



SELF-CONTAINED WHITE LED EMERGENCY EXIT LIGHT

... is designed to be slim and lightweight, low power consumption, low EMI and specially equipped with a customised proprietary Hybrid IC and super bright white LED and longer life-span. Easy and fast installation.

Suitable for Factories, Schools, Sports Stadiums, Banks, Club Houses, Hotels, Computer Rooms, Offices, Public Halls, Hospitals, Apartments, Warehouses, Carparks, etc.

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% A: 0.34 PF: 0.77
BATTERY	: 2.4V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1.5W SMT NICHIA White LED or T5 white LED tube
RATED PERIOD	: > 2 hrs, 3 hrs or others
MODE	: Maintained
OPERATION TEMPERATURE	: ta 40 $^{\circ}$ C
POWER CONSUMPTION	: 4.6W
CHARGE MONITOR	: Super bright Green LED 5mm \emptyset
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: > 8 cd/m ²
ELECTROMAGNETIC FIELD	: 17m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm \emptyset K/O hole, Fire Retardant Acrylic Opal diffuser
DIMENSION	: 358mm(L) x 60(W) x 278mm(H)
WEIGHT	: 2.80kg (Net) / 3.00kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 415mm(L) x 70mm(W) x 295mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013, SSIEC 60598-2-22: 2016
WARRANTY	: 1 Year
ACCESSORY	: Wall mounting bracket (for single face)

ORDERING INFORMATION

LEGEND	SINGLE FACE MODEL	FRONT LEGEND	BACK LEGEND	DOUBLE FACE MODEL
EXIT	SLED-X1-001	EXIT	EXIT	SLED-X1-002
◀EXIT	SLED-X1-011	◀EXIT	EXIT ▶	SLED-X1-012
EXIT ▶	SLED-X1-021	EXIT ▶	◀EXIT	SLED-X1-022
◀EXIT ▶	SLED-X1-031	◀EXIT ▶	◀EXIT ▶	SLED-X1-032

(1) Other signs are available upon request
(2) Colours are available upon request

Note: Due to continuous development and improvement, our company reserves the right to change specification without notice.

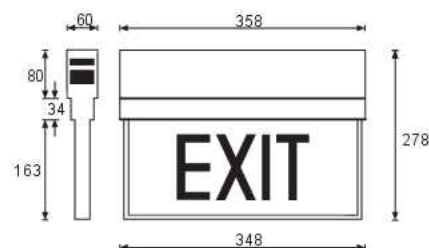


SLED-X1



HYBRID IC CONTROLLED
SELF-CONTAINED EMERGENCY LIGHTING
SUPER BRIGHT SMT NICHIA WHITE LED
LUMINAIRE

DIMENSION (mm)





SELF-CONTAINED WHITE LED EMERGENCY EXIT LIGHT

... is designed to be slim and lightweight, low EMI and specially equipped with a customised proprietary Hybrid IC and super bright white LED and longer life-span. Easy and fast installation.

Suitable for shopping Centre, Malls, Restaurants, Computer Rooms, Offices, Banks, Cinemas, Public Halls, Auditoriums, Hotels, Shops, Supermarkets, Hospitals, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz $\pm 10\%$ A: 0.34 PF: 0.77
BATTERY	: 2.4V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1.8W SMT NICHIA White LED or T5 White LED tube > 50,000 hrs
RATED PERIOD	: > 2 hrs, 3 hrs or others
MODE	: Maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: 4.6W
CHARGE MONITOR	: Super bright Green LED 5mm ϕ
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: > 8 cd/m ²
ELECTROMAGNETIC FIELD	: 17m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm ϕ K/O hole, Fire Retardant Acrylic Opal diffuser
DIMENSION	: 475mm(L) x 92mm(W) x 270mm(H)
WEIGHT	: 2.70kg(Net) / 2.80kg(Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 495mm(L) x 105mm(W) x 310mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013. SSIEC 60598: Part 1: 2016
WARRANTY	: 1 Year

SLR 158/308



IP 20

HYBRID
CHARGE

Hybrid Charge

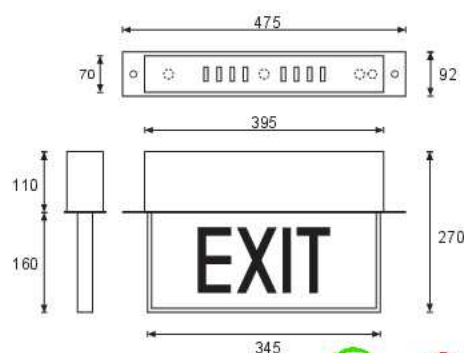


HYBRID IC CONTROLLED
SELF-CONTAINED EMERGENCY LIGHTING
SUPER BRIGHT SMT NICHIA WHITE LED
LUMINAIRE (RECESSED MOUNTING)

ORDERING INFORMATION

LEGEND	SINGLE FACE MODEL	FRONT LEGEND	BACK LEGEND	DOUBLE FACE MODEL
EXIT	SLR 158-001	EXIT	EXIT	SLR 308-002
◀EXIT	SLR 158-011	◀EXIT	EXIT▶	SLR 308-012
EXIT▶	SLR 158-021	EXIT▶	◀EXIT	SLR 308-022
◀EXIT▶	SLR 158-031	◀EXIT▶	◀EXIT▶	SLR 308-032

DIMENSION (mm)



(1) Other signs are available upon request
(2) Colours are available upon request



SELF-CONTAINED WHITE LED EMERGENCY EXIT LIGHT



... is designed and specially equipped with a customised proprietary Hybrid IC. Compact and lightweight. Easy and fast installation with the thumb-press quick lock fastening system cuts down installation/maintenance time drastically.

Suitable for Factories, Schools, Sports Stadiums, Banks, Offices, Public Halls, Hospitals, Apartments, Warehouses, Carparks, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 240Vac 50/60Hz ± 10%, 115Vac 50/60Hz ± 10% or others
BATTERY	: 2.4V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: SMT White LED
RATED PERIOD	: > 2 hrs, 3 hrs or others
MODE	: Maintained
OPERATION TEMPERATURE	: ta 40 ° C
POWER CONSUMPTION	: 4.6W
CHARGE MONITOR	: Super bright green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: > 8 cd/m ²
ELECTROMAGNETIC FIELD	: 17m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm Ø K/O hole, Fire Retardant Acrylic Opal diffuser
DIMENSION	: 370mm(L) x 80mm(W) x 165mm(H)
WEIGHT	: 2.60kg (Net) / 2.70kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 390mm(L) x 100mm(W) x 180mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013. SSIEC 60598: PART 1: 2016.
WARRANTY	: 1 Year

ELS 115M-LED-SMT

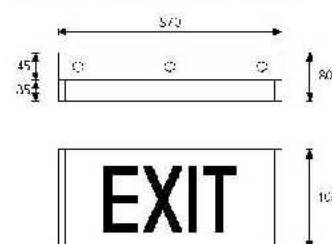


HYBRID IC CONTROLLED
SELF-CONTAINED EMERGENCY LIGHTING
SUPER BRIGHT SMT WHITE LED LUMINAIRE

ORDERING INFORMATION

LEGEND	MODEL
EXIT	ELS 115M-LED-SMT-00
◀EXIT	ELS 115M-LED-SMT-01
EXIT▶	ELS 115M-LED-SMT-02
◀EXIT▶	ELS 115M-LED-SMT-03

DIMENSION (mm)



(1) Other signs are available upon request
(2) Colours are available upon request

SELF-CONTAINED WHITE LED EMERGENCY EXIT LIGHT



... is designed to be lightweight, low power consumption, low EMI and specially equipped with a customised proprietary Hybrid IC and super bright white LED and longer life-span. Easy and fast installation.

Suitable for general outdoor & indoor application.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz ± 10% or 115Vac 50/60Hz ± 10% or others
BATTERY	: 2.4V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1 x 2WT5 White LED Tube or Super Bridge SMT White LED
RATED PERIOD	: 2 hrs, 3 hrs or others
MODE	: Maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: < 4.6 W
CHARGE MONITOR	: Super bright green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: > 8 cd/m ²
ELECTROMAGNETIC FIELD	: 17m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Moulded Fire Retardant ABS housing with 20mm Ø K/O hole and Acrylic diffuser
DIMENSION	: 370mm (L) x 185mm (W) x 95mm (H)
WEIGHT	: 1.50kg (Net) / 1.60kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 400mm (L) x 210mm (W) x 110mm (H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010 / A1:2013. SSIEC60598-2-22:2016 SSIEC50598: Part 1: 2016
WARRANTY	: 1 Year

ELW 115-LED-T5



IP65

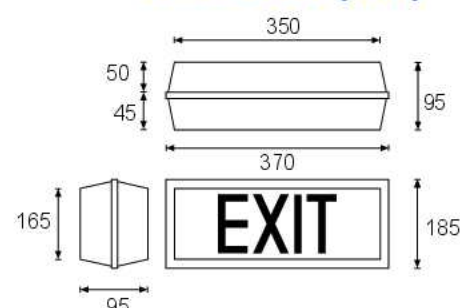


*HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY EXIT LIGHTING
SUPER BRIGHT SMT NICHIA WHITE LED
LUMINAIRE*

ORDERING INFORMATION

LEGEND	MODEL
EXIT	ELW 115-LED-T5-00
◀EXIT	ELW 115-LED-T5-01
EXIT▶	ELW 115-LED-T5-02
	ELW 115-LED-T5-05

DIMENSION (mm)



(1) Other signs are available upon request
(2) Colours are available upon request





SELF-CONTAINED LED EMERGENCY LIGHTING

... is designed an specially equipped with a customised proprietary Hybrid IC and super bright white LED and longer life-span. Easy and fast installation.

Suitable for Factories, Schools, Sports Stadiums, Offices, Public Halls, Apartments, Warehouses, Carpakrs, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz ± 10% A: 0.34 PF: 0.77
BATTERY	: 2.4V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1 x T5 White LED Tube
RATED PERIOD	: > 2 hrs, 4 hrs & others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: < 2.2 W
CHARGE MONITOR	: Super bright green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 75 lm
ELECTROMAGNETIC FIELD	: 17m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Moulded Fire Retardant ABS base PC diffuser
DIMENSION	: 340mm (L) x 120mm (W) x 70mm (H)
WEIGHT	: 1.40kg (Net) / 1.60kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 340m (L) x 10mm (W) x 140mm (H)
COMPLIANCE	: SS563-1: 2010, SS563-2: 2010/A1: 2013, SSIEC60598-2-22:2016, SSIEC 60598: Part 1:2016
WARRANTY	: 1 Year

EEP 115P-NM-LED-T5

IP 20

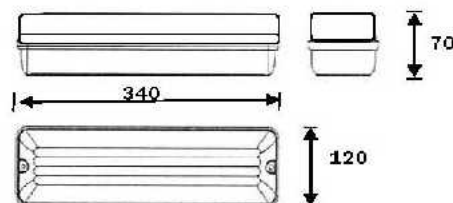


HYBRID IC CONTROLLED
SELF-CONTAINED EMERGENCY LIGHTING
SUPER BRIGHT SMT WHITE LED LUMINAIRE

ORDERING INFORMATION

MODEL	LAMP USED	RATED PERIOD
EEP115P-NM-LED-T5	1xT5 LED Tube	2 Hrs ± 10%
EEP215P-NM-LED-T5	2xT5 LED Tube	2 Hrs ± 10%

DIMENSION (mm)





SELF-CONTAINED WHITE LED EMERGENCY LIGHTING

... is designed an specially equipped with a customised proprietary Hybrid IC and super bright white LED and longer life-span. Easy and fast installation.

Suitable for Factories, Schools, Sports Stadiums, Offices, Public Halls, Apartments, Warehouses, Carpakrs, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% A: 0.34 PF: 0.77
BATTERY	: 2.4V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1 x T5 White LED Tube
RATED PERIOD	: > 2 hrs, 4 hrs & others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: < 2.2 W
CHARGE MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 75 Lumen
ELECTROMAGNETIC FIELD	: 17m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Moulded Fire Retardant ABS base PC diffuser
DIMENSION	: 340mm (L) x 120mm (W) x 70mm (H)
WEIGHT	: 1.40kg (Net) / 1.60kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 360mm (L) x 130mm (W) x 85mm (H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010 / A1:2013. SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

EEW 115P-LED-T5

IP 65

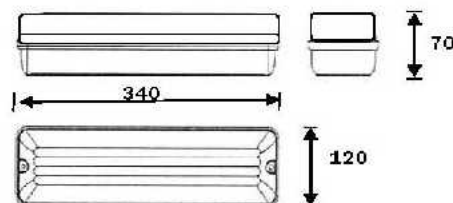


HYBRID IC CONTROLLED
SELF-CONTAINED EMERGENCY LIGHTING
SUPER BRIGHT SMT WHITE LED LUMINAIRE

ORDERING INFORMATION

MODEL	LAMP USED	RATED PERIOD
EEW 115NM-P-LED-T5	1xT5 White LED Tube	3Hrs \pm 10%
EEW 215NM-P-LED-T5	2xT5 White LED Tube	2Hrs \pm 10%

DIMENSION (mm)





SELF-CONTAINED WHITE LED EMERGENCY DOWN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Small and aesthetically in design. Easy installation. Snap in and flush mount firmly onto ceiling/panel. It stays inconspicuously and maintains the original interior decoration of the premises.

Suitable for Banks, Computer Rooms, Offices, Cinemas, Hotels, Shops, Supermarkets, etc.



EHL 101-LED

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz ± 10% or 115Vac 50/60Hz ± 10% or others
BATTERY	: High temp rated Nickel Cadmium cells 2.4V 1.6Ah or others
LAMP USED	: 1 W SMT NICHIA White LED
RATED PERIOD	: > 4 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 25° C
POWER CONSUMPTION	: 1.3W
CHARGE/FAULT MONITOR	: Super bright Green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 28 lm
ELECTROMAGNETIC FIELD	: 6.9m gauss@0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse, Circuit Protection Fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Moulded Fire Retardant PC + UV housing.
DIMENSION	: 97mm(L) x 97mm(W) x 102mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 110mm(L) x 110mm(W) x 120mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010 / A1:2013. SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

IP 20

HYBRID
www.samcom.sg

Hybrid Charge

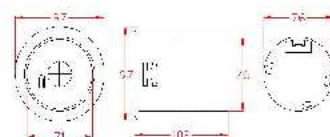


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LED DOWN LIGHT
SUPER BRIGHT 1W SMT NICHIA WHITE
LED LAMP LOW POWER CONSUMPTION

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	GROSS WEIGHT
EHL 101-LED	1 W SMT White LED	1.6 Ah	2 hrs ± 10%	0.45 kg

DIMENSION





SELF-CONTAINED WHITE LED EMERGENCY DOWN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Small and aesthetically in design. Easy installation. Snap in and flush mount firmly onto ceiling/panel. It stays inconspicuously and maintains the original interior decoration of the premises.

Suitable for Banks, Computer Rooms, Offices, Cinemas, Hotels, Shops, Supermarkets, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz or 115Vac 50/60Hz or others
BATTERY	: High temp rated Nickel Cadmium cells 2.4V 1.6Ah or others
LAMP USED	: 4 x 0.25W SMT NICHIA White LED
RATED PERIOD	: > 4 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: < 1.3 W
CHARGE/FAULT MONITOR	: Super bright Green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 27 lm
ELECTROMAGNETIC FIELD	: 6.9m gauss@0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse, Circuit Protection Fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating
DIMENSION	: 123mm (D1) x 64mm (D2) x 75mm (H)
WEIGHT	: 0.50kg (Net) 0.54kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 135mm(L) x 135mm(W) x 120mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013, SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	GROSS WEIGHT
EHL 101M-LED	4x0.25W SMT White LED	1.6 Ah	6 hrs \pm 10%	0.54 kg

EHL 101M-LED

IP 20

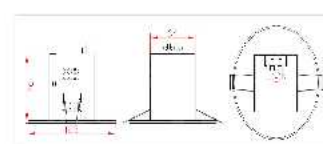
HYBRID
www.samcom.sg

Hybrid Charge



HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LED DOWN LIGHT
SUPER BRIGHT 4 x 0.25W SMT NICHIA
WHITE LED LAMP LOW POWER
CONSUMPTION

DIMENSION



D1

D2



SELF-CONTAINED WHITE LED EMERGENCY DOWN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Small and aesthetically in design. Easy installation. Snap in and flush mount firmly onto ceiling/panel. It stays inconspicuously and maintains the original interior decoration of the premises.

Suitable for Banks, Computer Rooms, Offices, Cinemas, Hotels, Shops, Supermarkets, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: High temp rated Nickel Cadmium cells 2.4V 2.5Ah or others
LAMP USED	: 1W SMT White LED or 3W Super Bright LED Module, Light Output 280 lm
RATED PERIOD	: > 3 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: t_a 40° C
POWER CONSUMPTION	: 1.4W
CHARGE/FAULT MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 27 lm
ELECTROMAGNETIC FIELD	: 6.9m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse, Circuit Protection Fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating
DIMENSION	: 200mm(L) x 63mm(W) x 45mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 420mm(L) x 90mm(W) x 90mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010 / A1:2013. SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

EHL 109-LED

IP 20

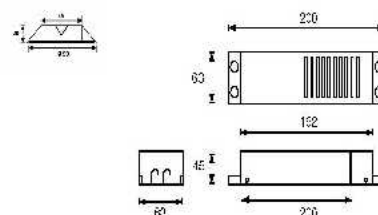


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LED DOWN LIGHT
SUPER BRIGHT 1W SMT NICHIA WHITE LED
LAMP LOW POWER CONSUMPTION

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	GROSS WEIGHT
EHL 109-LED	1W SMT White LED	2.5 Ah	3 hrs \pm 10%	1.45 kg
EHL 136-LED	3W Super Bright LED	2.5 Ah	2 hrs \pm 10%	1.45 kg

DIMENSION





SELF-CONTAINED WHITE LED EMERGENCY DOWN LIGHT



... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Small and aesthetically in design. Easy installation. It stays inconspicuously and maintains the original interior decoration of the premises.

Suitable for Banks, Computer Rooms, Offices, Cinemas, Hotels, Shops, Supermarkets, etc.

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: High temp rated Nickel Cadmium cells 2.4V 2.5Ah
LAMP USED	: 1W SMT White LED or 3W Super Bright LED Module, Light Output 280 lm
RATED PERIOD	: > 3 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: \pm 40° C
POWER CONSUMPTION	: 1.3W
CHARGE/FAULT MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 27 lm
ELECTROMAGNETIC FIELD	: 6.9m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse, Circuit Protection Fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating
DIMENSION	: 185mm(L) x 185mm(W) x 70mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 190mm(L) x 190mm(W) x 80mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013, SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

EHS 109-LED-SQ

P 20

HYBRID
www.samcom.com

Hybrid Charge

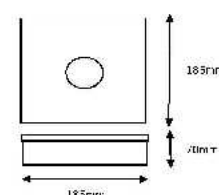


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY SQUARE LED DOWN LIGHT SUPER
BRIGHT 1W SMT NICHIA WHITE LED LAMP LOW
POWER CONSUMPTION (SURFACE MOUNTING)

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	GROSS WEIGHT
EHS 109-LED-SQ	1W SMT White LED	2.5 Ah	3 hrs \pm 10%	1.45 kg
EHS 136-LED-SQ	3W Super Bright LED	2.5 Ah	2 hrs \pm 10%	1.45 kg

DIMENSION (mm)





SELF-CONTAINED WHITE LED EMERGENCY DOWN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Small and aesthetically in design. Easy installation. It stays inconspicuously and maintains the original interior decoration of the premises.

Suitable for Banks, Computer Rooms, Offices, Cinemas, Hotels, Shops, Supermarkets, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: High temp rated Nickel Cadmium cells 2.4V 2.5Ah
LAMP USED	: 1W SMT NICHIA White LED
RATED PERIOD	: > 3 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: < 1.4 W
CHARGE/ FAULT MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 27 lm
ELECTROMAGNETIC FIELD	: 6.9m gauss@0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse, Circuit Protection Fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating
DIMENSION	: 112mm \varnothing x 170mm (H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 120mm(L) x 120mm(W) x 185mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010 / A1:2013. SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

EHS 109-LED-CLD

IP 20

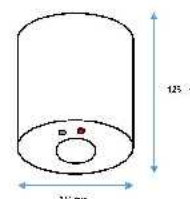


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY SQUARE LED DOWN LIGHT SUPER
BRIGHT 1W SMT NICHIA WHITE LED LAMP LOW
POWER CONSUMPTION (SURFACE MOUNTING)

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	WEIGHT
EHS 109-LED-CLD	1 W SMT White LED	2.5 Ah	3 hrs \pm 10%	1.45 kg

DIMENSION





SELF-CONTAINED WHITE LED EMERGENCY TWIN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Compact and lightweight. Easy to install. Portable, allows flexibility in usage. Adjustable twin lamp allows flexibility in angle of projection.

Suitable for Shops, Supermarkets, Factories, Schools, Banks, Computer Rooms, Offices, Public Halls, Restaurants, Hospitals, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230/240Vac 50/60Hz±10% or 115Vac 50/60Hz±10% or others
BATTERY	: 2.4V 2.5Ah HightTemp Rated Nickel Cadmium cells.
LAMP USED	: 2 x SMT NICHIA White LED
RATED PERIOD	: > 2 hrs, 3 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40 °C
POWER CONSUMPTION	: < 1.4W
CHARGE MONITOR	: Super bright Green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 88 lm
ELECTROMAGNETIC FIELD	: 8.7m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Mounted Fire Retardant ABS housing 20mm Ø K/O hole Fire Retardant ABS Lamp Head
DIMENSION	: 305mm(L) x 95mm(W) x 136mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 315mm(L) x 100mm(W) x 145mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010 / A1:2013, SSIEC 60598-2-22:2016, SSIEC60598:Part 1:2016
WARRANTY	: 1 Year

ETL 201P-LED

IP 20

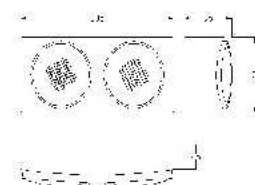


*HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LED TWIN LIGHT
SUPER BRIGHT 1W SMT NICHIA WHITE
LED LAMP LOW POWER CONSUMPTION*

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	WEIGHT GROSS
ETL 201P-LED	2 x SMT White LED	2.5 AH	3 hrs ± 10%	2.2 kg

DIMENSION (mm)





SELF-CONTAINED WHITE LED EMERGENCY TWIN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Compact and lightweight. Easy to install. Portable, allows flexibility in usage. Adjustable twin lamp allows flexibility in angle of projection.

Suitable for Shops, Supermarkets, Factories, Schools, Banks, Computer Rooms, Offices, Public Halls, Restaurants, Hospitals, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230/240Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 2.4V 2.5Ah/4.5Ah High Temp Rated Nickel Cadmium cells

LAMP USED	: 2 x SMT NICHIA White LED (T = 3W)
RATED PERIOD	: >3 hrs, 4 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40 °C
CHARGE MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 240 lm (5000K)
ELECTROMAGNETIC FIELD	: 8.7m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm \varnothing K/O hole Fire Retardant ABS Lamp Head
DIMENSION	: 285mm(L) x 95mm(W) x 310mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 310mm(L) x 100mm(W) x 335mm(H)
COMPLIANCE	: CP 19-2000, SS263-2/A2:2008, SS 563-2:2010
WARRANTY	: 1 Year

ETL 208 - LED

IP 20

HYBRID
WWWWWW

Hybrid Charge

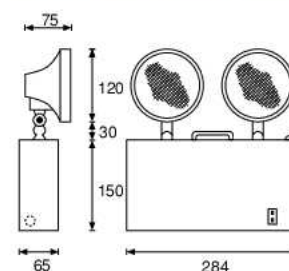


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LED TWIN LIGHT
SUPER BRIGHT NICHIA WHITE LED LAMP
LOW POWER CONSUMPTION

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	WEIGHT
ETL 208-LED-2ND	2 x SMT White LED	2.5 AH	2 hrs	2.0 kg
ETL 208-LED-4ND	2 x SMT White LED	4.5 AH	4 hrs	2.3 kg

DIMENSION (mm)





SELF-CONTAINED WHITE LED EMERGENCY TWIN LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Compact and lightweight. Easy to install. Portable, allows flexibility in usage. Adjustable twin lamp allows flexibility in angle of projection.

Suitable for Shops, Supermarkets, Factories, Schools, Banks, Computer Rooms, Offices, Public Halls, Restaurants, Hospitals, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230/240Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 2.4V 2.5Ah or 4.5Ah High Temp Rated Nickel Cadmium Cells
LAMP USED	: 2 x SMT NICHIA White LED (T = 3W)
RATED PERIOD	: > 3 hrs, 4 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40 °C
CHARGE MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 50 Lux (1m - 90 °)
ELECTROMAGNETIC FIELD	: 8.7m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Moulded Fire Retardant ABS Housing Cast Aluminium Lamp Head
DIMENSION	: 290mm(L) x 90mm(W) x 340mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 310mm(L) x 100mm(W) x 350mm(H)
COMPLIANCE	: CP 19-2000, SS263 : Part 2, IEC 598-2-22
WARRANTY	: 2 Years

ETL 208-LED-WP

IP 65

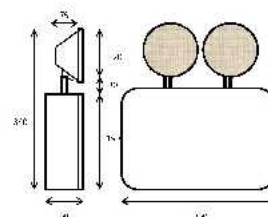


*HYBRID IC CONTROLLED SELF-CONTAINED
WEATHERPROOF EMERGENCY TWIN LIGHT*

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	GROSS WEIGHT
ETL 208-LED-WP-2ND	2 x SMT White LED	2.5 AH	3 hrs \pm 10%	2.00 kg
ETL 208-LED-WP-4ND	2 x SMT White LED	4.5 AH	5 hrs \pm 10%	2.30 kg

DIMENSION (mm)





SELF-CONTAINED EMERGENCY LED SINGLE LIGHT

... is designed with low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in operation. Compact and lightweight. Easy to install. Portable, allows flexibility in usage. Adjustable twin lamp allows flexibility in angle of projection.

Suitable for Shops, Supermarkets, Factories, Schools, Banks, Computer Rooms, Offices, Public Halls, Restaurants, Hospitals, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230/240Vac 50/60Hz±10% or 115Vac 50/60Hz±10% or others
BATTERY	: 2.4V 2.5Ah High Temp Rated Nickel Cadmium cells
LAMP USED	: 1 x SMT NICHIA White LED
RATED PERIOD	: >3 hrs, 4 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: < 1.4 W
CHARGE MONITOR	: Super bright Green LED 5mm Ø
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 43lm
ELECTROMAGNETIC FIELD	: 7m gauss@0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm Ø K/O hole Fire Retardant ABS Lamp Head
DIMENSION	: 135mm(L) x 95mm(W) x 310mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 390mm(L) x 100mm(W) x 180mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013, SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	WEIGHT
ESS 108-LED	1 x SMT White LED	2.5 AH	3 hrs	2.0 kg

ESS 108 - LED

IP 20

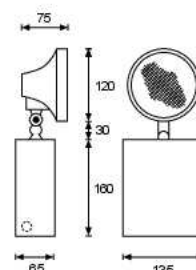
HYBRID
WWWWWW

Hybrid Charge



HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LED SINGLE LIGHT
SUPER BRIGHT SMT NICHIA WHITE LED
LAMP LOW POWER CONSUMPTION

DIMENSION (mm)





SELF-CONTAINED LED EMERGENCY LIGHTING

... is designed with very low EMI and specially equipped with a customised proprietary Hybrid IC for higher reliability and greater efficiency in usage. Adjustable lamp allows flexibility in angle of projection.

Suitable for Shops, Supermarkets, Factories, Schools, Banks, Computer Rooms, Offices, Public Halls, Restaurants, Hospitals, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz $\pm 10\%$ or 115Vac 50/60Hz $\pm 10\%$ or others
BATTERY	: High temp. rated Nickel Cadmium cell 2.5V 2.5AH or others
LAMP USED	: SMT White LED
RATED PERIOD	: > 3 hrs or others
MODE	: Non-maintained
OPERATION TEMPERATURE:	ta 40° C
POWER CONSUMPTION	: < 1.4 W
CHARGE MONITOR	: Super bright Green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE:	43 lm
ELECTROMAGNETIC FIELD:	6.9m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm \varnothing K/O hole Fire Retardant ABS Lamp Head
DIMENSION	: 185mm(L) x 185mm(W) x 215mm(H)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 190mm(L) x 190mm(W) x 220mm(H)
COMPLIANCE	: SS563-1:2010, SS563-2:2010/A1:2013, SSIEC60598-2-22:2016 SSIEC60598: Part 1: 2016
WARRANTY	: 1 Year

ESL 108-LED

IP 20

HYBRID
www.samcom.com

Hybrid Charge

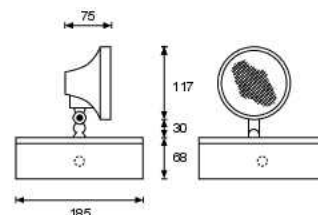


HYBRID IC CONTROLLED SELF-
CONTAINED LED EMERGENCY LIGHTING
SURFACE/RECESS SINGLE LAMP

ORDERING INFORMATION

MODEL	LAMP USED	BATTERY CAPACITY	DURATION	GROSS WEIGHT
ESL 108-LED	SMT White LED	2.5 AH	3 hrs $\pm 10\%$	1.6 kg

DIMENSION (mm)





SELF-CONTAINED LED EMERGENCY LIGHTING

... is designed and specially equipped with SAMCOM Model EMK Power Pack to achieve higher reliability and greater efficiency in operation. Available in either 1 x 9W, 2 x 9W 1 x 18W, 2 x 18W or other LED lamps and in maintained, non-maintained or sustained mode to assure continuous operation during emergency.

Suitable for House Entrances, Balconies, Staircases, Corridors, Children's Rooms, Gardens, Bathrooms, Shelters, Parking Lots, Factories, Offices, Hotels, Pedestrian Passages, etc.



EML 120-LED-BATTEN

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 6V2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: Philips' Essential LED tube T8 8W (600mm), 16W (1200mm) or Others
RATED PERIOD	: 1 hr, 2 hrs, 3 hrs \pm 10% or others
MODE	: Sustained/Combined Maintained/Maintained or Non-maintained
OPERATION TEMPERATURE	: ta 40 ° C
POWER CONSUMPTION	: 3.3W / 8W (2') / 16W (4')
CHARGE MONITOR	: Super bright green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: Design range from 20 ~ 100%
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge
	Incoming AC fuse and Battery DC fuse
	Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Electrode galvanised sheet steel
DIMENSION	: 1280mm(L) x 105mm(W) x 100mm(H) (EML 140M)
PACKING	: One unit per carton
COMPLIANCE	SS263 : Part 2/A2: 2008, SS563-2: 2010/A1:2013
WARRANTY	: 1 Year

IP 20



HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LIGHTING LED LAMP

ORDERING INFORMATION

MODEL	LAMP USED	MODE
EML 120M-LED-BATTEN	1 x 2FT	Maintained
EML 120NM-LED-BATTEN	1 x 2FT	Non-Maintained
EML 220S-LED-BATTEN	2 x 2FT	Sustained
EML 140M-LED-BATTEN	1 x 4FT	Maintained
EML 140NM-LED-BATTEN	1 x 4FT	Non-Maintained
EML 240S-LED-BATTEN	2 x 4FT	Sustained





SELF-CONTAINED LED EMERGENCY LIGHTING

... is designed and specially equipped with SAMCOM Model EMK Power Pack to achieve higher reliability and greater efficiency in operation. Available in either 1 x 2ft, 1 x 4ft or other LED lamps and in maintained, non-maintained or sustained mode to assure continuous operation during emergency.

Suitable for House Entrances, Balconies, Staircases, Corridors, Children's Rooms, Gardens, Bathrooms, Shelters, Parking Lots, Factories, Offices, Hotels, Pedestrian Passages, etc.

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 6V2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: Philips' Essential LED tube T8 9W (600mm), 16W (1200mm) or Others
RATED PERIOD	: 1 hr, 2 hrs, 3 hrs \pm 10% or others
MODE	: Sustained/Combined Maintained/Maintained or Non-maintained
OPERATION TEMPERATURE	: ta 40° C
POWER CONSUMPTION	: 3.3W / 9W (2') / 16W (4')
CHARGE MONITOR	: Super bright green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: Design range from 20 ~ 100%
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Housing and diffuser
DIMENSION	: 1280mm (L) x 105mm (W) x 100mm (H) (EML 140M)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 1300mm (L) x 110mm (W) x 110mm (H)
COMPLIANCE	: SS263 : Part 2/A2: 2008, SS563-2: 2010/A1:2013
WARRANTY	: 1 Year



EML 140-LED-DIAKON

IP 20

HYBRID
HYBRID CHARGE

Hybrid Charge



HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY DIAKON LIGHTING LED LAMP

ORDERING INFORMATION

MODEL	LAMP USED	MODE
EML 120M-LED-DIAKON	1 x 2FT	Maintained
EML 120NM-LED-DIAKON	1 x 2FT	Non-Maintained
EML 220S-LED-DIAKON	2 x 2FT	Sustained
EML 140M-LED-DIAKON	1 x 4FT	Maintained
EML 140NM-LED-DIAKON	1 x 4FT	Non-Maintained
EML 240S-LED-DIAKON	2 x 4FT	Sustained



SELF-CONTAINED LED EMERGENCY LIGHTING

... is designed and specially equipped with SAMCOM Model EMK Power Pack to achieve higher reliability and greater efficiency in operation. Available in either 1 x 4ft or other LED lamps and in maintained or combined-maintained mode to assure continuous operation during emergency.

Suitable for House Entrances, Balconies, Staircases, Corridors, Children's Rooms, Gardens, Bathrooms, Shelters, Parking Lots, Factories, Offices, Hotels, Pedestrian Passages, etc.

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz $\pm 10\%$ or 115Vac 50/60Hz $\pm 10\%$ or others
BATTERY	: 6V2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: LED tube T8 18W (1200mm) or Others
RATED PERIOD	: 1 hr, 2 hrs, 3 hrs $\pm 10\%$ or others
MODE	: Sustained/Combined Maintained/Maintained or Non-maintained
OPERATION TEMPERATURE	: ta 40 °C
POWER CONSUMPTION	: 11W / 24W
CHARGE MONITOR	: Super bright green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: Design range from 10 ~ 100%
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Moulded Fire Retardant ABS Housing & Polycarbonate Diffuser
COMPLIANCE	: CP 19, SS263 : Part 2, IEC 598-2-22, AS 2293
PACKING	: One unit per carton
WARRANTY	: 1 Year

ORDERING INFORMATION

MODEL	LAMP USED	MODE
EML 140M-LED- WP	1 x 18W	Maintained
EML 240CM-LED-WP	2 x 18W	Combined-Maintained



EML 140M-LED-WP

IP 65

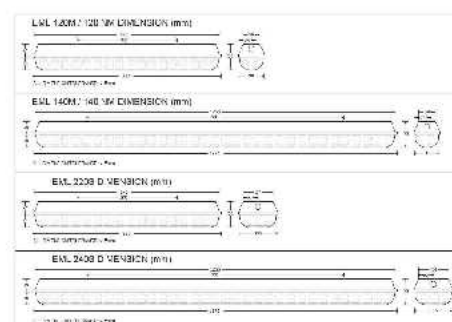
HYBRID
www.samcom.sg

Hybrid Charge



HYBRID IC CONTROLLED SELF-CONTAINED
LED EMERGENCY WEATHERPROOF
LIGHTING

DIMENSION (mm)



... is designed and specially equipped with SAMCOM Model EMK Power Pack to achieve higher reliability and greater efficiency in operation.

Suitable for House Entrances, Balconies, Staircases, Corridors, Children's Rooms, Gardens, Bathrooms, Shelters, Parking Lots, Factories, Offices, Hotels, Pedestrian Passages, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 6.0V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1 x 16W Cool White LED others
RATED PERIOD	: 1 hr, 2 hrs \pm 10% or others
MODE	: Maintained
OPERATION TEMPERATURE	: ta 40 °C
POWER CONSUMPTION	: < 25VA
CHARGE MONITOR	: Super bright green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: > 23,500 cd/m ²
ELECTROMAGNETIC FIELD	: 16m gauss @ 0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid circuit
CONSTRUCTION	: Moulded ABS housing and diffuser
DIMENSION	: 300mm(L) x 300mm(W) x 85mm(H)
WEIGHT	: 2.5kg (Net) / 2.6kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 310mm(L) x 310mm(W) x 95mm(H)
COMPLIANCE	: CP 19, SS263 : Part 2, IEC 598-2-22, AS 2293
WARRANTY	: 1 Year

EPL 116-LED-SQ

IP 54

HYBRID
www.samcom.com

Hybrid Charge

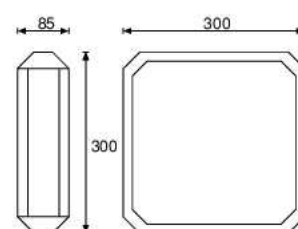


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LIGHTING LED LAMP

ORDERING INFORMATION

MODEL	LAMP USED
EPL 116-LED-SQ	1 x 16W

DIMENSION (mm)



... is designed and specially equipped with SAMCOM Model EMK Power Pack to achieve higher reliability and greater efficiency in operation.

Suitable for House Entrances, Balconies, Staircases, Corridors, Children's Rooms, Gardens, Bathrooms, Shelters, Parking Lots, Factories, Offices, Hotels, Pedestrian Passages, etc.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 6.0V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 1 x 18W Day Light / Warm White LED others
RATED PERIOD	: 1 hr, 2 hrs \pm 10% or others
MODE	: Maintained
OPERATION TEMPERATURE	: ta 40 °C
POWER CONSUMPTION	: < 25VA
CHARGE MONITOR	: Super bright green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: 900 lm
ELECTROMAGNETIC FIELD	: 16m gauss @0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid circuit
CONSTRUCTION	: Moulded ABS housing and diffuser
DIMENSION	: 360mm (\varnothing) x 82mm(H)
WEIGHT	: 2.5kg (Net) / 2.6kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 390mm(L) x 390mm(W) x 95mm(H)
COMPLIANCE	: CP 19, SS263 : Part 2, IEC 598-2-22, AS 2293
WARRANTY	: 1 Year

EPL 118-LED-R

IP54

HYBRID
www.samcom.com

Hybrid Charge

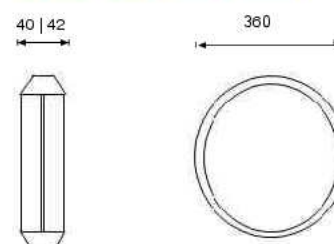


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LIGHTING LED LAMP

ORDERING INFORMATION

MODEL	LAMP USED
EPL 118-LED-R	1 x 18W

DIMENSION (mm)



SELF-CONTAINED EMERGENCY LIGHTING MODULE



.... Is specially designed to be very compact and small in size. With this small size advantage, it can be easily installed into various types of fluorescent luminaire fittings. It is equipped with a Hi-temperature Nickel Cadmium battery pack and a super bright LED charge indicator.

The built-in customised proprietary Hybrid IC circuitry enhances reliability and efficiency in operation.



TECHNICAL CHARACTERISTICS

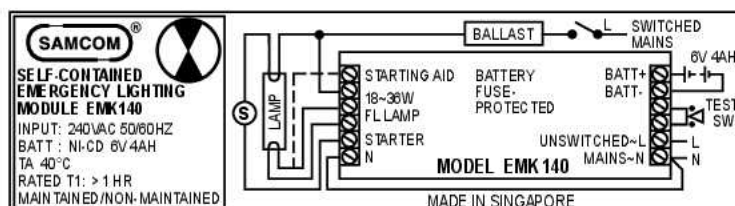
INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 4.8V 2.5AH/4.5AH or 6V 2.5AH/4.5AH or 7.2V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: FL tube 14W~20W,28W~40W,58W~65W, 4 pins PLC,PLL,2D or others
RATED PERIOD	: 1 hr, 2 hrs \pm 10% or others
MODE	: Maintained/Non-Maintained
OPERATION TEMPERATURE	: ta 40 $^{\circ}$ C
POWER CONSUMPTION	: 3.3W
CHARGE MONITOR	: Super bright green LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE	: Design from 20 ~ 100%)
ELECTROMAGNETIC FIELD	: 16m gauss@0.1m
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid circuit
CONSTRUCTION	: Aluminium case / EG steel with polyster coated case
TESTING FACILITY	: Push Button
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 330mm (L) x 90mm (W) x 50mm (H)
COMPLIANCE	: IEC 61347-2-7: 2000
WARRANTY	: 1 Year

EMK 120/140

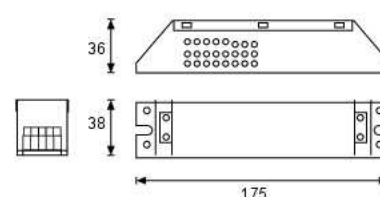


HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LIGHTING MODULE FOR
FLUORESCENT LAMP

MARKING AND WIRING DIAGRAM



DIMENSION (mm)



SELF-CONTAINED EMERGENCY LIGHTING MODULE



.... Is specially designed to be very compact and small in size. With this small size advantage, it can be easily installed into various types of LED luminaries fittings. It is equipped with a Hi-temperature Nickel Cadmium battery pack and a super bright LED charge indicator. The built-in customised proprietary Hybrid IC circuitry enhances reliability and efficiency in operation.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 230Vac 50/60Hz \pm 10% or 115Vac 50/60Hz \pm 10% or others
BATTERY	: 6V 2.5AH/4.5AH High temp rated Nickel Cadmium cells or others
LAMP USED	: 8W~18WT8 LED Tube (110V ~ 230V)
RATED PERIOD	: > 1 hr, 2 hrs, 3 hrs or others
MODE	: Maintained/ Non-maintained
OPERATION TEMPERATURE:	ta 40° C
POWER CONSUMPTION	: 3.3W
CHARGE MONITOR	: Super bright red LED 5mm \varnothing
RECHARGE PERIOD	: 16 ~ 24 hrs
EMERGENCY LUMINANCE:	Design range from 20~50%
CHARGER	: Hybrid controlled charger
PROTECTION	: Low volt cut-off to prevent battery over discharge Incoming AC fuse and Battery DC fuse Tropical climate protection coating on hybrid control circuit
CONSTRUCTION	: Aluminium case
TESTING FACILITY	: Push Button
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 330mm(L) x 90mm(W) x 50mm(H)
COMPLIANCE	: IEC 61347-2-7: 2000
WARRANTY	: 1 Year

EMK 140-LED

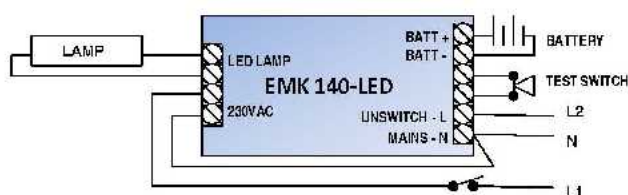
HYBRID
www.samcom.com

Hybrid Charge

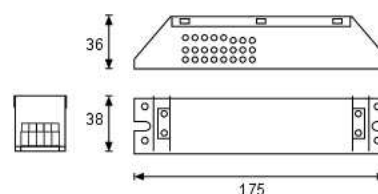


*HYBRID IC CONTROLLED SELF-CONTAINED
EMERGENCY LIGHTING MODULE FOR T8
LED LAMP*

MARKING AND WIRING DIAGRAM



DIMENSION (mm)



... is designed & equipped for general warning sign.

TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 24Vdc \pm 20%
INPUT CURRENT	: < 0.08A
LAMP USED	: 2 x SMT White LED or others
MODE	: Electronic Flashing
OPERATION TEMPERATURE	: ta 40 °C
POWER CONSUMPTION	: < 2W
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm \varnothing k/o hole
DIMENSION	: 370mm(L) x 80mm(W) x 165mm(H)
WEIGHT	: 1.80kg (Net) / 2.00kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 390mm(L) x 100mm (W) x 180mm(H)



EFL 2412-LED-SMT

LEDWARNING SIGN
(with Electronic Flashing Circuit)

BL 2430-LED-SMT

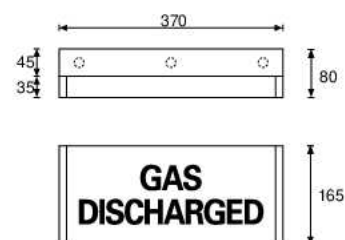
LED WARNING SIGN w/o Flashing

IP 30

ORDERING INFORMATION

MODEL	LAMP USED	MODE
BL 2430-LED-SMT	2 x SMT White LED	Non-Flashing
EFL 2412-LED-SMT	2 x SMT White LED	Electronic Flashing

DIMENSION (mm)



(1) Other signs are available upon request
(2) Colours are available upon request

... is designed and equipped for general warning sign.



TECHNICAL CHARACTERISTICS

INPUT VOLTAGE	: 24Vdc ± 20%
INPUT CURRENT	: < 0.08A
LAMP USED	: 2 x 1.8W WHITE LED Tube or others
MODE	: Electronic Flashing
OPERATION TEMPERATURE	: ta 40 °C
POWER CONSUMPTION	: < 2W
CONSTRUCTION	: Electrode galvanised sheet steel with epoxy powder coating 20mm Ø K/O hole Fire Retardant Acrylic Opal diffuser
DIMENSION	: 370mm (L) x 100mm (W) x 185mm (H)
WEIGHT	: 1.35kg (Net) / 1.50kg (Gross)
PACKING	: One unit per carton
CARTON / DIMENSION	: Double wall corrugated / 400mm (L) x 110mm (W) x 210mm (H)



EFL 2412-LED-T5-WP

LED WARNING SIGN
(with Electronic Flashing Circuit)

BL 2430-LED-T5-WP

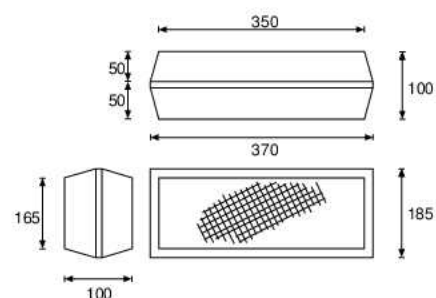
LED WARNING SIGN

IP65

ORDERING INFORMATION

MODEL	LAMP USED	MODE
BL 2430-LED-T5-WP	2 x 1.8W T5 White LED	Non-Flashing
EFL 2412-LED-T5-WP	2 x 1.8W T5 White LED	Electronic Flashing

DIMENSION (mm)



(1) Other signs are available upon request
(2) Colours are available upon request

RECOMMENDED MAINTENANCE/ TESTING PROCEDURES



Half-yearly procedures

Observe that the self-contained emergency, luminaires and EXIT signs function satisfactorily. Replace any defective lamp.

Annually procedures

- (a) Operate the self-contained emergency luminaires and exit signs from the battery supply until extinguished due to operation of the automatic low voltage cut-off device. Investigate and repair or replace any luminaire which fails to operate satisfactorily.
- (b) Clean all light-emitting and/or reflecting surfaces.
- (c) Replace any defective lamp.

Battery Replacement

The replacement of batteries in self-contained emergency luminaires and exit signs shall be carried out in accordance with the following requirements:

- (a) When more than one battery is utilized the complete set of batteries shall be replaced;
- (b) Batteries removed from one luminaire shall not be used as replacements in another luminaire;
- (c) Replacement batteries must all be of the same type as originally installed or equivalent.

Definitions

There are three main types of emergency lighting in the range:

Non-maintained : Luminaires containing one or more lamps which operate from the emergency supply only upon failure of the normal AC supply.

Maintained : Luminaires containing one or more lamps which operate from the normal AC supply or from the emergency supply at all times.

Sustained/Combined : Luminaires containing two or more lamps, at least one of which is energised from the emergency supply and the remainder from the normal AC supply.

Luminaire

A general term for a complete lighting unit. It includes the housing, the reflector, lens and lamps.

Luminance (cd/m²)

The light emitted from a unit area in a specific direction is called 'luminance' and is measured in candelas per square centimetre, which indicates how bright an object actually appears, and this may be an illuminated area or the area of a source of light. The luminance of a surface determines how bright that surface actually appears. One candela per square.

Lux

The unit of illuminance (illumination). It is the unit of measurement for the incident light arriving at a surface.

Laws of Illumination

Inverse square law $E = \frac{I}{d^2}$

where E is illuminance in lux, I is luminous intensity in candelas, and d is distance of source to surface being illuminated.

				
00	15	30	45	47
				
01	16	31	46	48
				
02	17	32	47	49
				
03	18	33	48	50
				
04	19	34	49	51
				
05	20	35	50	52
				
06	21	36	51	53
				
07	22	37	52	54
				
08	23	38	53	55
				
09	24	39	54	56
				
10	25	40	55	57
				
11	26	41	56	58
				
12	27	42	57	59
				
13	28	43	58	60
				
14	29	44	59	61

- Advance technology design in Singapore
- Coating film glass tube protect shatter safety reliable
- Glossy surface improve light up widen angle beam
- Excellent choice to accompany motion detectors
- Brighten and heat less compare to fluorescent lamps.



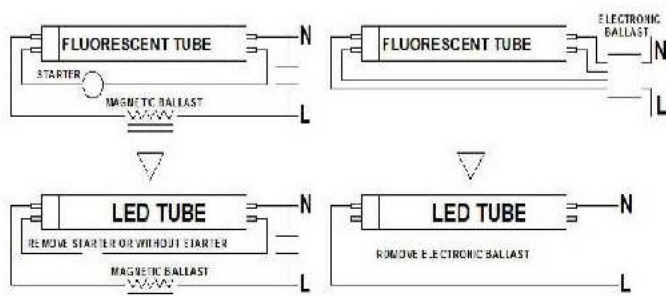
SCLED

TECHNICAL CHARACTERISTICS

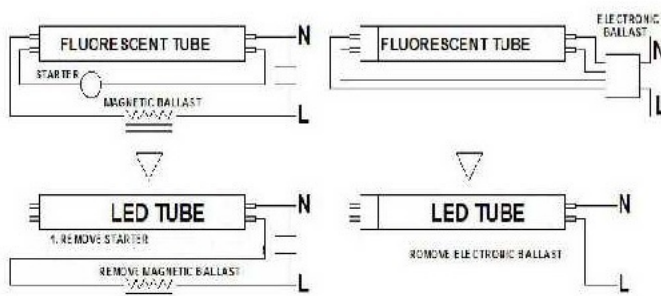
LED LAMP PHOTOELECTRIC PARMAYER TEST REPORT

- LED T8 tube application cap-base G13 (Medium Bi-Pin)
- Power Input 220V ~ 240Vac 50/60Hz
- 2 CCT spec, Cool White 4000K, Daylight 6500K
- Aluminium PCB with SMD LED expend Up to 30,000hrs lifetime
- Light up width beam angle above 270 °
- Not for operation with ECG, not dimmable
- RoHS-conformity, no mercury

INSTALLATION DOUBLE SIDE CONNECTION DIAGRAM:



INSTALLATION SINGLE SIDE CONNECTION (12S LED) DIAGRAM:



ORDERING INFORMATION

Part No.	Length	Connection	Power Consumption	Lumen (lm)	Light Efficiency	Correlated Color	Color Temp.(CCT)	Elec Current	Energy Reduce	Equivalent Fluorescent
SCLED 109-9DLT8-2FD	2 ft	Double	9W	900	>100lm/W	Daylight	6500k	<0.08A	>50%	18W
SCLED 118-18DLT8-4FD	4 ft	Double	18W	1800	>100lm/W	Daylight	6500k	<0.10A	>55%	36W
SCLED 118-18DLT8-4FS	4 ft	Single	18W	1800	>100lm/W	Daylight	6500k	<0.10A	>55%	36W
SCLED 118-28DLT8-4FD	4 ft	Double	18W	2800	>140lm/W	Daylight	6500k	<0.10A	>55%	36W

Distributed By:

Choo Chiang Marketing Pte Ltd
(a subsidiary of Choo Chiang Holdings Ltd)
did: +65 6368 5922 | fax: +65 6363 5922
Head Office: 10 Woodlands Loop S(738388)
website: www.choochiang.com | facebook: [facebook.com/choochiang.sg](https://www.facebook.com/choochiang.sg)

Note: Due to continuous development and improvement, our company reserves the right to change specification without notice.