



Slimline

Rocky

Conversion
Kit

UFO

WE GUIDE YOU

THE RIGHT WAY

Always leading the way with you

www.maxspid.com

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QUALITY PRODUCTS

Maxspid products are built to adhere strictly to the Singapore Standard 563, 508 and IEC 60598-2-22. Also, our products are type and batch tested with PSB PLS-listed label.

The product range includes emergency exit lights, emergency power packs and emergency lights.

All our products are guaranteed to be of the highest quality possible. This is only achievable through strict adherence to total quality management and use of quality and reputable component brands. Strict control test awaits each item at the end of the production line when the finished product is put on a test rack for an on-load multiple cycle life tests.



CONSTANT INNOVATION

Maxspid always interacts with its clients and channel for new product ideas. Only in this way can the company stay ahead through technology advancement and a keen sense for customer needs.

As such, we have developed more than 50 different models of emergency lighting products. Our products are used in all types of buildings, including residential, industrial and commercial purposes. Our manufacturing process includes assembly testing, APGB and SMT production.



EXCELLENT SERVICES

All customers have their unique requirements. Therefore, Maxspid offers customisation of designs, technical assistance and after-sales assistance. Our customers can expect prompt follow-ups and servicing within the stipulated warranty period.

To realise on prompt delivery of orders and short lead times, Maxspid keeps a substantial stock of raw materials. The maximum time for electrical components is in weeks, a couple of months at most.

Our overseas clients can access Maxspid products and services through distributors and agents. We are entering more overseas market such as Vietnam, Indonesia, India, Sri Lanka, Brunei Darussalam, Myanmar, Malaysia, UAE, Australia and Philippines.



PROJECTS

AIRPORT

Changi Airport Cargo Building (CAAS)
Changi Airport Terminal 1
Changi Airport Terminal 2
Changi Airport Terminal 3
Jewel @ Changi Airport

COMPANY BUILDING

Applied Material S.E.A Pte Ltd
Asia Square Tower 1
Asia Square Tower 2
Biopolis
Capitagreen @ Market Street
Capital Tower
Cleantech
Cleantech Park 2
Credit Suisse
Energizer
Equinix
Global Switch @ Woodlands
Google Centre @ Penjurong
JTC Furniture Mall @ Sungei Kadut
JTC Space @ Tuas
M1 Building @ International Business Park
MBFC Tower 1, 2, 3
Mediacorp
Micron @ Admiralty
Microsoft @ Woodlands
NTUC Fairprice Hub @ Joo Koon
One Marina
OUB Centre
OUBC @ 1 Raffles Place
OUE Downtown
Oxley Bizhub 1
Oxley Bizhub 2
P & G Innovation Center
Panasonic Semiconductor
Paya Lebar Square
Prime Biz Hub
Robert Bosch @ Bishan
Robinson Tower
Royal Square @ Novena
Seagate 1, 2, 3 @ Woodlands
Selegie Complex
Shine @ Tuas South
Singapore Power HQ
Solaris @ Kallang 164
South Beach Development
Starhub @ Mediapolis
Tanjong Kling Factory
Treasury Building
Victoria Theatre & Concert Hall
Woods Square

CONDOMINIUM

Ascentia Sky Condo
Bijou Condo
Blue Horizon Condo
City Light Condo
D' Leedon Condo
Forest Woods Condo
Interlace Condo
Marina Bay Suite
NV Residence
Pinnacle @ Sentosa
Skyline @ Orchard Boulevard
South Beach Residence
Waterplace Condo
Westwood Residence

EDUCATION INSTITUTION

Australian International School
French School
Nafa Campus
Ngee Ann Polytechnic
NTU
NUS
Overseas Family School
Raffles Institution
School of the Arts
SIM
Singapore Chinese Girls' School
Singapore Polytechnic
Singapore Institute of Technology (SIT)
SMU
Stamford American International School
SUTD
Temasek Polytechnic

GOVERNMENT

BCA Academy
Changi Airbase
Changi Naval Base
Changi Prison Cluster B
Fusionpolis
Gurkha Camp
Hendon Camp
ICA Building
Jurong Camp
Kranji Camp
LTA - Gali Batu Depot
LTA - Kranji Depot
LTA - Tuas Depot
Mandai Camp
MRT - Circle Line 1, 3, 4 & 5
MRT - Downtown Line
MRT - Thomson East Coast Line
National Archives of Singapore
National Art Gallery
Nee Soon Camp
Parliament House
Police Cantonment Complex
PUB Waterhub
Selarang Camp
Sembawang Camp
Supreme Court
Tuas Checkpoint
Tuas Naval Base
Various HDB Upgrading (LUP, MUP)
Various MRT Station
Woodlands Checkpoint

HEALTHCARE

Alexandra Hospital
Changi General Hospital
Changi Medical Centre
Farrer Park Hospital
Institute of Mental Health
KK Hospital
National Cancer Centre
National Heart Centre
New Rencel Hospital
NUH
Outram Community Hospital
Pioneer Polyclinic
SGH
Sengkang Hospital
Tan Tock Seng Hospital
Thye Hwa Kuan

HOTEL

Amara Hotel
Carlton Hotel
Dorsett Hotel
Fairmont Hotel
Grand Park City Hall Hotel
Grand Park Orchard Hotel
Holiday Inn Parkview Hotel
Hotel Le Meridien Singapore
Hotel Phoenix
Intercontinental Hotel
Mandarin Orchard Singapore
Oasia Downtown Hotel
One Fullerton
Orchard Hotel
Parkroyal Hotel @ Pickering
Raffles Hotel
Genting Hotel Jurong
Sentosa Hotel
Shangri-La Hotel
Swissotel
St. Regis Hotel
The Outpost Hotel @ Sentosa
The Pines Club Hotel
Tyrwhitt Hotel
Village Hotel @ Sentosa
W Hotel @ Quayside
Zhong Shan Park Hotel

INTEGRATED RESORTS (IR)

Marina Bay Sands
Resort World @ Sentosa

SHOPPING MALL

111 Somerset
AMK Hub
Bedok Hub
Bugis Junction
Causeway Point
Century Square
Chinatown Point
City Square Mall
Great World City
IMM
ION Orchard
Katong Shopping Mall
Marina Square
Northpoint
Orchard Emerald
Paya Lebar Quarter
Raffles Link
Scotts Square
Seletar Mall
Singapore Flyer
Star Vista
Sun Plaza
Suntec City A & A
The Cathay Gallery

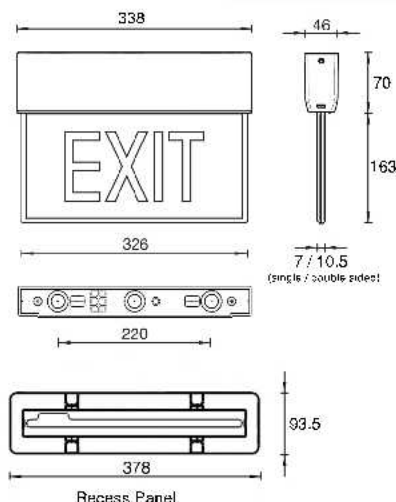
SMT LED with lifespan 50,000 burning hours
SMT LED surface / recess mount emergency exit light

EMERGENCY EXIT LIGHTS SLIMLINE



● **SLS.M.SRE.NC180.WLF**
Running-man graphical exit signs
comply to latest SS 563 & SS 508

● **SLS.M.SE.NC180.WLF**
(With Recess Panel)



Dimension: mm NTS

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"
- > Versatile & User Customisable



Type and catch tested with
PSE PLUS-LISTED LABEL



350 x 80mm

Surface Mount/
Recess Mount
Internal Lit
LED Slim Exit Sign



IP30



TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: 1.5W SMT LED
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 3W
Battery	: High temp Nickel Cadmium/Lithium
Charge Monitor	: Green LED
Test Facility	: Tactile switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Injection moulded fire retardant high impact polycarbonate-acrylonitrile butadiene styrene (PC-ABS)
Diffuser	: Fire retardant moulded acrylic
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 0.8kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Single Sided	Double Sided	Legend
SLS.M.SE.NC180.WLF	SLS.M.DE.NC180.WLF	EXIT
SLS.M.SEE.NC180.WLF	SLS.M.DEE.NC180.WLF	EXIT ▶
SLS.M.SEW.NC180.WLF	SLS.M.DEE.NC180.WLF	◀ EXIT
SLS.M.SR.NC180.WLF	SLS.M.DR.NC180.WLF	EXIT
SLS.M.SRE.NC180.WLF	SLS.M.DRE.NC180.WLF	EXIT ▶
SLS.M.SRW.NC180.WLF	SLS.M.DRE.NC180.WLF	◀ EXIT
SLS.M.SRS.NC180.WLF		EXIT
SLS.M.SRN.NC180.WLF		EXIT

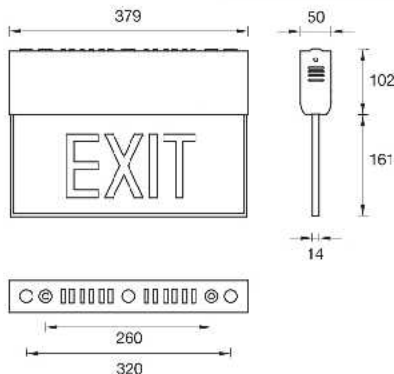
EMERGENCY EXIT LIGHTS LEDER

SMT LED with lifespan 50,000 burning hours
SMT LED surface mount emergency exit light



● **ES/M/W510RM (E)**
Running-man graphical exit signs
comply to latest SS 563 & SS 508

● **ES/M/W5100**



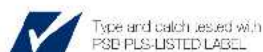
Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 2.5kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Surface Mount
Internal Lit
LED Slim Exit Sign



ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Single Sided	Double Sided	Legend
ES/M/W5100	ED/M/W5100	EXIT
ES/M/W5100 (R)	ED/M/W5100 (R/L)	EXIT ►
ES/M/W5100 (L)	ED/M/W5100 (R/L)	◄EXIT
ES/M/W5100 (D)	ED/M/W5100 (D)	◄EXIT►
ES/M/W510RM	ED/M/W510RM	Running Man
ES/M/W510RM (E)	ED/M/W510RM (E/W)	Running Man ►
ES/M/W510RM (W)	ED/M/W510RM (E/W)	◄ Running Man
ES/M/W510RM (S)	ED/M/W510RM (S)	Running Man ↓
ES/M/W510RM (N)	ED/M/W510RM (N)	Running Man ↑

SMT LED with lifespan 50,000 burning hours
SMT LED recess mount emergency exit light

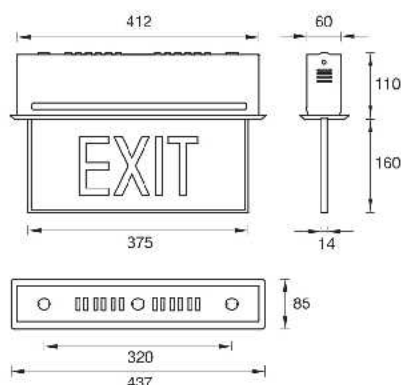
EMERGENCY EXIT LIGHTS LEDER



• ESR/M/W510RM (E)

Running-man graphical exit signs
comply to latest: SS 563 & SS 508

• ESR/M/W5100



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 2.5kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Type and batch tested with
PSS PLUS LISTED LABEL



415 x 62mm

Recess Mount
Internal Lit
LED Slim Exit Sign



IP30
CLASS I

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

Single Sided	Double Sided	Legend
ESR/M/W5100	EDR/M/W5100	
ESR/M/W5100 (R)	EDR/M/W5100 (R/L)	
ESR/M/W5100 (L)	EDR/M/W5100 (R/L)	
ESR/M/W5100 (D)	EDR/M/W5100 (D)	
ESR/M/W510RM	EDR/M/W510RM	
ESR/M/W510RM (E)	EDR/M/W510RM (E/W)	
ESR/M/W510RM (W)	EDR/M/W510RM (E/W)	
ESR/M/W510RM (S)	EDR/M/W510RM (S)	
ESR/M/W510RM (N)	EDR/M/W510RM (N)	

EMERGENCY EXIT LIGHTS CLASSIC

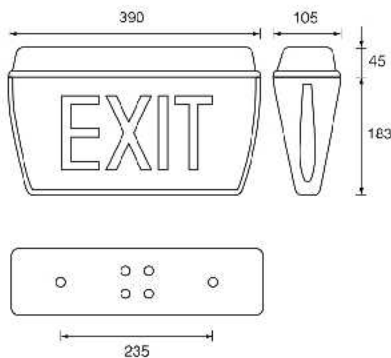
SMT LED with lifespan 50,000 burning hours
Indoor, corrosion resistant weatherproof emergency exit light



● JWS/M/W510RM (E)

Running-man graphical exit signs
comply to latest SS 563 & SS 508

● JWS/M/W5100



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: <3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Housing & Diffuser	: Injection moulded fire retardant, high impact polycarbonate
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 1.5kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Type and catch tested with
P&B PLUS-TESTED LABEL

Surface Mount
Weatherproof
Exit Sign



ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Single Sided	Double Sided	Legend
JWS/M/W5100	JWD/M/W5100	
JWS/M/W5100 (R)	JWD/M/W5100 (R/L)	
JWS/M/W5100 (L)	JWD/M/W5100 (R/L)	
JWS/M/W510RM	JWD/M/W510RM	
JWS/M/W510RM (E)	JWD/M/W510RM (E/W)	
JWS/M/W510RM (W)	JWD/M/W510RM (E/W)	

*Heating strip applicable (for cold room used)

SMT LED with lifespan 50,000 burning hours
Indoor, corrosion resistant weatherproof emergency exit light

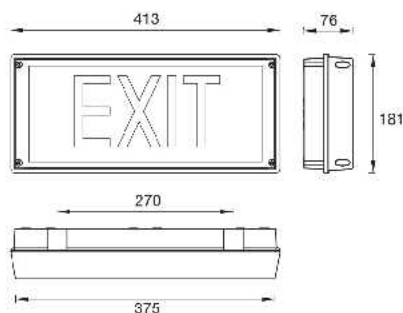
EMERGENCY EXIT LIGHTS FINESCO



● **KL/M/W510RM (E)**

Running-man graphical exit signs
comply to latest SS 563 & SS 508

● **KL/M/W5100**



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Housing & Diffuser	: Injection moulded fire retardant, high impact polycarbonate
Mounting	: Wall, ceiling suspended or semi-recessed
Cable Entry	: Ø20mm K/O hole
Weight	: 1.6kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Type and batch tested with
PSB PLUS-TESTED LABEL

Surface/Semi-recessed
Mount Weatherproof
Ext Sign



ORDERING GUIDE (Please check with Sales Dept. if customisation is required)

Single Sided	Legend
KL/M/W5100	EXIT
KL/M/W5100 (R)	EXIT ►
KL/M/W5100 (L)	◄ EXIT
KL/M/W510RM	Running Man
KL/M/W510RM (E)	Running Man ►
KL/M/W510RM (W)	◄ Running Man

*Heating strip applicable (for cold room used)

EMERGENCY EXIT LIGHTS BOXSTER

SMT LED with lifespan 50,000 burning hours
Box type single sided emergency exit light

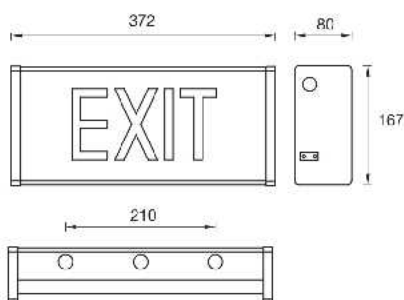
EXIT



• BLS/M/W510RM (E)

Running-man graphical exit signs
comply to latest SS 563 & SS 508

• BLS/M/W5100



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: <3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 2.0kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Type and catch tested with
PSE PLUS LISTED LABEL

Surface Mount
Box Exit Sign



ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Single Sided	Legend
BLS/M/W5100	EXIT
BLS/M/W5100 (R)	EXIT ►
BLS/M/W5100 (L)	◄ EXIT
BLS/M/W510RM	Running man icon
BLS/M/W510RM (E)	Running man icon ►
BLS/M/W510RM (W)	◄ Running man icon

LED with lifespan 50,000 burning hours
Box type double sided emergency exit light

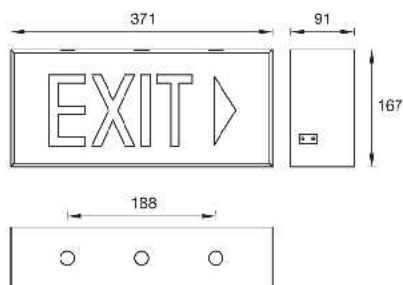
EMERGENCY EXIT LIGHTS DOUBLE SIDED BOXSTER



● **BHD/M/W510RM (E/W)**

Running-man graphical exit signs
comply to latest: SS 563 & SS 508

● **BHD/M/W5100 (R/L)**



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp (x2)
Rated Duration	: 2hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: <3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Mounting	: Ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 1.7kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Type and batch tested with
PSB PLUS-LISTED LABEL

Surface Mount
Box Exit Sign



ORDERING GUIDE (Please check with Sales Dept if customisation is required)

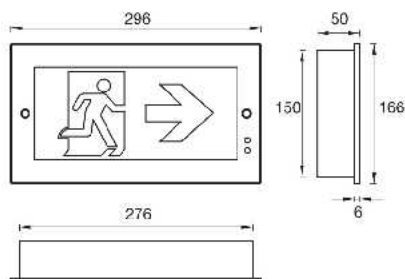
Double Sided	Legend
BHD/M/W5100	EXIT
BHD/M/W5100 (R/L)	EXIT ▶
BHD/M/W5100 (R/L)	◀EXIT
BHD/M/W510RM	▶
BHD/M/W510RM (E/W)	▶
BHD/M/W510RM (E/W)	◀

EMERGENCY EXIT LIGHTS BOXSTER RECESS

SMT LED with lifespan 50,000 burning hours
Fully-recessed low level SMT LED emergency
exit light



- **BLR/M/W510RM (E) MINI**
Running-man graphical exit signs
comply to latest SS 563 & SS 508



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: <3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Mounting	: Wall fully-recessed
Cable Entry	: Ø20mm K/O hole
Weight	: 1.6kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Single Sided	Legend
BLR/M/W510RM MINI	
BLR/M/W510RM (E) MINI	
BLR/M/W510RM (W) MINI	



Types and models tested with
PSE PLUS LISTED LABEL



280 x 155mm

Fully-recessed
Low Level Exit Sign



IP30
CLASS I

SMT LED with lifespan 50,000 burning hours
Fully-recessed low level SMT LED
emergency exit light

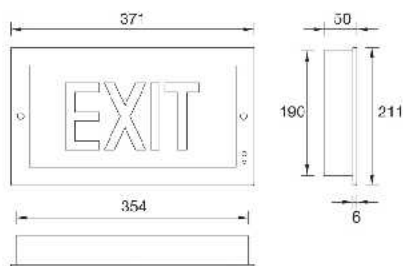
EMERGENCY EXIT LIGHTS BOXSTER RECESS



• BLR/M/W510RM (E)

Running-man graphical exit signs
comply to latest SS 563 & SS 508

• BLR/M/W5100 (R)



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 3W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Mounting	: Wall fully-recessed
Cable Entry	: Ø20mm K/O hole
Weight	: 2.4kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"



Typical and better looking with
PSS PLUS-TESTED LABEL



353 x 190mm

fully-recessed
low level Exit Sign



IP30
CLASS I

ORDERING GUIDE (Please check with Sales Dept. if customisation is required.)

Single Sided	Legend
BLR/M/W5100	EXIT
BLR/M/W5100 (R)	EXIT ▶
BLR/M/W5100 (L)	◀EXIT
BLR/M/W510RM	Running Man
BLR/M/W510RM (E)	Running Man ▶
BLR/M/W510RM (W)	Running Man ◀

EMERGENCY POWER PACKS CONVERSION KIT

Emergency kit for fluorescent lamp fitting

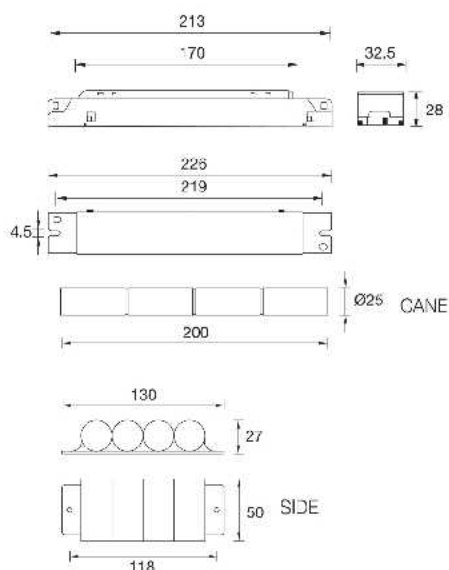


• MEM/M/128E MINI

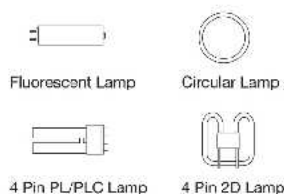
• 4.8V 2.5AH
(Cane)

or

• 4.8V 2.5AH
(Side)



Dimension: mm NTS



TECHNICAL DATA

Mode of Operation	: Maintained*
Lamp	: 4-pin fluorescent, PL/PLC and 2D lamps
Rated Duration	: 2hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 3.9W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Weight (Module only)	: 0.20kg (gross)
Compliance	: IEC 61347-2-7
Warranty	: 1 year

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp	For use with	Battery
MEM/M/114E MINI	T5 14W	Conventional and Electronic ballast	3.6V 1.8 AH
MEM/M/114E MINI	PLC10-26W 4-pin, T8 18W		3.6V 2.5 AH
MEM/M/114E MINI	T5 14W (MAINLY FOR 2FT BARE BTN)		3.6V 1.8 AH C3C3 (Dimension: 150x30x15mm)
MEM/M/128E MINI	T5 28W, T8 36W		4.8V 2.5 AH
MEM/M/154E MINI	T5 35W, T5 49W, T5 54W, T8 58W		6.0V 2.5 AH
MEM/M/154E MINI	T5 35W, T5 49W, T5 54W, T8 58W		6.0V 4.5 AH



Type and match issued with
PSB PUSH-TESTED LABEL



*Note:

Can be incorporated into combined maintained, combined non-maintained and non-maintained mode of operation.



Specification subject to changes without prior notice.

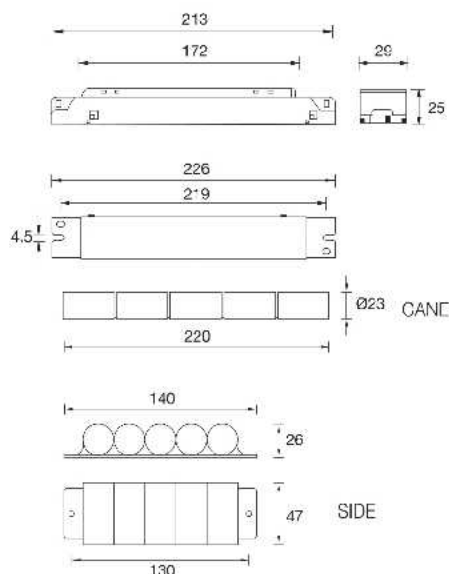




● MEM/M/LED MINI

● 6.0V 1.8AH
(Cane)

or

● 6.0V 1.8AH
(Side)

Dimension: mm NTS



LED Lamp

Type and batch tested with:
-SIL PLUS-TESTED LABEL

TECHNICAL DATA

Mode of Operation	: Maintained*
Lamp	: LED Lamp
Rated Duration	: 2hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2.9W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Weight (Module only)	: 0.20kg (gross)
Compliance	: IEC 61347-2-7, IEC 61347-2-13, IEC 62384
Warranty	: 1 year

ORDERING GUIDE *(Please check with Sales Dept if customisation is required)*

Model	Lamp
MEM/M/LED MINI	2ft to 5ft T5/T8 LED Lamp

*Note:

Can be incorporated into combined maintained, combined non-maintained and non-maintained mode of operation.

** Please ensure that your LED Lamp & Driver are suitable for Emergency installation.

EMERGENCY POWER PACKS CONVERSION KIT

Emergency kit for LED lamp fitting

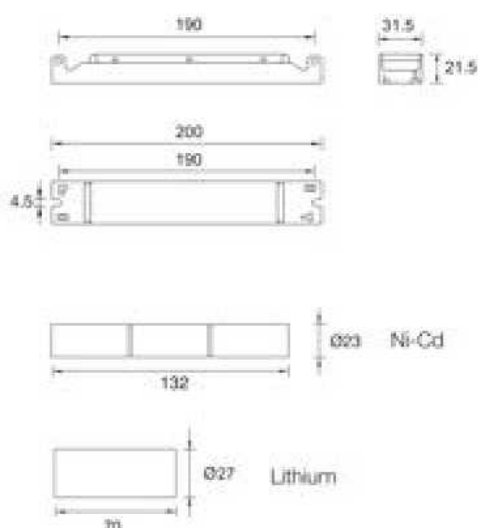


• MEM/MLED-ATS

• 3.6V 1.7AH
Ni-Cd

or

• 3.2V 3.3AH
Lithium



Dimension: mm NTS



LED Lamp



Type and batch tested with
PSB PLUS LISTED LABEL



TECHNICAL DATA

Mode of Operation	: Maintained*
Lamp	: LED Module
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2.9W
Battery	: High temp Nickel Cadmium / Lithium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Weight (Module only)	: 0.14kg (gross)
Compliance	: IEC 61347-2-7, IEC 61347-2-13, IEC 62384
Warranty	: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

Model	Lamp
MEM/MLED-ATS	LED Module

*Note:

Can be incorporated into combined maintained, combined non-maintained and non-maintained mode of operation.

** Please ensure that your LED Lamp & Driver are suitable for Emergency installation.

LED Auxiliary emergency power pack

(For Incorporate into Light fitting or remote for downlight)

EMERGENCY POWER PACKS

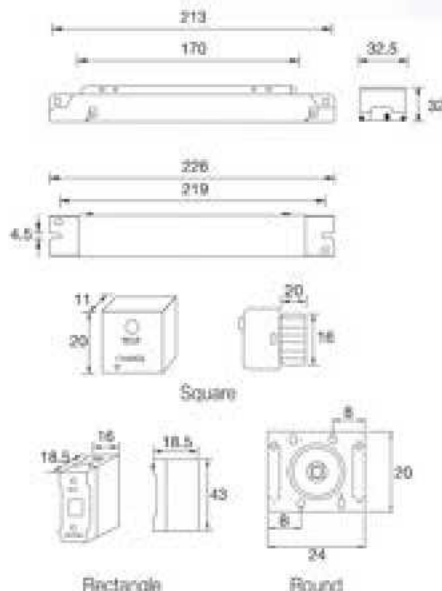
STARLITE



• UFO/NM/L101 NC (Auxiliary)



• Rectangle or • Square or • Round



Dimension: mm NTS

High Power L.E.D

TECHNICAL DATA

Mode of Operation	: Non-maintained
Lamp	: 1W High Power LED
Rated Duration	: 2hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 0.9W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED
Test Facility	: Tactile switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Weight (Module only)	: 0.25kg (gross)
Compliance	: SS563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp	Battery type
UFO/NM/L101 NC (Auxiliary)	1W LED	Nickel Cadmium

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan



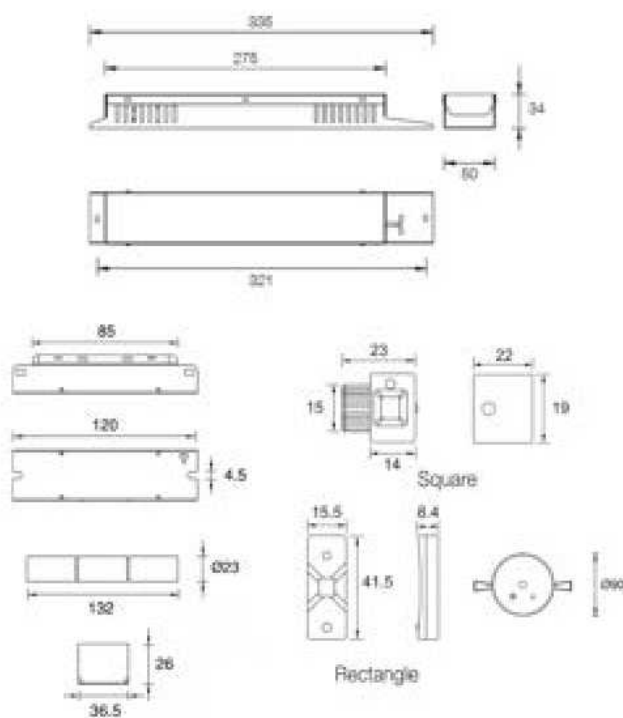
Type and batch tested with
PSE PLUS-TESTED LABEL





• UFR.3.NC180.NM (AUX)

• Rectangle or • Square



Dimension: mm NTS
High Power L.E.D

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan



Type and batch tested with
F50 PLUS-ULTRALABEL



TECHNICAL DATA

Mode of Operation	: Non-maintained
Lamp	: 3W High Power LED
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 0.9W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED
Test Facility	: Tactile switch / Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Weight (Module only)	: 0.10 kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

ORDERING GUIDE

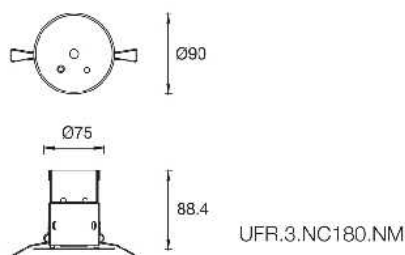
(Please check with Sales Dept if customisation is required)

Model	Lamp	Battery type
UFR.3.NC180.NM (AUX)	3W LED	Nickel Cadmium

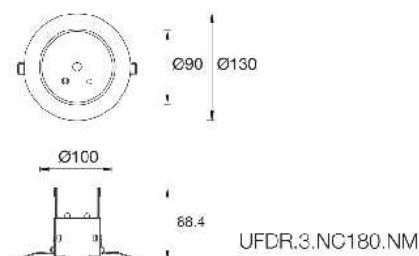


● UFR.3.NC180.NM

● UFDR.3.NC180.NM



UFR.3.NC180.NM



UFDR.3.NC180.NM

Dimension: mm NTS

High Power L.E.D

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan

Type and batch tested with
RSB PLUS-LISTED LABELØ76 /
Ø75-Ø100mmRecess Mount
Miniature Emergency
LuminaireIP30
CLASS I**TECHNICAL DATA**

Mode of Operation	: Non-Maintained
Lamp	: 3W High Power LED
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 1.4W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED
Test Facility	: Tactile switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Mounting	: Recess
Weight	: 0.8kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

ORDERING GUIDE *(Please check with Sales Dept if customisation is required)*

Model	Lamp	Battery type
UFR.3.NC180.NM	3W LED	Nickel Cadmium
UFDR.3.NC180.NM	3W LED	Nickel Cadmium

EMERGENCY LIGHTS UFO

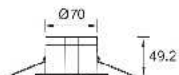
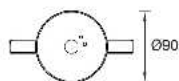
LED Non-maintained recess / surface mount emergency light



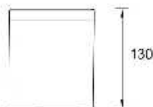
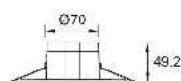
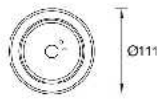
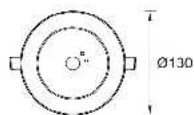
• UPCR.3.NC180.NM

• with Big Disk Adaptor

• with Surface Casing



UPCR.3.NC180.NM



with Big Disk Adaptor

with Surface Casing

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 3W High Power LED
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 1.4W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED
Test Facility	: Tactile switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Injection moulded fire retardant high impact polycarbonate
Mounting	: Recess/Surface
Weight	: 0.19kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp	Battery type
UPCR.3.NC180.NM	3W LED	Nickel Cadmium

Dimension: mm NTS

High Power L.E.D

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan



Type and batch tested with
PSB PL54 LISTED LABEL



Ø76 /
Ø78-Ø100mm

Recess Mount/
Surface Mount
Emergency Luminaires



IP20 (Body)
IP54 (Disk)

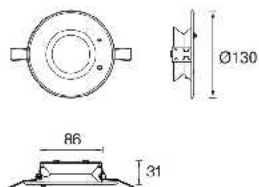
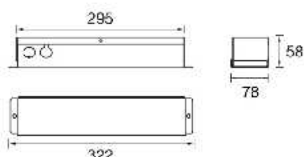
16

Specifications subject to changes without prior notice.

MAXSPID
SINCE 1978



• UBDR.10.NC120.NM



Dimension: mm NTS
High Power L.E.D

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 10W High Power LED Module
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2.2W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro Switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Mounting	: Recess
Cable Entry	: Ø20mm K/O hole
Weight	: 1.6kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Standard Size Application for Both Accessible and Inaccessible Ceiling
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan
- > Mainly Use for High Ceiling (> 8 metre)

ORDERING GUIDE *(Please check with Sales Dept. if customisation is required)*

Model	Lamp	Battery type
UBDR.10.NC120.NM	10W LED Module	Nickel Cadmium



Type and colour tested with
IPSB PLUS ULTRALUM



Ø110mm

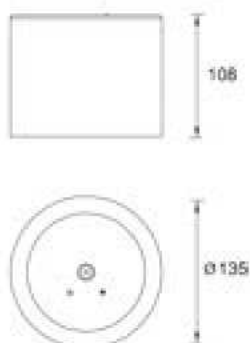
Recess Mount
Emergency Luminaires



IP20
CLASS I



● UF.3.NC180.NM



Dimension: mm NTS
High Power LED

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 3W High Power LED
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 1.4W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED
Test Facility	: Tactile switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Mounting	: Ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 0.74 kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan

ORDERING GUIDE *(Please check with Sales Dept if customisation is required)*

Model	Lamp	Battery type
UF.3.NC180.NM	3W LED	Nickel Cadmium



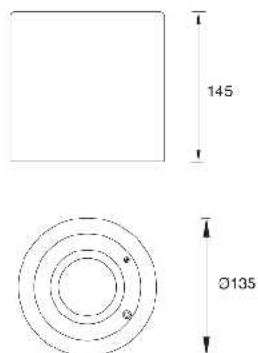
Type and torch tested with
P20 PLUS-LED LABEL

Surface Mount
Emergency Luminaires





● UF.10.NC120.NM



Dimension: mm NTS
High Power L.E.D

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 10W High Power LED Module
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2.2W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Mounting	: Ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 1.5kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan
- > Mainly use for high ceiling (> 8 meters)

ORDERING GUIDE *(Please check with Sales Dept if customisation is required)*

Model	Lamp	Battery type
UF.10.NC120.NM	10W LED Module	Nickel Cadmium



Type and catch tested with
PSB REGISTERED LAMP

Surface Mount
Emergency Luminaires



EMERGENCY LIGHTS MINNIE

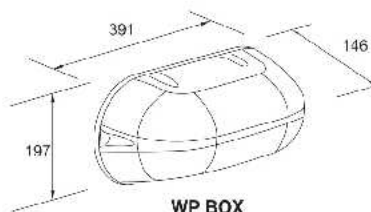
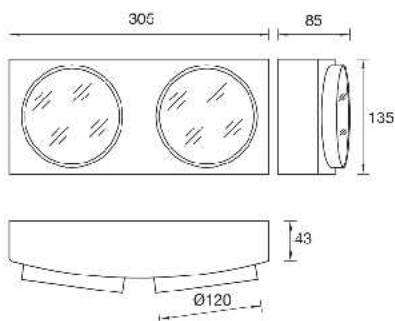
LED Economical non-maintained emergency twin light



● MR203L NC



● MR203L NC WP
(Weatherproof)



Dimension: mm NTS
High Power L.E.D

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 2 x 3W High Power LED
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 1.1W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Injection moulded thermoplastic ABS; UL 94V-0 flame rating, two fully adjustable glare-free round shaped heads
Mounting	: Wall or ceiling. The snap-fit design will facilitate easy installations. Easily removable mounting and knockout holes are provided
Cable Entry	: Ø20mm K/O hole
Weight	: 1.2kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan

ORDERING GUIDE (Please check with Sales Dept. if customisation is required)

Model	Lamp	Battery type
MR203L NC	2 x 3W LED	Nickel Cadmium
MR203L NC WP	2 x 3W LED	Nickel Cadmium



Type and batch tested with
PSB PL-TESTED LABEL

Surface Mount
energy efficient
Emergency Luminaire



IP30 / IP54



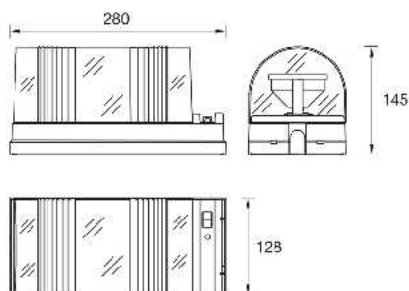
20

Specifications subject to changes without prior notice.

MAXSPID
SINCE 1978



● PP203L NC



Dimension: mm NTS
High Power L.E.D

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 2 x 3W High Power LED
Rated Duration	: 2 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Rocker switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Housing	: High impact thermoplastic enclosure in a matt white finish. Transparent half cylinder Polycarbonate lamp shield with fresnel pattern and fully adjustable self-locking lamp heads
Mounting	: Wall or ceiling. The snap-fit design will facilitate easy installations. Easily removable mounting and knockout holes are provided (fitting can be positioned vertically or horizontally)
Cable Entry	: Ø20mm K/O hole
Weight	: 1.2kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan

ORDERING GUIDE *(Please check with Sales Dept if customisation is required)*

Model	Lamp	Battery type
PP203L NC	2 x 3W LED	Nickel Cadmium



Type and batch tested with
PSB PLUGGED LABEL

Surface Mount:
Flexible Application
Emergency Luminaires



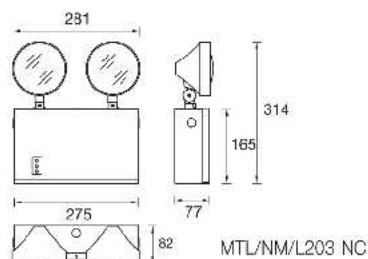
EMERGENCY LIGHTS TWIN LAMP

LED Non-maintained emergency twin light

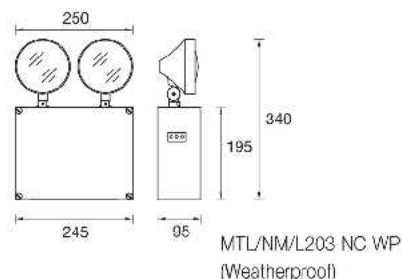


● MTL/NM/L203 NC

● MTL/NM/L203 NC WP
(Weatherproof)



MTL/NM/L203 NC



MTL/NM/L203 NC WP
(Weatherproof)

Dimension: mm NTS

High Power L.E.D

KEY FEATURES

- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan



Type and batch tested with
PSB PUS-LISTED LABEL

Surface Mount
Wide Angle
Emergency Luminaire



IP30 / IP65

TECHNICAL DATA

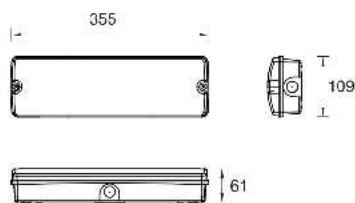
Mode of Operation	: Non-Maintained
Lamp	: 2 x 3W High Power LED
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2.2W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Micro switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Fitting Construction	: Electro galvanised steel with epoxy powder coating The adjustable fire-retardant lamp-heads allow flexibility in angle of projection. Lamp heads comes with anti-glare lens
Mounting	: Wall
Cable Entry	: Ø20mm K/O hole
Weight	: 2.6kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

Model	Lamp	Battery type
MTL/NM/L203 NC	2 x 3W LED	Nickel Cadmium
MTL/NM/L203 NC WP	2 x 3W LED	Nickel Cadmium

*Heating strip applicable (for cold room used)



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: Maxspid 3W SMT LED Lamp
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 2W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Tactile switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Housing	: Injection moulded fire retardant high impact polycarbonate diffuser and base. Clear reeded diffuser is designed for non-glare and greater light distribution
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 0.6kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp	Battery type
MEW.3.NC180.NM	3W SMT LED	Nickel Cadmium

Note:

Optional silkscreen printed legend on cover to convert into an emergency exit light.
*Heating strip applicable (for cold room used)



Type and switch tested with
PSB PLUS-LISTED LABEL



Surface Mount
Compact Emergency
Luminaire

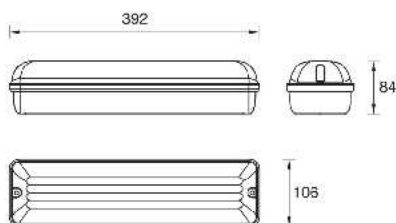


EMERGENCY LIGHTS CLASSIC

SMT LED Non-maintained emergency light
Indoor, corrosion resistant weatherproof emergency light



● JW/NM/W5100



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: Maxspid 1W SMT LED Lamp
Rated Duration	: 3 hrs and others
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 1.6W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge
Housing	: Injection moulded fire retardant high impact polycarbonate diffuser and base. Clear reeded diffuser is designed for non-glare and greater light distribution
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 1.0kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

KEY FEATURES

- > Using Surface Mount Technology LED
- > High Durability & Reliability
- > Low Heat
- > Low Maintenance
- > Low Power Consumption
- > No "Black Ends"

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp	Battery type
JW/NM/W5100	1W SMT LED	Nickel Cadmium

Note:

Optional silkscreen printed legend on cover to convert into an emergency exit light.

*Heating strip applicable (for cold room used)



Type and batch tested with
PSB PLUS-TESTED LABEL

Surface Mount
Compact Emergency
Luminaire

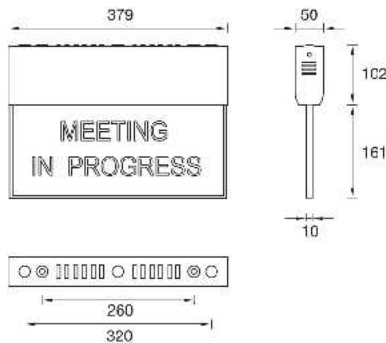


Specifications subject to changes without prior notice.





• ES/W5100



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Slave
Lamp	: Maxspid 1W SMT LED Lamp
Mains Supply	: 230 Volts, 50/60Hz
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Legend	: MEETING IN PROGRESS (Engraving on letter border only) other legend optional
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 2.5kg (gross)

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp
ES/W5100	1W SMT LED

OTHER LEGENDS

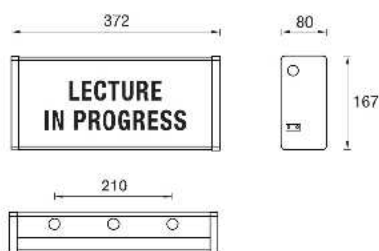
LABOR IN PROGRESS	BOOK ROOM IN USE	BRIEFING IN PROGRESS
PLANNING IN PROGRESS	TRAINING IN PROGRESS	AUDITORIUM IN USE

Surface Mount
Slim Sign





● MLS/W5100



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Slave
Lamp	: Maxspid 1W SMT LED Lamp
Mains Supply	: 230 Volts, 50/60Hz
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Diffuser	: Fire retardant moulded acrylic
Legend	: LECTURE IN PROGRESS (Black legend and white background) other legend optional
Mounting	: Wall or ceiling
Cable Entry	: Ø20mm K/O hole
Weight	: 2.0kg (gross)

ORDERING GUIDE (Please check with Sales Dept if customisation is required)

Model	Lamp	
MLS/W5100	1W SMT LED	** White legend or white background
MLS/W5100 (2x4.5W)	2x4.5W LED	** Red legend and black background

OTHER LEGENDS

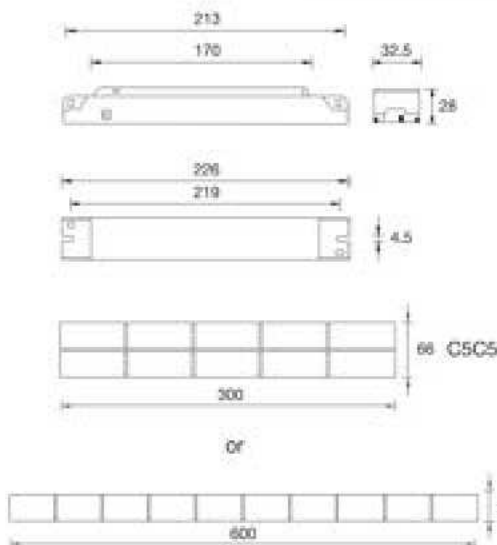


Surface Mount
Box Sign





• MEM/M/LED-AC MINI

• 12.0V 4.5AH
(C5C5)**TECHNICAL DATA**

Mode of Operation	: Maintained
Lamp	: AC LED Lamp
Rated Duration	: 2hrs and others
Charging Time	: Min. 48 hrs
Mains Supply	: 230 Volts, 50/60Hz
Power Consumption	: < 4.7W
Battery	: High temp Nickel Cadmium
Charge Monitor	: Green LED Ø5mm
Test Facility	: Push button switch
Safety Feature	: Low volt cut-off preventing battery overdischarge.
Fitting Construction	: Electro galvanised steel with epoxy powder coating
Weight (module only)	: 0.4kg (gross)
Warranty	: 1 year

ORDERING GUIDE (Please check with Sales Dept if customization is required)

Model	Lamp (For reference only)
MEM/M/LED-AC MINI	Osram 20W ST8 - HT4 - 170 - 885 AC LED Lamp
	Philips Master T8 19W AC LED Lamp

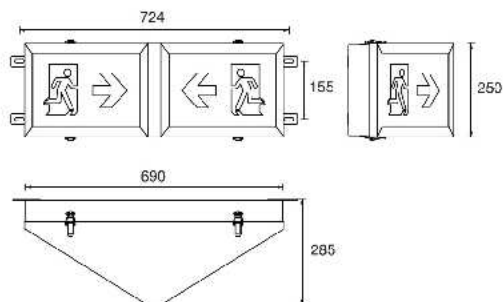
**Please ensure that your LED Lamp & Driver are suitable for Emergency installation.

Dimension: mm NTS





● TL/210RM



Dimension: mm NTS

TECHNICAL DATA

Mode of Operation	: Slave
Lamp	: 2 x 7W LED
Mains Supply	: 230 Volts, 50/60Hz
Fitting Construction	: 304 Stainless steel
Diffuser	: Tempered glass
Cable Entry	: Ø25mm hole
Mounting	: Wall
Weight	: 10kg (gross)
Compliance	: IEC 60598-1, IEC 62236-5, IEC 61000-4-11, CISPR 15

ORDERING GUIDE (Please check with Sales Dept. if customisation is required)

Model	Legend
TL/210	EXIT EXIT
TL/210RM	EXIT EXIT

Surface Mount
Weatherproof
Tunnel Sign

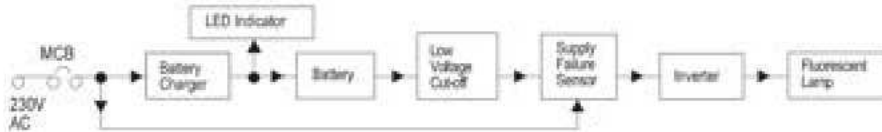


TECHNICAL INFORMATION

STANDARD MODES OF OPERATION

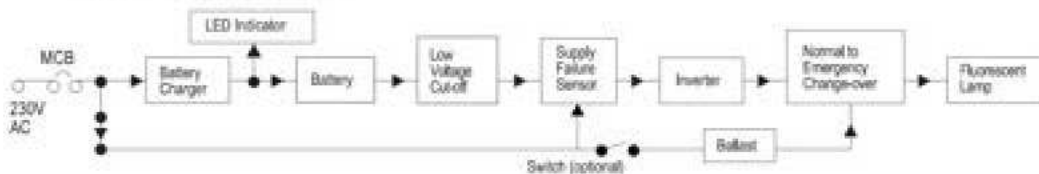
NM Non-Maintained Mode

The lamp only operates in the event of a mains failure. An unswitched supply is essential. During the failure period the lamp runs from the battery. The battery is automatically recharged on the mains reconnection.



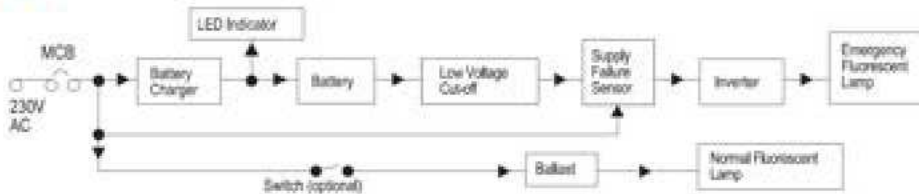
M Maintained Mode

The lamp operates at all times of occupation. A separate supply is required to drive the lamp when the main is healthy. This supply can be switched off to conserve lamp life during periods of no occupation. During failure the lamp runs from the battery.



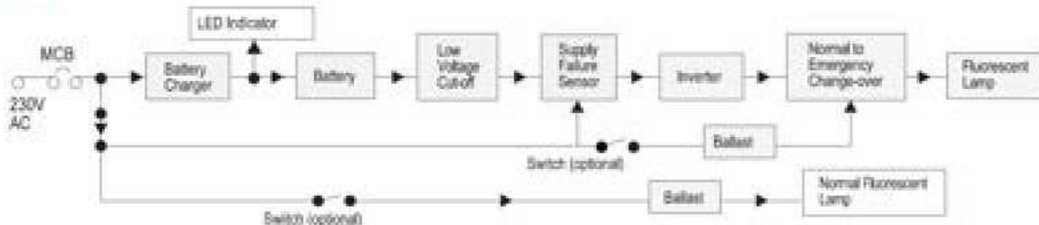
CNM Combined Non-Maintained Mode (formally called Sustained)

The luminaire has two or more lamps. One is energised from the emergency supply. The others are lit from the normal supply.



CM Combined Maintained Mode

The luminaire has two or more lamps. Both are energised from the normal supply but only one illuminates in the case of a mains failure.



Summary

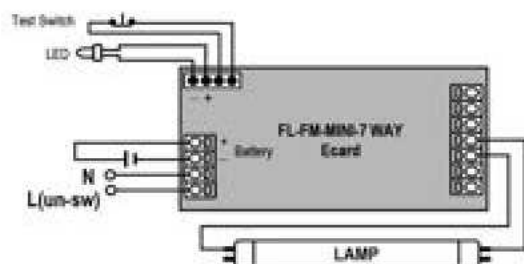
Mode	 NM Non-Maintained	 M Maintained	 CNM Combined Non-Maintained	 CM Combined Maintained
Normal Supply	✗	✓	✗ ✓ ✓	✓ ✓ ✓
Power Failure	✓	✓	✓ ✗ ✗	✓ ✗ ✗
 Lamp illuminated  Lamp not illuminated  Normal Lamp on mains supply				

OPERATION AND WIRING INFORMATION

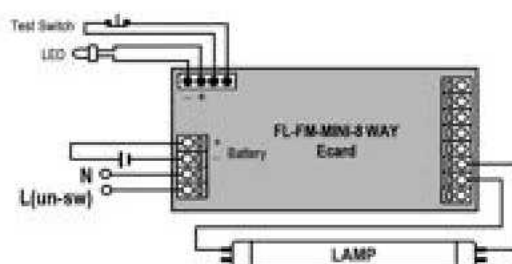
>> 1. Typical wiring layout for non-maintained mode :
L (un-sw) (Unswitched Supply) and N as marked.

NM 

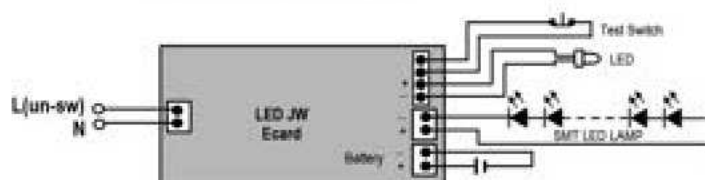
1.01a) For 1x4-pin FL Lamp



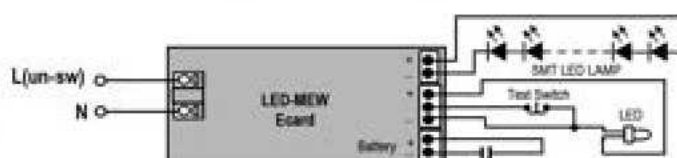
1.01b) For 1x4-pin FL Lamp



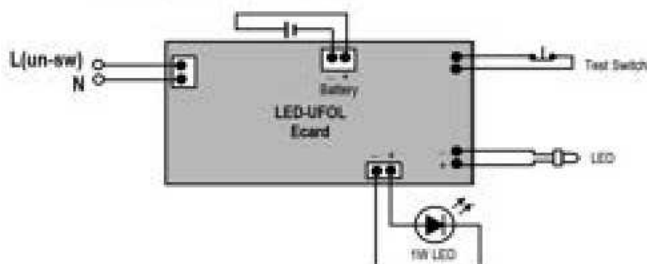
1.02a) For SMT LED Lamp



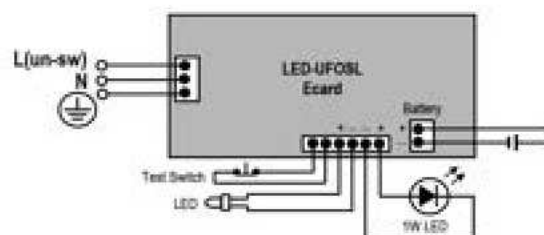
1.02b) For SMT LED Lamp



1.03a) For 1W LED Lamp



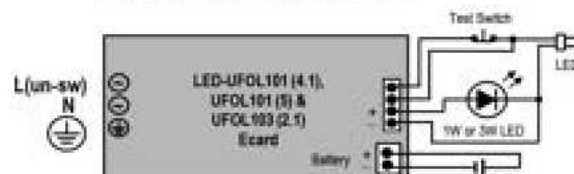
1.03b) For 1W LED Lamp



1.03c) For 1W or 3W LED Lamp



1.03d) For 1W or 3W LED Lamp



1.03e) For 3W LED Lamp



1.03f) For 3W LED Lamp



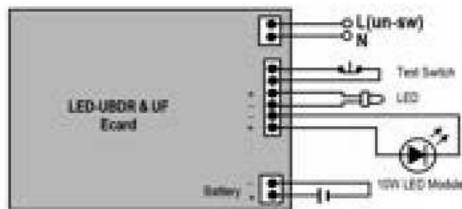
TECHNICAL INFORMATION

OPERATION AND WIRING INFORMATION

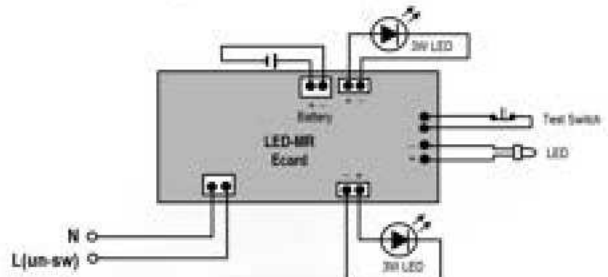
>> 1. Typical wiring layout for non-maintained mode :
L (un-sw) (Unswitched Supply) and N as marked.

NM 

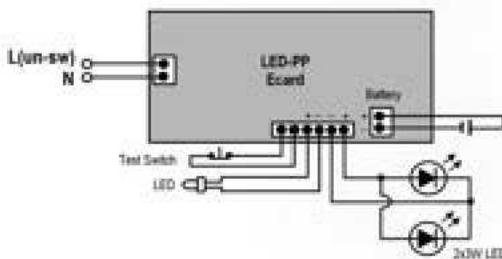
1.04) For 10W LED Module



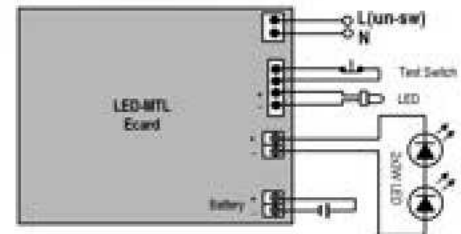
1.05) For 2x3W LED Lamp



1.06) For 2x3W LED Lamp



1.07) For 2x3W LED Lamp



>> 2. Typical wiring layout for maintained mode :
L (un-sw) (Unswitched Supply) and N as marked.

M 

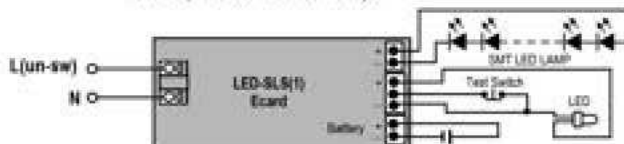
2.01a) For SMT LED Lamp



2.01b) For SMT LED Lamp



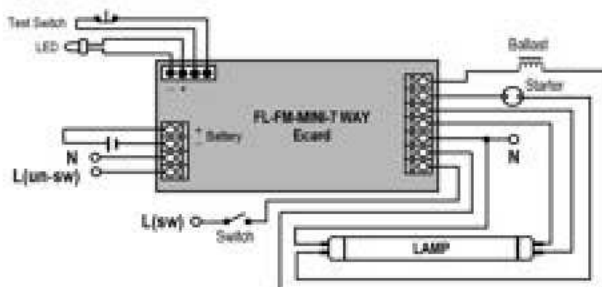
2.01c) For SMT LED Lamp



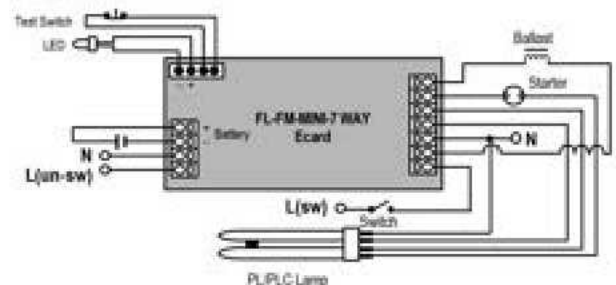
>> 3. Typical wiring layout for maintained mode with conventional ballast :
L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked,
not interchangeable and must be of the same phase as ELCB.

M 

3.01a) For 1x4-pin FL Lamp



3.01b) For 1x4-pin PL/PLC Lamp



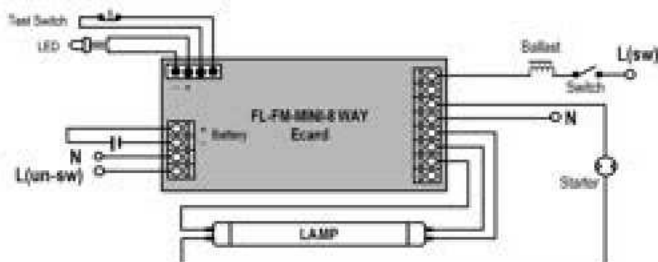
OPERATION AND WIRING INFORMATION

>> 3. Typical wiring layout for maintained mode with conventional ballast :

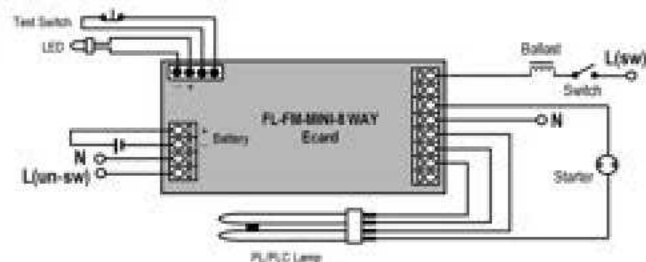


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

3.01c) For 1x4-pin FL Lamp



3.01d) For 1x4-pin PL/PLC Lamp

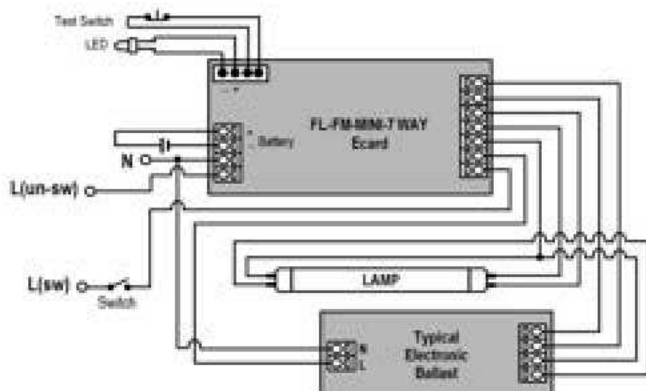


>> 4. Typical wiring layout for maintained mode with electronic ballast :

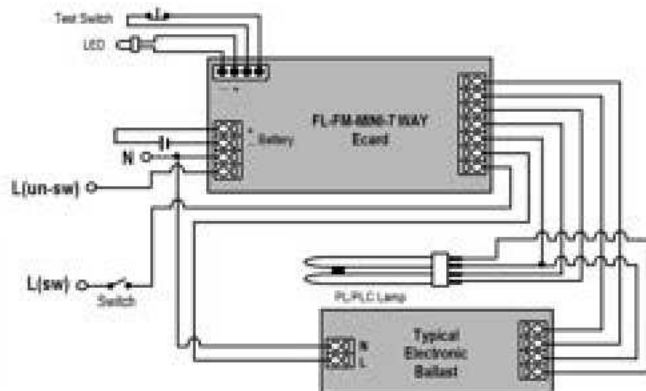


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

4.01) For 1x4-pin FL Lamp with electronic ballast

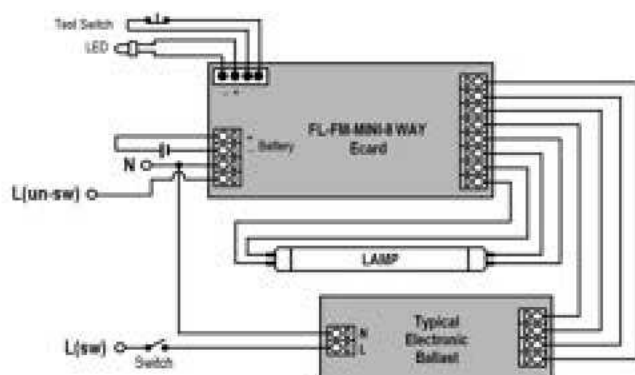


4.02) For 1x4-pin PL/PLC Lamp with electronic ballast

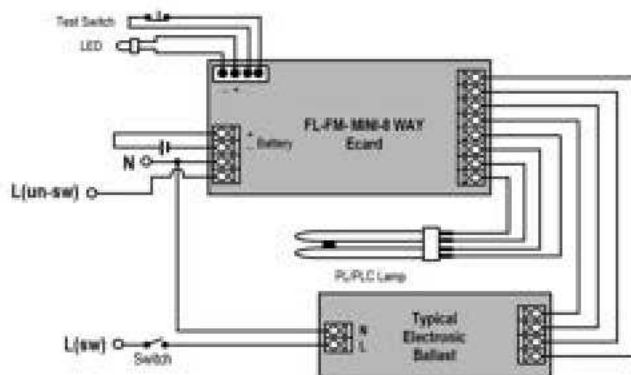


*Different wiring apply for different brand of electronic ballast

4.03) For 1x4-pin FL Lamp with electronic ballast



4.04) For 1x4-pin PL/PLC Lamp with electronic ballast



*Different wiring apply for different brand of electronic ballast

TECHNICAL INFORMATION

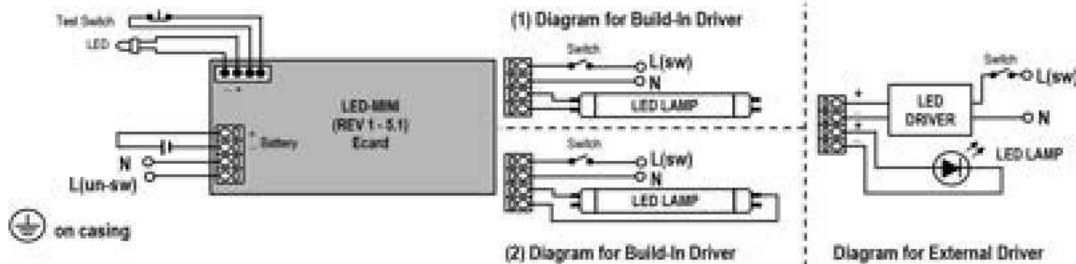
OPERATION AND WIRING INFORMATION

>> 5. Typical wiring layout for maintained mode with driver :

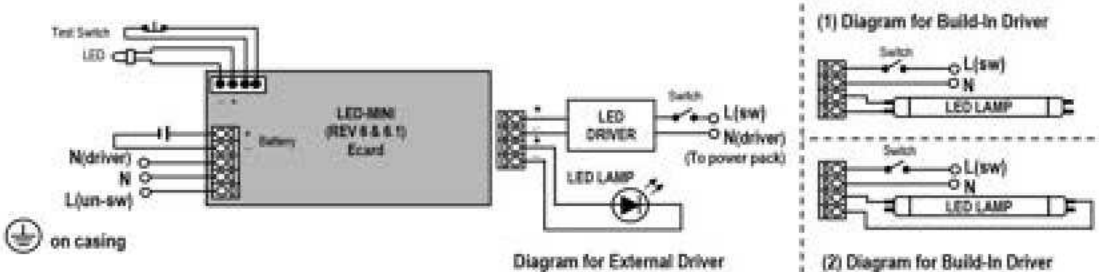


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

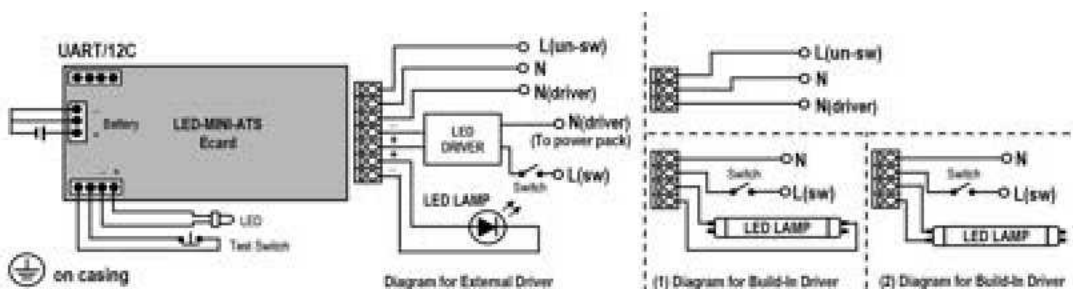
5.01) For T8 LED LAMP/LED Module



5.02) For T8 LED LAMP/LED Module



5.03) For T8 LED LAMP/LED Module



5.04) For AC LED LAMP



>> 6. Combined non-maintained mode :



(formally known as sustained mode) is obtained by combining one or more non-maintained mode lamp(s) with any number of normal lamp(s) in a luminaire.

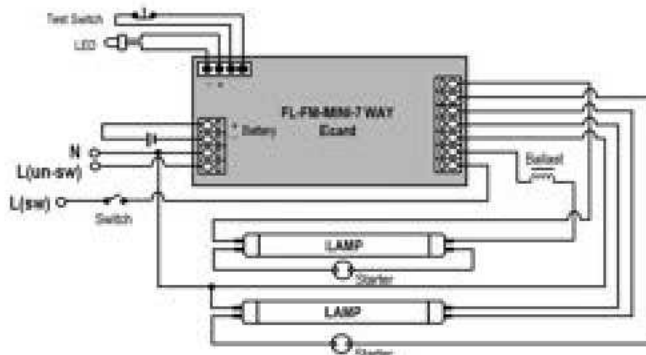
OPERATION AND WIRING INFORMATION

>> 7. Typical wiring layout for combined maintained mode with conventional ballast :

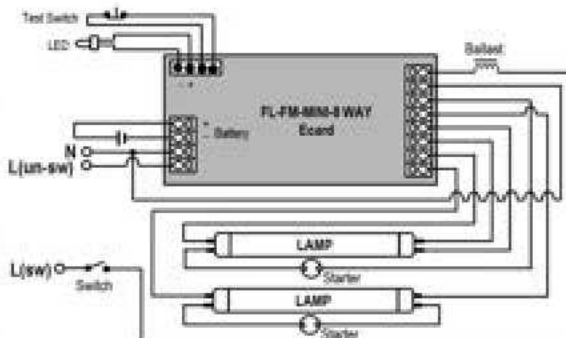


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

7.01) Combined Maintained for 2x4-pin FL Lamp in series



7.02) Combined Maintained for 2x4-pin FL Lamp in series

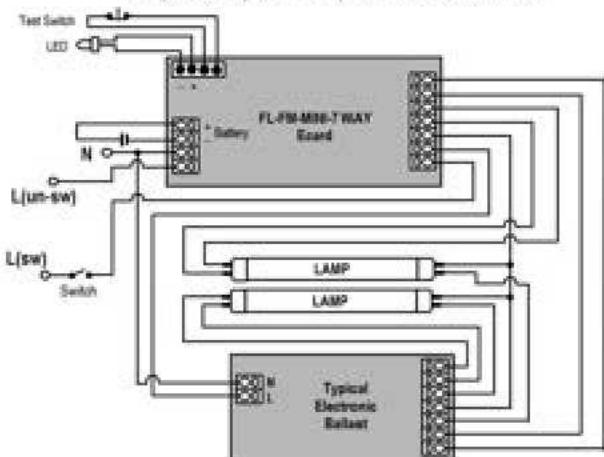


>> 8. Typical wiring layout for combined maintained mode with electronic ballast :

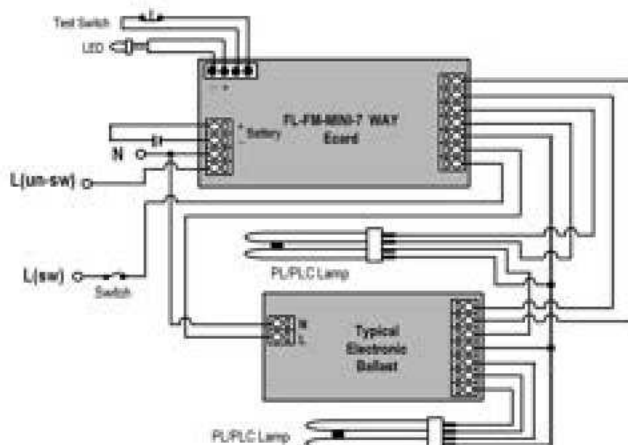


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

8.01) For 2x4-pin FL Lamp with electronic ballast

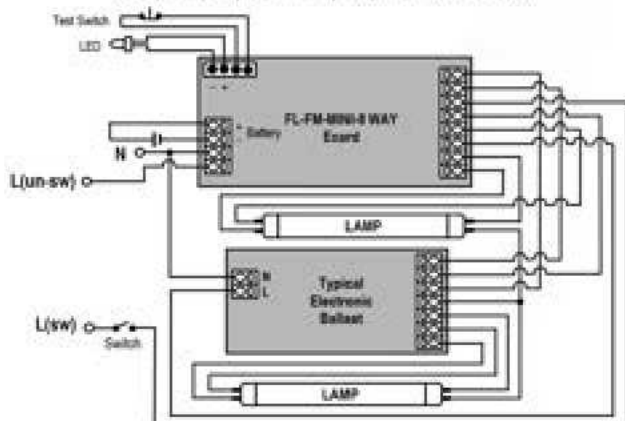


8.02) For 2x4-pin PL/PLC Lamp with electronic ballast

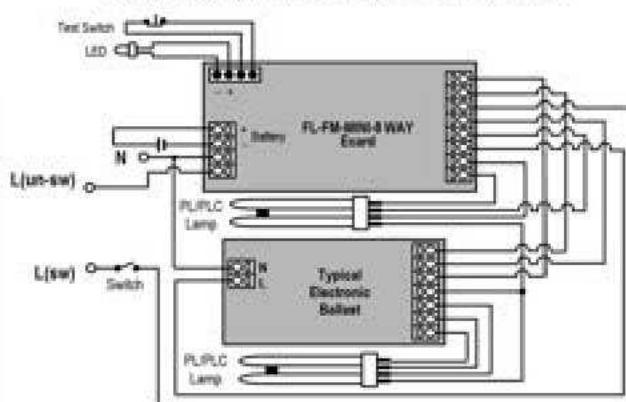


*Different wiring apply for different brand of electronic ballast

8.03) For 2x4-pin FL Lamp with electronic ballast



8.04) For 2x4-pin PL/PLC Lamp with electronic ballast



*Different wiring apply for different brand of electronic ballast

LIST OF SYMBOL/MARKING

SYMBOL AND MARKING INFORMATION

Symbol/Mark	Explanation
	Luminaires suitable for direct mounting on normally flammable surfaces.
	Class II luminaire: Luminaire in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions such as double insulation or reinforced insulation are provided, there being no provision for protective earthing or reliance upon installation conditions.
	Luminaire not suitable for covering with thermally insulated material.
	Recommended hole size opened on mounting surface for installation of recessed luminaire.
CLASS I	Class I luminaire: Luminaire in which protection against electric shock does not rely on basic insulation only, but which includes an additional safety precaution in such a way that means are provided for the connection of accessible conductive parts to the protective (earthing) conductor in the fixed wiring of the installation in such a way that accessible conductive parts cannot become live in the event of a failure of the basic insulation.

Ingress Protection Rating Table

- a) Protection of persons against contact with or approach to live parts and against contact with moving parts (other than smooth rotating shafts and the like) inside the enclosure and protection of the equipment against ingress of solid foreign bodies.

First characteristic numeral	Degree of protection	
	Short description	Brief details of objects which will be "excluded" from the enclosure.
2	Protected against solid objects greater than 12 mm	Fingers or similar objects not exceeding 80mm in length. Solid objects exceeding 12mm in diameter.
3	Protection against solid objects greater than 2,5mm	Tools, wires, etc., of diameter or thickness greater than 2,5mm. Solid objects exceeding 2,5mm in diameter.
5	Dust-protected	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment.
6	Dust-tight	No ingress of dust.

- b) Protection of the equipment inside the enclosure against harmful ingress of water.

Second characteristic numeral	Degree of protection	
	Short description	Details of the type of protection provided by the enclosure.
0	Non-protected	No special protection.
4	Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effect.
5	Protected against water jets	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect.



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