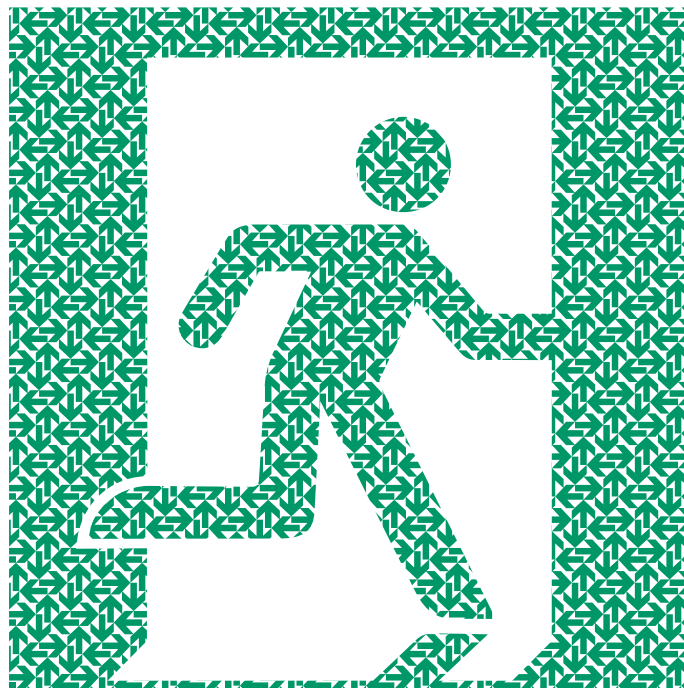
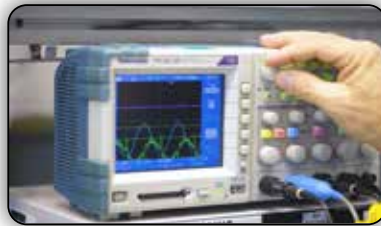
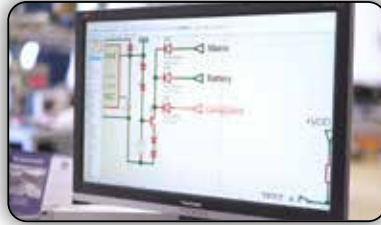
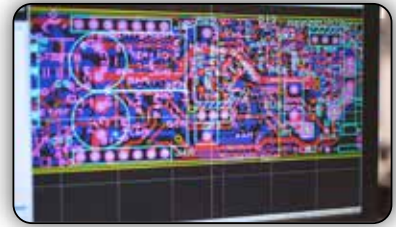


EMERGENCY LIGHTING PRODUCTS



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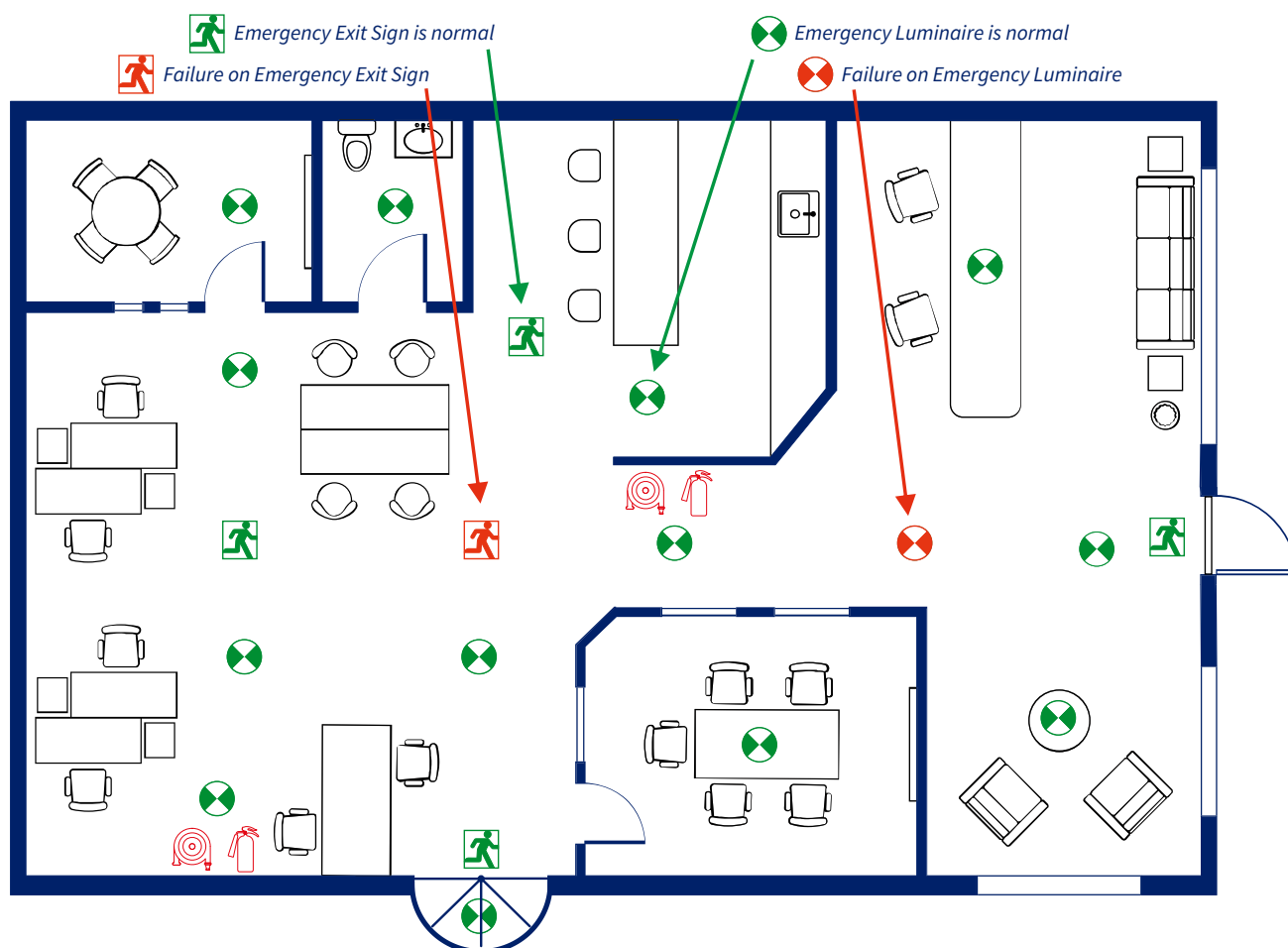
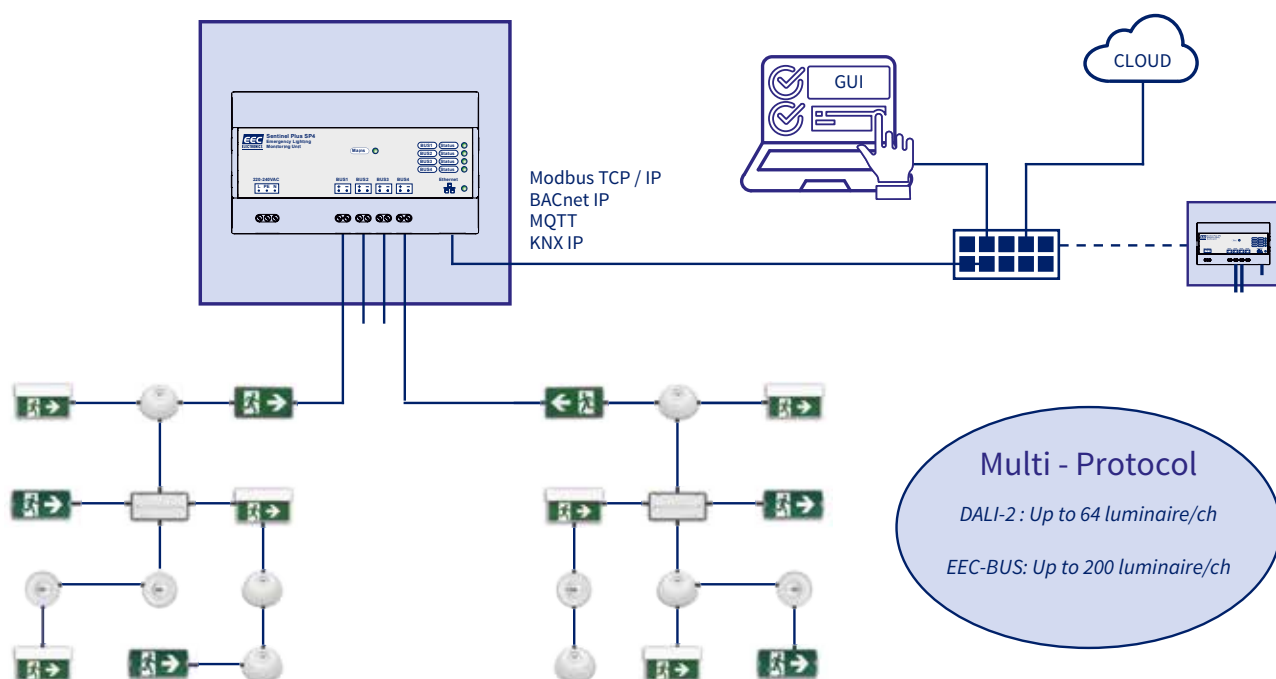


EEC Electronics



Sentinel Remote Monitoring

4 Channel up to 800 devices per panel





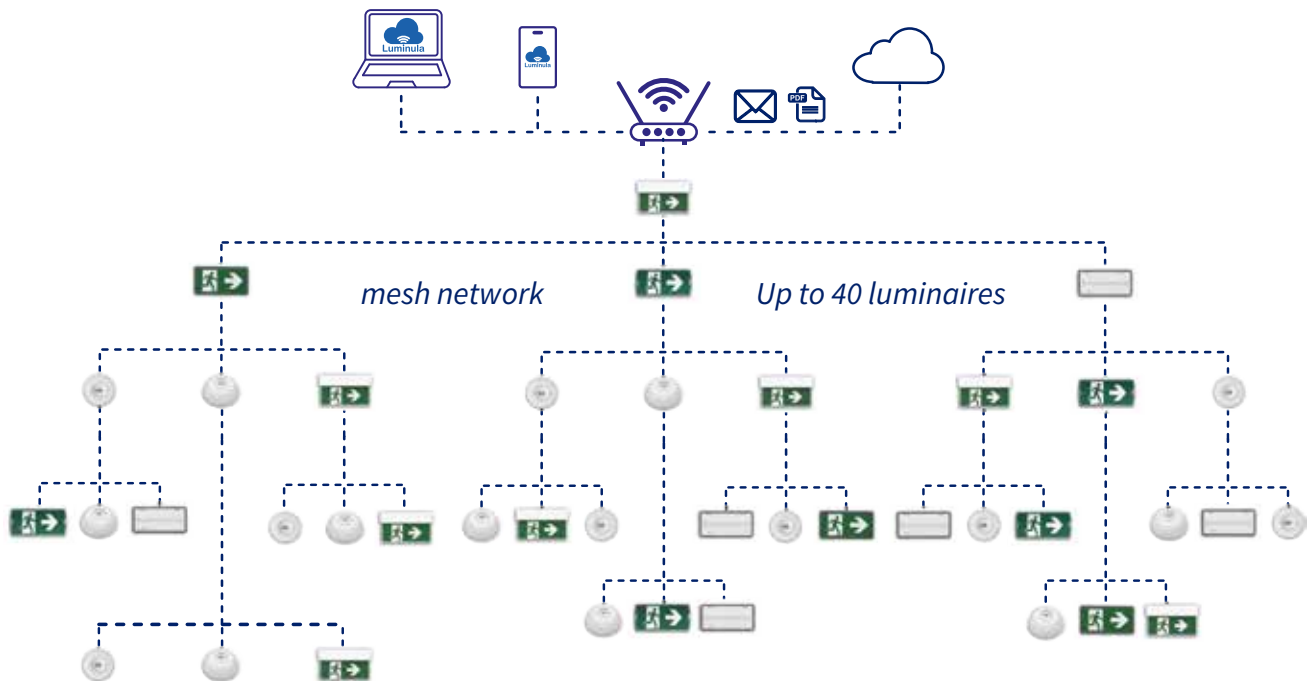
Luminula Wireless Monitoring



Designed for Convenience.

No Gateway. No Complexity.

Notification Service. Cloud-backed Reports.



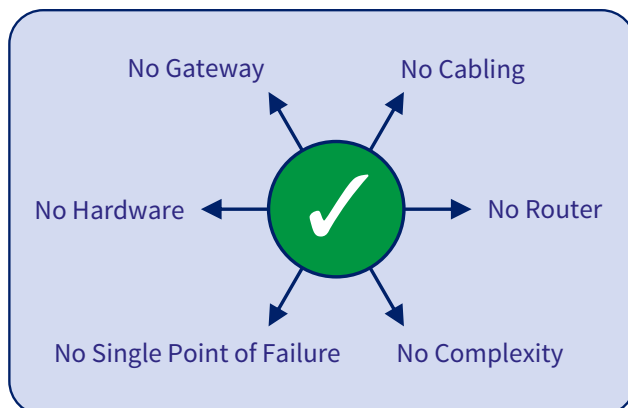
Setup in Minutes



Comparison Table

Feature	Conventional	Luminula
Gateway	Required	No
Extra Hardware	Yes	No
Setup Time	Long	Minut
Wiring Complexity	High	No
Cost for 40 luminaires	High	Low

What is the Difference ?



Indicators, Controls & Notifications

- Battery Fault monitoring
- Lamp Fault monitoring
- Communication Fault monitoring
- Automatic Function Test : Every week, 1 min
- Automatic Duration Test : Every year, rated duration
- Manual Start/ Stop Function Test : 1 min
- Manual Start/ Stop Duration Test : Rated duration
- E-mail notifications
- Cloud-backed reports

Flatlite



Flatlite

Emergency Luminaires & Exit Signs

Surface Mounted, Single & Double Sided

General Specifications

Application	Escape Sign, Anti-Panic Lighting, Escape Route Lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling, Recessed mounting is available by accessory
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	30m
Light Source	12 mid power led module, 6500K, CRI>80 HP models: 30 mid power led module, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP65
Impact Protection Rating	IK08
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Breakable entry holes back, rear & top parts
Enclosure	White polycarbonate housing

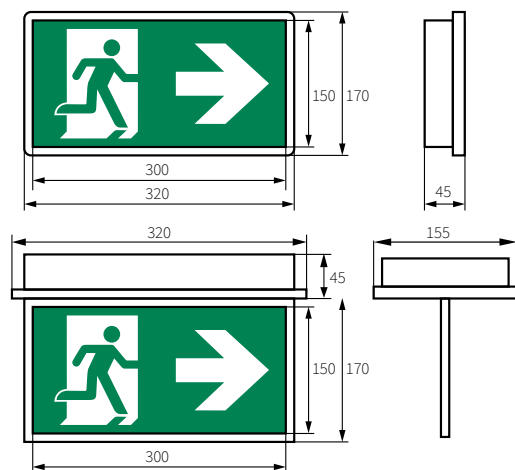
Li-FePO4 Batteries & Management

- Smart charge circuit
- Overcharge/ overdischarge protection
- Short/ open circuit protection
- Deep discharge protection
- High/Low temperature protection
- Polarity reversal protection by connector
- Up to 10 year design life

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)

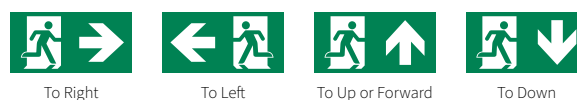


Ordering Details

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
FTL16-E	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
FTL20-E	250 Lumen	180 Lumen	3.2V -2.0Ah	
FTL32-E	-	250 Lumen	3.2V -3.2Ah	
FTL60-E	800 Lumen	500 Lumen	3.2V -6.4Ah	
FTL16-AT	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
FTL20-AT	250 Lumen	180 Lumen	3.2V -2.0Ah	
FTL32-AT	-	250 Lumen	3.2V -3.2Ah	
FTL60-AT	800 Lumen	500 Lumen	3.2V -6.4Ah	
FTL16-DALI	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
FTL20-DALI	250 Lumen	180 Lumen	3.2V -2.0Ah	
FTL32-DALI	-	250 Lumen	3.2V -3.2Ah	
FTL60-DALI	800 Lumen	500 Lumen	3.2V -6.4Ah	
FTL-16-LUM	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
FTL-32-LUM	-	250 Lumen	3.2V -3.2Ah	
FTL-CBE	250 Lumen	-	-	Central-Eco
FTL-CBDALI	250 Lumen	-	-	Central-DALI
FTL-HP-CBDALI	1000 Lumen	-	-	

Accessories	Explanations
FTL-PAD-LEFT	Sign pad, LEFT side
FTL-PAD-RIGHT	Sign pad, RIGHT side
FTL-PAD-UP	Sign pad, UP side
FTL-PAD-DOWN	Sign pad, DOWN side
FTL-PAD-OPAL	Opal pad
FTL-SIGN-SET1	Sign set, LEFT, RIGHT, UP, DOWN side & opal pad
FTL-REC-SET	Recessed mounting set
FTL-DOUBLE-SIDE-SET	Mounting set for double-sided application
FTL-PRGRID	Protection grid

Standard Signs



Elegance



Elegance

Emergency Luminaires & Exit Signs
Surface Mounted, Single Sided

General Specifications

Application	Escape Sign, Anti-Panic Lighting, Escape Route Lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling. Recessed mounting is available by accessory
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	27m
Light Source	8 mid power led module, 6500K, CRI>80 HP models: 30 mid power led module, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP65
Impact Protection Rating	IK10
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Breakable entry holes back, rear & top parts
Enclosure	White polycarbonate housing

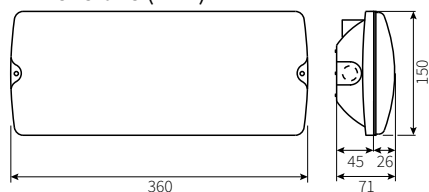
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Standard Signs



To Right



To Left



To Up or Forward



To Down



Ordering Details

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ELG16-E	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ELG20-E	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELG32-E	-	250 Lumen	3.2V -3.2Ah	
ELG60-E	800 Lumen	500 Lumen	3.2V -6.4Ah	
ELG16-AT	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ELG20-AT	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELG32-AT	-	250 Lumen	3.2V -3.2Ah	
ELG60-AT	800 Lumen	500 Lumen	3.2V -6.4Ah	
ELG16-DALI	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ELG20-DALI	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELG32-DALI	-	250 Lumen	3.2V -3.2Ah	
ELG60-DALI	800 Lumen	500 Lumen	3.2V -6.4Ah	
ELG-16-LUM	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
ELG-32-LUM	-	250 Lumen	3.2V -3.2Ah	
ELG-CBE	250 Lumen	-	-	Central-Eco
ELG-CBDALI	250 Lumen	-	-	Central-DALI
ELG-HP-CBDALI	1000 Lumen	-	-	

Accessories	Explanations
ELG-PAD-LEFT	Sign pad, LEFT side
ELG-PAD-RIGHT	Sign pad, RIGHT side
ELG-PAD-UP	Sign pad, UP side
ELG-PAD-DOWN	Sign pad, DOWN side
ELG-PAD-OPAL	Opal pad
ELG-SIGN-SET1	Sign set, LEFT, RIGHT, UP, DOWN side & opal pad
ELG-REC-SET	Recessed mounting set
ELG-PERSPEX-SET	Perspex sign set
ELG-PRGRID	Protection grid

Elegance Slim



Elegance Slim

Emergency Luminaires & Exit Signs
Surface Mounted, Single Sided

General Specifications

Application	Escape Sign, Anti-Panic Lighting, Escape Route Lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling. Recessed mounting is available by accessory
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	23m
Light Source	12 mid power led module, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP65
Impact Protection Rating	IK10
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm ² quick fit terminal block
Cable Entry	Breakable entry holes back, rear & top parts
Enclosure	White polycarbonate housing

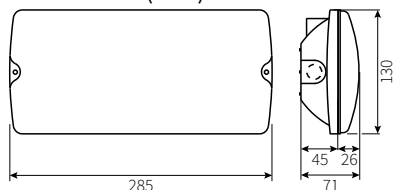
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Standard Signs



To Right



To Left



To Up or Forward



To Down



Ordering Details

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ELGS16-E	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ELGS20-E	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELGS32-E	-	250 Lumen	3.2V -3.2Ah	
ELGS16-AT	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ELGS20-AT	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELGS32-AT	-	250 Lumen	3.2V -3.2Ah	
ELGS16-DALI	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ELGS20-DALI	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELGS32-DALI	-	250 Lumen	3.2V -3.2Ah	
ELGS-16-LUM	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
ELGS-32-LUM	-	250 Lumen	3.2V -3.2Ah	
ELGS-CBE	250 Lumen		-	Central-Eco
ELGS-CBDALI	250 Lumen		-	Central-DALI
ELGS-HP-CBDALI	1000 Lumen		-	

Accessories	Explanations
ELGS-PAD-LEFT	Sign pad, LEFT side
ELGS-PAD-RIGHT	Sign pad, RIGHT side
ELGS-PAD-UP	Sign pad, UP side
ELGS-PAD-DOWN	Sign pad, DOWN side
ELGS-PAD-OPAL	Opal pad
ELGS-SIGN-SET1	Sign set, LEFT, RIGHT, UP, DOWN side & opal pad
ELGS-REC-SET	Recessed mounting set
ELGS-PERSPEX-SET	Perspex sign set
ELGS-PRGRID	Protection grid

Elegance Double



Elegance Double

Emergency Exit Signs
Surface Mounted, Double Sided

General Specifications

Application	Escape Sign
Mounting	Direct mounting to ceiling. Recessed mounting is available by accessory
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	24m
Light Source	12 mid power led module, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years



Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP65
Impact Protection Rating	IK07
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Breakable entry holes back, rear & top parts
Enclosure	White polycarbonate housing

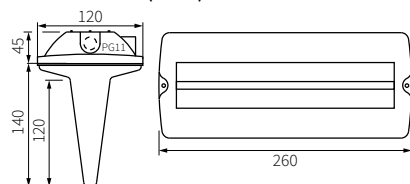
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Standard Signs



Ordering Details

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ELGD16-E	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ELGD20-E	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELGD32-E	-	250 Lumen	3.2V -3.2Ah	
ELGD16-AT	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ELGD20-AT	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELGD32-AT	-	250 Lumen	3.2V -3.2Ah	
ELGD16-DALI	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ELGD20-DALI	250 Lumen	180 Lumen	3.2V -2.0Ah	
ELGD32-DALI	-	250 Lumen	3.2V -3.2Ah	
ELGD-16-LUM	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
ELGD-32-LUM	-	250 Lumen	3.2V -3.2Ah	
ELGD-CBE	250 Lumen	-	-	Central-Eco
ELGD-CBDALI	250 Lumen	-	-	Central-DALI
ELGD-HP-CBDALI	1000 Lumen	-	-	

Accessories	Explanations
ELGD-SIGN-LEFT	Sign pad, LEFT side
ELGD-SIGN-RIGHT	Sign pad, RIGHT side
ELGD-SIGN-UP	Sign pad, UP side
ELGD-SIGN-DOWN	Sign pad, DOWN side
ELGD-SIGN-SET1	Sign set, LEFT, RIGHT, UP, DOWN side
ELGD-REC-SET	Recessed mounting set
ELGD-PRGRID	Protection grid

StarLED



StarLED

Emergency Luminaires & Exit Signs

Surface Mounted, Single Sided

General Specifications

Application	Escape Sign, Anti-Panic Lighting, Escape Route Lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling. Recessed mounting is available by accessory
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	24m
Light Source	8 mid power led module, 6500K, CRI>80 HP models: 30 mid power led module, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP65
Impact Protection Rating	IK10
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Breakable entry holes back, rear & top parts
Enclosure	White polycarbonate housing

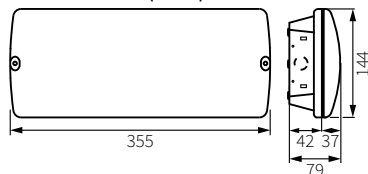
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Standard Signs



To Right



To Left



To Up or Forward



To Down



Ordering Details

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
STR16-E	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
STR20-E	250 Lumen	180 Lumen	3.2V -2.0Ah	
STR32-E	-	250 Lumen	3.2V -3.2Ah	
STR60-E	800 Lumen	500 Lumen	3.2V -6.4Ah	
STR16-AT	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
STR20-AT	250 Lumen	180 Lumen	3.2V -2.0Ah	
STR32-AT	-	250 Lumen	3.2V -3.2Ah	
STR60-AT	800 Lumen	500 Lumen	3.2V -6.4Ah	
STR16-DALI	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
STR20-DALI	250 Lumen	180 Lumen	3.2V -2.0Ah	
STR32-DALI	-	250 Lumen	3.2V -3.2Ah	
STR60-DALI	800 Lumen	500 Lumen	3.2V -6.4Ah	
STR-16-LUM	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
STR-32-LUM	-	250 Lumen	3.2V -3.2Ah	
STR-CBE	250 Lumen	-	-	Central-Eco
STR-CBDALI	250 Lumen	-	-	Central-DALI
STR-HP-CBDALI	1000 Lumen	-	-	

Accessories	Explanations
STR-PAD-LEFT	Sign pad, LEFT side
STR-PAD-RIGHT	Sign pad, RIGHT side
STR-PAD-UP	Sign pad, UP side
STR-PAD-DOWN	Sign pad, DOWN side
STR-PAD-OPAL	Opal pad
STR-SIGN-SET1	Sign set, LEFT, RIGHT, UP, DOWN side & opal pad
STR-REC-SET	Recessed mounting set
STR-PERSPEX-SET	Perspex sign set
STR-PRGRID	Protection grid

Multilite



Multilite

Emergency Exit Signs

Surface Mounted, Single & Double Sided

General Specifications

Application	Escape Sign
Mounting	Direct mounting to wall & ceiling. Recessed, suspended and flag mounting is available by accessory
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	23m & 30m
Light Source	20 mid power led module, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP40
Impact Protection Rating	IK04
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Breakable entry holes rear & upper sides
Enclosure	White ASA Blend housing

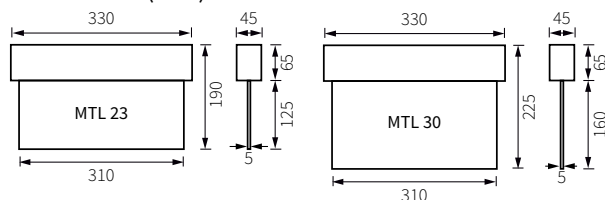
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Standard Signs



MTL 23 Series



MTL 30 Series



Ordering Details

Multilite 23 Series (23m Viewing Distance)

Code	Type	Battery	Viewing Distance
MTL23-16E	Manual Test	3.2V-1.6Ah	23m
MTL23-16AT	Auto Test		
MTL23-16DALI	DALI2		
MTL23-16LUM	Wireless		
MTL23-CBE	Central Eco	NA	
MTL23-CBDALI	Central DALI2		

Multilite 30 Series (30m Viewing Distance)

Code	Type	Battery	Viewing Distance
MTL30-16E	Manual Test	3.2V-1.6Ah	30m
MTL30-16AT	Auto Test		
MTL30-16DALI	DALI2		
MTL30-16LUM	Wireless		
MTL30-CBE	Central Eco	NA	
MTL30-CBDALI	Central DALI2		

Sign Pads & Accessories

MTL-23-LFT	Sign pad - 23m, left side
MTL-23-RGT	Sign pad - 23m, right side
MTL-23-UP	Sign pad - 23m, up side
MTL-23-DWN	Sign pad - 23m, down side
MTL-23-PAD	Sign pad - 23m, white pad
MTL23-SET	Sign set - 23m Viewing distance
MTL-30-LFT	Sign pad - 30m, left side
MTL-30-RGT	Sign pad - 30m, right side
MTL-30-UP	Sign pad - 30m, up side
MTL-30-DWN	Sign pad - 30m, down side
MTL-30-PAD	Sign pad - 30m, white pad
MTL30-SET	Sign set - 30m Viewing distance
MTL-REC	Recessed mounting set
MTL-FLAG	Flag mounting set
MTL-SSWR-2M	Suspended type hanging set (2m)
MTL-CLP-SET	Mounting clips set

Ultralite



Ultralite

Emergency Exit Signs
Surface or Recessed Mounted, Single/Double Sided

General Specifications

Application	Escape Sign
Mounting	Direct mounting to ceiling & wall, suspended, recessed & flag mounting is available by accessories
Type	Manual test, Auto test, DALI, Central
Mode	Maintained
Emergency Duration	3 hours
Viewing Distance	24m, 30m Single or double sided
Light Source	LED module, 10/20 (DALI) mid power leds, 6500K, CRI>80
Battery	Ni-MH/Li-FePO4 (DALI)
Wiring	Flying leads
Power Supply	230 Volt, 50/60Hz
Protection	IP30
Temperature Range	0-40°C
Electrical Class	Class I
Material	Aluminium / Silver

UTLZNC



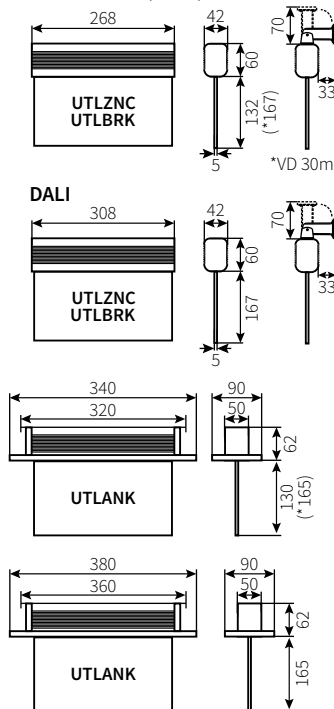
UTLBRK



UTLANK



Dimensions (mm)



Standard Signs



Ordering Details

Product Code	Type	Battery		Mounting	LED Module & Viewing Distance
UTLZNC-M310	ECO	Ni-MH	3.6V-1.5Ah	Chain	10 Led 24m
UTLBRK-M310				Bracket	
UTLANK-M310				Recessed	
UTLZNC-M310-ST	AUTO TEST	Ni-MH	3.6V-1.5Ah	Chain	
UTLBRK-M310-ST				Bracket	
UTLANK-M310-ST				Recessed	
UTLZNC-M320-DALI	DALI	Li-FePO4	3.2V-1.6Ah	Chain	20 Led 24m
UTLBRK-M320-DALI				Bracket	
UTLANK-M320-DALI				Recessed	
UTLZNC-CBE	Central ECO	NA	NA	Chain	
UTLBRK-CBE				Bracket	
UTLANK-CBE				Recessed	
UTLZNC-CBDALI	Central DALI	NA	NA	Chain	
UTLBRK-CBDALI				Bracket	
UTLANK-CBDALI				Recessed	
UTLHZNC-M310	ECO	Ni-MH	3.6V-1.5Ah	Chain	10 Led 24m
UTLHBRK-M310				Bracket	
UTLHANK-M310				Recessed	
UTLHZNC-M310-ST	AUTO TEST	Ni-MH	3.6V-1.5Ah	Chain	
UTLHBRK-M310-ST				Bracket	
UTLHANK-M310-ST				Recessed	
UTLHZNC-M320-DALI	DALI	Li-FePO4	3.2V-1.6Ah	Chain	20 Led 24m
UTLHBRK-M320-DALI				Bracket	
UTLHANK-M320-DALI				Recessed	
UTLHZNC-CBE	Central ECO	NA	NA	Chain	
UTLHBRK-CBE				Bracket	
UTLHANK-CBE				Recessed	
UTLHZNC-CBDALI	Central DALI	NA	NA	Chain	
UTLHBRK-CBDALI				Bracket	
UTLHANK-CBDALI				Recessed	
UTL-SSWR-2M	Suspended type hanging set (2m)				
UTL24-SET	Sign set - 23m Viewing distance				
UTL-24-LFT	Sign pad - 23m, left side				
UTL-24-RGT	Sign pad - 23m, right side				
UTL-24-UP	Sign pad - 23m, up side				
UTL-24-DWN	Sign pad - 23m, down side				
UTL-24-PAD	Sign pad - 23m, white pad				
UTL30-SET	Sign set - 30m Viewing distance				
UTL-30-LFT	Sign pad - 30m, left side				
UTL-30-RGT	Sign pad - 30m, right side				
UTL-30-UP	Sign pad - 30m, up side				
UTL-30-DWN	Sign pad - 30m, down side				
UTL-30-PAD	Sign pad - 30m, white pad				

Microlite



Microlite

Emergency Exit Signs
Surface Mounted, Single/Double Sided

General Specifications

Application	Escape Sign
Mounting	Direct mounting to wall & ceiling
Type	Eco, Auto Test, Central
Mode	Selectable maintained/non-maintained
Emergency Duration	Selectable 1/3 hours
Viewing Distance	30m
Light Source	LED module, 12 mid power leds, 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years



Technical Specifications

Supply Voltage	230 Volt, 50/60Hz
Battery	Li-FePO4: 3.2 Volt, 1.6Ah
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation	Class II
Protection	IP30
Temperature	ta 0 /+40°C
Terminals	Up to 2x2,5mm² quick fit terminal
Cable Entry	Two easy breakable entry holes on back & top side
Enclosure	White thermoplastic housing



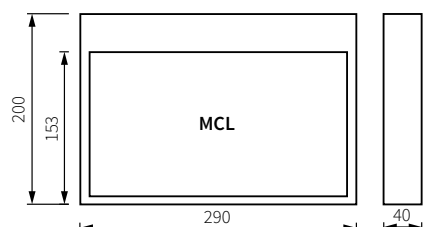
Ordering Details

CODE	Single or Double Side	Mounting Detail	Type	LED MODULE LUMEN OUTPUT			BATTERY
				MAINS	1H	3H	
MCL1-16E	Single Sided	Wall & Ceiling	Eco	75 Lm	250 Lm	100 Lm	3.2V-1.6Ah
MCL1-16AT			Auto Test				
MCL1-24			Central 24V				
MCL1-230			Central 230V				
MCL2-16E	Double Sided	Ceiling	Eco	75 Lm	250 Lm	100 Lm	3.2V-1.6Ah
MCL2-16AT			Auto Test				
MCL2-24			Central 24V				
MCL2-230			Central 230V				

Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Dimensions (mm)



Standard Signs



To Right



To Left



To Up or Forward



To Down

SIGN PADS & ACCESSORIES

MCL-SSWR-2M	Suspended type hanging set (2m)
MCL-SIGN-SET	Sign set (Up, Down, Left, Right, White)
MCL-LFT	Sign pad, left side
MCL-RGT	Sign pad, right side
MCL-UP	Sign pad, up side
MCL-DWN	Sign pad, down side
MCL-PAD	Sign pad, white pad

Ecosign, Midilite, Maxilite



Ecosign, Midilite, Maxilite

Emergency Exit Signs / Surface Mounted, Single/Double Sided

Specifications

Application	Escape Sign
Mounting	Wall, ceiling & suspended
Type	Manual, Auto Test, DALI
Mode	Maintained
Emergency Duration	1, 3 hours
Viewing Distance	Ecosign: 30m. Midilite: 36m. Maxilite: 80m.
	Single & double sided
Light Source	Led Strip, 6500K, CRI>80, Ecosign & Midilite: 216 Lumen Maxilite: 432 Lumen
Battery	Li-FePO4
Wiring	Up to 2x2,5 mm ² quick fit terminal block
Power Supply	230 Volt, 50/60Hz
Protection	IP40, IP65 is available
Temperature Range	0-40°C
Electrical Class	Class I
Material	Powder paint coated steel sheet housing

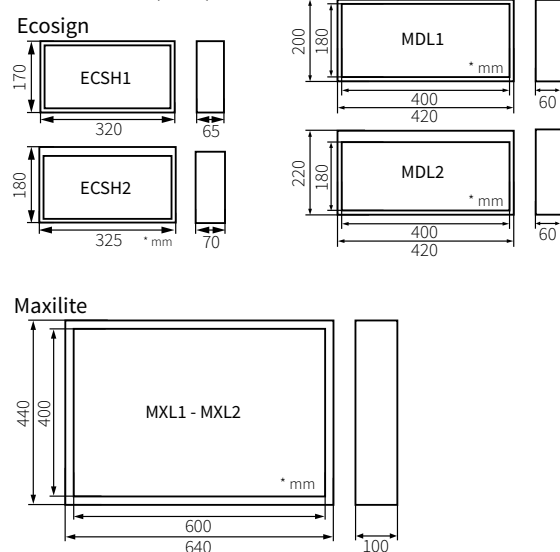
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Standard Signs



Ecosign



Midilite



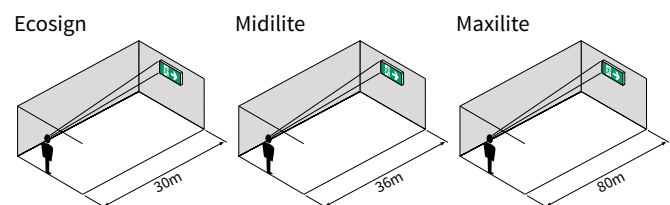
Maxilite



Ordering Details

Product Code			Type	Duration
Ecosign	Midilite	Maxilite		
ECSH1 Series Single Sided	MDL1 Series Single Sided	MXL1 Series Single Sided		
ECSH1LEDS-M218-1H	MDL1LEDS-M218-1H	MXL1LEDS-M418-1H	Standart	1 hour
ECSH1LEDS-M218-3H	MDL1LEDS-M218-3H	MXL1LEDS-M418-3H		3 hours
ECSH1LEDS-M218-1H-ST	MDL1LEDS-M218-1H-ST	MXL1LEDS-M418-1H-ST	Self-Test	1 hour
ECSH1LEDS-M218-3H-ST	MDL1LEDS-M218-3H-ST	MXL1LEDS-M418-3H-ST		3 hours
ECSH1LEDS-M218-3H-DALI	MDL1LEDS-M218-3H-DALI	MXL1LEDS-M418-3H-DALI	DALI	3 hours
ECSH2 Series Double Sided	MDL2 Series Double Sided	MXL2 Series Double Sided	Type	Duration
ECSH2LEDS-M218-1H	MDL2LEDS-M218-1H	MXL2LEDS-M418-1H	Standart	1 hour
ECSH2LEDS-M218-3H	MDL2LEDS-M218-3H	MXL2LEDS-M418-3H		3 hours
ECSH2LEDS-M218-1H-ST	MDL2LEDS-M218-1H-ST	MXL2LEDS-M418-1H-ST	Self-Test	1 hour
ECSH2LEDS-M218-3H-ST	MDL2LEDS-M218-3H-ST	MXL2LEDS-M418-3H-ST		3 hours
ECSH2LEDS-M218-3H-DALI	MDL2LEDS-M218-3H-DALI	MXL2LEDS-M418-3H-DALI	DALI	3 hours

Viewing Distance



Astralite



Astralite

Emergency Luminaires
Recessed Mount

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting Hazardous Area Lighting
Mounting	Recessed mount
Type	Manual Test, Self Test, DALI2, Wireless, Central
Operating Mode	Non-maintained
Emergency Duration	Selectable 1/3 hours
Light Source	Single power led, 5000-6500K, CRI>80
Lumen Output	Up to 250 Lumen
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP20
Impact Protection Rating	IK03
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Front side
Enclosure	White polycarbonate housing

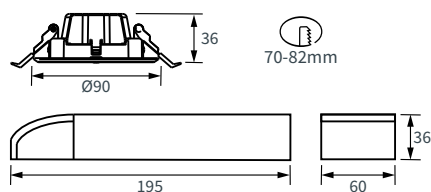
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Escape Route Lighting Lens



Open Area (Antipanic) Lighting Lens

Ordering Details (With Escape Route Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ASL16-E-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ASL20-E-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
ASL32-E-ER	-	250 Lumen	3.2V -3.2Ah	
ASL16-AT-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ASL20-AT-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
ASL32-AT-ER	-	250 Lumen	3.2V -3.2Ah	
ASL16-DALI-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ASL20-DALI-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
ASL32-DALI-ER	-	250 Lumen	3.2V -3.2Ah	
ASL-CBE-ER	250 Lumen		NA	Central-Eco
ASL-CBDALI-ER	250 Lumen			Central-DALI

Ordering Details (With Antipanic/Open Area Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ASL16-E-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ASL20-E-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
ASL32-E-AP	-	250 Lumen	3.2V -3.2Ah	
ASL16-AT-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ASL20-AT-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
ASL32-AT-AP	-	250 Lumen	3.2V -3.2Ah	
ASL16-DALI-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ASL20-DALI-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
ASL32-DALI-AP	-	250 Lumen	3.2V -3.2Ah	
ASL-CBE-AP	250 Lumen		NA	Central-Eco
ASL-CBDALI-AP	250 Lumen			Central-DALI

Accessories

Code	Description
ASL-AP	Antipanic Type Lens
ASL-ER	Escape Route Type Lens

ERL



ERL

Emergency Luminaires Recessed & Surface Mount

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting Hazardous Area Lighting
Mounting	Surface mount
Type	Manual Test, Self Test, DALI2, Wireless, Central
Operating Mode	Non-maintained
Emergency Duration	Selectable 1/3 hours
Light Source	Single power led, 5000-6500K, CRI>80
Lumen Output	Up to 250 Lumen
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP40
Impact Protection Rating	IK03
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Back & side
Enclosure	White polycarbonate housing

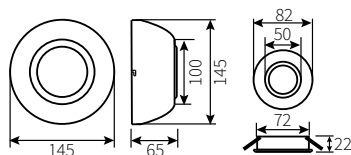
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Ordering Details (With Escape Route Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ERL16-E-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ERL20-E-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
ERL32-E-ER	-	250 Lumen	3.2V -3.2Ah	
ERL16-AT-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ERL20-AT-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
ERL32-AT-ER	-	250 Lumen	3.2V -3.2Ah	
ERL16-DALI-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ERL20-DALI-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
ERL32-DALI-ER	-	250 Lumen	3.2V -3.2Ah	
ERL16-LUM-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
ERL-CBE-ER	250 Lumen		NA	Central-Eco
ERL-CBDALI-ER	250 Lumen			Central-DALI

Ordering Details (With Antipanic/Open Area Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
ERL16-E-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
ERL20-E-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
ERL32-E-AP	-	250 Lumen	3.2V -3.2Ah	
ERL16-AT-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
ERL20-AT-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
ERL32-AT-AP	-	250 Lumen	3.2V -3.2Ah	
ERL16-DALI-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
ERL20-DALI-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
ERL32-DALI-AP	-	250 Lumen	3.2V -3.2Ah	
ERL16-LUM-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
ERL-CBE-AP	250 Lumen		NA	Central-Eco
ERL-CBDALI-AP	250 Lumen			Central-DALI

Accessories

Code	Description
ERL-AP	Antipanic Type Lens
ERL-ER	Escape Route Type Lens

Squarelite



Squarelite

Emergency Luminaires
Surface Mount

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting Hazardous Area Lighting
Mounting	Surface mount
Type	Manual Test, Self Test, DALI2, Wireless, Central
Operating Mode	Non-maintained
Emergency Duration	Selectable 1/3 hours
Light Source	Single power led, 5000-6500K, CRI>80
Lumen Output	Up to 250 Lumen
Battery	Li-FePO4
Warranty	5 years



Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP40
Impact Protection Rating	IK03
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Back & side
Enclosure	White polycarbonate housing

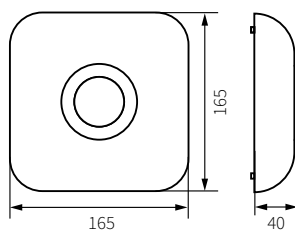
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Ordering Details (With Escape Route Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
SQL16-E-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
SQL20-E-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
SQL32-E-ER	-	250 Lumen	3.2V -3.2Ah	
SQL16-AT-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
SQL20-AT-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
SQL32-AT-ER	-	250 Lumen	3.2V -3.2Ah	
SQL16-DALI-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
SQL20-DALI-ER	250 Lumen	180 Lumen	3.2V -2.0Ah	
SQL32-DALI-ER	-	250 Lumen	3.2V -3.2Ah	
SQL16-LUM-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
SQL-CBE-ER	250 Lumen		NA	Central-Eco
SQL-CBDALI-ER	250 Lumen			Central-DALI

Ordering Details (With Antipanic/Open Area Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
SQL16-E-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
SQL20-E-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
SQL32-E-AP	-	250 Lumen	3.2V -3.2Ah	
SQL16-AT-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
SQL20-AT-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
SQL32-AT-AP	-	250 Lumen	3.2V -3.2Ah	
SQL16-DALI-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
SQL20-DALI-AP	250 Lumen	180 Lumen	3.2V -2.0Ah	
SQL32-DALI-AP	-	250 Lumen	3.2V -3.2Ah	
SQL16-LUM-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
SQL-CBE-AP	250 Lumen		NA	Central-Eco
SQL-CBDALI-AP	250 Lumen			Central-DALI

Accessories

Code	Description
SQL-AP	Antipanic Type Lens
SQL-ER	Escape Route Type Lens

Cosmolite-S



Cosmolite-S

Emergency Luminaires
Surface Mount

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting Hazardous Area Lighting
Mounting	Surface mount
Type	Manual Test, Self Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Light Source	Single power led, 5000-6500K, CRI>80
Lumen Output	Up to 250 Lumen
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP40
Impact Protection Rating	IK03
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Back & side
Enclosure	White polycarbonate housing (Black is available)

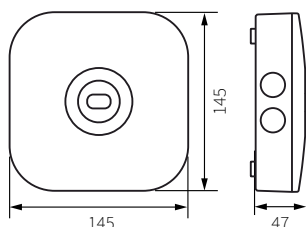
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Ordering Details (With Escape Route Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
CSLS16-E-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
CSLS32-E-ER	-	250 Lumen	3.2V -3.2Ah	
CSLS16-AT-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
CSLS32-AT-ER	-	250 Lumen	3.2V -3.2Ah	
CSLS16-DALI-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
CSLS32-DALI-ER	-	250 Lumen	3.2V -3.2Ah	
CSLS16-LUM-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
CSLS-CBE-ER	250 Lumen		NA	Central-Eco
CSLS-CBDALI-ER	250 Lumen			Central-DALI

Ordering Details (With Antipanic/Open Area Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
CSLS16-E-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
CSLS32-E-AP	-	250 Lumen	3.2V -3.2Ah	
CSLS16-AT-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
CSLS32-AT-AP	-	250 Lumen	3.2V -3.2Ah	
CSLS16-DALI-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
CSLS32-DALI-AP	-	250 Lumen	3.2V -3.2Ah	
CSLS16-LUM-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Wireless
CSLS-CBE-AP	250 Lumen		NA	Central-Eco
CSLS-CBDALI-AP	250 Lumen			Central-DALI

Accessories

Code	Description
CSL-AP	Antipanic Type Lens
CSL-ER	Escape Route Type Lens
CSL-HA	Hazardous Area Type Lens

Cosmolite-R



Cosmolite-R

Emergency Luminaires
Surface Mount

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting Hazardous Area Lighting
Mounting	Recessed mount
Type	Manual Test, Self Test, DALI2, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Light Source	Single power led, 5000-6500K, CRI>80
Lumen Output	Up to 250 Lumen
Battery	Li-FePO4
Warranty	5 years

Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP40
Impact Protection Rating	IK03
Temperature	ta 0 / +40°C
Terminals	Up to 2x2,5mm² quick fit terminal block
Cable Entry	Front side
Enclosure	White polycarbonate housing (Black is available)

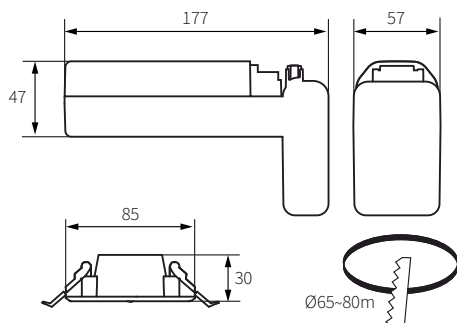
Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.e

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Ordering Details (With Escape Route Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
CSLR16-E-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
CSLR32-E-ER	-	250 Lumen	3.2V -3.2Ah	
CSLR16-AT-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
CSLR32-AT-ER	-	250 Lumen	3.2V -3.2Ah	
CSLR16-DALI-ER	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
CSLR32-DALI-ER	-	250 Lumen	3.2V -3.2Ah	
CSLR-CBE-ER	250 Lumen		NA	Central-Eco
CSLR-CBDALI-ER	250 Lumen			Central-DALI

Ordering Details (With Antipanic/Open Area Lighting Lens)

Code	Lumen Output		Li-FePO4 Battery	Type
	1H	3H		
CSLR16-E-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Manual Test
CSLR32-E-AP	-	250 Lumen	3.2V -3.2Ah	
CSLR16-AT-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	Auto Test
CSLR32-AT-AP	-	250 Lumen	3.2V -3.2Ah	
CSLR16-DALI-AP	250 Lumen	140 Lumen	3.2V -1.6Ah	DALI-2
CSLR32-DALI-AP	-	250 Lumen	3.2V -3.2Ah	
CSLR-CBE-AP	250 Lumen		NA	Central-Eco
CSLR-CBDALI-AP	250 Lumen			Central-DALI

Accessories

Code	Description
CSL-AP	Antipanic Type Lens
CSL-ER	Escape Route Type Lens
CSL-HA	Hazardous Area Type Lens

Superlite



Superlite

Emergency Luminaires
Surface Mounted

General Specifications

Application	Anti-Panic Lighting, Escape Route Lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling.
Type	Manual Test, Auto Test, DALI2, Wireless, Central
Operating Mode	Selectable maintained/ non-maintained
Emergency Duration	Selectable 1/3 hours
Light Source	60 mid power led module, 4000 or 6500K, CRI>80
Battery	Li-FePO4
Warranty	5 years



Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	3.2 Volt Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation Class	Class II
Protection Class	IP65
Impact Protection Rating	IK08
Temperature ta	0 / +40°C
Terminals	Up to 2x2,5mm2 quick fit terminal block
Cable Entry	Breakable entry holes back & rear parts
Enclosure	White polycarbonate housing

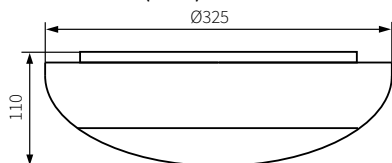
Li-FePO4 Batteries & Management

- Smart charge circuit
- Overcharge/ overdischarge protection
- Short/ open circuit protection
- Deep discharge protection
- High/Low temperature protection
- Polarity reversal protection by connector
- Up to 10 year design life

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Ordering Details

Code	Type	Li-FePO4 Battery	LED MODULE LUMEN OUTPUT		
			Mains	1H	3H
SPL16-E-X	Eco	3.2V-1.6Ah	2000 Lm	330 Lm	150 Lm
SPL32-E-X		3.2V-3.2Ah		700 Lm	300 Lm
SPL48-E-X		3.2V-4.8Ah		700 Lm	450 Lm
SPL76-E-X		3.2V-7.6Ah		700 Lm	700 Lm
SPL16-DALI-X	DALI	3.2V-1.6Ah		330 Lm	150 Lm
SPL32-DALI-X		3.2V-3.2Ah		700 Lm	300 Lm
SPL48-DALI-X		3.2V-4.8Ah		700 Lm	450 Lm
SPL76-DALI-X		3.2V-7.6Ah		700 Lm	700 Lm
SPL16-DALI-X	Wireless	3.2V-1.6Ah		330 Lm	150 Lm
SPL32-DALI-X		3.2V-3.2Ah		700 Lm	300 Lm
SPL48-DALI-X		3.2V-4.8Ah		700 Lm	450 Lm
SPL76-DALI-X		3.2V-7.6Ah		700 Lm	700 Lm
SPL-CB-E	Central-Eco	NA		NA	NA
SPL-CB-DALI	Central-DALI				

If X=4 Led color temperature is 4000 Kelvin
If X=6 Led color temperature is 6500 Kelvin

Novalite



Novalite

Emergency Luminaires
Surface Mounted

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling
Version	Manual Test, Auto Test, DALI, Central
Mode	Selectable maintained/non-maintained
Emergency Duration	1/3 hours
Light Source	72, 144, 180 mid power LED module, 4000K, CRI>80
Battery	Li-FePO4
Wiring	Up to 2x2,5 mm ² quick fit terminal block
Warranty	5 years



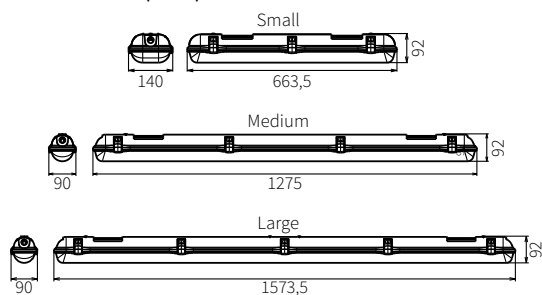
Technical Specifications

Supply Voltage	220-240 Volt, 0/50-60 Hz
Battery	Li-FePO4
Charger	Smart charger circuit
Charge Indicator	Green LED lamp
Fault Indicator	Red LED lamp
Insulation	Class II
Protection	IP40
Impact protection	IK07
Temperature	ta 0 /+45°C
Terminals	Up to 2x2,5mm ² quick fit terminal
Cable Entry	Side and upper sides
Enclosure	Polycarbonate

Li-FePO4 Batteries & Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Dimensions (mm)



Ordering Details

Type	Size	Led Module	Mode	Duration	Mains Power	Mains Lumen	Emergency lumen (1H/3H)	Emergency lumen (1H/3H)
NVL-S	Small	72 pcs Mid Power LED	Central	-	14W	1650 Lm	-	-
NVL-S16E			Mains & Emergency	1H /3H	16W		250/ 100 Lm	3.2V-1.6Ah
NVL-S32E							500/200 Lm	3.2V-3.2Ah
NVL-S48E							750/300 Lm	3.2V-4.8Ah
NVL-SDALI			Mains & DALI Emergency	3H			180 Lm	6.4V-1.6Ah
NVL-M	Medium	144 pcs Mid Power LED	Central	-	28W	3400 Lm	-	-
NVL-M16E			Mains & Emergency	1H /3H	32W		250/ 100 Lm	3.2V-1.6Ah
NVL-M32E							500/200 Lm	3.2V-3.2Ah
NVL-M48E							750/300 Lm	3.2V-4.8Ah
NVL-MDALI			Mains & DALI Emergency	3H			180 Lm	6.4V-1.6Ah
NVL-L	Large	180 pcs Mid Power LED	Central	-	35W	4300 Lm	-	-
NVL-L16E			Mains & Emergency	1H /3H 1H /3H	40W		250/ 100 Lm	3.2V-1.6Ah
NVL-L32E							500/200 Lm	3.2V-3.2Ah
NVL-L48E							750/300 Lm	3.2V-4.8Ah
NVL-LDALI			Mains & DALI Emergency	3H			180 Lm	6.4V-1.6Ah

ELULED



ELULED

Emergency Luminaires LED Emergency Twinspot

General Specifications

Application	Anti-Panic Lighting, Escape Route lighting, Hazardous Area Lighting
Mounting	Direct mounting to wall & ceiling
Version	Manual Test, Self Test, DALI, Central
Mode	Non-maintained
Emergency Duration	1/3 hours
Light Source	2x25 mid power led spot, 4000-6500K, CRI>80
Battery	Li-FePO4 & VRLA (Sealed Lead Acid Battery)
Wiring	Up to 2x2,5 mm ² quick fit terminal block
Power Supply	230 Volt, 50/60Hz
Protection	IP65
Temperature Range	0-45°C
Electrical Class	Class II (no earth wiring required)
Material	Thermoplastic housing



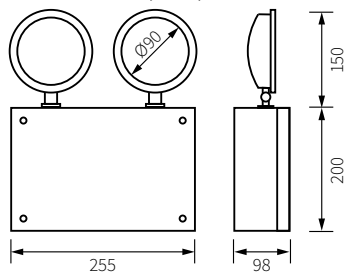
Li-FePO4 Batteries & Battery Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Standards

- EN 60598-1
- EN 60598-2-22
- EN 62031
- EN 62384
- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 1838 (Application)
- According to EN 50172 (Application)
- According to EN 62034 (Auto Test)
- According to EN 62386 (DALI)

Dimensions (mm)



Ordering Details

Code	Type	Duration	Light Output	Battery
ELULED-38E-1H	ECO	1 hour	2 x 750 Lm	6.4V - 3.8Ah Li-FePO4
ELULED-60E-1H			2 x 1000 Lm	6.4V - 6.0Ah Li-FePO4
ELULED-38E-3H			2 x 350 Lm	6.4V - 3.8Ah Li-FePO4
ELULED-60E-3H		3 hours	2 x 500 Lm	6.4V - 6.0Ah Li-FePO4
ELULED-76E-3H			2 x 700 Lm	6.4V - 7.6Ah Li-FePO4
ELULED-120E-3H			2 x 1000 Lm	6.4V - 12.0Ah Li-FePO4
ELULED-1207E-3H			2 x 750 Lm	12V-7.0Ah VRLA
ELULED-38DALI-1H	DALI	1 hour	2 x 750 Lm	6.4V - 3.8Ah Li-FePO4
ELULED-38DALI-3H		3 hours	2 x 350 Lm	6.4V - 3.8Ah Li-FePO4
ELULED-60DALI-3H			2 x 500 Lm	6.4V - 6.0Ah Li-FePO4
ELULED-76DALI-3H			2 x 700 Lm	6.4V - 7.6Ah Li-FePO4
ELULED-120DALI-3H			2 x 1000 Lm	6.4V - 12.0Ah Li-FePO4
ELULED-38LUM-1H	Wireless	1 hour	2 x 750 Lm	6.4V - 3.8Ah Li-FePO4
ELULED-38LUM-3H		3 hours	2 x 350 Lm	6.4V - 3.8Ah Li-FePO4
ELULED-60LUM-3H			2 x 500 Lm	6.4V - 6.0Ah Li-FePO4
ELULED-76LUM-3H			2 x 700 Lm	6.4V - 7.6Ah Li-FePO4
ELULED-120LUM-3H			2 x 1000 Lm	6.4V - 12.0Ah Li-FePO4
ELULED-CB-E	Central-Eco	NA	2 x 700 Lm	NA
ELULED-CB-DALI	Central-DALI			

ECU60 & ECU240



ECU60 & ECU240 Series

Emergency Conversion Kits

General Specifications

- Self contained emergency lighting LED driver for luminaire installation.
- Supplied with Li-FePO4 batteries.
- Slim design 21x30mm cross section.
- Selectable 1/ 3 hours emergency duration.
- Manufactured to comply with EN61347 Series.
- Non-maintained operating mode.
- ECU60 models are suitable for LED modules with the forward voltage of 10-55 Volt.
- ECU240 models are suitable for LED modules with the forward voltage of 50-240 Volt.
- Easy installation.
- 5 years guarantee. (battery 5 years)



Technical Specifications

Rated Supply Voltage	220-240 Volt AC, 50/60 Hz
AC Voltage range	185-265 Volt AC, 50/60 Hz
Power Consumption	max 3W
Output Voltage	ECU60xxx 10-55 Volt DC, ECU240xxx 50-240 Volt DC
Max Output Voltage (U-OUT)	ECU60xxx 60 Volt, ECU240xxx 250 Volt
Output Power	See table
Output Power tolerance	± 10 %
Mains / emergency threshold	According to EN 60598-2-22
Charge / Fault Indicator	Green LED lamp (with 300mm cable) Red LED lamp (battery disconnection)
Emergency Duration	Selectable 1/ 3 hours
Operating Mode	Non-maintained
Insulation Class	Class II (no earth wiring required)
Protection Class	IP20
Ambient Temperature	ta 0-50°C, tc 70°C
Terminals	0.5 to 1.5mm quick fit terminal block
Enclosure	White polycarbonate housing

Li-FePO4 Batteries & Battery Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Ordering Details

Code	Output	Battery	Power Output @1H	Power Output @3H
ECU60-16E	5-55 Volt	3.2V - 1.6Ah	Up to 2.6W	Up to 1.0W
ECU60-32E		3.2V - 3.2Ah	Up to 4.3W	Up to 1.8W
ECU60-38E		3.2V - 3.8Ah	Up to 4.4W	Up to 2.2W
ECU60-48E		3.2V - 4.8Ah	Up to 4.4W	Up to 2.8W
ECU60-64E		3.2V - 6.4Ah	Up to 4.4W	Up to 3.6W
ECU60-76E		3.2V - 7.6Ah	-	Up to 4.4W
ECU240-16E	50-240 Volt	3.2V - 1.6Ah	Up to 2.6W	Up to 1.0W
ECU240-32E		3.2V - 3.2Ah	Up to 4.6W	Up to 1.9W
ECU240-38E		3.2V - 3.8Ah	Up to 4.8W	Up to 2.3W
ECU240-48E		3.2V - 4.8Ah	Up to 4.8W	Up to 3.0W
ECU240-64E		3.2V - 6.4Ah	Up to 4.8W	Up to 3.8W
ECU240-76E		3.2V - 7.6Ah	-	Up to 4.8W

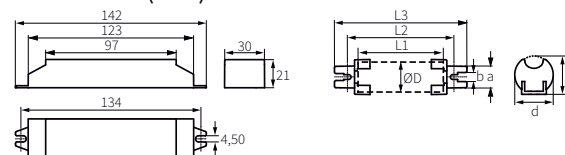
Standards

- EN 61347-1
- EN 61347-2-7
- EN 61347-2-13
- EN 55015
- EN 61000-3-2
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 60598-2-22
- According to EN 1838
- According to EN 50172

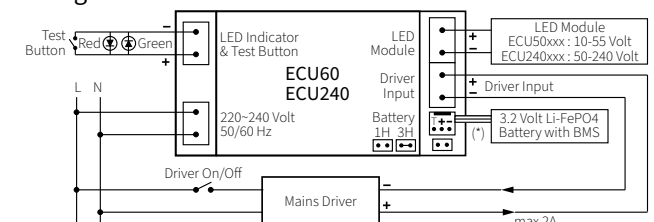
Code	Voltage	Capacity	Configuration	ØD	L1	L2	L3	a	b	c	d
BAT-HT32-1600LFL	3.2 Volt	1.6 Ah	1x18650	19	66	78 ~ 81	96	15	3~4	23	22
BAT-HT32-3200LFL	3.2 Volt	3.2 Ah	Parallel 2x18650	19	132	144 ~ 147	162	15	3~4	23	22
BAT-HT32-3800LFL	3.2 Volt	3.8 Ah	1x26650	27	72	86 ~ 89	105	19	4	32	31
BAT-HT32-4800LFL	3.2 Volt	4.8 Ah	Parallel 3x18650	19	198	210 ~ 213	228	15	3~4	23	22
BAT-HT32-6400LFL	3.2 Volt	6.4 Ah	Parallel 4x18650	19	264	276 ~ 279	294	15	3~4	23	22
BAT-HT32-7600LFL	3.2 Volt	7.6 Ah	Parallel 2x26650	27	144	158 ~ 161	177	19	4	32	31

(*) Supplied with 200mm cable connector set

Dimensions (mm)



Wiring



ECU60-DALI & ECU240-DALI



ECU60-DALI & ECU240-DALI

Series
Emergency Conversion Kits

General Specifications

- Self contained DALI-2 type emergency lighting LED driver for luminaire installation.
- Supplied with Li-FePO4 batteries.
- Slim design 21x30mm cross section.
- Selectable 1/ 3 hours emergency duration.
- Manufactured to comply with EN61347 Series.
- Non-maintained operating mode.
- ECU60 models are suitable for LED modules with the forward voltage of 10-55 Volt.
- ECU240 models are suitable for LED modules with the forward voltage of 50-240 Volt.
- Easy installation.
- 5 years guarantee. (battery 5 years)



Technical Specifications

Rated Supply Voltage	220-240 Volt AC, 50/60 Hz
AC Voltage range	185-265 Volt AC, 50/60 Hz
Power Consumption	max 5W
Output Voltage	ECU60xxx 10-55 Volt DC, ECU240xxx 50-240 Volt DC
Max Output Voltage (U-OUT)	ECU60xxx 60 Volt, ECU240xxx 250 Volt
Output Power	See table
Output Power tolerance	± 10 %
Mains / emergency threshold	According to EN 60598-2-22
Charge / Fault Indicator	Green LED lamp (with 300mm cable) Red LED lamp (battery disconnection)
Emergency Duration	Selectable 1/ 3 hours
Operating Mode	Non-maintained
Insulation Class	Class II (no earth wiring required)
Protection Class	IP20
Ambient Temperature	ta 0-55°C, tc 75°C
Terminals	0.5 to 1.5mm quick fit terminal block
Enclosure	White polycarbonate housing

Li-FePO4 Batteries & Battery Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

Ordering Details

Code	Output	Battery	Power Output @1H	Power Output @3H
ECU60-16DALI	5-55 Volt	3.2V - 1.6Ah	Up to 2.6W	Up to 1.0W
ECU60-32DALI		3.2V - 3.2Ah	Up to 4.3W	Up to 1.8W
ECU60-38DALI		3.2V - 3.8Ah	Up to 4.4W	Up to 2.2W
ECU60-48DALI		3.2V - 4.8Ah	Up to 4.4W	Up to 2.8W
ECU60-64DALI		3.2V - 6.4Ah	Up to 4.4W	Up to 3.6W
ECU60-76DALI		3.2V - 7.6Ah	-	Up to 4.4W
ECU240-16DALI	50-240 Volt	3.2V - 1.6Ah	Up to 2.6W	Up to 1.0W
ECU240-32DALI		3.2V - 3.2Ah	Up to 4.6W	Up to 1.9W
ECU240-38DALI		3.2V - 3.8Ah	Up to 4.8W	Up to 2.3W
ECU240-48DALI		3.2V - 4.8Ah	Up to 4.8W	Up to 3.0W
ECU240-64DALI		3.2V - 6.4Ah	Up to 4.8W	Up to 3.8W
ECU240-76DALI		3.2V - 7.6Ah	-	Up to 4.8W

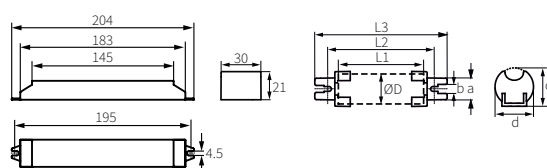
Standards

- EN 61347-1
- EN 61347-2-7
- EN 61347-2-13
- EN 55015
- EN 61000-3-2
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 60598-2-22
- According to EN 1838
- According to EN 50172

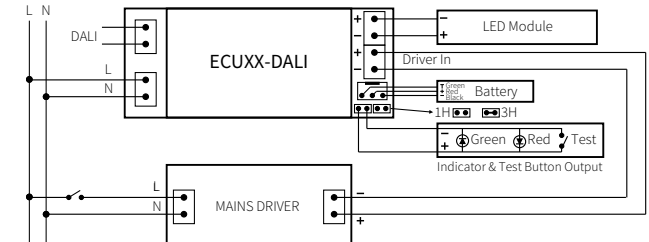
Code	Voltage	Capacity	Configuration	ØD	L1	L2	L3	a	b	c	d
BAT-HT32-1600LFL	3.2 Volt	1.6 Ah	1x18650	19	66	78 ~ 81	96	15	3~4	23	22
BAT-HT32-3200LFL	3.2 Volt	3.2 Ah	Parallel 2x18650	19	132	144 ~ 147	162	15	3~4	23	22
BAT-HT32-3800LFL	3.2 Volt	3.8 Ah	1x26650	27	72	86 ~ 89	105	19	4	32	31
BAT-HT32-4800LFL	3.2 Volt	4.8 Ah	Parallel 3x18650	19	198	210 ~ 213	228	15	3~4	23	22
BAT-HT32-6400LFL	3.2 Volt	6.4 Ah	Parallel 4x18650	19	264	276 ~ 279	294	15	3~4	23	22
BAT-HT32-7600LFL	3.2 Volt	7.6 Ah	Parallel 2x26650	27	144	158 ~ 161	177	19	4	32	31

(*) Supplied with 200mm cable connector set

Dimensions (mm)



Wiring



ELD



ELD

Emergency LED Drivers For LED Luminaires

General Specifications

- Self contained emergency lighting LED Drivers
- For luminaire installation
- For single power Led or parallel configured LED modules
- Eco, Auto-Test, DALI and closed protocol remote monitoring models
- Selectable non-maintained and maintained operation
- Switched live for switching the LED output
- Selectable emergency duration
- Nominal lifetime up to 100.000 h @ 40°C
- 5 years guarantee

Technical Specifications

Rated Supply Voltage: 220-240 Volt, 0/50-60 Hz

Charge Circuit: Smart charger circuit for Li-FePO4 battery

Charge Indicator: Green LED lamp

Fault Indicator: Red LED lamp

Emergency Duration: 1 or 3 hours

Operating Mode: Selectable Maintained / Non-maintained

Forward Voltage: 2.7 - 3.6 Volt

Max open circuit voltage: U-OUT 10 Volt (SELV)

Insulation Class: Class II

Protection Class: IP20

Temperature: ta -10/+45°C, tc 65°C

Terminals: 0.5 to 0,75mm² quick fit terminal block

Enclosure: White polycarbonate housing

Batteries & Management

- Li-FePO4 batteries
- Smart charge circuit
- Overcharge/ overdischarge protection
- Short/ open circuit protection
- Deep discharge protection
- Temperature protection
- Polarity reversal protection by connector
- Up to 10 year design life
- 3 years guarantee

Standards

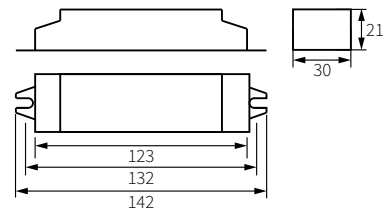
- EN 61347-1 (LVD)
- EN 61347-2-7 (LVD)
- EN 61347-2-13 (LVD)
- EN 62384 (Performance)
- EN 55015 (EMC)
- EN 61000-3-2 (EMC)
- EN 61000-3-3 (EMC)
- EN 61547 (EMC)
- According to EN 1838 (Emergency Lighting Application)
- According to EN 50172 (Emergency Lighting Application)
- According to EN 60598-2-22 (Luminaire)
- According to EN 62034 (Automatic Test)
- According to EN 62386 (DALI-2)



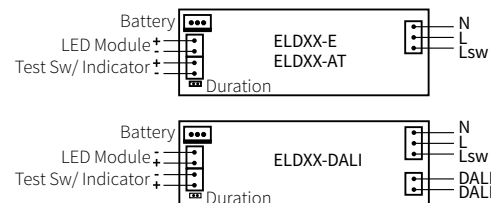
Ordering Details

Code	Type	Li-FePO4 Battery	Emergency Duration & Output Currents		
			1H	3H	8H
ELD10-E	Eco	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-E		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-E		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-E		3.2V - 3.2Ah	-	650 mA	250 mA
ELD10-AT	Auto-Test	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-AT		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-AT		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-AT		3.2V - 3.2Ah	-	650 mA	250 mA
ELD10-DALI	DALI-2	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-DALI		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-DALI		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-DALI		3.2V - 3.2Ah	-	650 mA	250 mA
ELD10-RM	Remote Monitoring	3.2V - 1.0Ah	650mA	220 mA	-
ELD16-RM		3.2V - 1.6Ah	650 mA	350mA	-
ELD20-RM		3.2V - 2.0Ah	650 mA	450 mA	-
ELD32-RM		3.2V - 3.2Ah	-	650 mA	250 mA

Dimensions (mm)



Wiring



References

ISTANBUL AIRPORT



ISTANBUL ATATURK AIRPORT



SABIHA GOKCEN AIRPORT



ACIBADEM ALTUNIZADE HOSPITALS, ISTANBUL



KING FAISAL HOSPITAL, RIYADH



ABUJA HILTON HOTELS, NIGERIA



THE MARMARA HOTEL, ISTANBUL



HYATT REGENCY ISTANBUL ATAKOY



VOYAGE HOTEL, BELEK



CONRAD HOTEL, ISTANBUL



WHITE CITY HOTEL, BAKU



BOULEVARD HOTEL, BAKU



SHERATON BATUMI HOTEL



FOUR SEASONS HOTELS BAKU



RAFFLES HOTEL, ISTANBUL



MASLAK 42 TOWER, ISTANBUL



References

SKYLAND, ISTANBUL



FLAME TOWERS, BAKU



TRUMP TOWERS, ISTANBUL



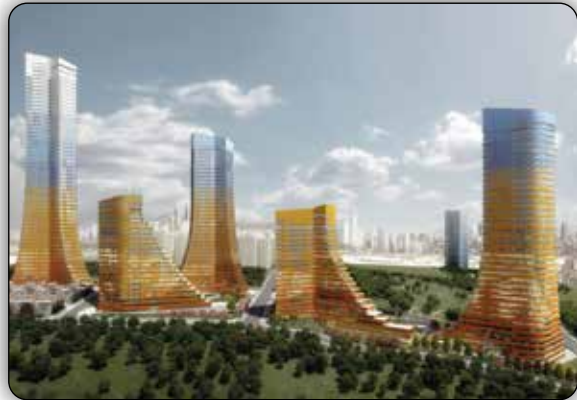
PORT BAKU TOWERS



TALAN TOWERS, ASTANA



VARYAP MERIDIAN RESIDENCES, ISTANBUL



HAYDAR ALIYEV CULTUREL CENTER, BAKU



FINANSBANK TOWERS, ISTANBUL



NIDA TOWERS, ISTANBUL



TEKFEN TOWER, ISTANBUL



MALL OF ISTANBUL



ZORLU CENTER, ISTANBUL



LEVENT 199 TOWER, ISTANBUL



NUROL LIFE TOWER, ISTANBUL



QUASAR RESIDENCES, ISTANBUL



AVENUE MALL, BAHRAIN



References

ISTINYE SHOPPING MALL, ISTANBUL



TEPE NAUTILIUS SHOPPING MALL, ISTANBUL



OPTIMUM SHOPPING MALLS, ISTANBUL



MARMARA PARK SHOPPING MALL, ISTANBUL



LIDL MARKETS



TOYOTA MOTOR MANUFACTURING TURKEY



VESTEL CITY, MANISA



MERCEDES BUS FACTORY, ISTANBUL



KUEHNE + NAGEL, GEBZE



BESIKTAS VODAFONE PARK, ISTANBUL



NATIONAL GYMNASIUM ARENA, BAKU



MARMARAY STATIONS, ISTANBUL



HIGH SPEED RAIL TERMINAL, ANKARA



ROAD TUNNELS



CAMLICA MOSQUE, ISTANBUL



GRAND MOSQUE, ALGERIA



References

PARK INN BY RADISSON AMSTERDAM CITY WEST



VOYAGES HOTEL BODRUM



HILLTOWN SHOPPING MALL IZMIR



RADISSON BLU GUDAURI



LE MERIDIEN HOTEL BATUMI



HILTON MASLAK



HILTON BATUMI



DOUBLETREE BY HILTON HOTEL ISTANBUL - PİYALEPAŞA





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