5-3.6V	
Battery Discharge Current	850-920mA	
Charging Time	24h	
Charge Temperature Range T _{min} -T _{max}	0 to 65°C	

Order Code



Dimension

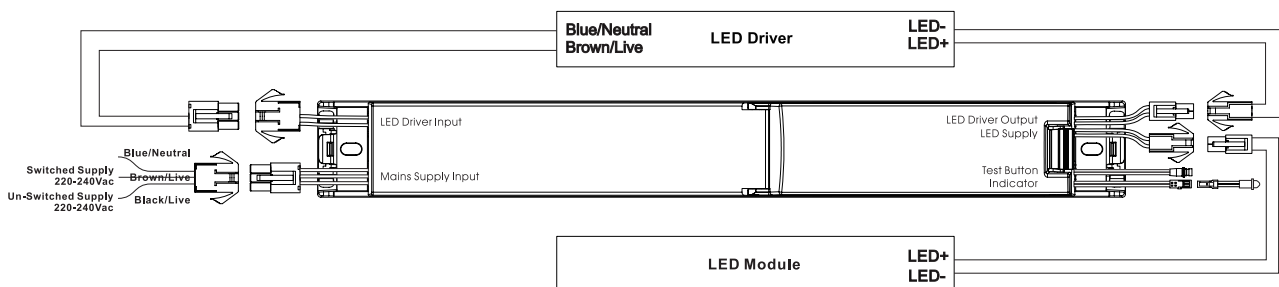


Customizable Accessories

Type	Description
LED indicator & Test button cable	4-pole wiring leads with bi-coloured status LED indicator and test button
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module
Output cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

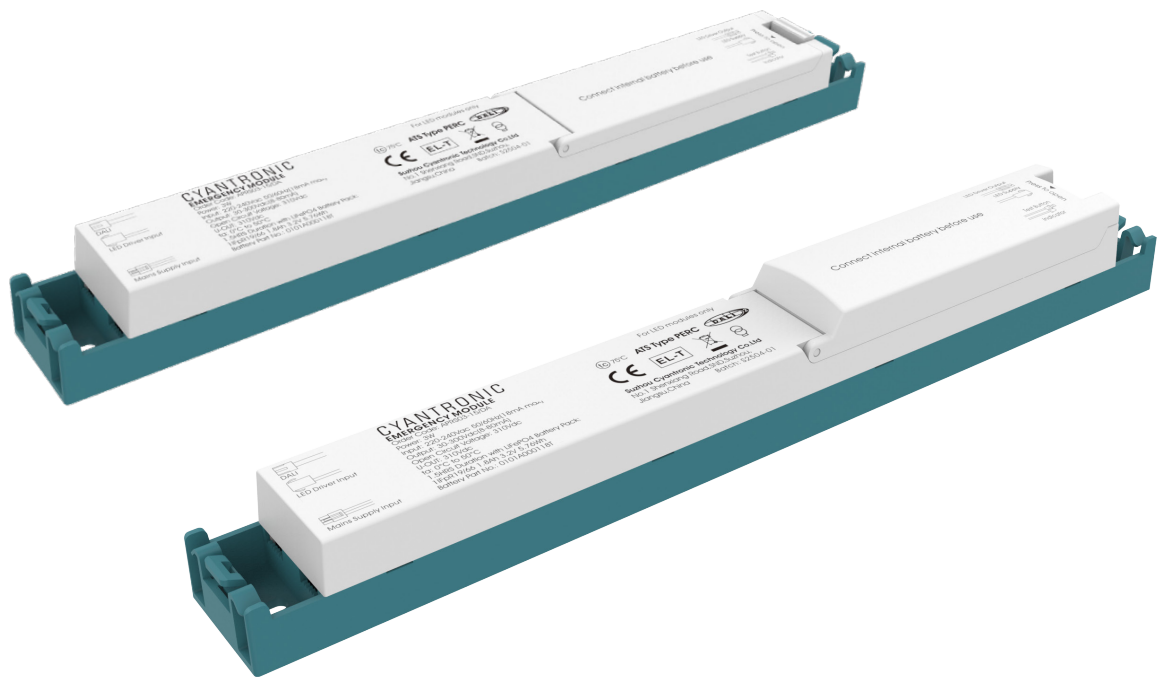
Wiring Diagram

Driver output current $\leq 2A$



α Pro Slim DALI

Self-test Internal Emergency Module for LED Luminaires with DALI interface



Product Information

This emergency module with DALI interface and automatic test function can be used built-in for the LED luminaires with integrated LEDs. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

Features

- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via internal terminals or wire leads
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- For built-in
- Battery charging temperature control

Specifications

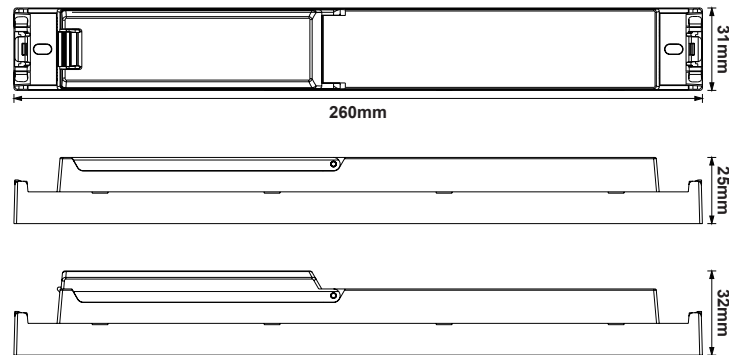
Order Code	APRS03-XX/DA	
Output Wattage	2W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	18mA	
Output Voltage	30-300Vdc	
Output Current	6-60mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP20, For built-in installation	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Wiring leads with connector	
Output Connection	Wiring leads with connector	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	1IFpR19/66 1.8Ah 3.2V (3W, 1.5h)	1IFpR27/72 4.0Ah 3.2V (3W, 3h)
Battery Type	LiFePO4 18650	LiFePO4 26700
Battery Capacity	1800mAh	4000mAh
Battery Voltage	3.2V	
Battery Charge Voltage	3.65V	
Battery Charge Current	Max.300mA	
Battery Discharge Voltage	2.5-3.6V	
Battery Discharge Current	850-920mA	
Charging Time	24h	
Charge Temperature Range Tcmin-Tcmax	0 to 65°C	

Order Code

A P R S O 3 - X X / D A

15: 1.5h emergency operation time
 30: 3h emergency operation time

Dimension

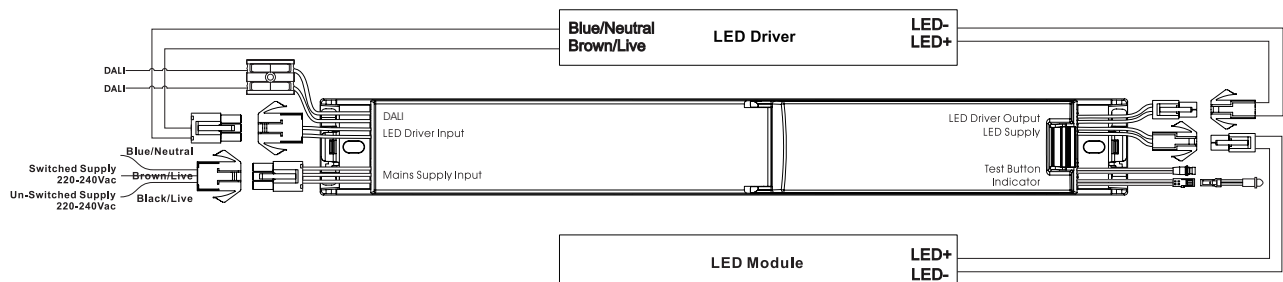


Customizable Accessories

Type	Description
LED indicator & Test button cable	4-pole wiring leads with bi-coloured status LED indicator and test button
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
DALI cable	2-pole wiring leads with connector for connecting to DALI
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module
Output cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$



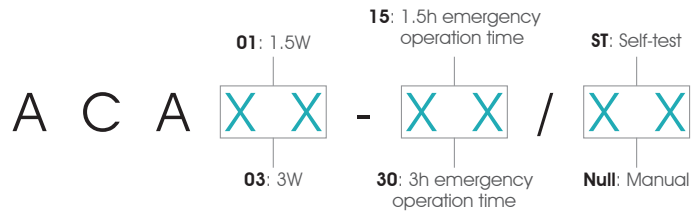


α Compact
for LED Surface Luminaires

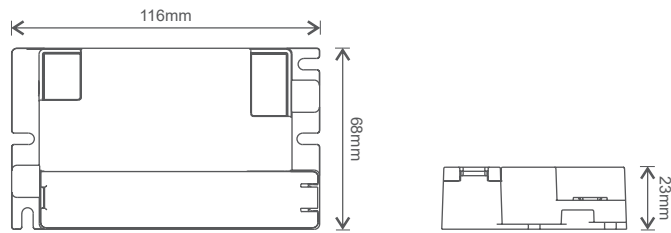
Specifications

Order Code	ACAXX-XX/XX
Output Wattage	1.5W / 3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	16mA
Output Voltage	24-190Vdc
Output Current	5-40mA / 11-80mA
Open Circuit Voltage	200Vdc
Working Voltage (max)	200Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 1.5h / > 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	11FpR19/66 1.8Ah 3.2V
Battery Type	LiFePO4 18650
Battery Capacity	1800mAh
Battery Voltage	3.2V
Battery Charge Voltage	3.65V
Battery Charge Current	Max. 170mA
Battery Discharge Voltage	2.5-3.6V
Battery Discharge Current	450-480mA / 900-960mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C

Order Code



Dimension

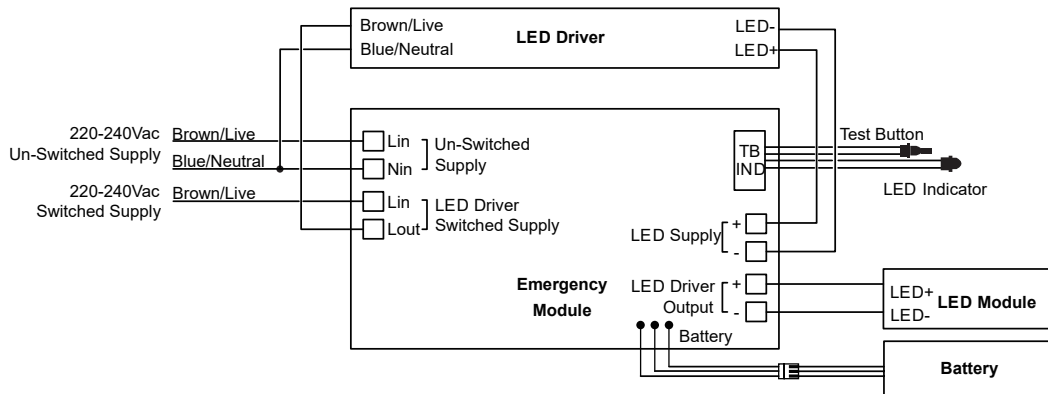


Customizable Accessories

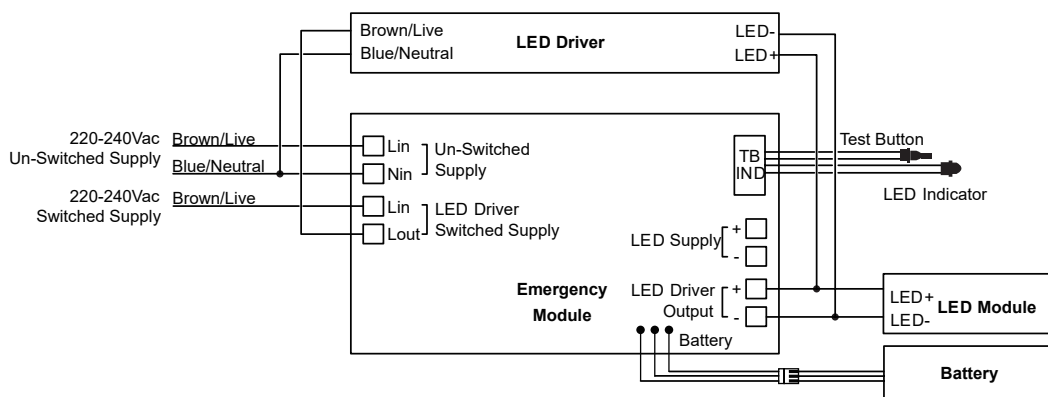
Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug

Wiring Diagram

Driver output current $\leq 2A$



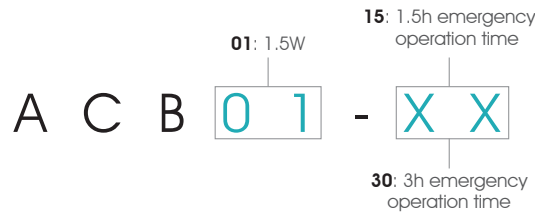
Drive output current $> 2A$



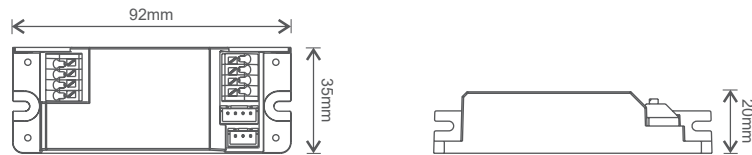
Specifications

Order Code	ACB01-XX
Output Wattage	1.5W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	16mA
Output Voltage	30-180Vdc
Output Current	6-33mA
Open Circuit Voltage	200Vdc
Working Voltage (max)	200Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	手动 Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	11FpR19/66 1.8Ah 3.2V
Battery Type	LiFePO4 18650
Battery Capacity	1800mAh
Battery Voltage	3.2V
Battery Charge Voltage	3.65V
Battery Charge Current	Max.170mA
Battery Discharge Voltage	2.5-3.6V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range Tcmin-Tcmax	0 to 65°C

Order Code



Dimension

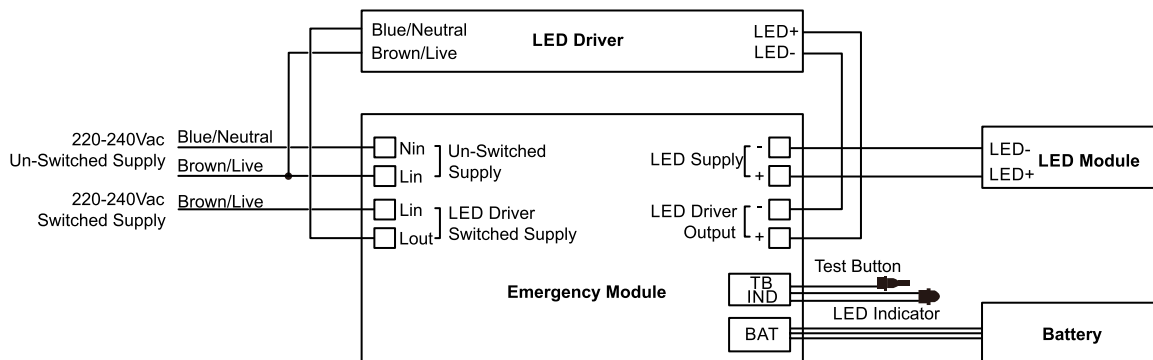


Customizable Accessories

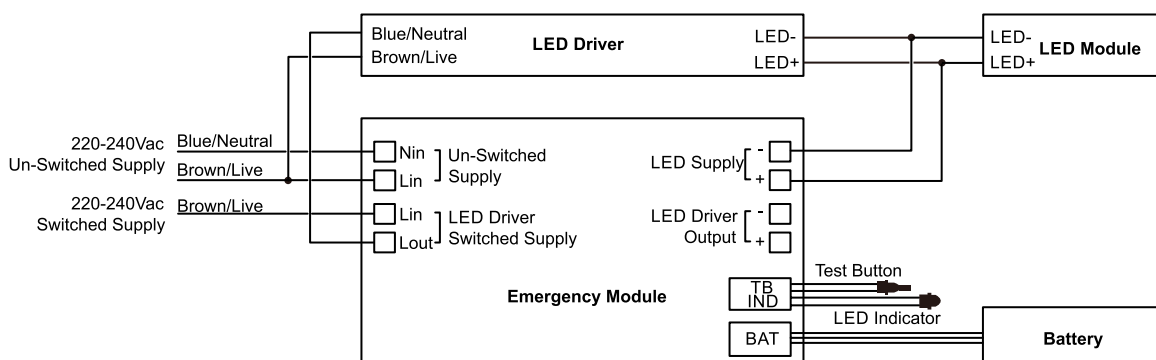
Type	Description
LED indicator & Test button cable	Bi-coloured LED indicator and test button cable with 4-pole plug
Extension cable for battery	Extension cable for battery with 3-pole plug, available in 75mm or 130mm

Wiring Diagram

Driver output current $\leq 2A$

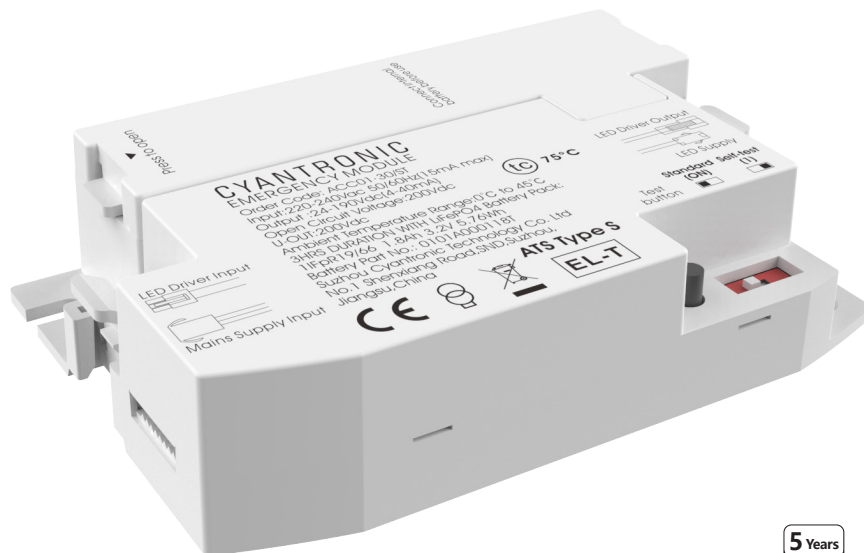


Drive output current $> 2A$



α Compact C

Manual / Self-test Internal Emergency Module for LED Luminaires



Product Information

This emergency module with Automatic Self-Test Technology is used in LED luminaires with integrated LEDs and separate LED drivers. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the luminaires at a reduced output.

It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

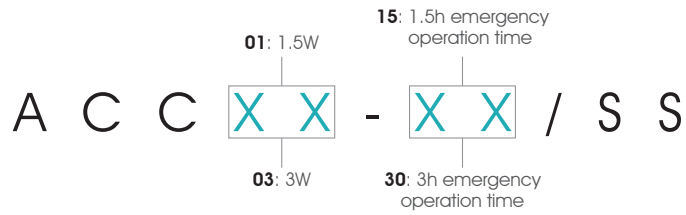
Features

- For LED modules with a forward voltage of 24-190Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the DIP switch
- Double-press test button to change duration test interval (26weeks/52weeks)
- Bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- Constant power output
- For built-in
- Battery charging temperature control

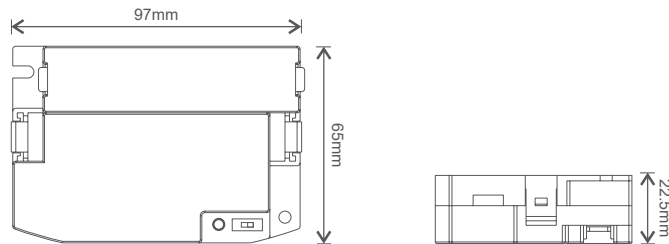
Specifications

Order Code	ACCXX-XX/SS
Output Wattage	1.5W / 3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	16mA
Output Voltage	24-190Vdc
Output Current	5-40mA / 11-80mA
Open Circuit Voltage	200Vdc
Working Voltage (max)	200Vdc
Protection	IP20, For built-in installation
Input to Output Protection	Double Insulation
Emergency Operation Time	> 1.5h / > 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Wiring leads with connector
Output Connection	Wiring leads with connector
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	11FpR19/66 1.8Ah 3.2V
Battery Type	LiFePO4 18650
Battery Capacity	1800mAh
Battery Voltage	3.2V
Battery Charge Voltage	3.65V
Battery Charge Current	Max. 170mA
Battery Discharge Voltage	2.5-3.6V
Battery Discharge Current	450-480mA / 900-960mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C

Order Code



Dimension

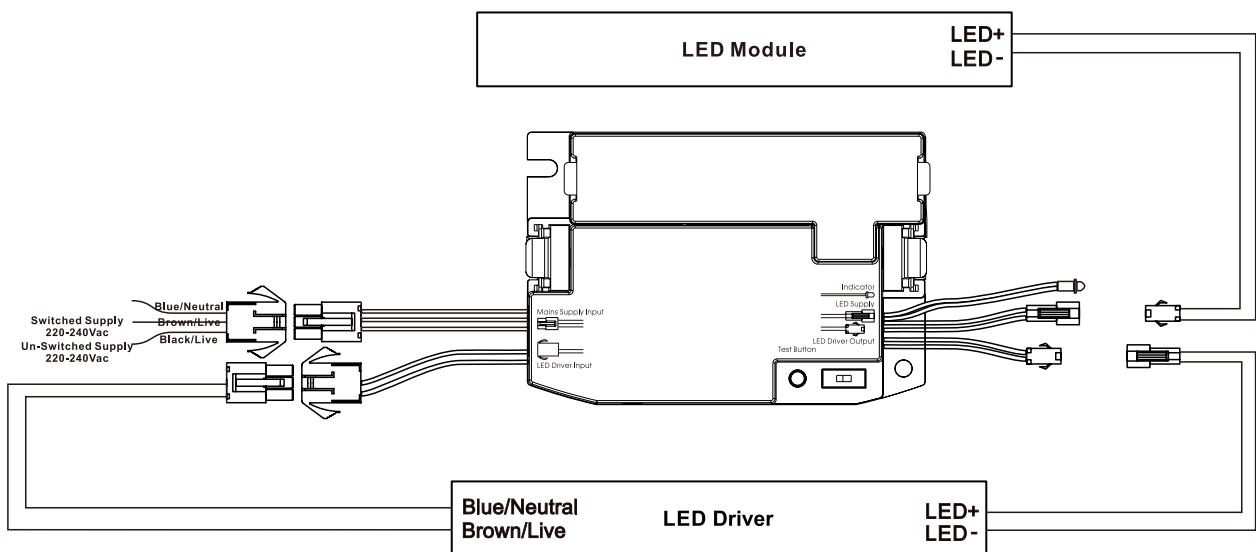


Customizable Accessories

Type	Description
LED indicator cable	2-pole wiring leads with bi-coloured LED indicator
Mains supply cable	3-pole wiring leads with connector for mains supply
LED driver input cable	2-pole wiring leads with connector for connecting to LED driver input
Output cable to LED module	2-pole wiring leads with connector for connecting to LED module

Wiring Diagram

Driver output current $\leq 2A$



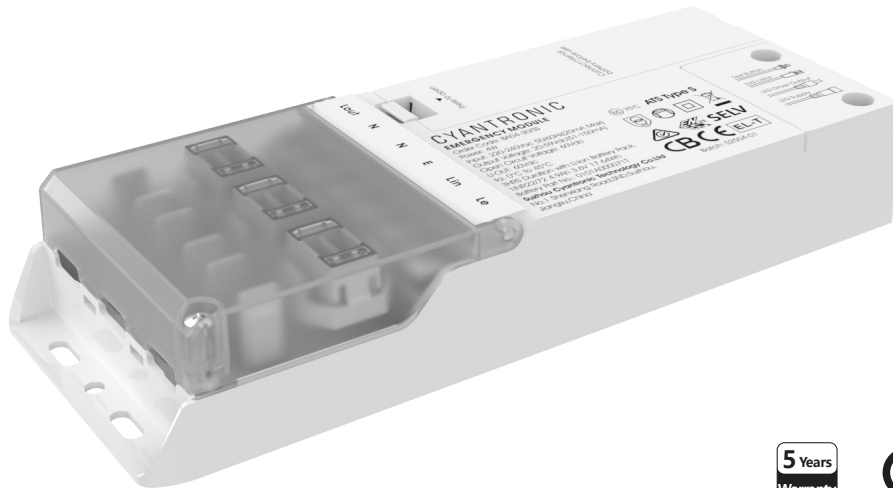


β

for LED Panel Luminaires / Downlight



Manual / Self-test External Emergency Module for LED Luminaires



Product Information

The Emergency Module (EM) is suitable for class III luminaires with integrated LEDs and separate LED drivers. The EM has a replaceable internal battery and can be installed within a luminaire or within the ceiling void to provide a back-up supply in the event of a power cut. The EM requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the EM will supply the luminaire at a reduced output. It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

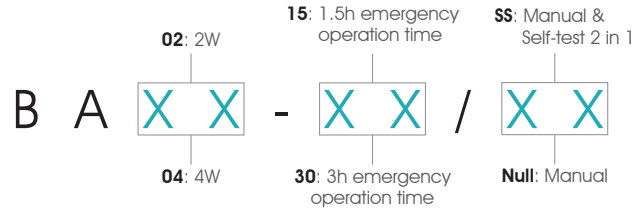
Features

- For luminaires with class III LED modules and separate LED drivers
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Replaceable internal Li-ion battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch
- (self-test version)
- Double-press test button to change duration test interval (26weeks/52weeks) (self-test version)
- Bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- Constant power output
- For independent Battery charging temperature control

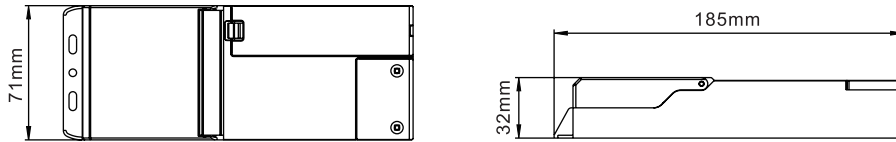
Specifications

Order Code	BAXX-XX/XX	
Output Wattage	2W / 4W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	20mA	
Output Voltage	20-59Vdc	
Output Current	25-75mA / 51-150mA	
Open Circuit Voltage	60Vdc	
Working Voltage (max)	60Vdc	
Protection	IP20, Independent Driver	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Push-fit terminals 0.5-1.5mm ²	
Output Connection	Push-fit terminals 0.5-1.5mm ²	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 45°C	
Battery Model	11NR19/66 2.6Ah 3.6V (2W, 3h / 4W, 1.5h)	11NR22/72 4.9Ah 3.6V (4W, 3h)
Battery Type	Li-ion 18650	Li-ion 21700
Battery Capacity	2600mAh	4900mAh
Battery Voltage	3.6V	3.6V
Battery Charge Voltage	4.2V	4.2V
Battery Charge Current	Max.250mA	Max.250mA
Battery Discharge Voltage	2.5-3.6V	2.5-3.6V
Battery Discharge Current	400-600mA	800-1200mA
Charging Time	24h	
Charge Temperature Range T _{min} -T _{max}	0 to 45°C	

Order Code



Dimension

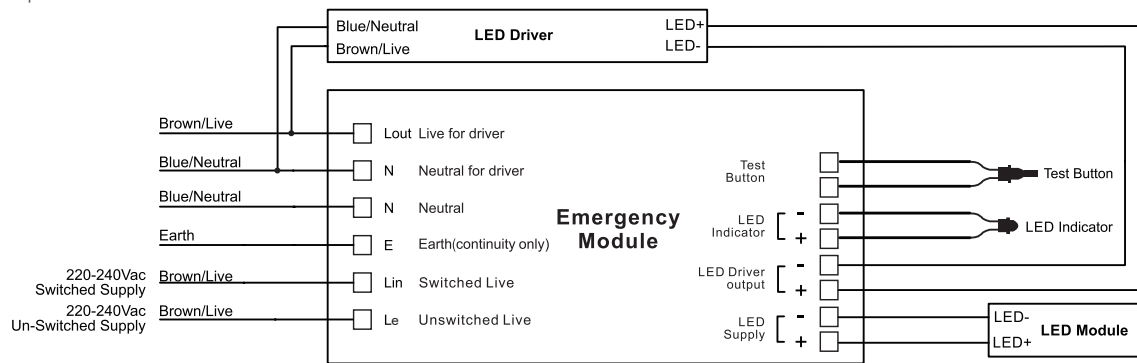


Customizable Accessories

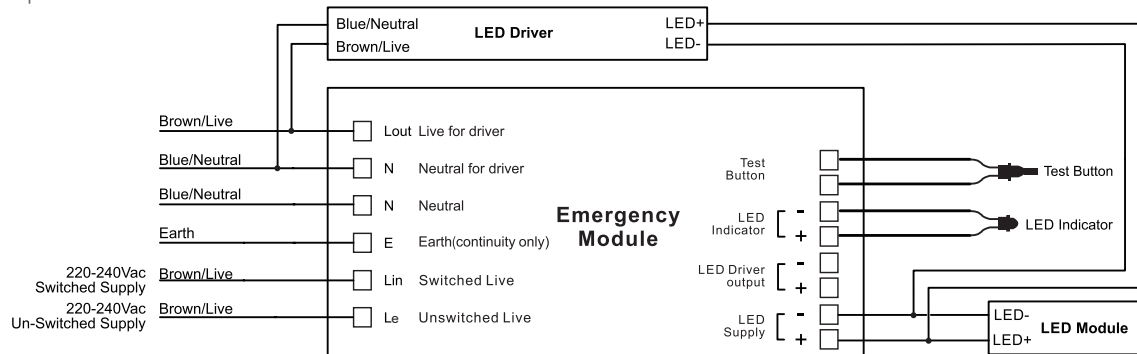
Type	Description
LED Indicator	2-pole wiring leads with bi-coloured status LED indicator
Test Button	2-pole wiring leads with test button
Output Cable to LED Module	2-pole wiring leads with connector for connecting to LED module
Output Cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$

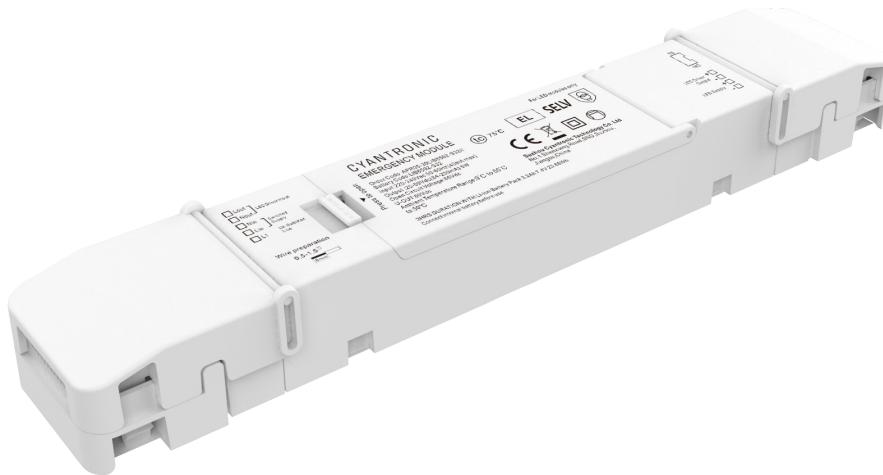


Driver output current $> 2A$





Manual / Self-test External Emergency Module for LED Luminaires



Product Information

The Emergency Module (EM) is suitable for class III luminaires with integrated LEDs and separate LED drivers. The EM has a replaceable internal battery and can be installed within a luminaire or within the ceiling void to provide a back-up supply in the event of a power cut. The EM requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the EM will supply the luminaire at a reduced output. It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

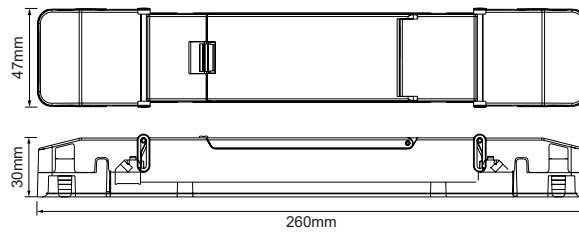
Features

- For luminaires with class III LED modules and separate LED drivers
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch
- Double-press test button to change duration test interval (26weeks/52weeks)
- Bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- Constant power output
- For independent
- Battery charging temperature control

Specifications

Order Code	BB03-30/SS
Output Wattage	3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	18mA
Output Voltage	20-59Vdc
Output Current	42-125mA
Open Circuit Voltage	60Vdc
Working Voltage (max)	60Vdc
Protection	IP20, Class II, Independent Driver
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	2IFpR19/66 2.0Ah 6.4V
Battery Type	LiFePO4 18650
Battery Capacity	2000mAh
Battery Voltage	6.4V
Battery Charge Voltage	7.3V
Battery Charge Current	Max. 180mA
Battery Discharge Voltage	5.0-7.2V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C

Dimension

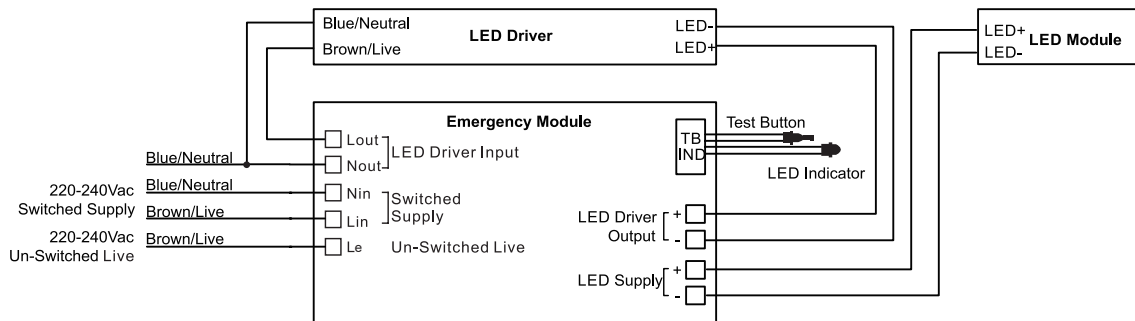


Customizable Accessories

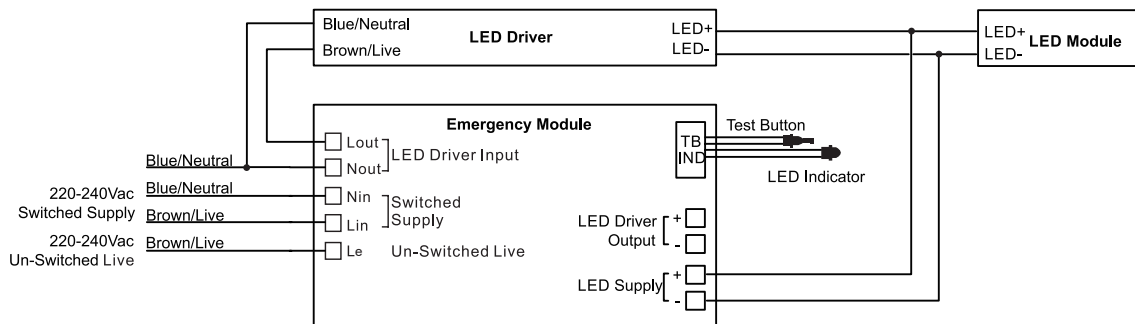
Type	Description
LED Indicator	2-pole wiring leads with bi-coloured status LED indicator
Test Button	2-pole wiring leads with test button
Output Cable to LED Module	2-pole wiring leads with connector for connecting to LED module
Output Cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$

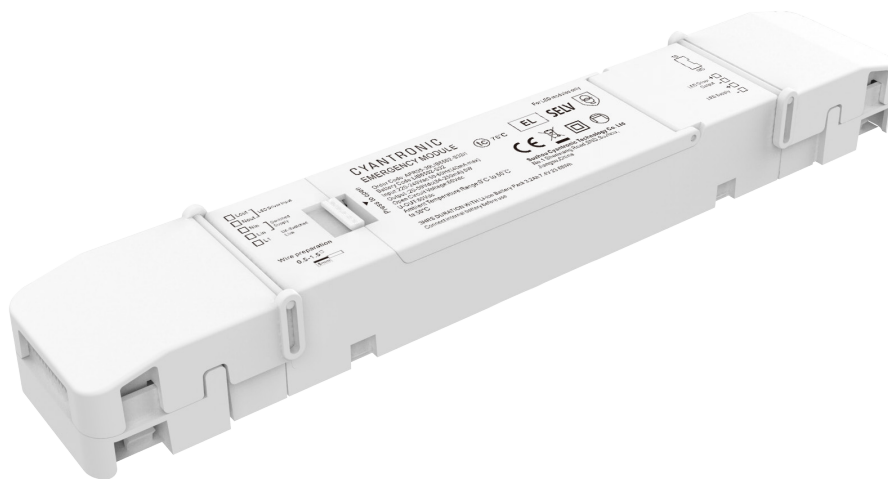


Driver output current $> 2A$



β B DALI

Self-test External Emergency Module for LED Luminaires with DALI interface



Product Information

The Emergency Module (EM) with DALI interface and automatic test function is suitable for class III luminaires with integrated LEDs and separate LED drivers. The EM has a replaceable internal battery and can be installed within a luminaire or within the ceiling void to provide a back-up supply in the event of a power cut. The EM requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the EM will supply the luminaire at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

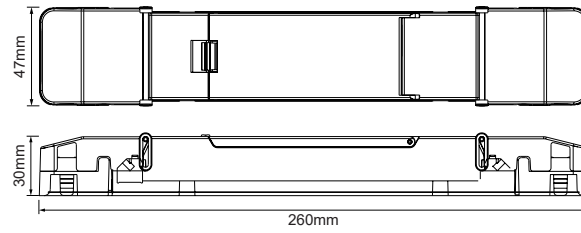
Features

- For luminaires with class III LED modules and separate LED drivers
- For maintained or non-maintained emergency lighting systems
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- Constant power output
- For independent
- Battery charging temperature control

Specifications

Order Code	BB03-30/DA
Output Wattage	3W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	18mA
Output Voltage	20-59Vdc
Output Current	42-125mA
Open Circuit Voltage	60Vdc
Working Voltage (max)	60Vdc
Protection	IP20, Class II, Independent Driver
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	2IFpR19/66 2.0Ah 6.4V
Battery Type	LiFePO4 18650
Battery Capacity	2000mAh
Battery Voltage	6.4V
Battery Charge Voltage	7.3V
Battery Charge Current	Max. 180mA
Battery Discharge Voltage	5.0-7.2V
Battery Discharge Current	450-480mA
Charging Time	24h
Charge Temperature Range Tcmin-Tcmax	0 to 65°C

Dimension

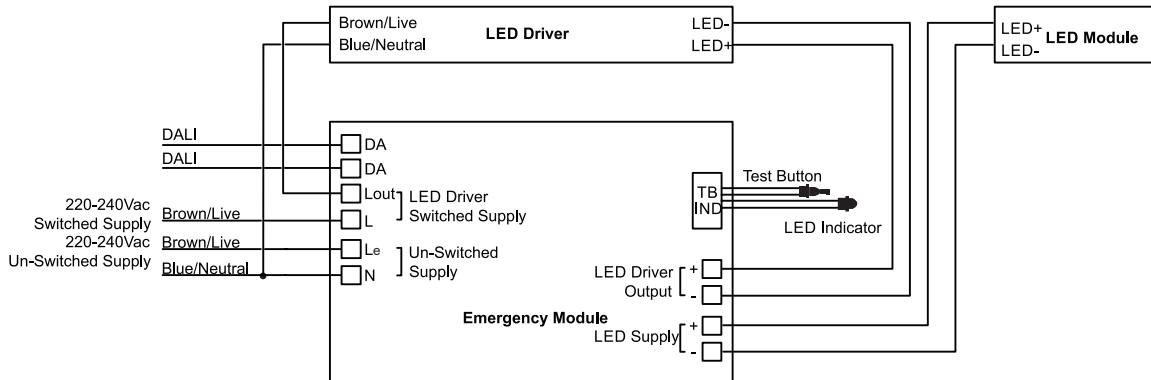


Customizable Accessories

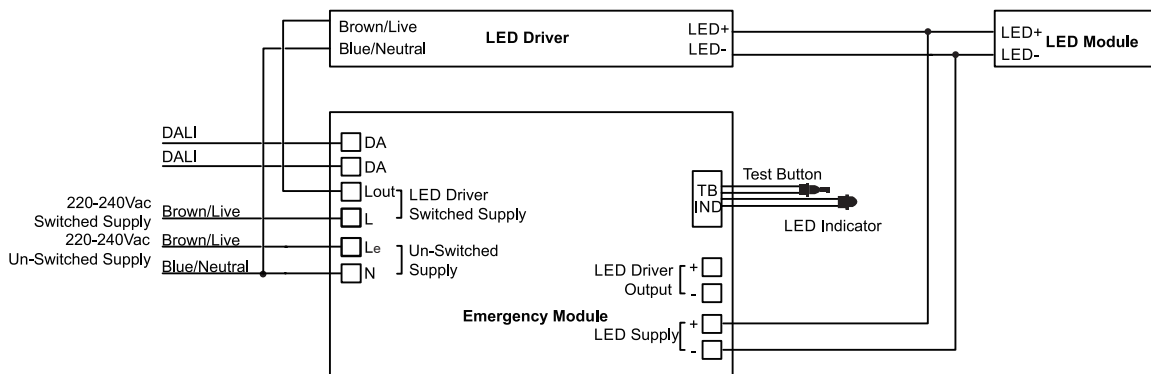
Type	Description
LED Indicator	2-pole wiring leads with bi-coloured status LED indicator
Test Button	2-pole wiring leads with test button
DALI cable	2-pole wiring leads with connector for connecting to DALI
Output Cable to LED Module	2-pole wiring leads with connector for connecting to LED module
Output Cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$



Driver output current $> 2A$





Manual / Self-test External Emergency Module for LED Luminaires



Product Information

The Emergency Module (EM) is suitable for class III luminaires with integrated LEDs and separate LED drivers. The EM has a replaceable internal battery and can be installed within a luminaire or within the ceiling void to provide a back-up supply in the event of a power cut. The EM requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the EM will supply the luminaire at a reduced output. It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

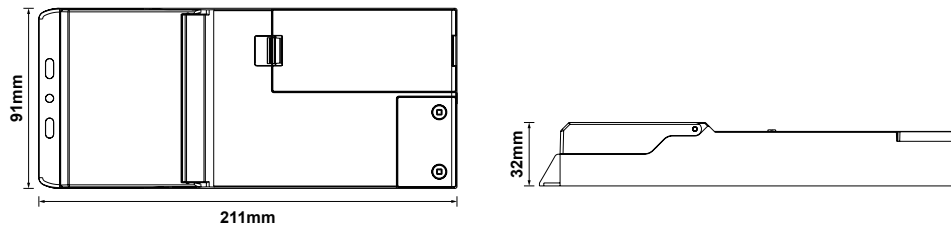
Features

- For luminaires with class III LED modules and separate LED drivers
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch
- Double-press test button to change duration test interval (26weeks/52weeks)
- Bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- Constant power output
- For independent
- Battery charging temperature control

Specifications

Order Code	BC04-30/SS
Output Wattage	4W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	20mA
Output Voltage	20-59Vdc
Output Current	51-150mA
Open Circuit Voltage	60Vdc
Working Voltage (max)	60Vdc
Protection	IP20, Class II, Independent Driver
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	21NR19/66 2.6Ah 7.3V
Battery Type	Li-ion 18650
Battery Capacity	2600mAh
Battery Voltage	7.3V
Battery Charge Voltage	8.3V
Battery Charge Current	Max. 170mA
Battery Discharge Voltage	6.0-8.3V
Battery Discharge Current	480-560mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 50°C

Dimension

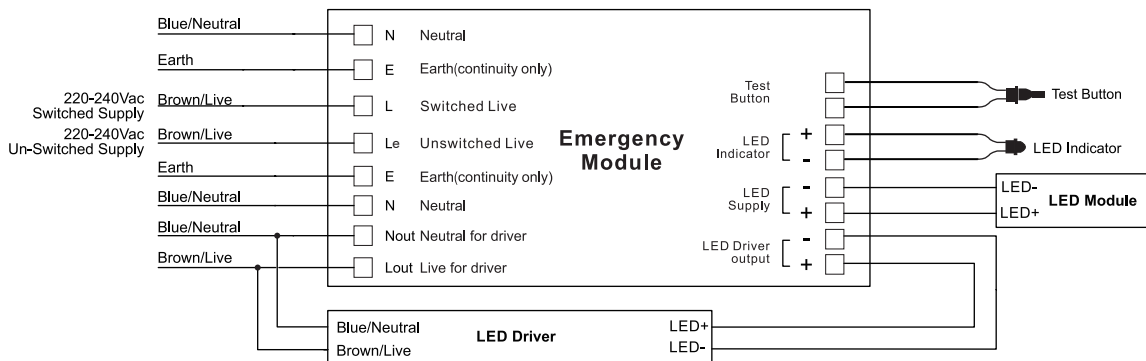


Customizable Accessories

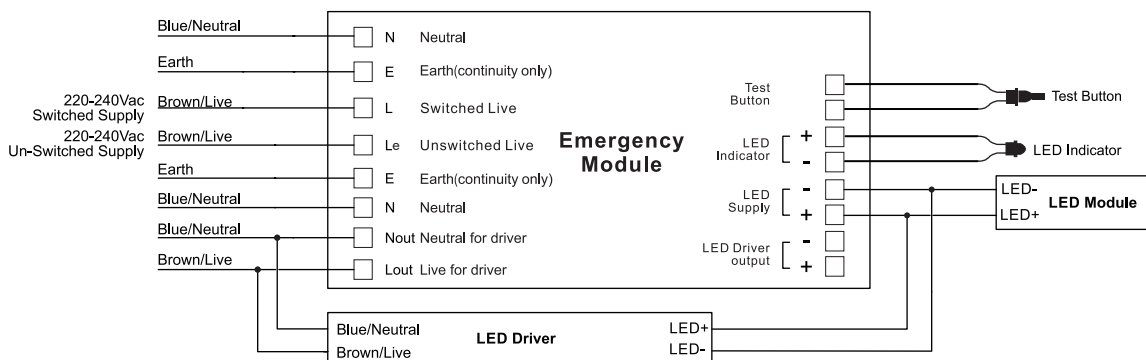
Type	Description
LED Indicator	2-pole wiring leads with bi-coloured status LED indicator
Test Button	2-pole wiring leads with test button
Output Cable to LED Module	2-pole wiring leads with connector for connecting to LED module
Output Cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$



Driver output current $> 2A$



β C DALI

Self-test External Emergency Module for LED Luminaires with DALI interface



Product Information

The Emergency Module (EM) with DALI interface and automatic test function is suitable for class III luminaires with integrated LEDs and separate LED drivers. The EM has a replaceable internal battery and can be installed within a luminaire or within the ceiling void to provide a back-up supply in the event of a power cut. The EM requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery within the EM will supply the luminaire at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

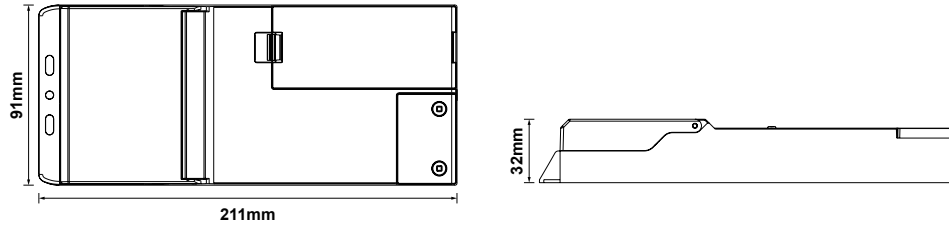
Features

- For luminaires with class III LED modules and separate LED drivers
- For maintained or non-maintained emergency lighting systems
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- For independent
- Battery charging temperature control

Specifications

Order Code	BC04-30/DA
Output Wattage	4W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	20mA
Output Voltage	20-59Vdc
Output Current	51-150mA
Open Circuit Voltage	60Vdc
Working Voltage (max)	60Vdc
Protection	IP20, Class II, Independent Driver
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	Push-fit terminals 0.5-1.5mm ²
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	21NR19/66 2.6Ah 7.3V
Battery Type	Li-ion 18650
Battery Capacity	2600mAh
Battery Voltage	7.3V
Battery Charge Voltage	8.3V
Battery Charge Current	Max. 170mA
Battery Discharge Voltage	6.0-8.3V
Battery Discharge Current	480-560mA
Charging Time	24h
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 50°C

Dimension

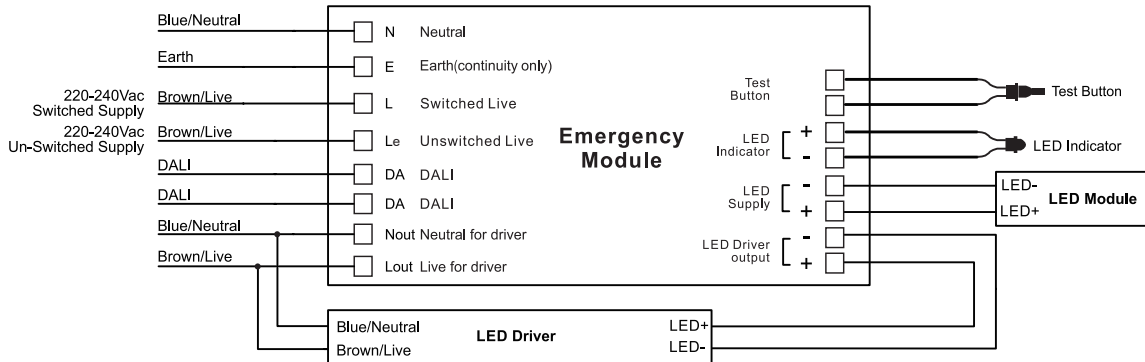


Customizable Accessories

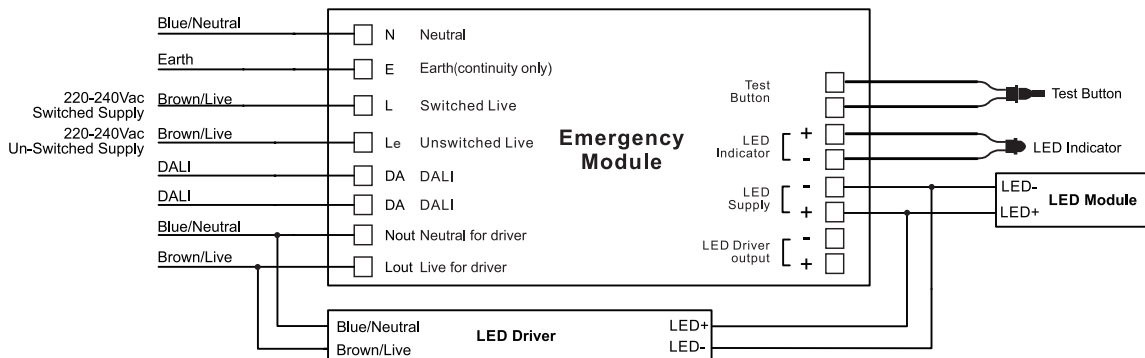
Type	Description
LED Indicator	2-pole wiring leads with bi-coloured status LED indicator
Test Button	2-pole wiring leads with test button
DALI cable	2-pole wiring leads with connector for connecting to DALI
Output Cable to LED Module	2-pole wiring leads with connector for connecting to LED module
Output Cable to LED driver output	2-pole wiring leads with connector for connecting to LED driver output

Wiring Diagram

Driver output current $\leq 2A$

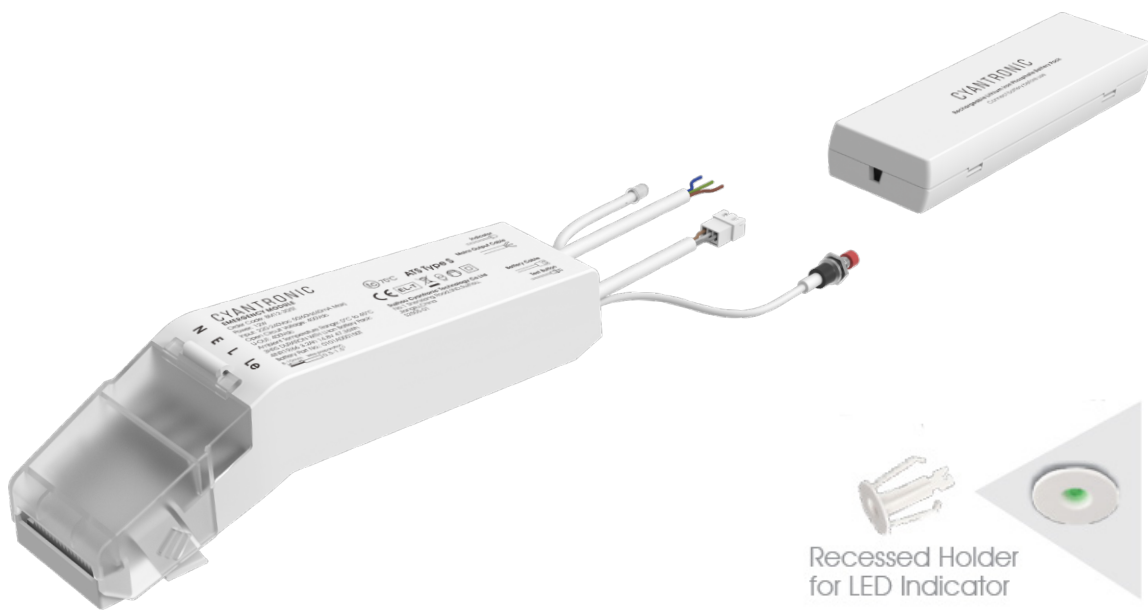


Driver output current $> 2A$



β Mains

Standard and Self-Test 2 in 1 External Emergency Module for LED Luminaires



CE

Product Information

The emergency module (EM) is suitable for LED luminaires. The EM has a replaceable battery and is designed for installing within the ceiling void to provide a battery back-up supply in the event of a power cut. It allows pass-through from the mains but will switch to the battery supply in an emergency. The EM requires a permanent live un-switched supply to maintain the battery charge.

It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

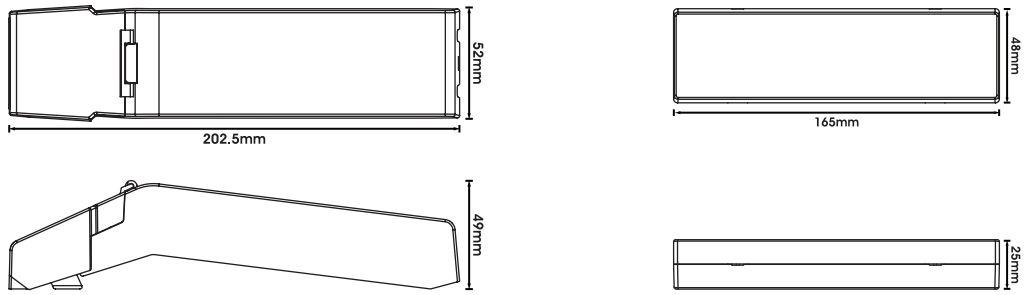
Features

- A mains voltage DC signal output
- Triple-press test button to change test mode (standard/self-test)
- Double-press test button to change duration test interval (26weeks/52weeks)
- For maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between luminaire driver via wiring leads
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable Li-ion battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- For independent
- Battery charging temperature control

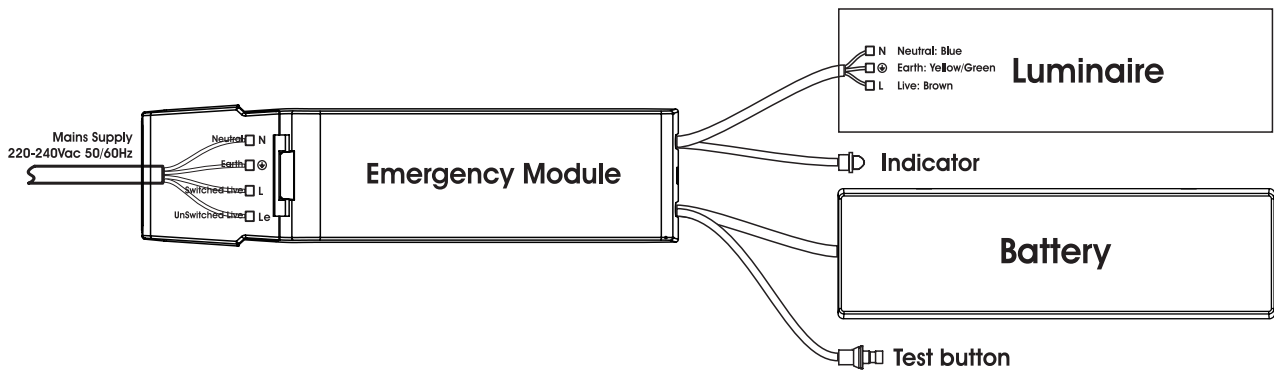
Specifications

Order Code	BM12-30/ST
Output Wattage	6W
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	40mA
Output Voltage	Adjust according to the connected luminaire
Output Current	Adjust according to the connected luminaire
Open Circuit Voltage	400Vdc
Working Voltage (max)	400Vdc
Protection	IP20, Independent Driver
Input to Output Protection	Double Insulation
Emergency Operation Time	> 3h
Emergency Conversion Time	< 1s
Test Function	Self-tset / Manual
Input Connection	Push-fit terminals 0.5-1.5mm ²
Output Connection	3-core wiring leads
Maximum Case Temp.	75°C
Ambient Temp. Range	0 to 50°C
Battery Model	41NR19/66 3.2Ah 14.8V
Battery Type	Li-ion 18650
Battery Capacity	3200mAh
Battery Voltage	14.8V
Battery Charge Voltage	16.8±0.1V
Battery Charge Current	Max.250mA
Battery Discharge Voltage	12.0-16.8V
Battery Discharge Current	700-1000mA
Charging Time	24h
Charge Temperature Range Tcmin-Tcmax	0 to 50°C

Dimension



Wiring Diagram





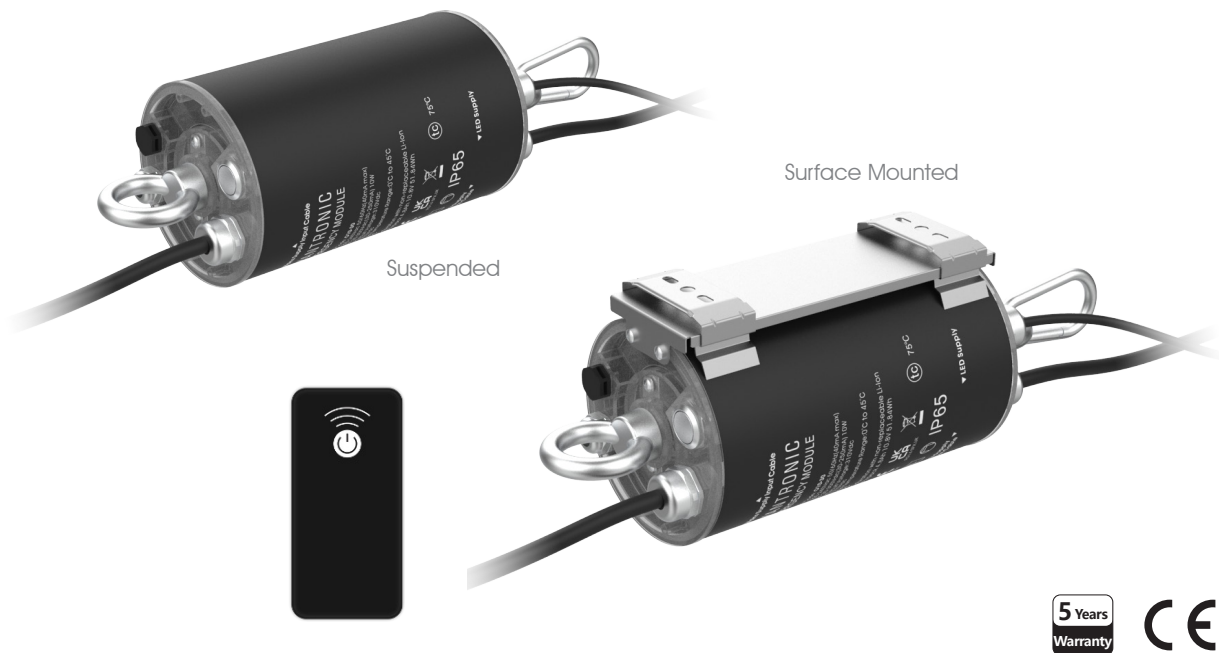
Mains Supply Input Cable
CYANTRONIC
EMERGENCY MODULE
Type Code: O10-30
Max Inp: 240Vac 50/60Hz (40mA max)
Max Out: 30-300Vac (30-250mA) 10W
Open Circuit Voltage: 31.0Vdc
100% Dims
Operational Temperature Range: 0°C to 45°C
-15°C
360 duration with non-replaceable Li-Ion
battery pack 4.8Ah 10.8V 51.84Wh
CE UK
75°C
EL IP65
Mains Supply Output Cable LED Supply



for LED Highbay / Lowbay Luminaires



Manual / Self-test External Suspended / Surface Mounted Plug-in Emergency Module for LED Highbay / Lowbay



Product Information

The emergency module is designed for use with the high bay or low bay luminaires with LED supply connector. It can be suspended with a luminaire or surface mounted to provide a back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the integrated LEDs at a reduced output.

It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

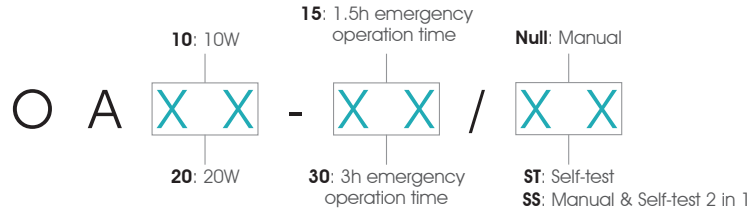
Features

- For High Bay/Low Bay Luminaires with LED supply connector
- For LED modules with a forward voltage of 30-300Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between LED module and emergency module via water-proof connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Built-in non-replaceable LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the DIP switch (self-test DIP switch version)
- Triple-press test button to change test mode (manual/self-test)(self-test test button version)
- Double-press test button to change duration test interval (26weeks/52weeks) (self-test version)
- Built-in bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- IP65
- Optional Suspended or Surface Mounted
- For independent
- Battery charging temperature control

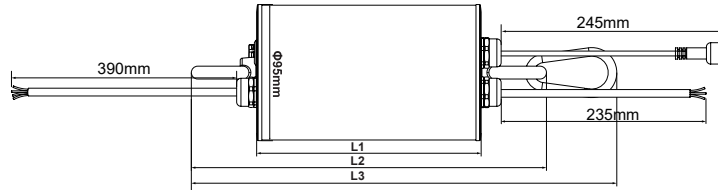
Specifications

Order Code	OAXX-XX/XX	
Output Wattage	10W /20W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	30mA / 50mA	
Output Voltage	30-300Vdc	
Output Current	20-210mA / 45-340mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP65, Class I, Independent Driver	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Wiring leads	
Output Connection	Wiring leads with connector	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	3lFpR27/72 4.0Ah 9.6V (10W, 3h / 20W, 1.5h)	3lFpR27/72-2 8.0Ah 9.6V (20W, 3h)
Battery Type	LiFePO4 26700	LiFePO4 26700
Battery Capacity	4000mAh	8000mAh
Battery Voltage	9.6V	9.6V
Battery Charge Voltage	10.8V	10.8V
Battery Charge Current	Max.330mA	Max.650mA
Battery Discharge Voltage	7.5-10.8V	7.5-10.8V
Battery Discharge Current	940-1025mA / 1965-2005mA	1965-2005mA
Charging Time	24h	
Charge Temperature Range Tcmin-Tcmax	0 to 65°C	

Order Code



Dimension

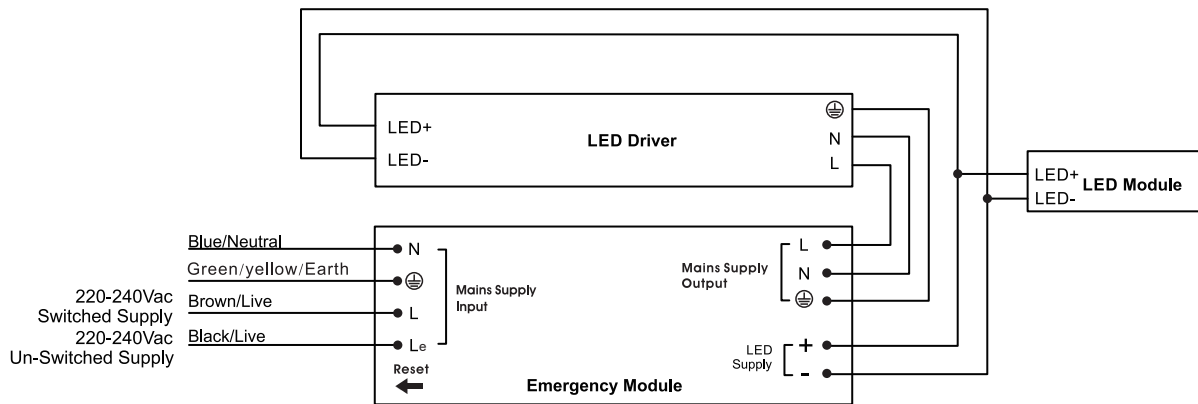


	L1	L2	L3
10W	157mm	249mm	298mm
20W	232mm	325mm	374mm

Customizable Accessories

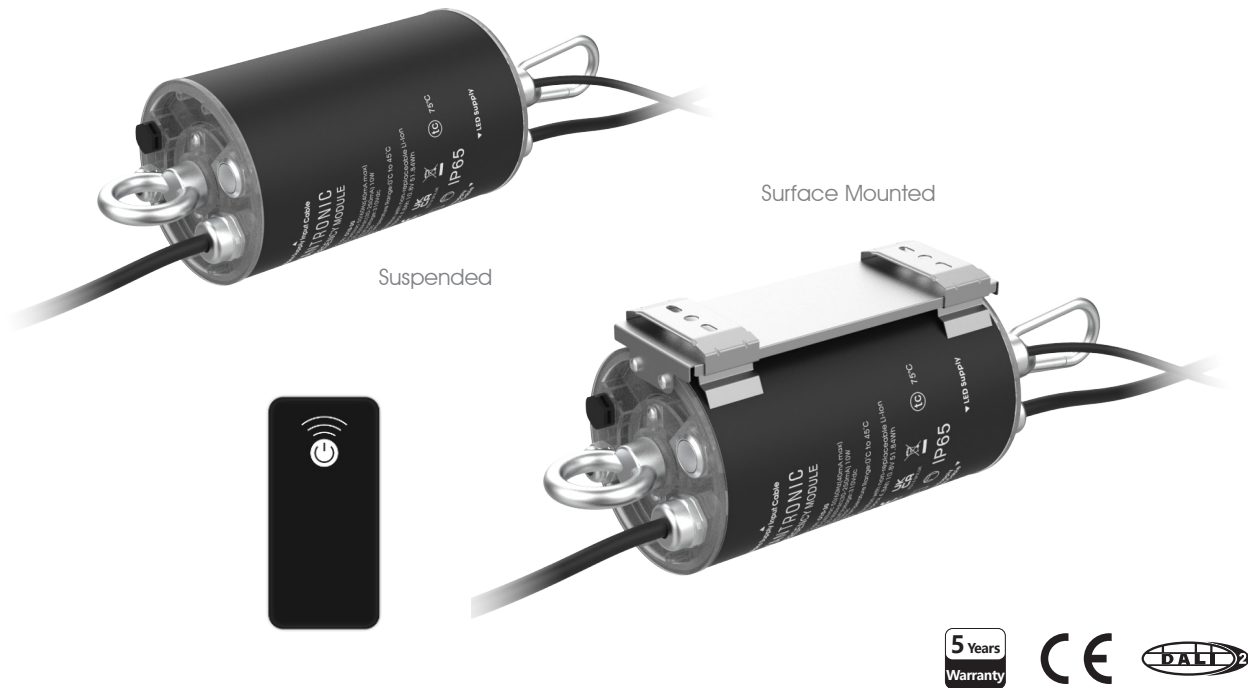
Type	Description
3 PIN Water-proof connector	3 PIN IP68 water-proof connector for connecting emergency module to driver
5 PIN Water-proof connector	5 PIN IP68 water-proof connector for connecting emergency module to mains supply
Surface Mounted Bracket	Bracket for Surface Mounted

Wiring Diagram



Ω A DALI

Self-test External Suspended / Surface Mounted Plug-in Emergency Module for LED Highbay / Lowbay with DALI interface



Product Information

The emergency module is designed for use with the high bay or low bay luminaires with LED supply connector. It can be suspended with a luminaire or surface mounted to provide a back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the integrated LEDs at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

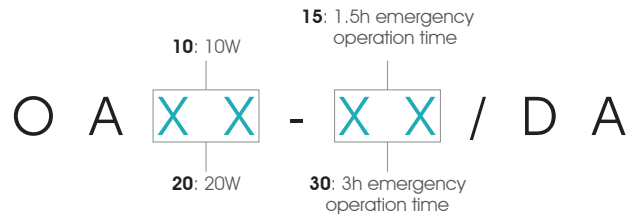
Features

- For High Bay/Low Bay Luminaires with LED supply connector
- For LED modules with a forward voltage of 30-300Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between LED module and emergency module via water-proof connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Built-in non-replaceable LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Built-in bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- IP65
- Optional Suspended or Surface Mounted
- For independent
- Battery charging temperature control

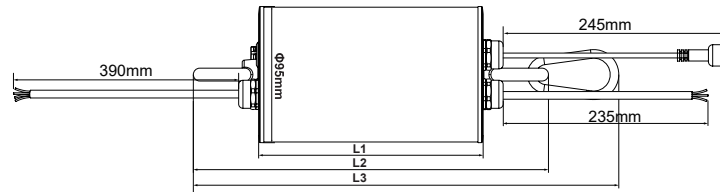
Specifications

Order Code	OAXX-XX/DA	
Output Wattage	7W / 15W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	30mA / 50mA	
Output Voltage	30-300Vdc	
Output Current	20-210mA / 45-340mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP65, Class I, Independent Driver	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Wiring leads	
Output Connection	Wiring leads with connector	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	3IFpR27/72 4.0Ah 9.6V (10W, 3h / 20W, 1.5h)	3IFpR27/72-2 8.0Ah 9.6V (20W, 3h)
Battery Type	LiFePO4 26700	LiFePO4 26700
Battery Capacity	4000mAh	8000mAh
Battery Voltage	9.6V	9.6V
Battery Charge Voltage	10.8V	10.8V
Battery Charge Current	Max.330mA	Max.650mA
Battery Discharge Voltage	7.5-10.8V	7.5-10.8V
Battery Discharge Current	940-1025mA / 1965-2005mA	1965-2005mA
Charging Time	24h	
Charge Temperature Range Tcmin-Tcmax	0 to 65°C	

Order Code



Dimension

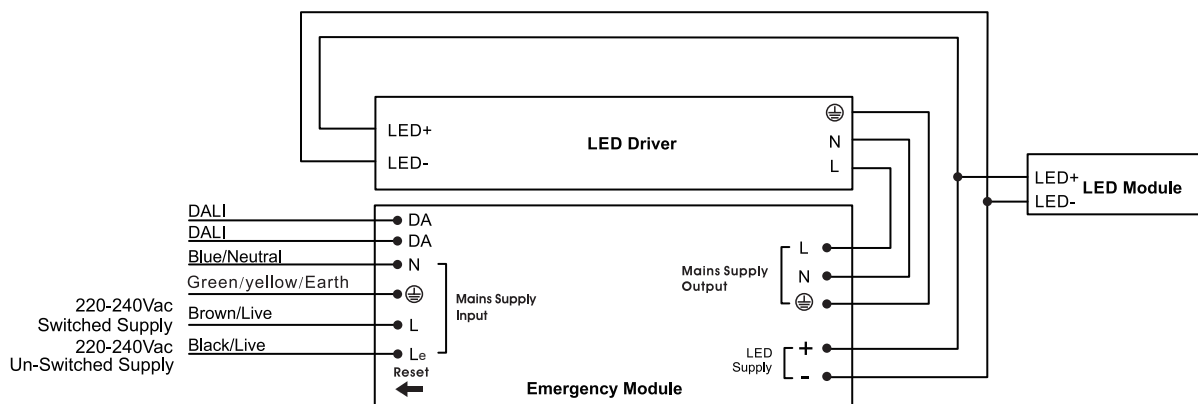


	L1	L2	L3
10W	157mm	249mm	298mm
20W	232mm	325mm	374mm

Customizable Accessories

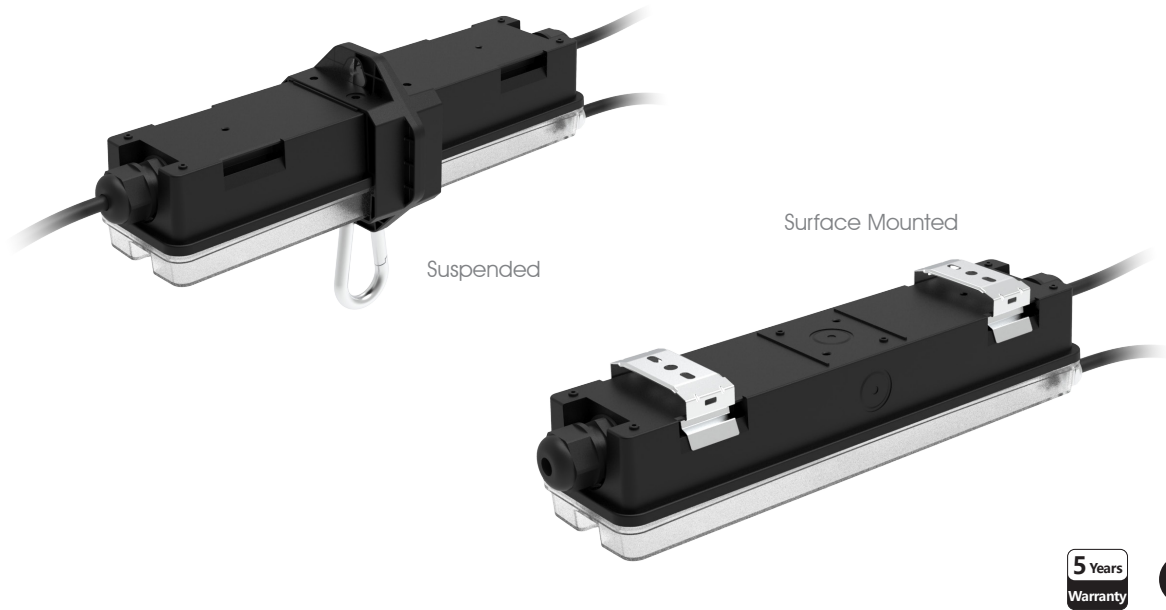
Type	描述 Description
3 PIN Water-proof connector	3 PIN IP68 water-proof connector for connecting emergency module to driver
5 PIN Water-proof connector	5 PIN IP68 water-proof connector for connecting emergency module to mains supply
Surface Mounted Bracket	Bracket for Surface Mounted

Wiring Diagram





Manual / Self-test External Suspended / Surface Mounted Plug-in Emergency Module for LED Highbay / Lowbay



Product Information

The emergency module is designed for use with the high bay or low bay luminaires with LED supply connector. It can be suspended with a luminaire or surface mounted to provide a back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the integrated LEDs at a reduced output.

It is provided with self-test mode and annual duration test as default. Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

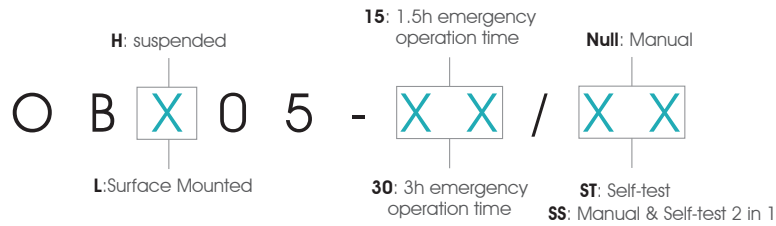
Features

- For High Bay/Low Bay Luminaires with LED supply connector
- For LED modules with a forward voltage of 30-300Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between LED module and emergency module via water-proof connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- To set manual or self-test mode via the internal DIP switch (self-test DIP switch version)
- Triple-press test button to change test mode (manual/self-test)(self-test test button version)
- Double-press test button to change duration test interval (26weeks/52weeks) (self-test version)
- Built-in bi-coloured status LED indicator
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- IP65
- Optional Suspended or Surface Mounted
- For independent
- Battery charging temperature control

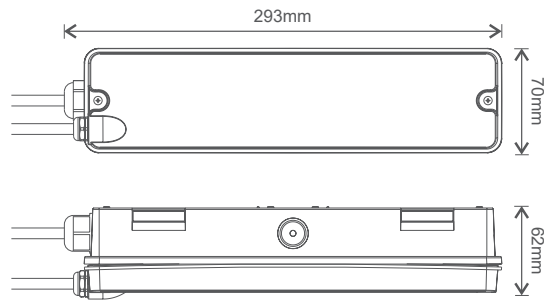
Specifications

Order Code	OBX05-XX/XX	
Output Wattage	5W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	30mA	
Output Voltage	30-300Vdc	
Output Current	13-130mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP65, Class II, Independent Driver	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / > 3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Wiring leads	
Output Connection	Wiring leads with connector	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	2IFpR19/66 2.0Ah 6.4V (5W, 1.5h)	2IFpR27/72 4.0Ah 6.4V (5W, 3h)
Battery Type	LiFePO4 18650	LiFePO4 26700
Battery Capacity	2000mAh	4000mAh
Battery Voltage	6.4V	6.4V
Battery Charge Voltage	7.3V	7.3V
Battery Charge Current	Max.320mA	Max.320mA
Battery Discharge Voltage	5.0-7.2V	5.0-7.2V
Battery Discharge Current	750-870mA	750-870mA
Charging Time	24h	
Charge Temperature Range T _{cmin} -T _{cmax}	0 to 65°C	

Order Code



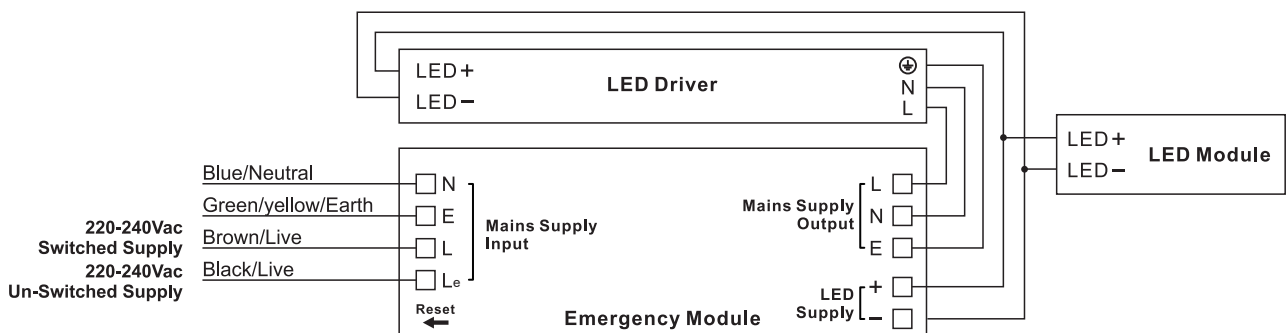
Dimension



Customizable Accessories

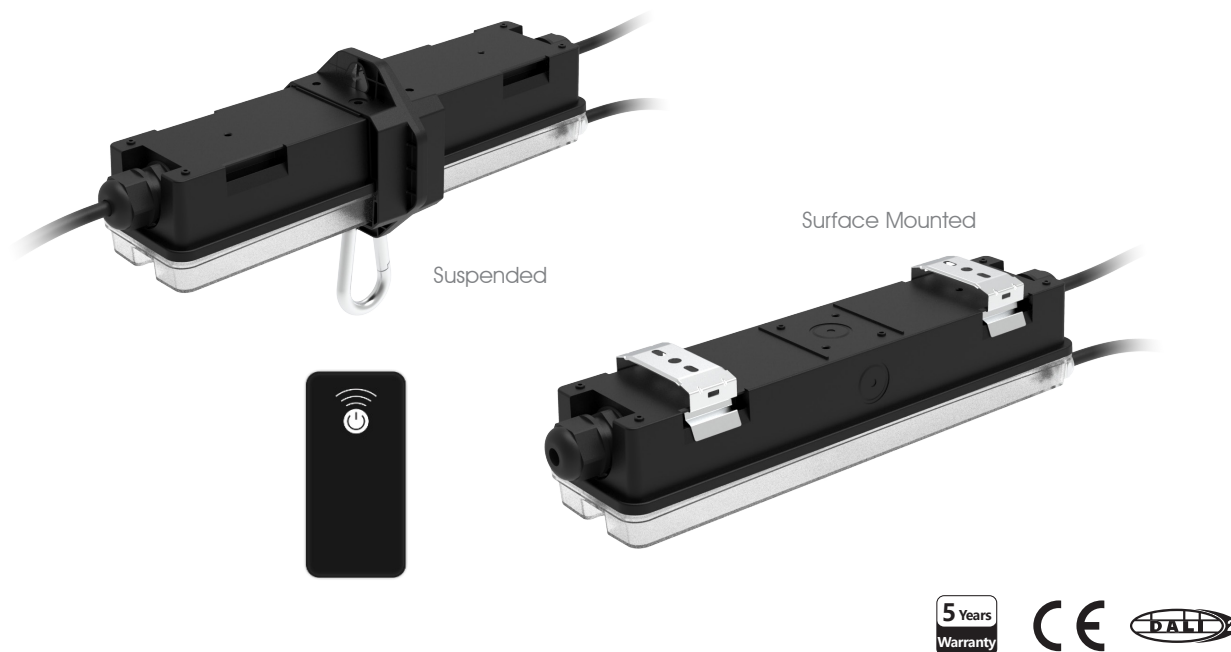
Type	描述 Description
3 PIN Water-proof connector	3 PIN IP68 water-proof connector for connecting emergency module to driver
5 PIN Water-proof connector	5 PIN IP68 water-proof connector for connecting emergency module to mains supply
Surface Mounted Bracket	Bracket for Surface Mounted

Wiring Diagram



Ω B DALI

Self-test External Suspended / Surface Mounted Plug-in Emergency Module for LED Highbay / Lowbay with DALI interface



Product Information

The emergency module is designed for use with the high bay or low bay luminaires with LED supply connector. It can be suspended with a luminaire or surface mounted to provide a back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the integrated LEDs at a reduced output.

A DALI command from a suitable control unit can be used to initiate function and duration tests at individually selected times. Status flags are set for report back and data logging of results.

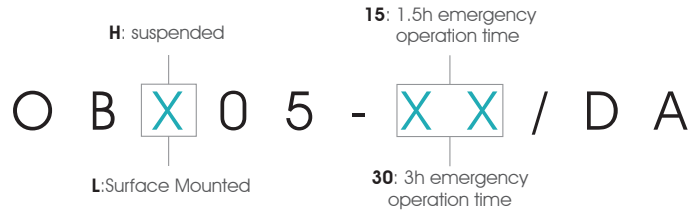
Features

- For High Bay/Low Bay Luminaires with LED supply connector
- For LED modules with a forward voltage of 30-300Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- DALI conforming to EN 62386-101, EN 62386-102, EN 62386-202
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between LED module and emergency module via water-proof connector
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Replaceable internal LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Built-in bi-coloured status LED indicator
- Weekly function test and yearly duration test as factory default
- IP65
- Optional Suspended or Surface Mounted
- For independent
- Battery charging temperature control

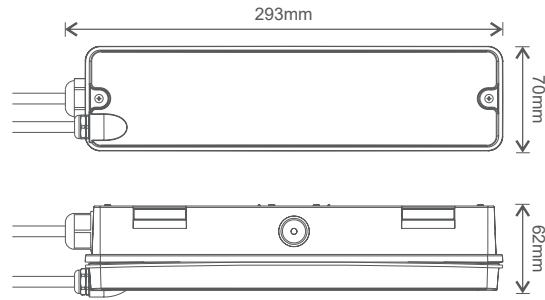
Specifications

Order Code	OBX05-XX/DA	
Output Wattage	5W	
Input Voltage	220-240Vac 50/60Hz	
Input Current (max)	30mA	
Output Voltage	30-300Vdc	
Output Current	13-130mA	
Open Circuit Voltage	310Vdc	
Working Voltage (max)	310Vdc	
Protection	IP65, Class II, Independent Driver	
Input to Output Protection	Double Insulation	
Emergency Operation Time	> 1.5h / >3h	
Emergency Conversion Time	< 1s	
Test Function	Self-tset / Manual	
Input Connection	Wiring leads	
Output Connection	Wiring leads with connector	
Maximum Case Temp.	75°C	
Ambient Temp. Range	0 to 50°C	
Battery Model	2IFpR19/66 2.0Ah 6.4V (5W, 1.5h)	2IFpR27/72 4.0Ah 6.4V (5W, 3h)
Battery Type	LiFePO4 18650	LiFePO4 26700
Battery Capacity	2000mAh	4000mAh
Battery Voltage	6.4V	6.4V
Battery Charge Voltage	7.3V	7.3V
Battery Charge Current	Max.320mA	Max.320mA
Battery Discharge Voltage	5.0-7.2V	5.0-7.2V
Battery Discharge Current	750-870mA	750-870mA
Charging Time	24h	
Charge Temperature Range Tcmin-Tcmax	0 to 65°C	

Order Code



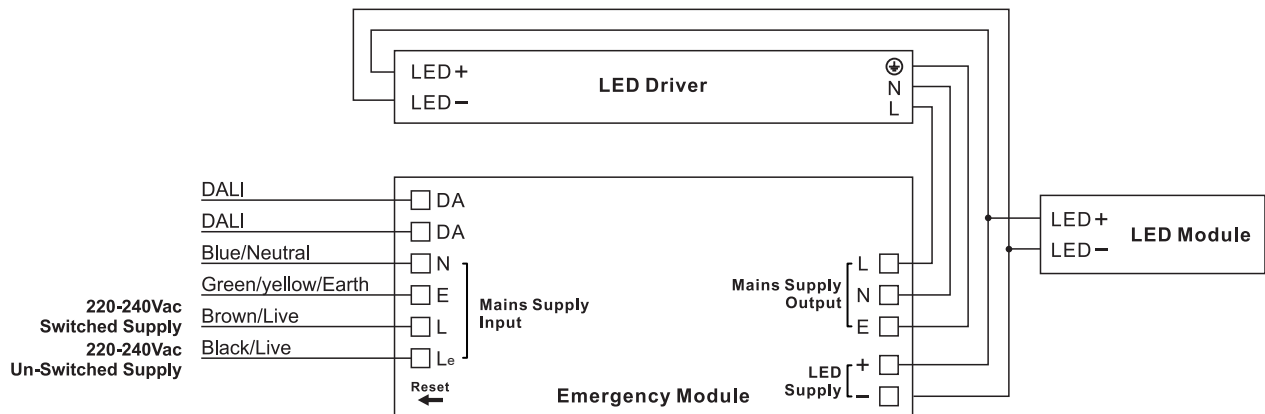
Dimension



Customizable Accessories

Type	Description
3 PIN Water-proof connector	3 PIN IP68 water-proof connector for connecting emergency module to driver
5 PIN Water-proof connector	5 PIN IP68 water-proof connector for connecting emergency module to mains supply
Surface Mounted Bracket	Bracket for Surface Mounted

Wiring Diagram



Draco

Manual/Selftest/DALI-2 IP65 non-maintained emergency light for LED high bay

- Easy to install on LED high bay
- Non-maintained, >3h duration
- IP65



- 5** 5 Years Product Warranty
- 1000V** Surge Protection



General Specification

Input Voltage	220-240Vac 50/60Hz
Input Current (max)	21mA
Lifetime	50,000h
Emergency Conversion Time	<1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



LED Indicator

● ————— System Healthy	● ————— Battery Charging Fault
* - - - - - 1/2 s Duration Test Pending	* - - - - - 1/4 s Battery Duration Fault
* - - - - - 1/4 s Duration Test Running	* - - - - - 1/8 s Lamp or Luminaire Fault
* - - - - - 1/8 s Functional Test Running	
* - - - - - 1/10 s Inhibit Mode Activated (DALI version)	

● Continuous On - - - - - On
 * Flash - - - - - Off

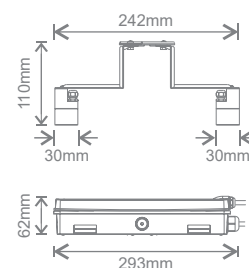
Manual/Self-test/DALI-2

Order Code	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
DRA05 DRA05/ST DRA05/DA	4W	5W	45°	5000K	600lm

Order Code

DRA05
DRA05/ST
DRA05/DA

Dimensions



5 5 Years
Product Warranty

1000V
Surge Protection



General Specification

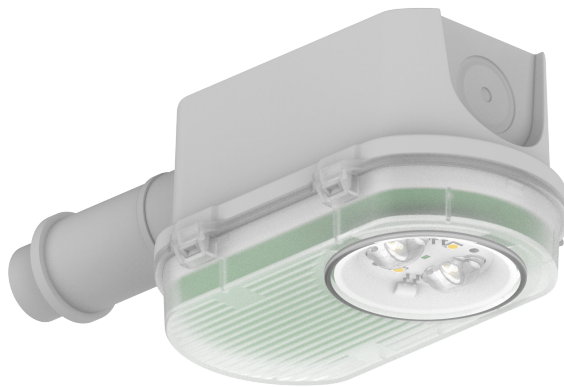
Input Voltage 220-240Vac
50/60Hz
Input Current (max) 20mA
Lifetime 50,000h
Emergency Conversion Time < 1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0-50°C



Mensa

Manual/Selftest/DALI-2 IP65 side-mount
EM module for linear luminaires

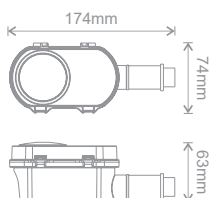
- Non-maintained, >3hrs
- 20mm Conduit entry
- IP65



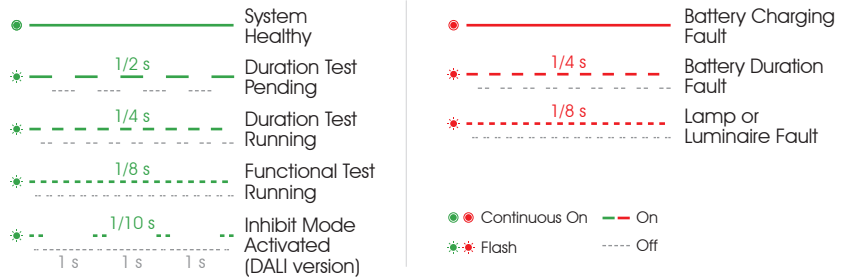
Order Code

MEN01
MEN01-GRY
MEN01/SS
MEN01/SS-GRY
MEN01/DA
MEN01/DA-GRY

Dimensions



LED Indicator



Manual/Self-test/DALI-2

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
MEN01	White			Adjustable		
MEN01/SS		2.5W	1.5W	115° and 70°x140°	6000K	160lm
MEN01/DA	Grey					

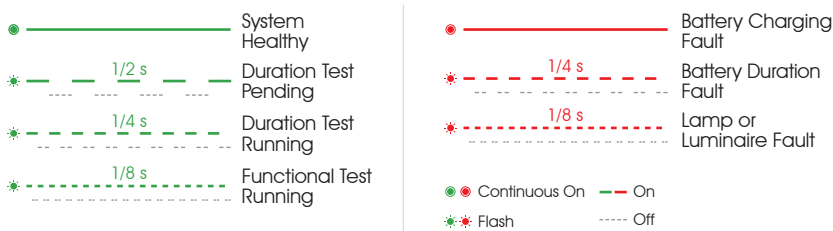
Cetus Mini

Manual/Self-test IP65 LED emergency exit sign bulkhead

- Maintained and non-maintained option
 - 20mm Conduit entry
- IP65 and IK10 (vandal resistant) for internal & external uses
- Dual entry push-wire terminal block for easy loop-in loop-out wiring



LED Indicator



- 5** 5 Years Product Warranty
- 1000V** Surge Protection

General Specification

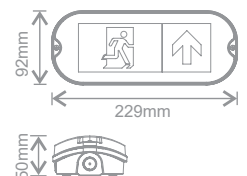
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	40mA
Lifetime	50,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



Order Code

CET01M
CET01M/ST

Dimensions



Manual (All exit signs included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen
CET01M	4W	1W	6500K	50lm

Self-test (All exit signs included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen
CET01M/ST	5W	1.5W	6500K	80lm

5 5 Years
Product Warranty

1000V
Surge Protection



Black finish

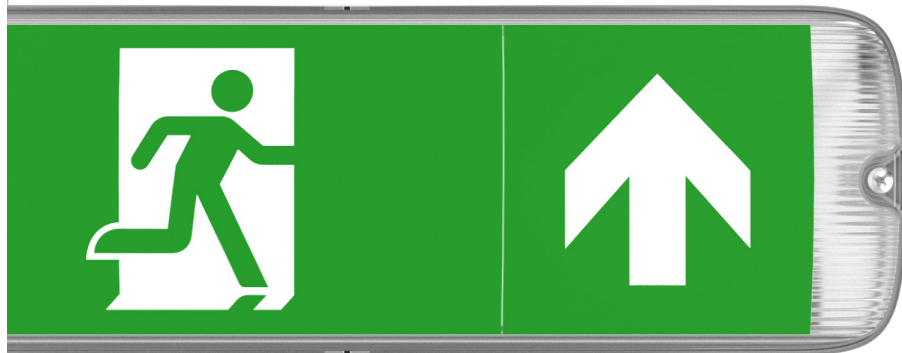
Cetus

Manual/Self-test/DALI-2 IP65 LED emergency exit sign bulkhead

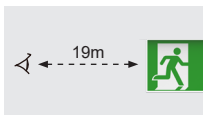
- Maintained and non-maintained option
- 20mm Conduit entry
- IP65 and IK10 (vandal resistant) for internal & external uses
- Dual entry push-wire terminal block for easy loop-in loop-out wiring

General Specification

Input Voltage 220-240Vac
50/60Hz
Input Current (max) 40mA
Lifetime 50,000h
Emergency Conversion Time < 1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0-50°C



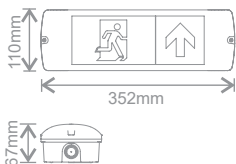
▲ Rotatable arrow sign



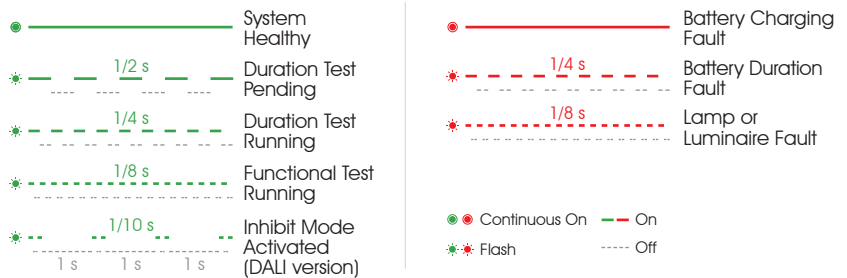
Order Code

CET01
CET01-BLK
CET01/ST
CET01/ST-BLK
CET01/DA
CET01/DA-BLK

Dimensions



LED Indicator



Manual/Self-test/DALI-2 (All exit signs included)

Order Code	Finish	Input Power (max)	Emergency Output Power	CCT	Lumen
CET01	White				80lm
CET01/ST		5W	1.5W	6500K	
CET01/DA	Black				60lm

Not for sale or use in UK

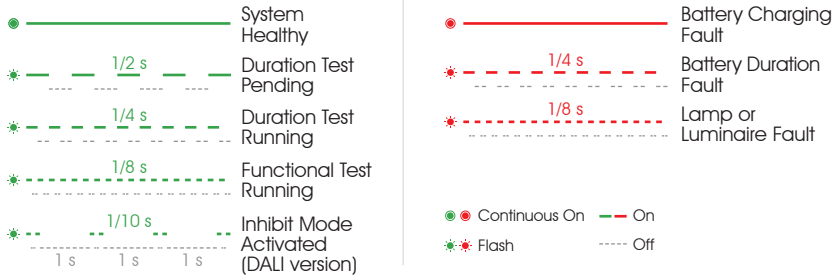
Volans

Manual/Self-test/DALI-2 exit sign with multiple mounting positions

- 7 mounting positions
- Integrated mounting clips
- Maintained or non-maintained operation
 - Different exit sign plates available
- 3 circuit track-mount version is available as separate model



LED Indicator

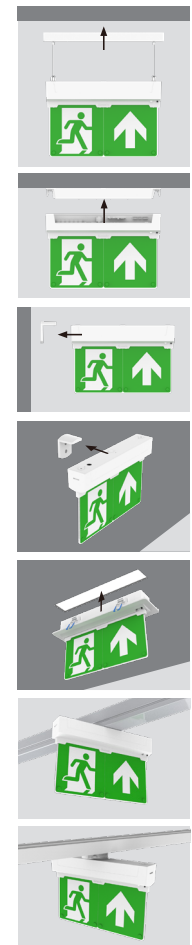


Manual/Self-test/DALI-2 (All exit signs included)

Order Code	Mount Type	Input Power (max)	Emergency Output Power	CCT	Lumen
VOL01 VOL01/ST VOL01/DA	Surface & Recessed				
VOL01-C3 VOL01-C3/ST	Track (4-wire,3-circuit)	4W	1W	6500K	30lm
VOL01-C3/DA	Track (6-wire,3-circuit)				

5 5 Years Product Warranty

1000V Surge Protection



General Specification

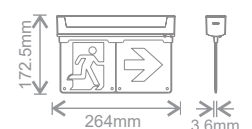
Input Voltage 220-240Vac
50/60Hz
Input Current (max) 30mA
Lifetime 50,000h
Emergency Conversion Time < 1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0-50°C



Order Code

VOL01
VOL01/ST
VOL01/DA
VOL01-C3
VOL01-C3/ST
VOL01-C3/DA

Dimensions



5 5 Years
Product Warranty

1000V
Surge Protection



General Specification

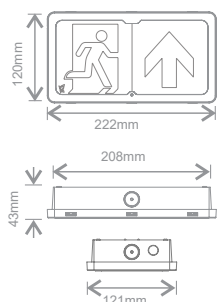
Input Voltage 220-240Vac
50/60Hz
Input Current (max) 40mA
Lifetime 109,000h
Emergency Conversion Time <1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0-50°C



Order Code

PAV01
PAV01/ST
PAV01/DA

Dimensions

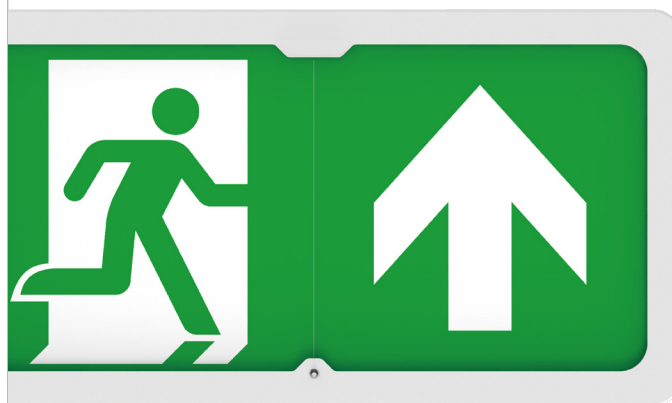


Not for sale
or use in UK

Pavo

Manual/Self-test/DALI-2
IP65 LED emergency exit sign bulkhead

- Used as an emergency exit sign as well as an emergency light
- Maintained and non-maintained option
- Surface-mounting positions
- IP65 and IK10 (vandal resistant) for external uses
- BESA box fitting points



▲ Rotatable arrow sign



LED Indicator

● System Healthy
* 1/2 s Duration Test Pending
* 1/4 s Duration Test Running
* 1/8 s Functional Test Running

● Battery Charging Fault
* 1/4 s Battery Duration Fault
* 1/8 s Lamp or Luminaire Fault
● Continuous On — On
* Flash - - - - Off

Manual/Self-test/DALI-2

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen
PAV01 PAV01/ST PAV01/DA	5W	1.5W	6500K	80lm (with legend) 160lm (without legend)

Accessory

Order Code	Description
PAVT-WHT	Clip-on rectangle ring, white finish
PAVT-BLK	Clip-on rectangle ring, matt black finish

Not for sale
or use in UK

Lyra

Manual/Self-test IP65 multi-purpose emergency exit bulkhead

- Used as emergency exit sign as well as emergency light
 - Maintained and non-maintained option
 - Surface and recessed mounting positions
 - Hanging exit sign plate available
- IP65 and IK10 (vandal resistant) for external uses

5 5 Years
Product Warranty

1000V
Surge Protection

Wall-mount



Tilt wall-mount



Both up and down legends
included



General Specification

Input Voltage	220-240Vac 50/60Hz
Input Current (max)	40mA
Lifetime	50,000h
Emergency Conversion Time	<1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



Manual
Emergency

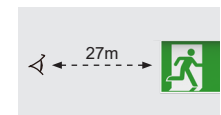


Self-test
Emergency

LED Indicator

●	—	System Healthy
* —	1/2 s	Duration Test Pending
* —	1/4 s	Duration Test Running
* —	1/8 s	Functional Test Running

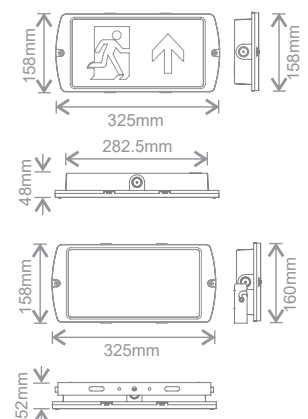
●	—	Battery Charging Fault
* —	1/4 s	Battery Duration Fault
* —	1/8 s	Lamp or Luminaire Fault
●	—	Continuous On
●	—	On
* —	—	Flash
—	—	Off



Order Code

LYR01
LYR01/ST
LYR-ESL
LYR-ESR
LYR-BKT

Dimensions



Manual/Self-test (Exit sign up & down included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen
LYR01 LYR01/ST	5W	1.5W	6500K	60lm Emergency 150lm Lighting

Accessories (Wall-mount)

Order Code	Description
LYR-ESL	Exit Sign Left
LYR-ESR	Exit Sign Right

Accessory (Tilt wall-mount)

Order Code	Description
LYR-BKT	Wall-mount tilting bracket

5 5 Years
Product Warranty

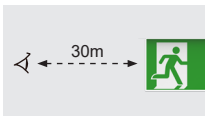
2000V
Surge Protection
(L to GND)



Under lights

General Specification

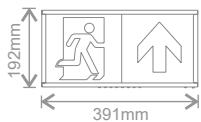
Input Voltage 220-240Vac
50/60Hz
Input Current (max) 40mA
Lifetime 50,000h
Emergency Conversion Time <1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0-50°C



Order Code

LEP01
LEP01/ST
LEP01/DA

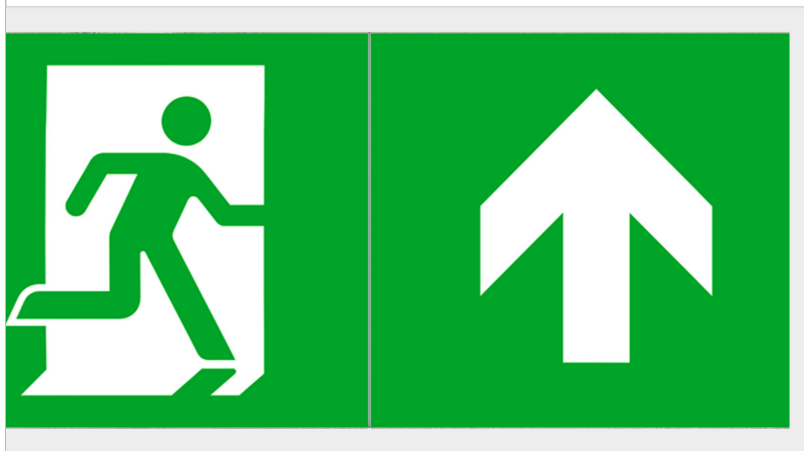
Dimensions



Lepous

Manual/Self-test/DALI-2 LED exit sign box

- Hidden slot at the frame for attaching exit sign film
- Maintained and non-maintained option



▲ Rotatable arrow sign



Manual
Emergency



Self-test
Emergency



DALI-2
Emergency

LED Indicator

● System Healthy
* 1/2 s Duration Test Pending
* 1/4 s Duration Test Running
* 1/8 s Functional Test Running
* 1/10 s Inhibit Mode Activated (DALI version)

● Battery Charging Fault
* 1/4 s Battery Duration Fault
* 1/8 s Lamp or Luminaire Fault

● Continuous On - - - - On
* Flash - - - - Off

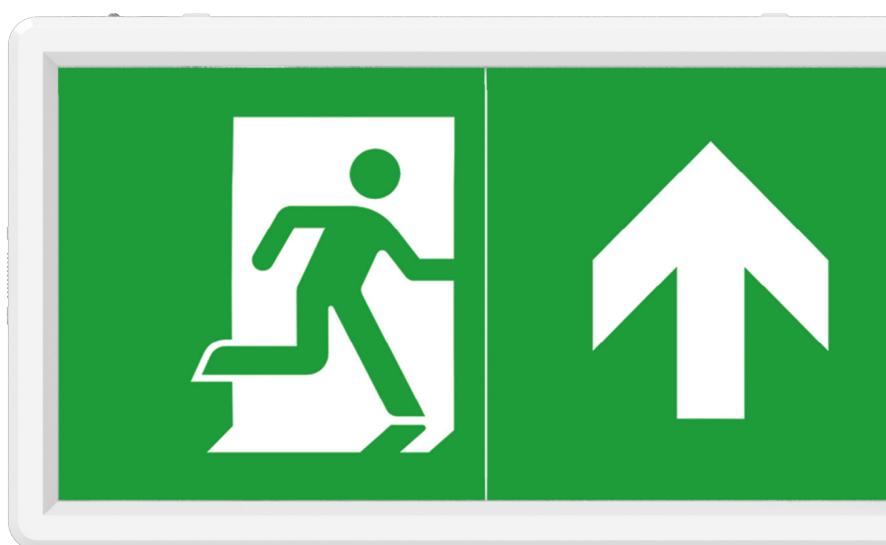
Manual/Self-test/DALI-2 (All exit signs included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen
LEP01 LEP01/ST LEP01/DA	5W	1.5W	6500K	40lm

Grus

Manual/Self-test LED panel exit sign box

- Slim profile LED panel
 - Uniform back light
- Hidden slot on the frame for attaching the exit sign sheet
 - Maintained and non-maintained option



LED Indicator

- System Healthy
- * 1/2 s Duration Test Pending
- * 1/4 s Duration Test Running
- * 1/8 s Functional Test Running

- Battery Charging Fault
- * 1/4 s Battery Duration Fault
- * 1/8 s Lamp or Luminaire Fault

- Continuous On - On
- * Flash - Off

Manual/Self-test (All exit signs included)

Order Code	Input Power (max)	Emergency Output Power	CCT	Lumen
GRU01 GRU01/ST	5W	1.5W	6500K	80lm

- 5** 5 Years Product Warranty
- 2000V** Surge Protection (L to GND)



Under lights

General Specification

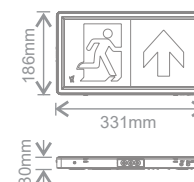
Input Voltage	220-240Vac 50/60Hz
Input Current (max)	40mA
Lifetime	50,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



Order Code

GRU01
GRU01/ST

Dimensions



5 5 Years
Product Warranty

1000V
Surge Protection

Norma

Manual/Self-test IP65 high output emergency bulkhead

General Specification

Input 220-240Vac
Voltage 50/60Hz
Input Current (max) 60mA
Life Time 50,000h
Emergency Conversion Time <1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0°C to 50°C



- High emergency output of 1000lm
- Maintained and non-maintained option
- Trunking, surface and recessed-mounting positions
- IP65 and IK10 (vandal resistant) for external uses
- BESA box fitting points



Trunking-mount



Recessed ceiling-mount



Surface ceiling-mount



Standard
Emergency



Self-test
Emergency

LED Indicator

- System Healthy
- * — 1/2 s — Duration Test Pending
- * — 1/4 s — Duration Test Running
- * — 1/8 s — Functional Test Running

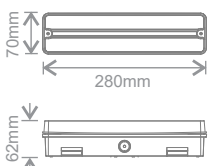
- Battery Charging Fault
- * — 1/4 s — Battery Duration Fault
- * — 1/8 s — Lamp or Luminaire Fault

● Continuous On — On
* Flash — Off

Order Code

NOR08
NOR08/ST
NOR-REC

Dimensions



Manual/Self-test

Order Code	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
NOR08 NOR08/ST	8W	8W	90°	6500K	1000lm Emergency 500lm Lighting

Accessory

Order Code	Description
NOR-REC	Recessed installation kit

Not for sale
or use in UK

Orion

Manual/Self-test/DALI-2 high-efficient twin spot LED emergency light

- Non-maintained (3W)
- Maintained and non-maintained options (6W)
- Twin fully adjustable heads allow best light coverage
 - IP65, IK10
- Options of white and black finish



- 5** 5 Years Product Warranty
- 1000V** Surge Protection



Black finish



Mounting on trunking

General Specification

Input Voltage	220-240Vac 50/60Hz
Input Current (max)	35mA (3W) 65mA (6W)
CRI	80
Life Time	50,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



Manual
Emergency

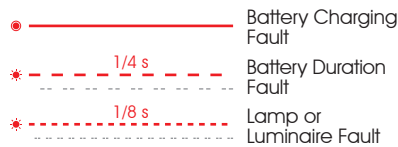
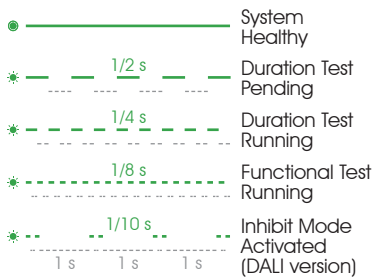


Self-test
Emergency



DALI-2
Emergency

LED Indicator



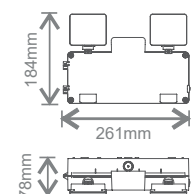
● Continuous On - - - - - On
* Flash - - - - - Off



Order Code

- ORIO3
- ORIO3-BLK
- ORIO3/ST
- ORIO3/ST-BLK
- ORIO3/DA
- ORIO3/DA-BLK
- ORIO6
- ORIO6-BLK
- ORIO6/ST
- ORIO6/ST-BLK

Dimensions



Manual/Self-test/DALI-2

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
ORIO3	White	3.5W	3W	110°	6500K	420lm
ORIO3/ST	Black					400lm
ORIO3/DA						750lm Emergency 880lm Lighting
ORIO6	White	6.5W	6W	110°	6500K	700lm Emergency 830lm Lighting
ORIO6/ST	Black					700lm Emergency 830lm Lighting
ORIO6/DA						700lm Emergency 830lm Lighting

- 5** 5 Years Product Warranty
- 1000V** Surge Protection



Push-wire terminal block included

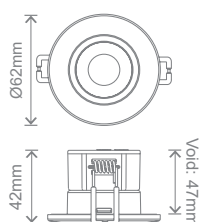
General Specification

Input Voltage	220-240Vac 50/60Hz
Input Current (max)	15mA
Lifetime	50,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



Order Code
ARA01

Dimensions



Ara

Non-maintained emergency fire-rated downlight

- Interchangeable magnetic bezels with different finishes
- Can be installed under Insulation layer with void of 47mm
- Compact size
- Non-maintained, >3hrs



Interchangeable bezels



Brass



Matt black



Polished chrome



Satin chrome



Antique brass

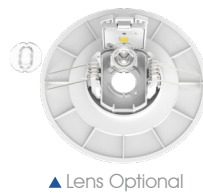
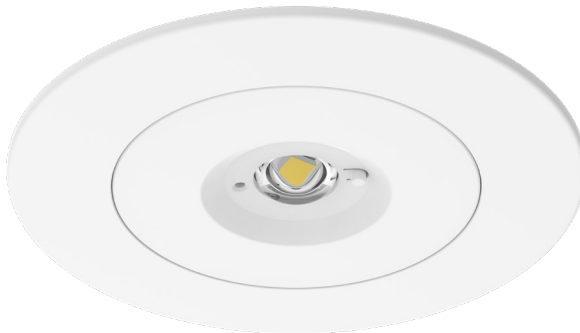
Order Code	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
ARA01	2W	1.3W	45°	6500K	160lm

Apus Pro Recessed

Manual/Self-test/DALI-2
Non-maintained emergency downlight

- Non-maintained, >3hrs
- Supplied with interchangeable standard and corridor lens
 - Available in white or black
- For cut outs 50-90mm in diameter

50-90mm
Cut-out



▲ Lens Optional



Manual
Emergency

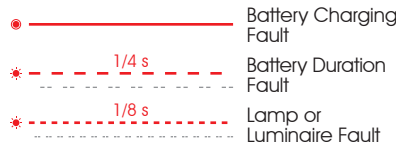
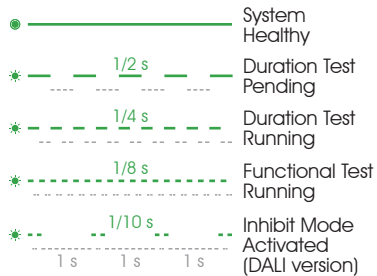


Self-test
Emergency



DALI-2
Emergency

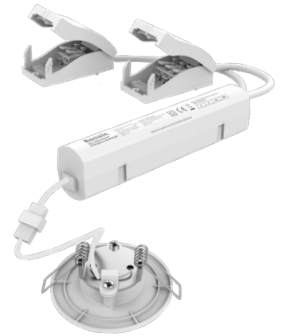
LED Indicator



● Continuous On --- On
* Flash ---- Off

5 5 Years
Product Warranty

⚡ 1000V
Surge Protection



Push-wire terminal block
included

General Specification

Input Voltage	220-240Vac 50/60Hz
Input Current (max)	20mA
Lifetime	77,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



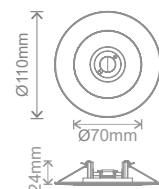
Order Code

APUP01R
APUP01R-BLK
APUP01R/ST
APUP01R/ST-BLK
APUP01R/DA
APUP01R/DA-BLK

Manual/Self-test/DALI-2

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
APUP01R APUP01R/ST APUP01R/DA	White Black	2.5W	1.5W	140° 80°x140°	6000K	200lm

Dimensions



Not for sale
or use in UK

5 5 Years
Product Warranty

1000V
Surge Protection

Apus Recessed

Non-maintained emergency downlight

- Standard and corridor version with different lens
- Non-maintained, >3hrs



Push-wire terminal block
included

General Specification

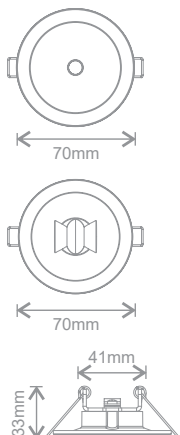
Input Voltage 220-240Vac
50/60Hz
Input Current (max) 20mA
Lifetime 50,000h
Emergency Conversion Time < 1s
Emergency Operation Time 3h
Charging Time 24h
Ambient Temp 0-50°C



Order Code

APU01R
APU01R-BLK
APU01R/COR

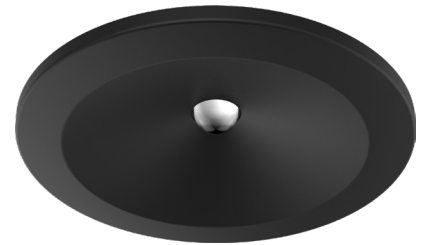
Dimensions



50mm
Cut-out



▲ Standard White



▲ Standard Black



▲ Corridor White



Manual
Emergency

Standard Lens

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
APU01R	White	2.5W	1.5W	45°	6000K	150lm
	Black					130lm

Corridor Lens

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
APU01R/COR	White	2.5W	1.5W	25° Transverse 120° Axial	6000K	200lm

Not for sale or use in UK

Apus Recessed

Self-test/DALI-2 non-maintained emergency downlight

- Non-Maintained, >3hrs
- Built-in LED status indicator

58mm
Cut-out



5 5 Years
Product Warranty

1000V
Surge Protection



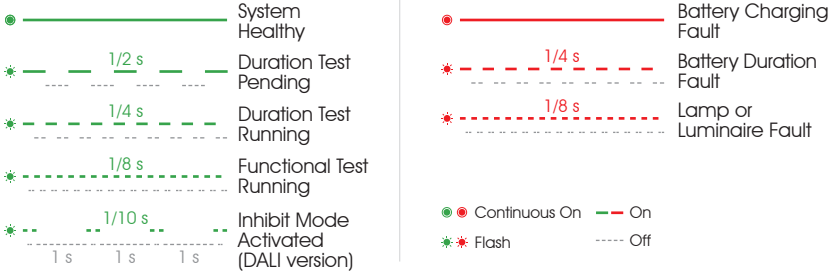
Push-wire terminal block included

General Specification

Input Voltage	220-240Vac 50/60Hz
Input Current (max)	20mA
Lifetime	50,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0-50°C



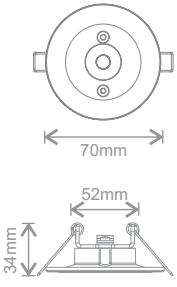
LED Indicator



Self-test/DALI-2

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
APU01R/ST APU01R/DA	White	2.5W	1.5W	45°	6000K	150lm

Dimensions



Not for sale or use in UK

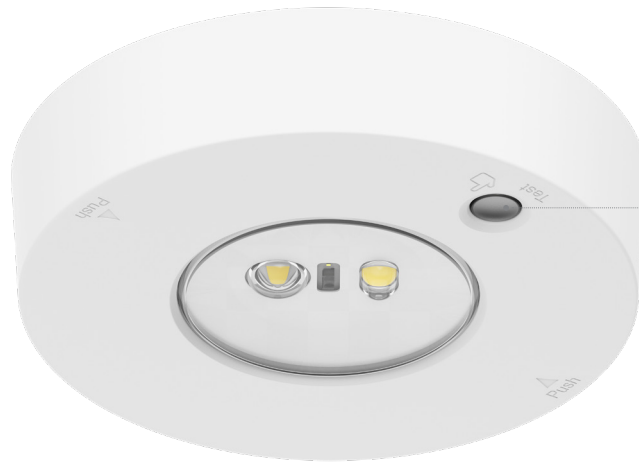
Apus Surface

Manual/Self-test/DALI-2 surface-mounted non-maintained emergency downlight

- 5** 5 Years Product Warranty
- 1000V** Surge Protection



- Slim profile
- Non-maintained, 3hrs
- Optional rings available in black and white
- Adjustable beam angle



Push switch

	FUNCTIONAL TEST
	DURATION TEST
	INDICATOR DIMMING

General Specification

Input Voltage	220-240Vac
Input Current (max)	20mA
Lifetime	77,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0°C to 50°C

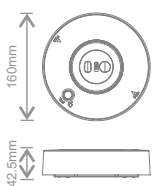


Order Code

APU01S
APU01S/ST
APU01S/DA

APUCT-BLK
APUST-BLK
APUST-WHT

Dimensions



LED Indicator

	System Healthy		Battery Charging Fault
	Duration Test Pending		Battery Duration Fault
	Duration Test Running		Lamp or Luminaire Fault
	Functional Test Running		
	Inhibit Mode Activated (DALI version)		

Continuous On On
 Flash Off

Manual/Self-test/DALI-2

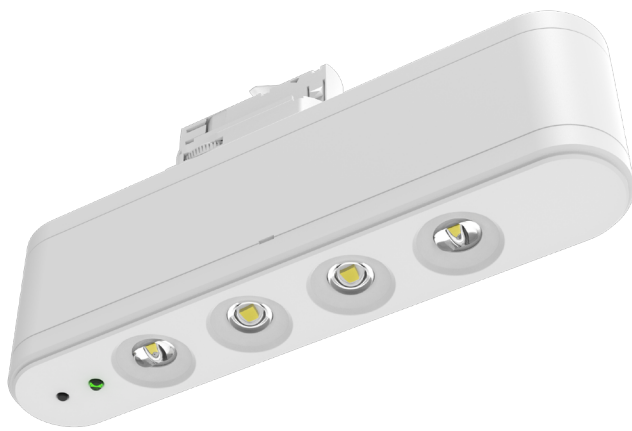
Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
APU01S APU01S/ST APU01S/DA	White	2.5W	1.5W	Adjustable 140° and 80x140°	6500K	150lm

Not for sale
or use in UK

Vela

Manual/Self-test/DALI-2 track-mount LED emergency light

- Adjustable beam angle
 - Non-maintained, 3hrs
- Options of white and black finish
- Simply clip onto existing three circuit track system for instant emergency lighting solution



Manual
Emergency



Self-test
Emergency

LED Indicator

- System Healthy
- * 1/2 s Duration Test Pending
- * 1/4 s Duration Test Running
- * 1/8 s Functional Test Running

- Battery Charging Fault
- * 1/4 s Battery Duration Fault
- * 1/8 s Lamp or Luminaire Fault

- Continuous On
- On
- * Flash
- Off

Manual/Self-test/DALI-2

Order Code	Finish	Input Power (max)	Emergency Output Power	Beam Angle	CCT	Lumen
VELO5 VELO5/ST VELO5/DA	White	3W	5W	Adjustable 120° 70°×140° 120°×140°	6500K	460lm
	Black					

5 5 Years
Product Warranty

1000V
Surge Protection



General Specification

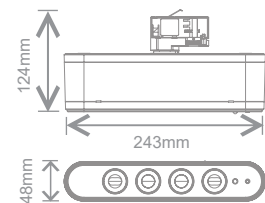
Input	230Vac
Voltage	50/60Hz
Input Current (max)	25mA
Lifetime	50,000h
Emergency Conversion Time	< 1s
Emergency Operation Time	3h
Charging Time	24h
Ambient Temp	0°C to 50°C



Order Code

VELO5
VELO5/ST
VELO5/DA
VELO5-BLK
VELO5/ST-BLK
VELO5/DA-BLK

Dimensions



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