

8 LED Emergency Light

Features ■ ■ ■

- Polycarbonate housing to prevent corrosion and rust
- Clip on clearly reeded polycarbonate diffuser to provide maximum efficiency
- Light source – Super Bright White LED
- Red LED to indicate main available and battery charging
- Momentary push to test switch
- Suitable for ceiling and wall installation
- Quick and easy installation

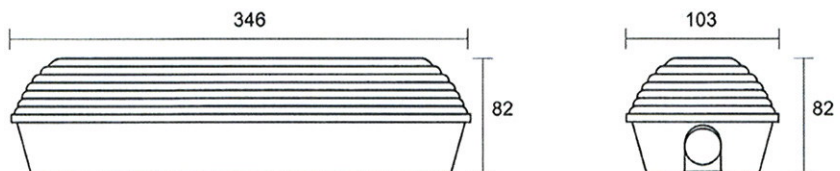
Technical Data ■ ■ ■

Model	EEL-09-8LED
Operating Voltage	240VAC
Emergency Operation Duration	Minimum 3 hours
Light Source	8 pieces Super Bright White LED
Battery	3.6V 1AH Nickel-Cadmium Battery Pack
Weight	600g
Battery Testing	Push to test switch
Indicator	Power ON red LED
Mode	Non-Maintained
Recharge period	24 Hours
Charger	Solid state charger
Enclosure material	Clear polycarbonate diffuser and polycarbonate white base

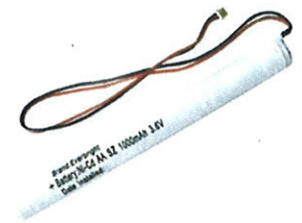
Tested & Compliant ■ ■ ■

Sirim Malaysia Certified to : MS619 & MS IEC60598.1:2003

Mechanical Dimension ■ ■ ■



Ordering Code ■ ■ ■



EEL-09-8LED

0-530-0004

8 Super Bright White LED Emergency Light c/w 3.6V 1AH Nickel-Cadmium Battery Pack

3.6V 1AH Nickel-Cadmium Battery Pack



Malaysia Bomba Approved

Manufacturer & Exporter :



Supply By :



nonstop power sdn bhd (822490-P)

no, 25 jalan usahawan 2/1, taman perdagangan elmina, 47000 sungai buloh, selangor darul ehsan malaysia.

tel +(60)3 - 6039 8899 fax +(60)3 - 6193 0485

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website www.nonstoppower.com



Features ■■■

- Consume 80% less energy
- Minimum maintenance
- Even light illumination of sign
- LED's - 10 years life expectancy
- Rust free and corrosion free
- Super bright LED light sources

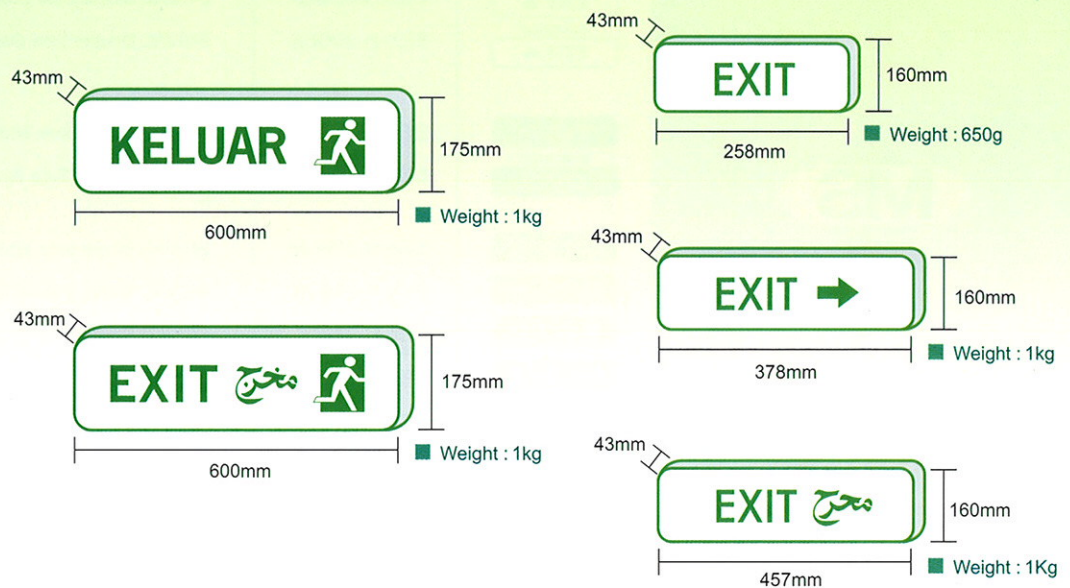
Technical Data ■■■

Operating Voltage	240VAC
Emergency Operation Duration	Minimum 4 hours
Light Source	Super bright LED
Battery	3.6V 1AH Nickel Cadmium
Battery Testing	Push to test switch
Indicator	Power ON red LED
Mode	Maintain
Recharge period	24 Hours
Charger	Solid state charger
Enclosure material	Engineering ABS

Tested & Compliant ■■■

SIRIM Malaysia certified to : IEC 60598, MS983 &MS619

Mechanical Dimension & Weight ■■■



**Malaysia Bomba
Approved**



CERTIFICATE NO. 29692



nonstop power sdn bhd 4002290-P)

no, 25 jalan usahawan 2/1, taman perdagangan elmina, 47000 sungai buloh, selangor darul ehsan malaysia.
tel +(60)3 - 6039 8899 fax +(60)3 - 6193 0485 email sales@nonstoppower.com website www.nonstoppower.com

SLIM LINE LED EXIT SIGN



Features ■■■

- 180° adjustable mounting position
- Consume 80% less energy
- Minimum maintenance
- Even light illumination of sign
- LED lifetime of 25 years
- Rust free and corrosion free
- Super bright LED light sources

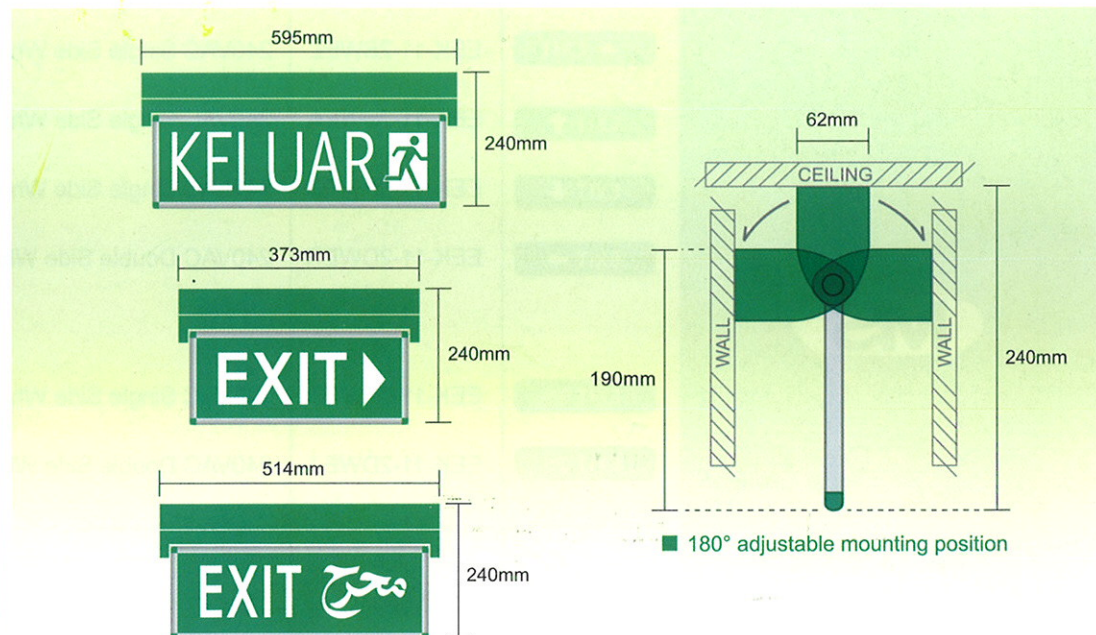
Technical Data ■■■

Operating Voltage	240VAC
Emergency Operation Duration	Minimum 4 hours
Light Source	Super bright LED
Battery	3.6V 1AH Nickel Cadmium
Battery Testing	Push to test switch
Indicator	Power ON red LED
Mode	Maintain
Recharge period	24 Hours
Charger	Solid state charger
Enclosure material	Engineering ABS
Mounting position	180° adjustable

Tested & Compliant ■■■

SIRIM Malaysia certified to : IEC 60598 & MS983

Mechanical Dimension, Weight & Mounting ■■■



**Malaysia Bomba
Approved**



Manufacturer & Exporter :



EVERBRIGHT ELECTRONICS SDN BHD

50, Jalan Satria 2, Taman Titiwangsa, 86000 Kluang, Johor, Malaysia.
TEL : 607-772 9785 FAX : 607-772 9786 EMAIL : ebright@tm.net.my
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SLIM LINE LED EXIT SIGN



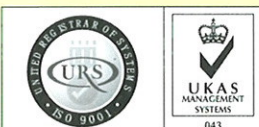
Ordering Code ■ ■ ■

Legends	Model	Description
KELUAR	EEK-11-2SWKM	240VAC Single Side White Legend LED Keluar Sign - Man Running
KELUAR →	EEK-11-2 SWKR	240VAC Single Side White Legend LED Keluar Sign - Arrow Right
← KELUAR	EEK-11-2SWKL	240VAC Single Side White Legend LED Keluar Sign - Arrow Left
KELUAR ↑	EEK-11-2SWKA	240VAC Single Side White Legend LED Keluar Sign - Arrow Ahead
KELUAR ↓	EEK-11-2SWKD	240VAC Single Side White Legend LED Keluar Sign - Arrow Down
KELUAR →	EEK-11-2DWKR	240VAC Double Side White Legend LED Keluar Sign - Arrow
EXIT	EEK-11-2SWEX	240VAC Single Side White Legend LED Exit Sign
EXIT →	EEK-11-2SWER	240VAC Single Side White Legend LED Exit Sign - Arrow Right
← EXIT	EEK-11-2SWEL	240VAC Single Side White Legend LED Exit Sign - Arrow Left
EXIT ↑	EEK-11-2SWEA	240VAC Single Side White Legend LED Exit Sign - Arrow Ahead
EXIT ↓	EEK-11-2SWED	240VAC Single Side White Legend LED Exit Sign - Arrow Down
EXIT →	EEK-11-2DWER	240VAC Double Side White Legend LED Exit Sign - Arrow
EXIT	EEK-11-2SWEJ	240VAC Single Side White Legend LED Arabic Exit Sign
EXIT	EEK-11-2DWEJ	240VAC Double Side White Legend LED Arabic Exit Sign
0-530-0004		3.6V 1AH Nickel-Cadmium Battery Pack



SIRIM

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URS is a member of Registrar of Standards (Holdings) Ltd.
CERTIFICATE NO. 29692

Manufacturer & Exporter :



EVERBRIGHT ELECTRONICS SDN BHD

50, Jalan Satria 2, Taman Titiwangsa, 86000 Kluang, Johor, Malaysia.
TEL : 607-772 9785 FAX : 607-772 9786 EMAIL : ebright@tm.net.my
www.everbrightelectronics.com



LOW INTENSITY RED LED OBSTRUCTION LIGHT

Description

The Everbright obstruction light is the FAA type L810 LED based red obstruction light. It is used for night time obstruction marking of tall structure for television, radio, communication, microwave, transmission line tower, building and any structure that may present hazard to aircraft navigation as specified by DCA Malaysia, FAA and ICAO.

A dual system is recommended when a structure is located in an urban area or location where the failure of a single unit could create an unsafe condition and in remote area where maintenance cannot be performed within a reasonable time. A transfer relay may be used to switch to spare unit.

Features

- High energy efficient, which make it suitable for solar power system
- LED technology using 1 watt high flex LED
- Minimum peak effective intensity of 33 candela
- LED last years longer than an incandescent
- Resistance to weather, corrosion, shock and vibration
- Threaded 1 inch hub for easy mounting
- Light housing is made of high grade aluminum alloy and stainless steel hardware
- Polycarbonate material was used for the transparent luminaries to prevent get faded due to UV radiation of sun
- Efficient secondary optics is induced to generate lens effect for proper light beam in horizontal plane
- Long life LED lights, 5 years manufacture warranty
- Line voltage transient protection
- Available in single or dual unit
- Available in various operating voltage

Specifications

Input voltage	220 ~ 240 VAC
Current	496 mA
Power	114 W
Photometric	Beam spread : 360° horizontal , 3° minimum vertical Effective intensity : ≥ 32 Candela
Surge	Complied to ANSI/IEEE C62.41-1991, Table 4, category C1
Base Material	Cast aluminum
Lens	Heat resistant clear Polycarbonate PC
Dimension	Single : 115mm (W) x 280mm (H) Double : 400mm (W) x 400mm (H)
Weight	Single : 3.2 kg Double : 8.0 kg
Environment Temperature	±55°C
Humidity	95% relative humidity

Ordering Codes

EOL-15-L810	240 VAC Single low intensity L810 red LED obstruction light
EOL-15-A810	110 VAC Single low intensity L810 red LED obstruction light
EOL-15-K810	24 VDC Single low intensity L810 red LED obstruction light
EOL-15-D810	240 VAC Dual low intensity L810 red LED obstruction light c/w aluminum support
EOL-15-T810	110 VAC Dual low intensity L810 red LED obstruction light c/w aluminum support



Single low intensity LED obstruction light



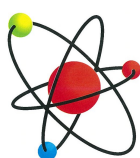
Dual low intensity LED obstruction light

Certified & compliant

ETL certified to :
FAA AC No.: 150/5345-43E

Compliant to :
Canadian Aviation
Regulation CAR 621.19
ICAO Annex - 14, July 1990

Approved by



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MEDIUM INTENSITY RED LED OBSTRUCTION LIGHT

Description

The Everbright obstruction light is the FAA type LED based red flashing obstruction light. This fixture is used for nighttime obstruction marking of tall structure for television, radio, communication, microwave, transmission line tower, building and any structure that may present hazard to aircraft navigation as specified by DCA Malaysia, FAA, ICAO and DGAC.

Features

- High energy efficient, which make it suitable for solar power system
- LED technology using 1 watt high flex LED
- Minimum peak effective intensity of 2000 candela
- LED last years longer than an incandescent
- Resistance to weather, corrosion, shock and vibration
- Threaded 1 inch hub for easy mounting
- Light housing is made of high grade aluminum alloy and stainless steel hardware
- Polycarbonate material was used for the transparent luminaries to prevent get faded due to UV radiation of sun
- Efficient secondary optics is induced to generate lens effect for proper light beam in horizontal plane
- Long life LED lights, 5 years manufacture warranty
- Available in two operating voltage



Specifications

Input voltage	220 ~ 240 VAC
Current	800 mA
Power	184 W
Photometric	Beam spread : 360° horizontal , 3° minimum vertical Effective intensity : ≥ 1600 Candela (ICAO), $2000 \pm 25\%$ (FAA)
Surge	Complied to ANSI/IEEE C62.41-1991, Table 4, category C1
Base Material	Cast aluminum
Lens	Heat resistant clear Polycarbonate PC
Dimension	380mm(W) x 420mm(H)
Weight	19.4 kg
Environment Temperature	$\pm 55^{\circ}\text{C}$
Humidity	95% relative humidity

Ordering Codes

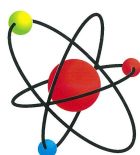
EOL-15-L864	240 VAC Medium intensity red LED obstruction light
EOL-15-A864	110 VAC Medium intensity red LED obstruction light

Certified & compliant

ETL certified to :
FAA AC No.: 150/5345-43F

Compliant to :
Canadian Aviation
Regulation CAR 621.19
ICAO Annex – 14, July 1990

Approved by



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5-YEAR WARRANTY PERIOD



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LED OBSTRUCTION LIGHT

LOW INTENSITY RED LED OBSTRUCTION LIGHT

Model	EOL - 15- L810	EOL - 15- A810	EOL - 15- K810
Operating Voltage	240VAC 50Hz	110VAC	24VDC
Light Sources	1 Watt high flex red LED		
FAA Type	L-810		
ICAO Type	Low intensity red LED obstruction light		
Weight	3.2 kg		



DUAL LOW INTENSITY RED LED OBSTRUCTION LIGHT

Model	EOL - 15- D810	EOL - 15- T810
Operating Voltage	240VAC 50Hz	110VAC
Light Sources	1 Watt high flex red LED	
FAA Type	L-810	
ICAO Type	Low intensity red LED obstruction light	
Weight	8 kg	



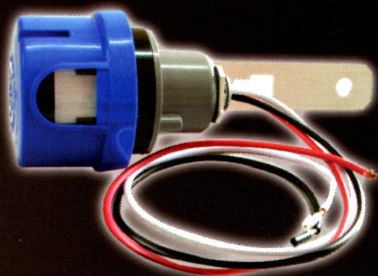
MEDIUM INTENSITY RED LED OBSTRUCTION LIGHT

Model	EOL - 15- L864	EOL - 15- A864
Operating Voltage	240VAC 50Hz	110VAC
Light Sources	1 Watt high flex red LED	
FAA Type	L-864	
ICAO Type	Medium intensity red LED obstruction light	
Weight	19.4 kg	



PHOTOELECTRIC CONTROL

Model	EOL - 15- PCLS
Operating Voltage	240VAC 50Hz
Sensor	Silicon Light Sensor
Turn On	35 Foot - candles
Turn Off	58 Foot - candles



LED OBSTRUCTION LIGHT CONTROL PANEL

Model	Type of LED Obstruction Light
EOL - 15 - LP10	EOL - 15- L810
EOL - 15 - DP20	EOL - 15- D810
EOL - 15 - LP14	EOL - 15- L864
EOL - 15 - AP10	EOL - 15- A810
EOL - 15 - TP20	EOL - 15- T810
EOL - 15 - AP14	EOL - 15- A864
Weight	12.2 kg



5-YEAR WARRANTY PERIOD



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LED EMERGENCY LIGHT

PORTABLE MULTI PURPOSE LED EMERGENCY LIGHT

Model	EEL – 09 – PML
Battery	Rechargeable Ni - Cad 3.6V 2Ah
Light Sources	3.6V MR16 Super Bright White LED
Mounting	Build in Magnet - Stick on Any Metal Surface
Battery Duration	10 Hours
Weight	0.58 kg



RECESS MOUNT LED EMERGENCY LIGHT

Model	EES – 09 – 8LR	EEL – 09 – 16LR	EEL – 09 – 24LR
Number of LED	8 LED	16 LED	24 LED
Battery	3.6V 1AH NiCad	3.6V 1AH NiCad	3.6V 1AH (x2) NiCad
Operating Voltage	240VAC 50Hz		
Light Sources	Super Bright White LED		
Emergency Duration	3 Hours Minimum		
Mode	Non - Maintained		
Housing	Polycarbonate		



SURFACE MOUNT LED EMERGENCY LIGHT

Model	EEL – 09 – 8LED	EEL – 09 – 16LED	EEL – 09 – 24LED
Number of LED	8 LED	16 LED	24 LED
Battery	3.6V 1AH NiCad	3.6V 1AH NiCad	3.6V 1AH (x2) NiCad
Light Sources	Super Bright White LED		
Operating Voltage	240VAC 50Hz		
Emergency Duration	3 Hours Minimum		
Mode	Non - Maintained		
Housing	Polycarbonate		



WALL MOUNT LED EMERGENCY LIGHT

Model	EEL – 09 – F3LED	EEL – 09 – F2LED
Operating Voltage	240VAC	240VAC
Number of Light Head	3 Heads	2 Heads
Light Sources	3.6V MR16 Super Bright White LED	3.6V MR16 Super Bright White LED
Battery	3.6V 1AH x 4NiCad	3.6V 1AH x 2NiCad
Emergency Duration	3 Hours	3 Hours



MR16 LED EMERGENCY LIGHT

Model	EEL – 09 – MR16
Operating Voltage	240VAC 50Hz
Light Sources	3.6V MR16 Super Bright White LED
Battery	3.6V 1AH NiCad
Emergency Duration	4 Hours Minimum
Mode	Non - Maintained
Housing	Polycarbonate
Mounting	Recess Mount



5-YEAR WARRANTY PERIOD



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LED EXIT SIGN

BOX TYPE LED EXIT SIGN

Model	EEX - 11 - 2SWKM EEX - 11 - 2SWKR EEX - 11 - 2SWKL	EEX - 11 - 2SGEX EEX - 11 - 2SGER EEX - 11 - 2SGEL	EEX - 11 - 2DWKR EEX - 11 - 2DGER
LED Colour Face	White Single Side	Green Single Side	Green, White Double Side
Legend	  	  	 
Operating Voltage Light Sources Battery Housing Emergency Duration	240VAC 50Hz Super Bright LED 3.6V 1 AH NiCad ABS Engineering Plastic 4 Hours Minimum		



SLIM LINE LED EXIT SIGN

Model	EEK - 11 - 2SWKM EEK - 11 - 2SWKR EEK - 11 - 2SWKL	EEK - 11 - 2SWEX EEK - 11 - 2SWER EEK - 11 - 2SWEL	EEK - 11 - 2DWKR EEK - 11 - 2DWER
Face	Single Side	Single Side	Double Side
Legend	  	  	 
Operating Voltage Light Sources Battery Housing Emergency Duration Mounting Position LED Colour	240VAC 50Hz Super Bright LED 3.6V 1 AH NiCad ABS Engineering Plastic 4 Hours Minimum Wall Mount and Ceiling Mount (180° Adjustable) White		



Model: **BE1ST 20L**

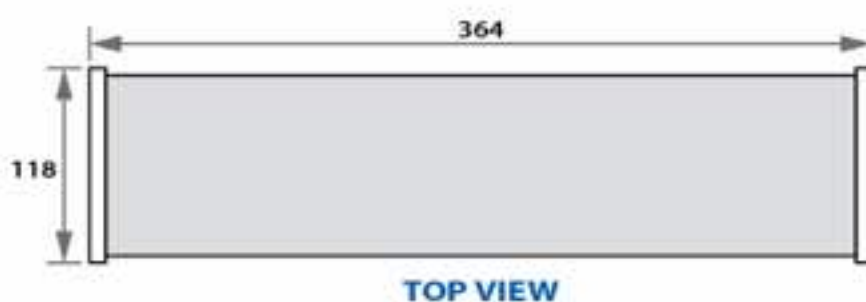


Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.02A / \leq 2.4W / \leq 0.45 PF$
Mode of Operation	Non-Maintained	Classification	Class I
Lamp	LED 10 pieces X 0.2W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 1.1 KG$

Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619-2-22:2005**
MS IEC 60598-1:2012

CERTIFIED BY **SIRIM QAS INTERNATIONAL SDN. BHD.**
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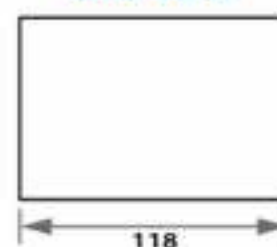


Dimension in **mm**
Tolerance : $\pm 0.03mm$

Surface Mounting



SIDE VIEW



Model: **BE1ST 12L-S**



Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.02A / \leq 2.4W / \leq 0.45 PF$
Mode of Operation	Non-Maintained	Classification	Class II
Lamp	LED 10 pieces X 0.2W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 0.35 KG$

Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619-2-22:2005**
MS IEC 60598-1:2012

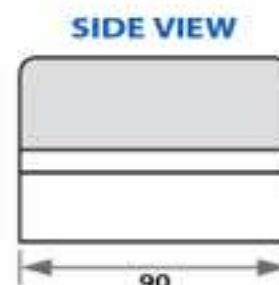
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TOP VIEW



FRONT VIEW



SIDE VIEW

Dimension in **mm**
Tolerance : **$\pm 0.03mm$**

Surface Mounting

Model: **BE1ST 20L-P**

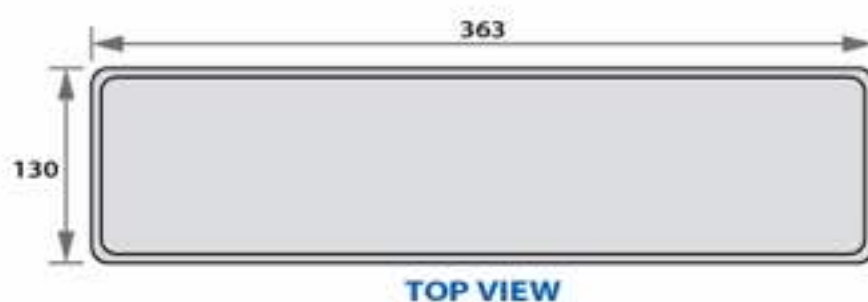


Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.02A / \leq 2.4W / \leq 0.45 PF$
Mode of Operation	Non-Maintained	Classification	Class I
Lamp	LED 10 pieces X 0.2W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 0.5 KG$

Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619-2-22:2005**
MS IEC 60598-1:2012

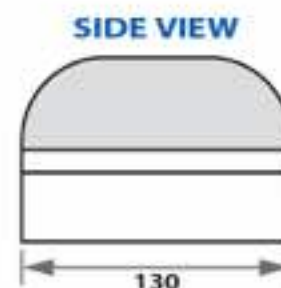
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TOP VIEW



FRONT VIEW



SIDE VIEW

Dimension in **mm**
Tolerance : $\pm 0.03mm$

Surface Mounting

Model: **BE1ST 12L-44P**

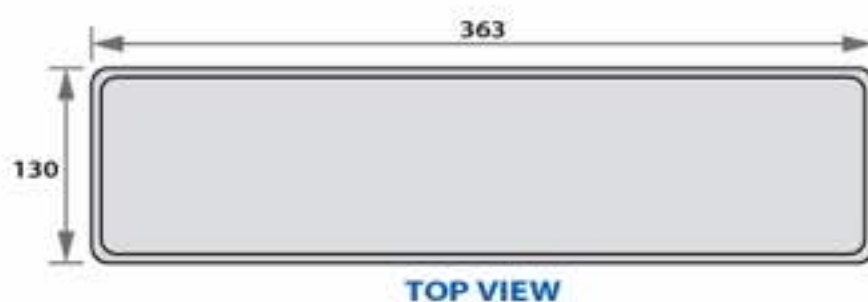


Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.015A / \leq 2.56W / \leq 0.7 PF$
Mode of Operation	Non-Maintained	Classification	Class II
Lamp	LED 12 pieces X 0.05W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 0.5 KG$

Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619: Part 102.22:1985(P)**
MS IEC 60598-1:2006

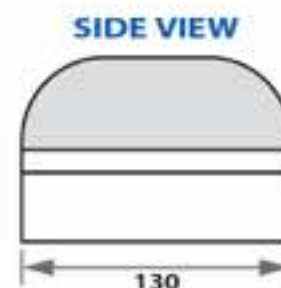
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JABATAN BOMBA DAN PENYELAMAT MALAYSIA



TOP VIEW



FRONT VIEW



SIDE VIEW

Dimension in **mm**
Tolerance : $\pm 0.03mm$

Surface Mounting

Model : **BE1ST 20L-R**

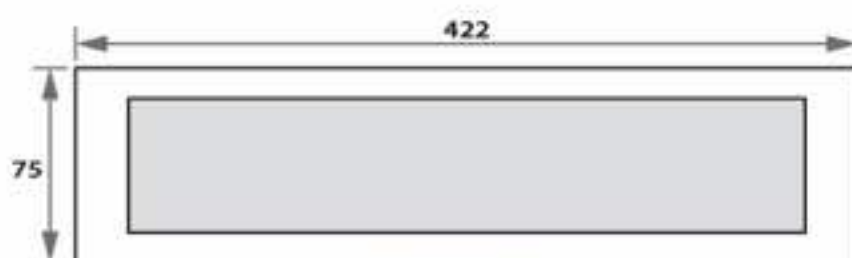


Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.02A / \leq 2.4W / \leq 0.45 PF$
Mode of Operation	Non-Maintained	Classification	Class I
Lamp	LED 10 pieces X 0.2W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 1.6 KG$

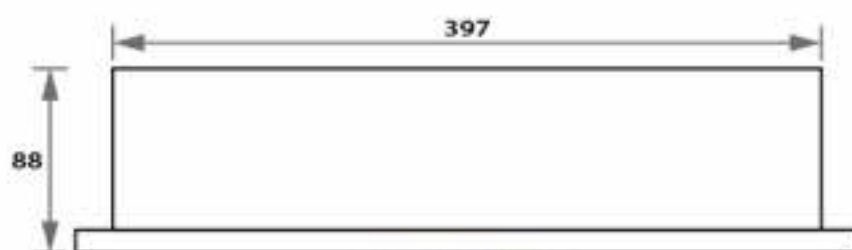
Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619-2-22:2005**
MS IEC 60598-1:2012

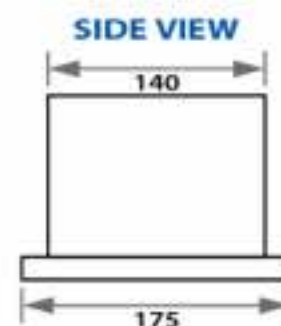
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TOP VIEW



FRONT VIEW



SIDE VIEW

Dimension in **mm**
Tolerance : $\pm 0.03mm$

Recessed Mounting

Model: **BE1ST FIREFLY-R**



Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.02A / \leq 2.4W / \leq 0.45 PF$
Mode of Operation	Non-Maintained	Classification	Class I
Lamp	LED 1 piece X 3W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 0.20 KG$

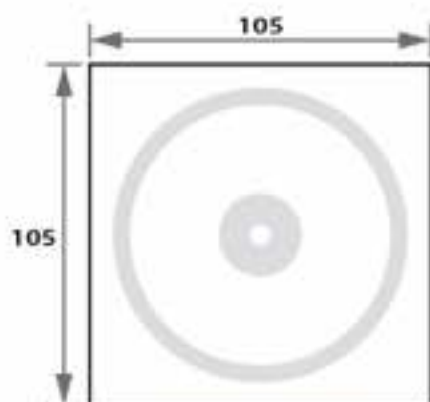
Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619-2-22:2005**
MS IEC 60598-1:2012

CERTIFIED BY **SIRIM QAS INTERNATIONAL SDN. BHD.**
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Dimension in **mm**
Tolerance : **$\pm 0.03mm$**

Recessed Mounting



SQUARE DISC



ROUND DISC

Ceiling opening for
both Round & Square
required : **85mm**



Model: **BE1ST FIREFLY-S**



Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.02A / \leq 2.4W / \leq 0.45 PF$
Mode of Operation	Non-Maintained	Classification	Class I
Lamp	LED 1 piece X 3W	Degree of Protection	IP 20
Battery	Ni-Cd AA 3.6V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 0.38 KG$

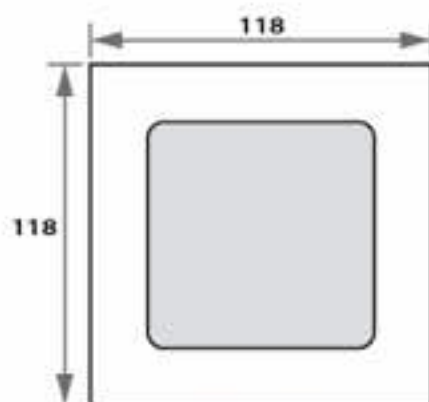
Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 619-2-22:2005**
MS IEC 60598-1:2012

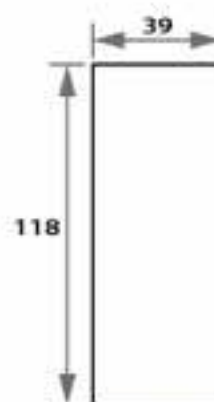
CERTIFIED BY **SIRIM QAS INTERNATIONAL SDN. BHD.**
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

Dimension in **mm**
Tolerance : **$\pm 0.03mm$**

Surface Mounting



TOP VIEW



SIDE VIEW

Model: **BE1ST 101B**
(Single Sided View)



Model: **BE1ST 101B-S**
(Single Sided View)



Model: **BE1ST 101B-L**
(Double Sided View)



Model: **BE1ST 101B-R**
(Double Sided View)



Input Supply	220 - 240V 50/60Hz	Rating	$\leq 0.04A / \leq 5W / \leq 0.45 PF$
Mode of Operation	Maintained	Classification	Class I
Lamp	LED 20 pieces X 0.2W	Degree of Protection	IP 20
Battery	Ni-Cd AA 4.8V 1000mAh	Max. Operating Temperature (Ta)	35°C
Emergency Duration	Min. 3 Hours	Recommended Mounting Height	Min. 2.3m
Recharge Period	24 Hours	Weight	$\triangleq 1.5 KG$

Construction **Electro-galvanised Sheet Steel Casing with Epoxy Powder Coated**

Test Standard **MS 983:2004
MS 619-2-22:2005
MS IEC 60598-1:2012**

CERTIFIED BY **SIRIM QAS INTERNATIONAL SDN. BHD.
JABATAN BOMBA DAN PENYELAMAT MALAYSIA**

Dimension in **mm**
Tolerance : **$\pm 0.03mm$**

Wall Mounting

