



2026

# **CATALOG**

## **EMERGENCY LIGHTING & BATTERY**



**ACCENTA HEAD OFFICE**  
Jl. Gunung Sahari Raya, No.41. Jakarta Pusat 10720  
Tel +62 21 659 2031/ +62 882 1202 4232  
[www.accentaenergy.com](http://www.accentaenergy.com)

# CONTENTS



About Us	1
Certificate and Standard	2
Pendant Exit Light	3
Recessed Mounted Exit Light	4
Surface Mounted Exit Light	5
Wall Mounted Exit Light	6
Emergency Explosion-Proof Light	7
Bulkhead Emergency Light	8
Emergency Recessed Downlight	9
Surface Mounted Emergency Light	10

# CONTENTS



**AXL-W30**

Twinspot Emergency Light	11
--------------------------	----



**AXL-W31**

Twinspot Emergency Light	12
--------------------------	----

Emergency Battery	13
-------------------	----



**AEL-B100,  
AEL-B200**

Emergency Battery 4 W & 10 W	15
------------------------------	----



**AEL-B300,  
AEL-B400**

Emergency Battery 15 W & 20 W	16
-------------------------------	----



**AEL-B800,  
AEL-B1000**

Emergency Battery 40 W & 50 W	17
-------------------------------	----



**AEL-B1800**

Emergency Battery 100 W	18
-------------------------	----

Emergency Lighting Monitoring	19
-------------------------------	----

Design of Emergency Escape	21
----------------------------	----

Project Reference	23
-------------------	----

# ABOUT US | COMPANY PROFILE

Having established in 2017, ACCENTA introduce the best solution for lighting and safety of your building electricity management.

As nowadays, LED Lighting Dominates the market, Accenta also focus on reliable emergency battery for LED that is safe, reliable and cost efficient. The quality and range of our products can also match any application and requirement the buildings and factories require, from lighting, exit lighting, to emergency battery.

Additionally, our team provides design and service for new sites as well as maintenance support for your buildings.

## VISION

1. Preferred and leading solution providers
2. Partners that delivers best quality
3. Sustainability profitable and high growth

## MISSION

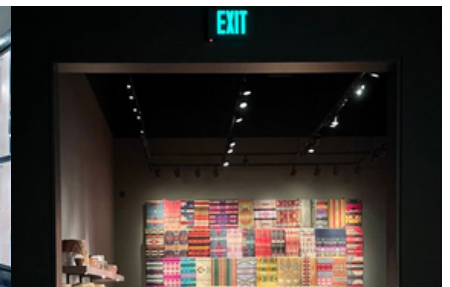
1. Provide best solution, services in class that add values customers & stakeholders.
2. Strong partnership & networks.
3. Professional, accelerating organization.



Offices and communication



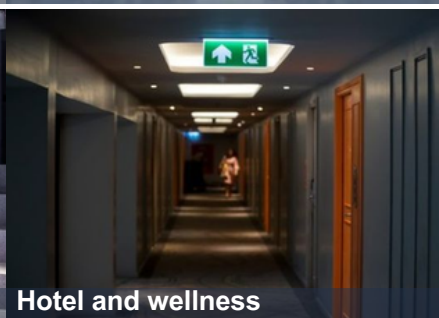
Education and health care



Art and culture



Presentation and retail



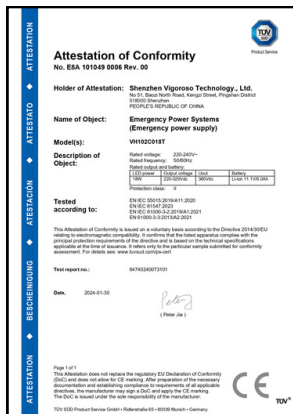
Hotel and wellness



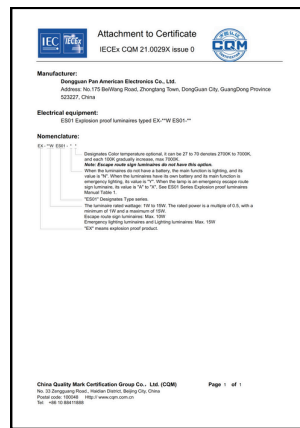
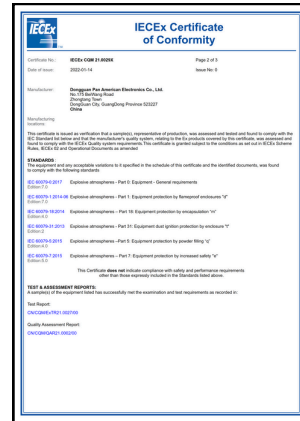
Industry



( Certification TKDN )



( Certification Attestation of conformity )



(INTERNATIONAL ELECTROTECHNICAL COMMISSION  
IEC Certification System for Explosive Atmospheres)



## Website and Product Database

Accenta website includes all relevant information, from product description, technical data and dimensional information. For each product, the data sheet in PDF format is available for downloading.

## Customize / Modified Product

High-grade, energy-efficient buildings are planned and managed using this powerful software. In the process, designs are modified or re-designed by simply clicking or using the drag&drop function. For a number of luminaires, 3D files for Autodesk Revit area available, including extensive product information such as dimensions and energy consumption. As soon as the luminaires are positioned, the beam patterns are displayed and the installed load is calculated.

## Emergency Control System

Lighting control is an essential requirement for effective emergency lighting installations. Through regular testing, and a range of monitoring and maintenance tools, we are control solution ensures that emergency lights function correctly around the clock so that occupants can evacuate safely in an emergency.

- Control system features
- System monitoring and reporting
- Schedule emergency tests
- Simple reconfiguration
- End-of-life notification



# EXIT LIGHT AXL-P219

**MODEL NO : AXL-P219**

Light Source : 16pcs SMD LED

Lumen Output : 40lm

Wattage : 3W

Supply Voltage : AC230V±10%

Battery : LiFePO4

Rated Duration : 3 hours

Charge : 24 hours charging time

Temperature : 0-45°C

Mounting : Hanging Recessed/  
Surfaced

Material : Aluminum and Acrylate

Viewing Distance : 24 m

- Laser printing technology
- Excellent light transmittance
- Dedicated for small and medium-sized public buildings
- Adjustable legend for drop sign
- Changeable legend
- Ni-Cd/LiFePO4 battery available
- Selftest option available
- Working temperature: 0-45°C
- DALI version available on request
- IK06



IP  
20

PC

M/  
NM

## Ordering Guide

Legend	Hanging Recessed	Hanging Surfaced
	AXL-P219/HR00	AXL-P219/HS00
	AXL-P219/HR01	AXL-P219/HS01
	AXL-P219/HR02	AXL-P219/HS02
	AXL-P219/HR03	AXL-P219/HS03
	AXL-P219/HR20	AXL-P219/HS20
	AXL-P219/HR21	AXL-P219/HS21
	AXL-P219/HR22	AXL-P219/HS22
	AXL-P219/HR23	AXL-P219/HS23
	AXL-P219/HR24	AXL-P219/HS24



# EXIT LIGHT AXL-P230



## MODEL NO : AXL-P230

Light Source	: 16pcs SMD LED
Lumen Output	: 40lm
Wattage	: 3W
Supply Voltage	: AC230V±10%
Battery	: LiFePO4
Rated Duration	: 3 hours
Charge	: 24 hours charging time
Temperature	: 0-45°C
Mounting	: Recessed/Hanging
Material	: Aluminum and Acrylate
Viewing Distance	: 24 m

- Laser printing technology
- Excellent light transmittance
- Dedicated for small and medium-sized public buildings
- Adjustable legend for drop sign
- Changeable legend
- Ni-Cd/LiFePO4 battery available
- Selftest option available
- Working temperature: 0-45°C
- DALI version available on request
- IK06



PC

M/NM

## Ordering Guide

Legend	Hanging Recessed	Hanging Surfaced
	AXL-P219/HR00	AXL-P219/HS00
	AXL-P219/HR01	AXL-P219/HS01
	AXL-P219/HR02	AXL-P219/HS02
	AXL-P219/HR03	AXL-P219/HS03
	AXL-P219/HR20	AXL-P219/HS20
	AXL-P219/HR21	AXL-P219/HS21
	AXL-P219/HR22	AXL-P219/HS22
	AXL-P219/HR23	AXL-P219/HS23
	AXL-P219/HR24	AXL-P219/HS24



Cut out size: Φ310x50mm



# EXIT LIGHT AXL-P220



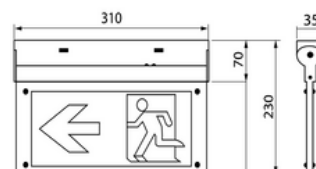
## MODEL NO : AXL-P220

Light Source	: 16pcs SMD LED
Lumen Output	: 40lm
Wattage	: 3W
Supply Voltage	: AC230V±10%
Battery	: LiFePO4
Rated Duration	: 3 hours
Charge	: 24 hours charging time
Temperature	: 0-45°C
Mounting	: Surface Mounted
Material	: Aluminum and Acrylate
Viewing Distance	: 24 m

## Ordering Guide

Legend	Recessed	Surfaced	Wall
	AXL-P220/R00	AXL-P220/S00	AXL-P220/W00
	AXL-P220/R01	AXL-P220/S01	AXL-P220/W01
	AXL-P220/R02	AXL-P220/S02	AXL-P220/W02
	AXL-P220/R03	AXL-P220/S03	AXL-P220/W03
	AXL-P220/R20	AXL-P220/S20	AXL-P220/W20
	AXL-P220/R21	AXL-P220/S21	AXL-P220/W21
	AXL-P220/R22	AXL-P220/S22	AXL-P220/W22
	AXL-P220/R23	AXL-P220/S23	AXL-P220/W23
	AXL-P220/R24	AXL-P220/S24	AXL-P220/W24

- Laser printing technology
- Excellent light transmittance
- Dedicated for small and medium-sized public buildings
- Adjustable legend for drop sign
- Changeable legend
- Ni-Cd/LiFePO4 battery available
- Selftest option available
- Working temperature: 0-45°C
- DALI version available on request
- IK06














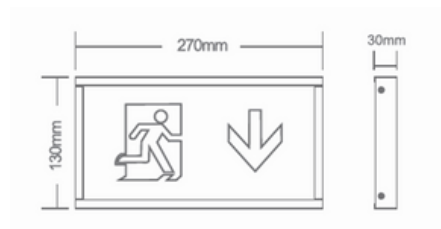
# EXIT LIGHT AXL-W312

<b>MODEL NO</b>	<b>: AXL-W312</b>
Light Source	: 20pcs SMD LED
Lumen Output	: 40lm
Wattage	: 3W
Supply Voltage	: AC230V±10%
Battery	: LiFePO4
Rated Duration	: 3 hours
Charge	: 24 hours charging time
Temperature	: 0-45°C
Mounting	: Wall Mounted
Material	: Polycarbonate
Viewing Distance	: 16 m

- Slim design
- Extra LED for escape route
- Changeable legend
- Self test option available
- Working temperature: 0-45°C
- DALI version available on request
- IK07

## Ordering Guide

Legend	Wall Mounted Box
	AXL-W312/W00
	AXL-W312/W01
	AXL-W312/W02
	AXL-W312/W03
	AXL-W312/W20
	AXL-W312/W21
	AXL-W312/W22
	AXL-W312/W23
	AXL-W312/W24





# EXPLOSION-PROOF EXIT LIGHT AXX-E



## MODEL NO : AXX-E

Certifications	
Global (IECEx)	
Gas	: Ex db eb mb q IIC T4/T5/T6 Gb
Dust	: Ex tb IIC 80°C / 95°C/130°C Db IP66
Rated voltage AC	: 100-277VAC or 100-347VAC
Rated voltage DC	: 12 V - 36 V
Rated frequency	: 50 / 60 Hz
Degree of protection	: IP66
Operation temperature	: -20°C~+60°C (T5 / T95°C) or -20°C~+40°C (T6 / T80°C)
Max surface temperature	: T6 for gas and T80°C for dust
Weight	: approx. 4.32 kg / 9.52 lb
Rated wattage	: Regular wattage in normal mode: 3W Max. wattage in normal mode: 10W
Lifespan	: 50,000 hours
Warranty	: 5 years
Batteries	: 3.7V, 2 A
Cable entry size	: M25×1.5, 3/4 NPT
Stopping plug	: M25×1.5
Emergency time	
Escape route sign luminaires	: 3 hours
Emergency lighting luminaires	: 3 hours
Charging time*	: ≥24 hours
Impact strength (IK code)	: IK08 (IEC 62262)
Installed terminal strip	: PE + N + L
Connection terminals	
solid max	: 4mm <sup>2</sup>
Connection terminals	
finely stranded max	: 2.5mm <sup>2</sup>

- Emergency control power supply specially
- designed for the luminaire. EMC/EMI function.
- 3-hour emergency operation. Central locking is available.
- Label content can be customized.
- Low working wattage for energy saving. Ingress protection rating IP66.
- Each lamp is equipped with a T-shaped unlocking tool that can be used for all lamps.
- DALI version available on request



## Ordering Guide

Legend	Mounted Box
EXIT	AXXE/R00
EXIT▶	AXXE/R01
◀EXIT	AXXE/R02
◀EXIT▶	AXXE/R03
EXIT	AXXE/R20
EXIT▶	AXXE/R21
◀EXIT	AXXE/R22
EXIT▶	AXXE/R23
EXIT	AXXE/R24

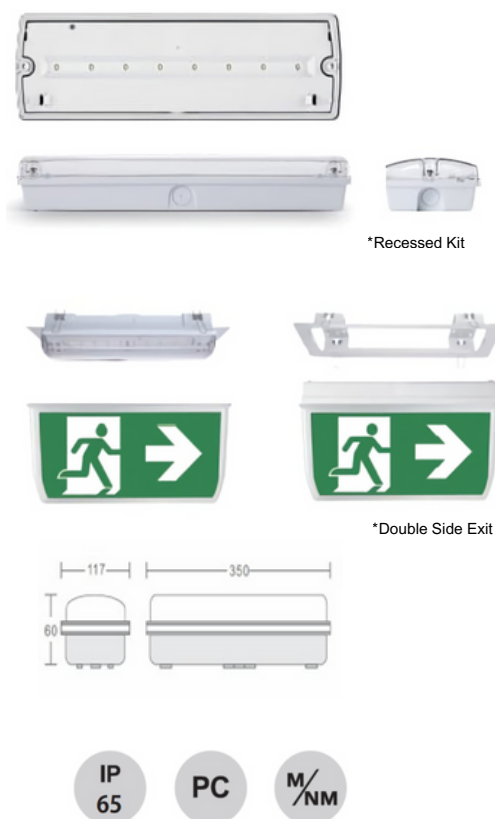


# Bulkhead Emergency Light

## AXL-W820

<b>MODEL NO</b>	<b>: AXL-W820</b>
Light Source	: 8/16/28pcs SMD LED
Lumen Output	: 120/150/180lm
Wattage	: 2.5/3/4W
Battery	: LiFePO4/Ni-Cd
Rated Duration	: 3 hours
Charge	: 24 hours charging time
Mounting	: Recessed/Surface Mounted
Material	: Polycarbonate for complete body IP65

- IP65
- IK07
- Easy installation and maintenance
- Wall mount, flush mount, ceiling surface mount available
- DALI/Self-test central battery options
- Working temperature : 0-45°C
- Maintained & non-maintained modes



# Recessed Emergency Light

## AXL-003B

**MODEL NO** : **AXL-003B**

Light Source : 1x3W LED

Lumen Output : 120lm

Wattage : 3W

Supply Voltage : AC230  $\pm$ 10%

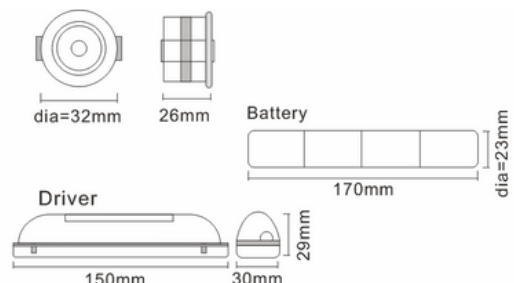
Battery : LiFePO4

Rated Duration : 3 hours

Charge : 24 hours charging time

Material : Aluminum construction  
Compact Design cut out  
45mm

- IP20
- IK08
- Provides illumination for emergency exit routes
- Supplied complete with aluminium, white and black bezels
- LED combines power and green charge indicator
- Non-maintained use only
- Self test function available
- Working temperature : 0-45°C



IP  
20

NM

# Surface Mount Emergency Light

## AXL-003M

**MODEL NO : AXL-003M**

Light Source : 1x3W LED

Lumen Output : 150lm

Wattage : 3W

Supply Voltage : AC230V±10%

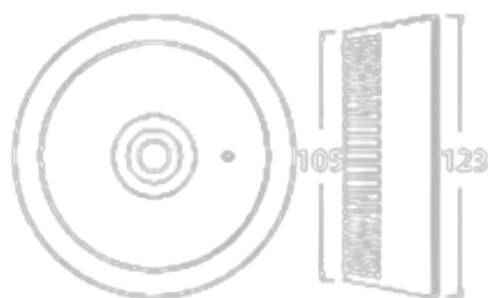
Battery : LiFePO4/Ni-Cd

Rated Duration : 3 hours

Charge : 24 hours charging time

Cut Out Size : 105mm

- IP20
- IK06
- Surface Mount downlight
- Available in black and white finishes
- Non-maintained
- Open area and escape route interchangeable lens
- Working temperature : 0-45°C



IP  
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# Twinspot Emergency Light

## AXL-W30

**MODEL NO** : AXL-W30

Light Source : 2x3LED

Lumen Output : 150lm

Wattage : 2 W

Supply Voltage : AC 230V±10%

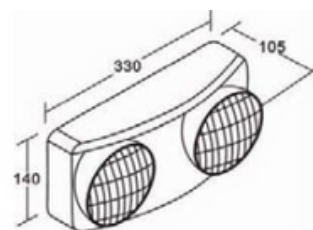
Battery : LiFePO4 / Ni-Cd

Rated Duration : 3 hours

Charge : 24 hours charging time

Material : Polycarbonate

- IP40
- IK07
- Low voltage battery disconnection
- Universal mounting plate for rapid installation
- Adjustable LED Array
- Decorative design ideal for retail
- Polycarbonate body



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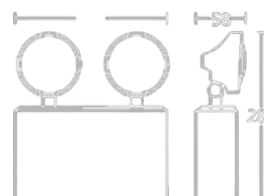
NM

# Twinspot Emergency Light

## AXL-W31

MODEL NO	: AXL-W31
Light Source	: 2x6pcs SMD LED
Lumen Output	: 120lm
Wattage	: 2 W
Supply Voltage	: AC 230V±10%
Battery	: LiFePO4 / Ni-Cd
Rated Duration	: 3 hours
Charge	: 24 hours charging time
Material	: Metal

- IP20
- IK06
- Ideal replacement for traditional twin halogen units
- Non-maintained use only
- 2x2 W for indoor use
- Cost effective



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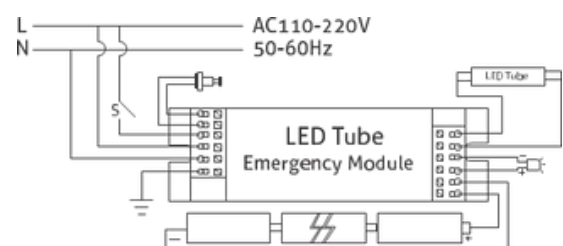
# EMERGENCY BATTERY

**ACCENTA** provides easy, Affordable and Reliable illumination. Our emergency lighting systems provide reliable illumination for up to 3 hours when powered by batteries.

For all you need and range of LED fixture that joint with our product range please see the product specification table below or ask the experts on our company to share which is the best solution.

Battery packs play a pivotal role in all emergency lighting systems. During AC power failure, the battery pack is automatically activated to power up the emergency lights at rated duration to guide occupants to safety.

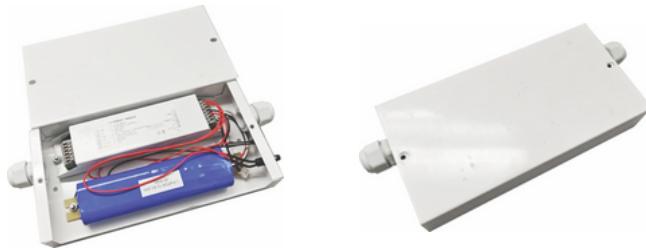
Our rechargeable Li-ON battery are rated to operate at high temperatures to ensure safety during normal and emergency operations. AEL-B800, AEL-B1000 and AEL-B1800 includes the inverter, battery pack and the LED charging indicator.



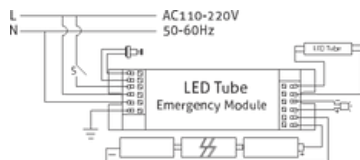
# COMPARE

	AEL-B100	AEL-B200	AEL-B300	AEL-B400	AEL-B800	AEL-B1000	AEL-B1800
Applicable LED Power	4W	10W	15W	20W	40W	50W	100W
LED Driver	External	Internal					
Input Voltage	220-240 V AC						
Output Voltage	10-90V DC	220-320 AC					
Operating Temp C	-5 to 40						
Emergency Time	2 hrs						
Start- Up Charging Time	24 hrs						
Brightness Factor	100%						
Protection Device	Over-Charge, Discharge and Short Circuit Protection						
LED Indicator & Test Switch	Yes						
Modules Lifetime	500 charging cycle						
Battery Type/Capacity	LifePO4 6.4V 1500mAh	LifePO4 12.8V 2000mAh	LifePO4 12.8V 3000mAh	LifePO4 12.8V 4000mAh	LifePO4 12.8V 8000mAh	LifePO4 12.8V 10000mAh	LifePO4 12.8V 18000mAh
Dimention (LxWxH)	200L*100W*33H				330L*100W*40H	240L×110W×115H	
Weight (g)	480 g	630 g	750 g		820 g	1400 g	3000g
Compliance & Standard	EN61347-2-13:2006 EN61347-1:2008 A1:1011 A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013						
Waranty (years)	3 years						

# AEL-B100



Wiring Diagram



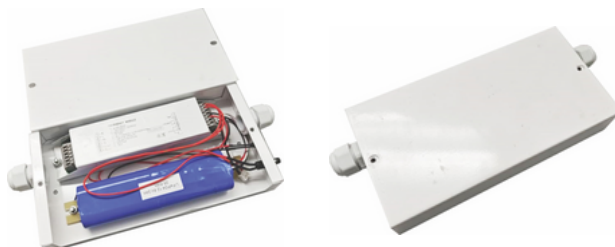
- Compact Design
- Lumen output 140lm
- LifePO4 6.4V 1500mAh
- Working temperature : -5~40



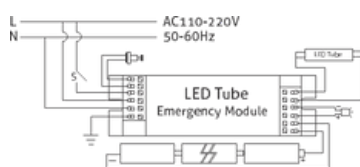
## Technical Specifications

MODEL NO	: AEL-B100
Applicable LED Power	: 4W
LED Driver	: External
Input Voltage	: 220-240 V AC
Output Voltage	: 10-90V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 6.4V 1500mAh
Dimention (LxWxH) in mm	: 200Lx100Wx33H
Weight (g)	: 480 g
Compliance & Standard	: EN61347-2-13:2006 EN61347-1: 2008 A1:2011 A2 :2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# AEL-B200



Wiring Diagram



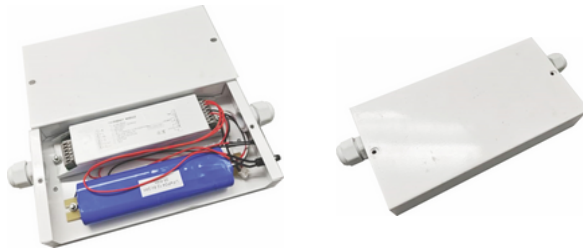
- Compact Design
- Lumen output 140lm
- LifePO4 12.8V 2000mAh
- Working temperature : -5~40



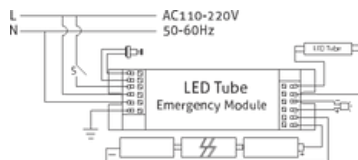
## Technical Specifications

MODEL NO	: AEL-B200
Applicable LED Power	: 10W
LED Driver	: Internal
Input Voltage	: 220-240 V AC
Output Voltage	: 220-320V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 12.8V 2000mAh
Dimention (LxWxH) in mm	: 200Lx100Wx33H
Weight (g)	: 630 g
Compliance & Standard	: EN61347-2-13:2006 EN61347-1:2008 A1:1011A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# AEL-B300



Wiring Diagram



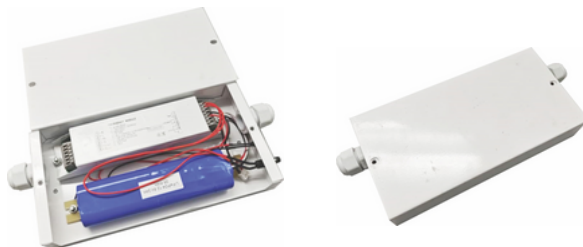
- Compact Design
- Lumen output 140lm
- LifePO4 12.8V 3000mAh
- Working temperature : -5~40



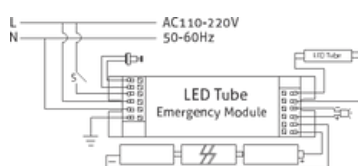
## Technical Specifications

MODEL NO	: AEL-B300
Applicable LED Power	: 15W
LED Driver	: Internal
Input Voltage	: 220-240 V AC
Output Voltage	: 220-320V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 12.8V 3000mAh
Dimention (LxWxH) in mm	: 200Lx100Wx33H
Weight (g)	: 750 g
Compliance & Standard	: EN61347-2-13:2006 EN61347-1:2008 A1:1011A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# AEL-B400



Wiring Diagram



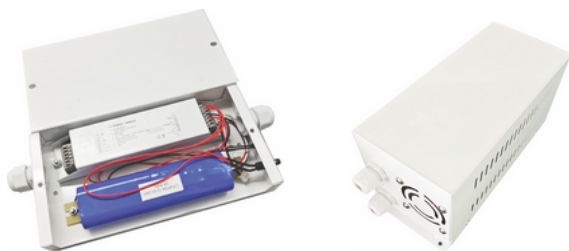
- Compact Design
- Lumen output 140lm
- LifePO4 12.8V 4000mAh
- Working temperature : -5~40



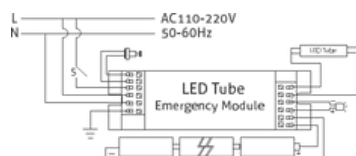
## Technical Specifications

MODEL NO	: AEL-B400
Applicable LED Power	: 20W
LED Driver	: Internal
Input Voltage	: 220-240 V AC
Output Voltage	: 220-320V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 12.8V 4000mAh
Dimention (LxWxH) in mm	: 200Lx100Wx33H
Weight (g)	: 820 g
Compliance & Standard	: EN61347-2-13:2006 EN61347-1:2008 A1:1011A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# AEL-B800



Wiring Diagram



- Compact Design
- Lumen output 140lm
- LifePO4 12.8V 8000mAh
- Working temperature : -5~40



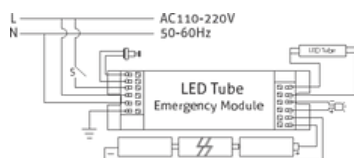
## Technical Specifications

MODEL NO	: AEL-B800
Applicable LED Power	: 40W
LED Driver	: Internal
Input Voltage	: 220-240 V AC
Output Voltage	: 220-320V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 12.8V 8000mAh
Dimention (LxWxH) in mm	: 330Lx100Wx40H
Weight (g)	: 1400 g
Compliance & Standard	: EN61347-2-13:2006 EN61347-1:2008 A1:1011A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# AEL-B1000



Wiring Diagram



- Compact Design
- Lumen output 140lm
- LifePO4 12.8V 10000mAh
- Working temperature : -5~40



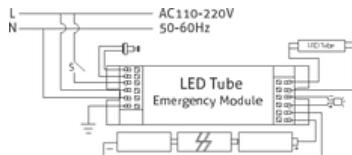
## Technical Specifications

MODEL NO	: AEL-B1000
Applicable LED Power	: 50W
LED Driver	: Internal
Input Voltage	: 220-240 V AC
Output Voltage	: 220-320V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 12.8V 10000mAh
Dimention (LxWxH) in mm	: 240Lx110Wx115H
Weight (g)	: 1800 g
Compliance & Standard	: EN61347-2-13:2006 EN61347-1:2008 A1:1011A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# AEL-B1800



Wiring Diagram



- Compact Design
- Lumen output 140lm
- LifePO4 12.8V 18000mAh
- Working temperature : -5~40



## Technical Specifications

MODEL NO	: AEL-B1800
Applicable LED Power	: 100W
LED Driver	: Internal
Input Voltage	: 220-240 V AC
Output Voltage	: 220-320V
Operating Temp C	: 25 below 0 to 70
Emergency Time	: 2 hrs
Start- Up Charging Time	: 24 hrs
Brightness Factor	: 100%
Protection Device	: Over-Charge, Discharge and Short Circuit Protection
LED Indicator & Test Switch	: Yes
Modules Lifetime	: 500 charging cycle
Battery Type/Capacity	: LifePO4 12.8V 18000mAh
Dimention (LxWxH) in mm	: 240Lx110Wx115H
Weight (g)	: 3000g
Compliance & Standard	: EN61347-2-13:200 EN61347-1:2008 A1:1011A2:2013 EN55015:2013 EN61547:2009 EN61000-3-2:2006 A2:2009 EN61000-3-3:2013
Waranty (years)	: 3 years

# BUILDING AUTOMATION SYSTEM EMERGENCY LIGHTING MONITORING

## Exploring Integrate with Management System

- Enhanced management and maintenance for integrating emergency lighting with management system.
- Offers a more unified and effective in managing emergency devices within the building.
- An user-friendly approach for effective upkeep of emergency devices.

## How GC KNX System Works?

GC KNX system is seamlessly connected to a singular server, offering comprehensive insights into each device, such as lamps and batteries.

Every **DALI device** is easily monitored and displayed in real-time by operators, providing instant information on every situation and device status.

- Eg, Device 4 in Zone 1, Ground Floor is faulty, the operator will receive a notification on this matter and attend to it as soon.

## BENEFITS of GREENCONTROLS EMERGENCY LIGHTING MONITORING SYSTEM

- Efficiency installation
- Monitoring
- Detail & Precision Information
- Integration & Centralized One
- Control
- Maintenance & Troubleshooting

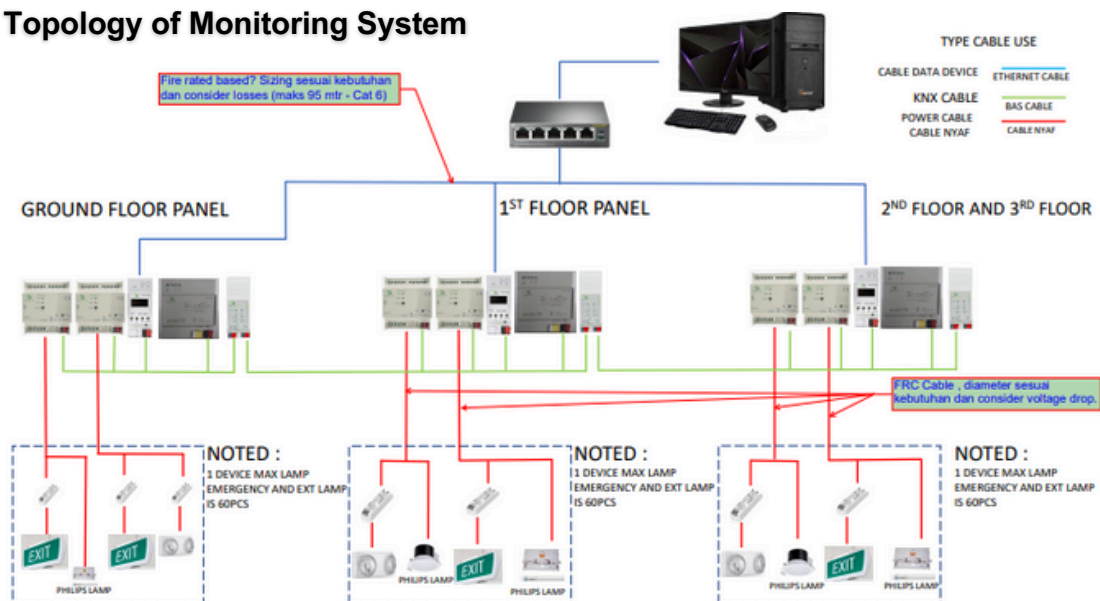
## GC KNX Advantages

- **Effortless Monitoring:** Easily view device information, including accurate data on battery indicators, health, and on/off status of lamps.
- **Time Efficiency:** Avoid the tedious task of individually checking each device. Monitoring saves time, especially crucial for emergency situations.
- **Unified Control:** Easily switch devices on/off from the operator room with a single control interface.
- **Efficient Maintenance:** Simplifies troubleshooting by aiding engineers in identifying problematic devices through monitoring data.
- **Preventive Alerts:** Receive early warnings about low battery levels, ensuring devices are standby-ready before emergencies, avoiding disruptions.
- **Seamless Integration:** Enables seamless integration, offering unified control and comprehensive monitoring for efficient operations and timely maintenance.

## MONITOR & CONTROL

- Lamp Indicator (On/Off Status)
- Battery Indicator (Level Status)
- Zoning
- ISpesific Information (Trouble Shooting)

## Topology of Monitoring System



## NetX Interface



## NetX Integration with DALI

- Extension module for NETx BMS Platform
- Provides manufacturer-independent view of KNX/DALI gateways
- Uniform data point view
- Triggering DALI tests
- Show common DALI errors and error for each device separately
- Support for DALI emergency tests
- Stores test results in SQL database
- Reporting tool for generating customized reports
- Automatic export from ETS5 using NETx BMS App Secure
- Support for multiple KNX/DALI gateways: ABB, Gira, Hager, IPAS, Jung, MDT, Schneider, Siemens, Zennio, EAE, ...

La	LaMPS		
La	DALI		
La	Building		
La	Floor1		
La	My DALI Gateway		
o	Fault General	Fault General	True
o	Fault DALI	Fault DALI (4/22)	False
o	Fault Device	Fault Device (5/23)	True
o	Fault Lamps	Fault Lamps (5/24)	False
o	Trigger Test	Trigger Test	
o	Test Running	Test Running	False
La	Device1		
o	Fault	Displays if any fault occurred	True
o	Fault Lamps	Fault Lamps	False

# DESIGN OF EMERGENCY ESCAPE LUMINAIRE INSTALLATION

## What is Emergency Lights Standard.

Emergency Lighting Standards seek to provide visual conditions which make safe and timely evacuation possible while simultaneously curtailing panic. Safeguards for emergency management are vital in areas to which either the public or workers have access. Recommendations for specific luminaires such as exit signs and other sources of guidance, as well as the installation, operation, and testing of these, are outlined. These standards also address design principles that account for optimal placement, energy use, and possibility of electrical supply failure during emergencies. Emergency lighting is lighting for an emergency situation when the main power supply is cut and any normal illumination fails. The loss of mains electricity could be the result of a fire or a power cut and the normal lighting supplies fail. This may lead to sudden darkness and a possible danger to the occupants, either through physical danger or panic.

Emergency lighting falls into two categories :

### 1. Escape Lighting

This illuminates exit routes and open areas. Summary:

- Exit routes must be clearly lit and signed to ensure people can evacuate the building safely.
- Open area lighting is designed to reduce confusion and panic, whilst ensuring visibility of the nearest exit route. Escape lighting also enables employees to shut down sensitive or potentially dangerous processes before evacuating the building.

### 2. Standby lighting

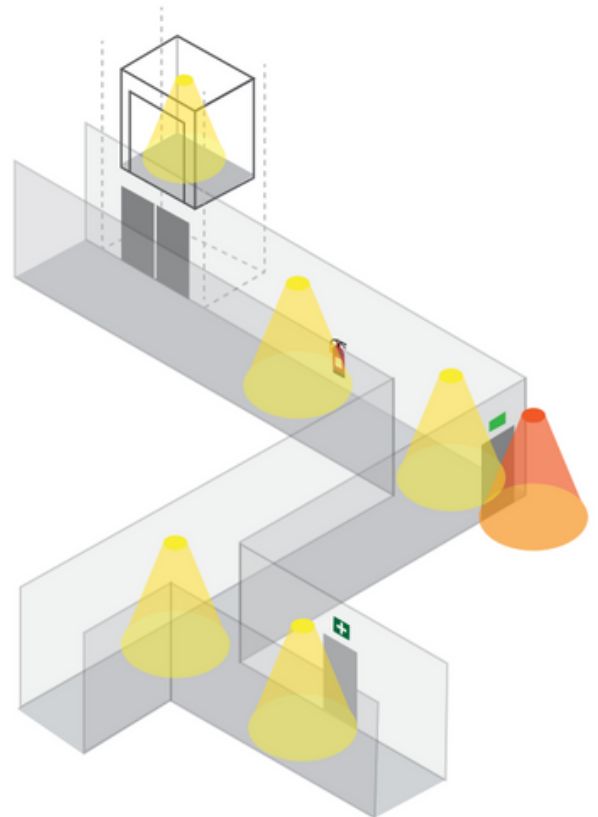
Standby lighting allows normal activities to continue if the main lighting fails for any reason. An application such as an operating theatre or an air traffic control centre would require standby lighting.

## Emergency lighting must:

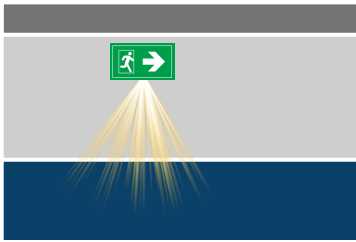
- Indicate clearly and unambiguously the escape routes.
- Provide illumination along such routes to allow safe movement towards and through the exits provided.
- Ensure that fire alarm call points and fire fighting equipment provided along the escape routes can be readily located.
- Permit operations concerned with safety measures

## Point of Emphasis of Emergency Lighting Scheme

- Stairs so that each flight receives direct light
- Changes in level
- Changes of escape route direction
- Corridor intersections
- First aid posts
- Fire alarm call points or pieces of fire fighting equipment
- External areas in the immediate vicinity of final exits
- Moving stairways and walkways
- Motor generator, control and plant rooms
- Lift cars
- Covered car parks
- Areas of refuge
- Toilet facilities exceeding 8m<sup>2</sup> or any multiple closet facility without borrowed light
- All other areas as deemed by the Risk Assessment



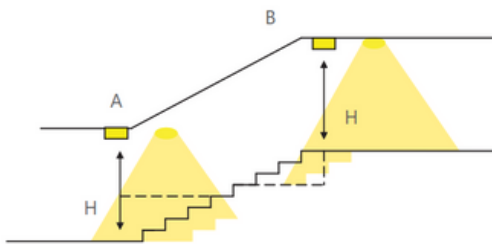
# EXIT SIGNS



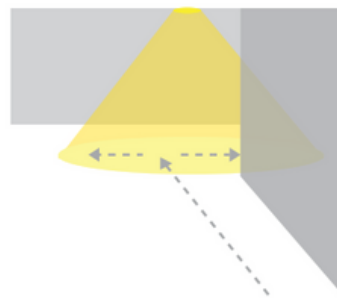
These are visible at all points along the escape route. Combination signs provide both an internally illuminated exit and a usable downward light element. They may be suitable to replace some luminaires which have been previously placed.



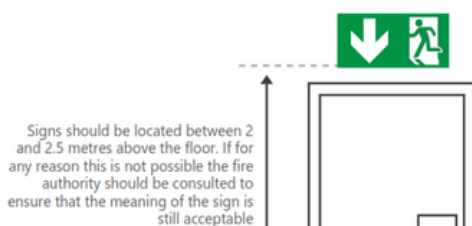
## Near Stairs or any other change of level



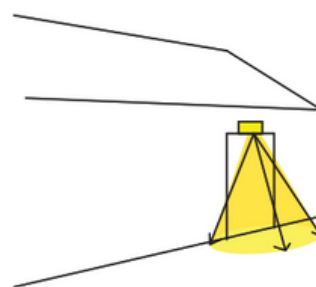
## Near changes of direction of corridors



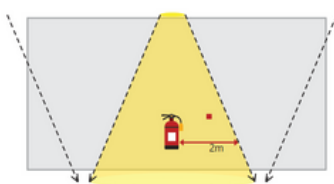
## Illuminate Exit and other safety signs



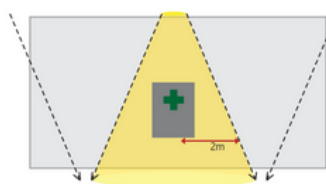
## Outside and near to exits



## Near fire fighting equipment and call points



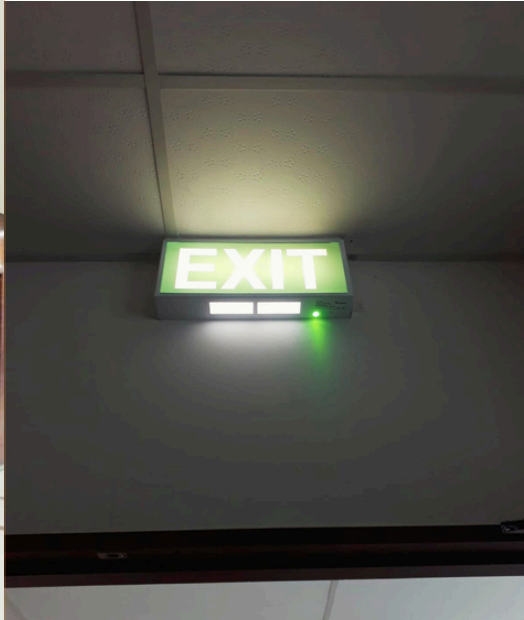
## Near first aid post





## Unair Syariah

Airlangga Sharia & Entrepreneurship Education Center (ASEEC) Tower or Gedung Syariah Tower UNAIR as it has long been known, is a multipurpose building. The emergence of ASEEC Tower is a form of UNAIR's support for the activities of the entire academic community, and is also a unique landmark of UNAIR.



## PT Hisamitsu Pharma

Established in 1975, PT Salonpas Indonesia continues to participate in improving the health of the Indonesian people through its products. In 2003 PT Salonpas Indonesia changed their name to PT Hisamitsu Pharma Indonesia.



## PT Lesaffre Sari Nusa

Lesaffre Group established Saf Indonusa as a subsidiary to provide innovative roasting solutions in Indonesia. Roasting solutions include high-quality yeast, premixes, bread developers, and baking ingredients.

Agung Sedayu Group  
Mayora  
Museum Nasional Indonesia  
SPP POS Jakarta Timur  
Super Steel Karawang  
Shell Gas Station  
Univ. Esa Unggul  
Infineon Batam  
Rusun Menteng  
Bunt Batu School NTB  
Craze Indonesia  
Showroom Bquick  
Mandiri Wijaya Kusuma  
Indonakano  
Restaurant Hokben

Sheraton  
Lippo Group  
Equinix Data Center  
Mekar Armada Jaya  
AKR BP  
RS Port Medikal Center  
Ariobimo Data Center  
Tripari Warehouse  
Adhi Persada Group  
Santos Jaya Abadi (Kapal Api)  
Mandiri Denpasar  
Unair Syariah Tower  
PT. Hisamitsu Pharma  
PT. Lesaffre Sari Nusa  
Pelindo Place

Firmenich  
CIMB Niaga  
Hotel Meurorah  
Best Mansion Apartmen  
Pusat Grosir Surabaya  
RSUD Srengat Blitar  
RSUD Mojokerto  
PT. Suntory Garuda  
RS Siti Khodijah  
RS Darmayu Madiun  
Hotel Crown Prince  
PT. Trias Spunindo  
Kyo society apartmen  
PAL BMPP Kolaka  
RKZ Surabaya





## CONTACT US

### ACCENTA HEAD OFFICE

Jl. Gunung Sahari Raya No. 41  
Jakarta Pusat 10720

Telp : (+62) 216 592 031  
Telp : (+62) 882 1202 4232

<https://www.accentaenergy.com/>  
[csa@accentaenergy.com](mailto:csa@accentaenergy.com)

### ACCENTA OFFICE SURABAYA

Jl. Gembong Sawah, No. 43

Telp : (+62) 31 371 0631  
Telp : (+62) 813 5858 6939

WEBSITE:

