



Slimline



Rocky



Conversion  
Kit



UFO



WE GUIDE YOU

**THE RIGHT WAY**

*Always leading the way with you*

[www.maxspid.com](http://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

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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 @ Penjuru  
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

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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 Renci Hospital  
NUH  
Outram Community Hospital  
Pioneer Polyclinic  
SGH  
Sengkang Hospital  
Tan Tock Seng Hospital  
Thye Hwa Kuan

## HOTEL

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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  
Tyrnwhitt Hotel  
Village Hotel @ Sentosa  
W Hotel @ Quayside  
Zhong Shan Park Hotel

## INTEGRATED RESORTS (IR)

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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



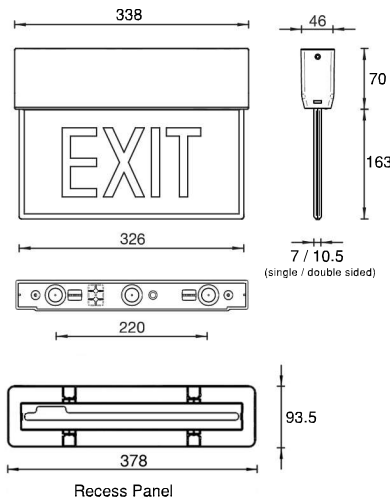
SMT LED with lifespan 50,000 burning hours  
SMT LED surface / recess mount emergency exit light

# 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 batch tested with  
PSB PLS-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 ► (Running Man)
SLS.M.SRE.NC180.WLF	SLS.M.DRE.NC180.WLF	EXIT ► (Running Man)
SLS.M.SRW.NC180.WLF	SLS.M.DRE.NC180.WLF	◄ EXIT (Running Man)
SLS.M.SRS.NC180.WLF		EXIT ► (Running Man)
SLS.M.SRN.NC180.WLF		EXIT ► (Running Man)

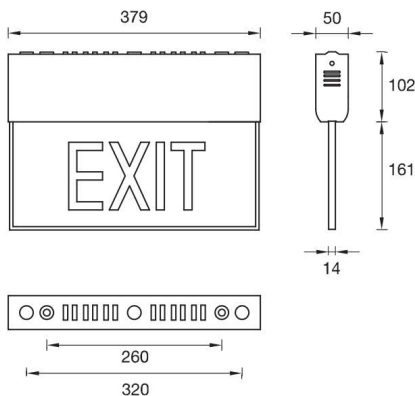
# EMERGENCY EXIT LIGHTS LEDER

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	: 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"



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	EXIT (Running Man)
ES/M/W510RM (E)	ED/M/W510RM (E/W)	EXIT (Running Man) ►
ES/M/W510RM (W)	ED/M/W510RM (E/W)	◄ EXIT (Running Man)
ES/M/W510RM (S)	ED/M/W510RM (S)	EXIT (Running Man) ↓
ES/M/W510RM (N)	ED/M/W510RM (N)	EXIT (Running Man) ↑



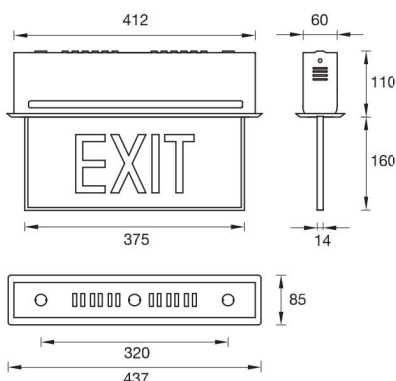
SMT LED with lifespan 50,000 burning hours  
SMT LED recess mount emergency exit light

# 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	: 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"

Type and batch tested with  
PSB PLS-LISTED LABEL

Recess Mount  
Internal Lit  
LED Slim Exit Sign  
415 x 62mm



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

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

# EMERGENCY EXIT LIGHTS CLASSIC

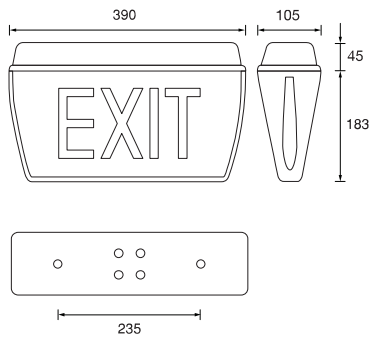
SMT LED with lifespan 50,000 burning hours  
Indoor, outdoor, corrosion resistant weatherproof emergency exit light



## • 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	: 3hrs 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 batch tested with  
PSB PLS-LISTED 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	EXIT
JWS/M/W5100 (R)	JWD/M/W5100 (R/L)	EXIT ►
JWS/M/W5100 (L)	JWD/M/W5100 (R/L)	◄ EXIT
JWS/M/W510RM	JWD/M/W510RM	Running Man
JWS/M/W510RM (E)	JWD/M/W510RM (E/W)	Running Man ►
JWS/M/W510RM (W)	JWD/M/W510RM (E/W)	◄ Running Man

\*Heating strip applicable (for cold room used)



Specifications subject to changes without prior notice.



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

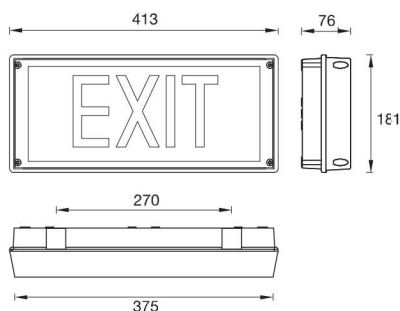
# EMERGENCY EXIT LIGHTS FINESCO



● **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	: 2hrs 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"



Surface/Semi-recessed  
Mount Weatherproof  
Exit 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 icon
KL/M/W510RM (E)	Running man icon ►
KL/M/W510RM (W)	◄ Running man icon

\*Heating strip applicable (for cold room used)



# EMERGENCY EXIT LIGHTS BOXSTER

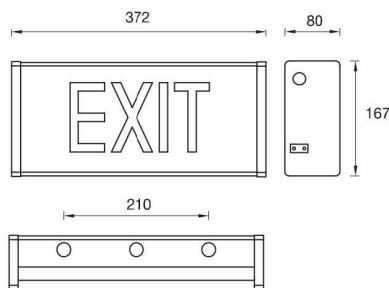
SMT LED with lifespan 50,000 burning hours  
Box type single sided emergency exit light



## • 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 batch tested with  
PSB PLS-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	EXIT
BLS/M/W510RM (E)	EXIT ►
BLS/M/W510RM (W)	◄ EXIT

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

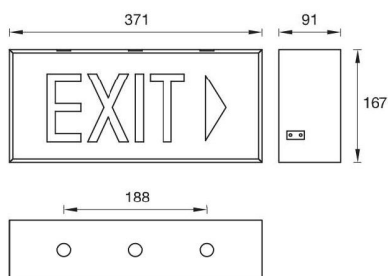
# EMERGENCY EXIT LIGHTS DOUBLE SIDED BOXSTER



● **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"



Surface Mount  
Box Exit Sign



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

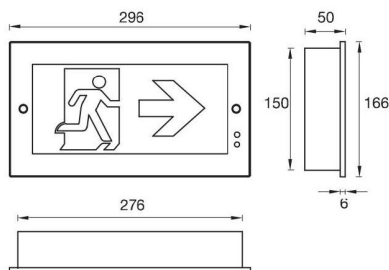
Double Sided	Legend
BHD/M/W5100	EXIT
BHD/M/W5100 (R/L)	EXIT ▶
BHD/M/W5100 (R/L)	◀EXIT
BHD/M/W510RM	▶
BHD/M/W510RM (E/W)	▶
BHD/M/W510RM (E/W)	◀

# 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	



Type and batch tested with  
PSB PLS-TESTED LABEL



280 x 153mm

Fully-recessed  
Low Level Exit Sign



IP20  
CLASS I



Specifications subject to changes without prior notice.





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

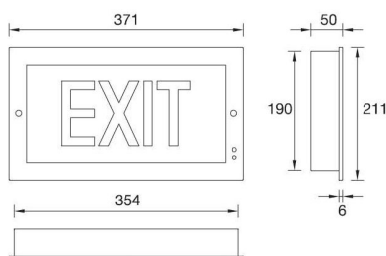
# EMERGENCY EXIT LIGHTS BOXSTER RECESS



## ● 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"



Fully-recessed  
Low Level Exit Sign



IP20  
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	EXIT
BLR/M/W510RM (E)	EXIT ►
BLR/M/W510RM (W)	◄ EXIT

# EMERGENCY POWER PACKS CONVERSION KIT

Emergency kit for fluorescent lamp fitting

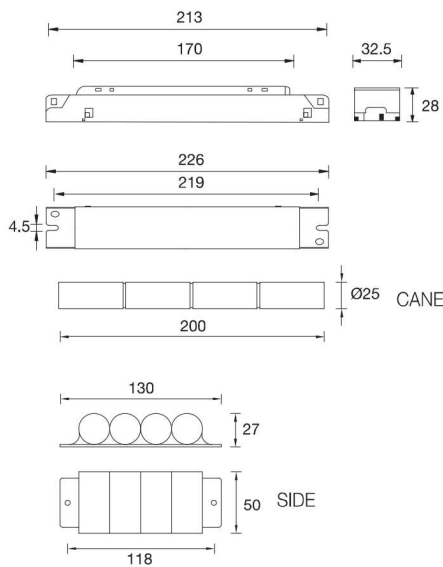


• MEM/M/128E MINI

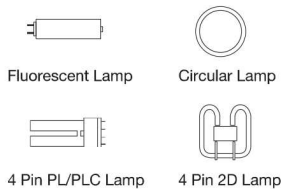
• 4.8V 2.5AH  
(Cane)

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
Pcwer 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 (Dimension:190x31x23mm)	T5 14W (MAINLY FOR 2FT BARE BTN)		3.6V 1.8 AH C3C3 (Dimension:150x30x15mm)
MFM/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 batch tested with  
PSB PLS-LISTED LABEL



\*Note:

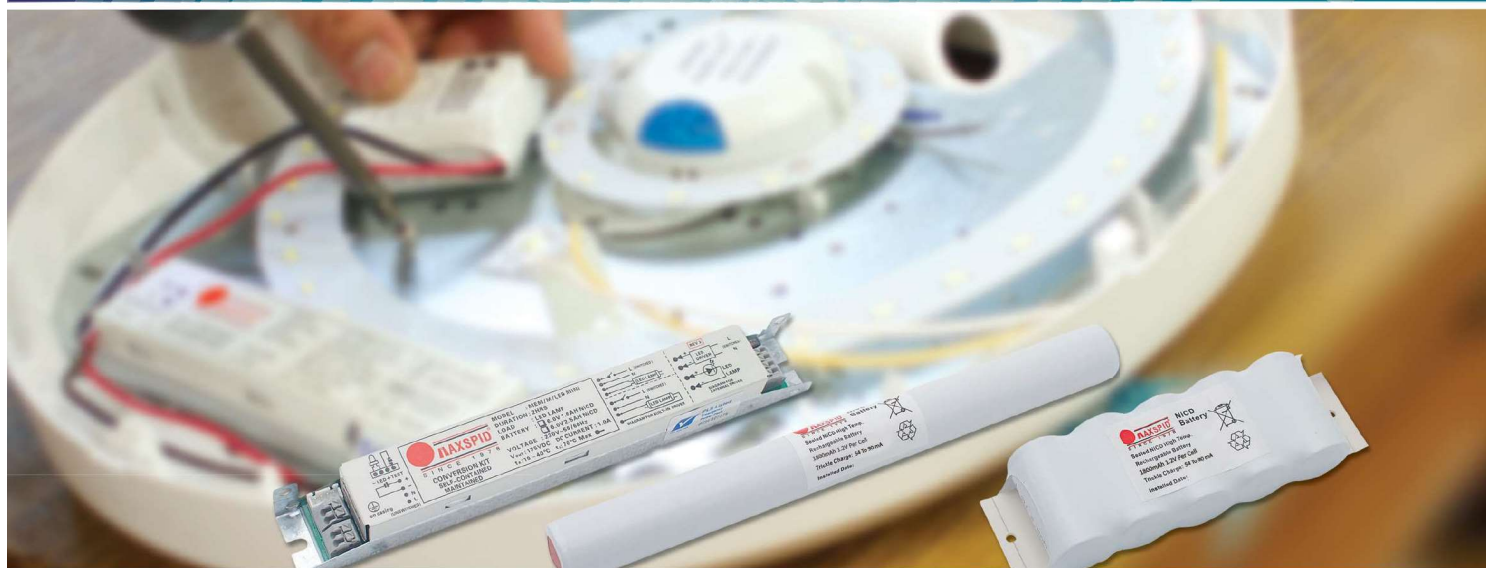
Can be incorporated into combined maintained, combined non-maintained and non-maintained mode of operation.



Specifications subject to changes without prior notice.



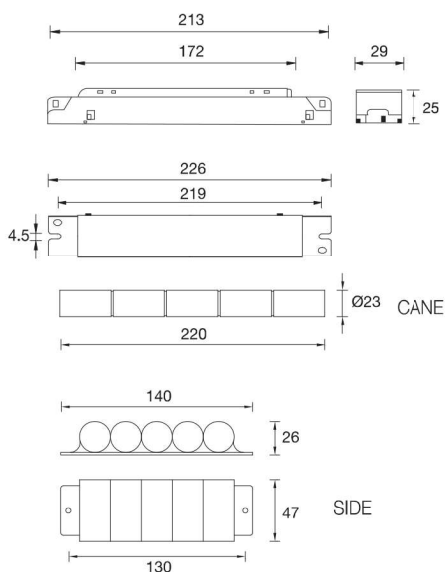




● MEM/M/LED MINI

● 6.0V 1.8AH  
(Cane)

or

● 6.0V 1.8AH  
(Side)

Dimension: mm NTS



LED Lamp

Type and batch tested with  
PSB PLS-LISTED 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 &amp; Driver are suitable for Emergency installation.

# EMERGENCY POWER PACKS CONVERSION KIT

Emergency kit for LED lamp fitting

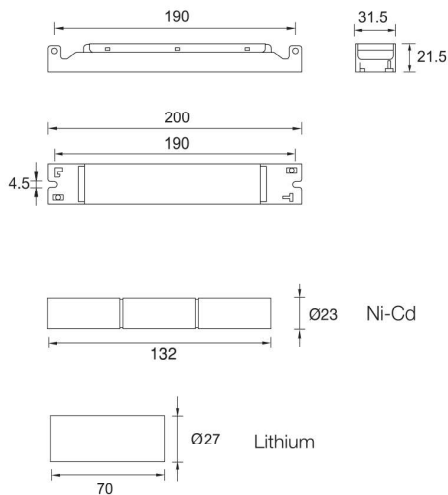


• MEM/M/LED-ATS

• 3.6V 1.7AH  
Ni-Cd

or

• 3.2V 3.3AH  
Lithium



Dimension: mm NTS



LED Lamp



Type and batch tested with  
PSB PLS-LISTED LABEL



## TECHNICAL DATA

Mode of Operation	: Maintained*
Lamp	: LED Module
Rated Duration	: 3hrs 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/M/LED-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.

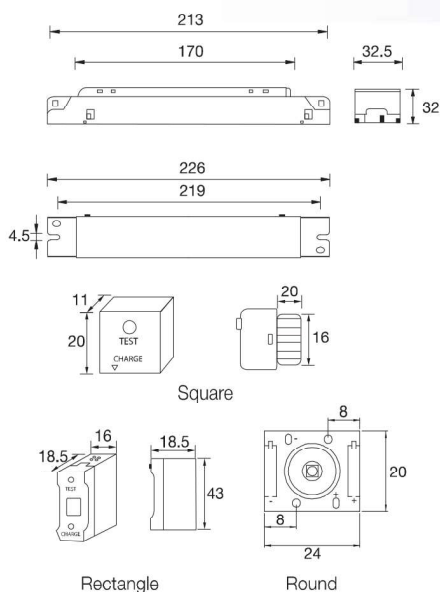
**LED Auxiliary emergency power pack**  
(For Incorporate into light fitting or remote for downlight)

# 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

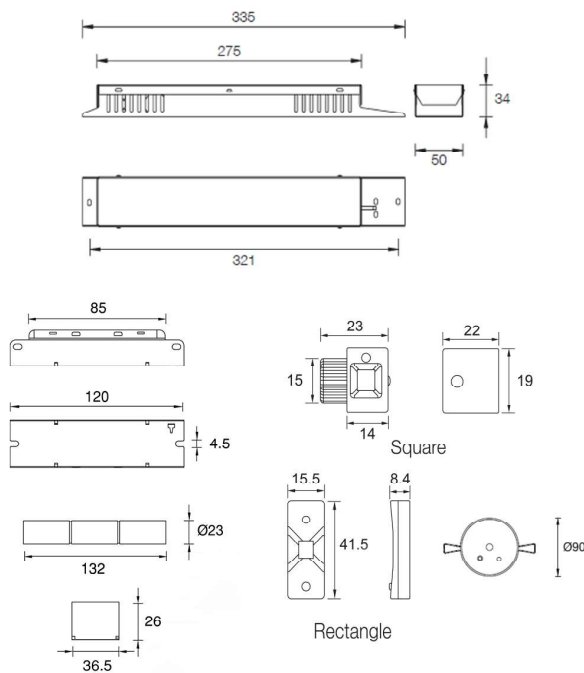
- > High Brightness Output
- > High Lumen/watt Efficiency
- > Low Power Consumption
- > Low Maintenance
- > Long Lifespan



Type and batch tested with  
PSB PLS-LISTED LABEL







Dimension: mm NTS

**High Power L.E.D**

### KEY FEATURES

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

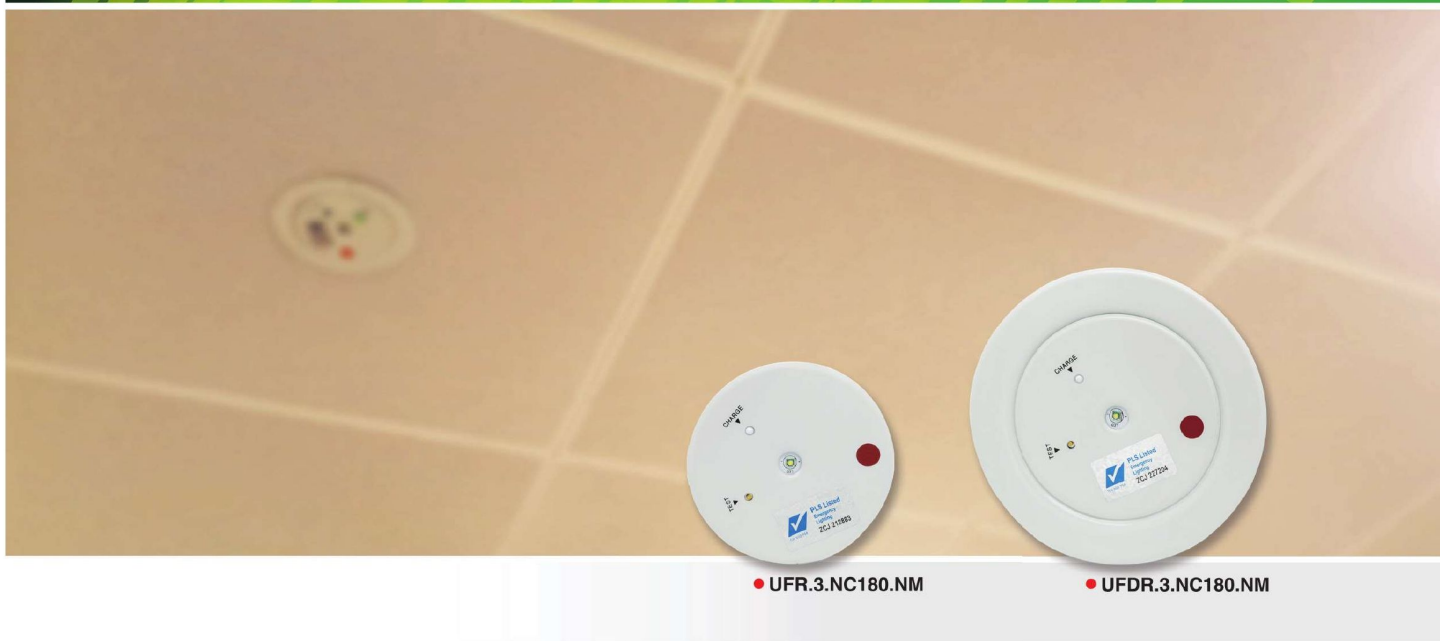


### TECHNICAL DATA

Mode of Operation	: Non-maintained
Lamp	: 3W High Power LED
Rated Duration	: 3hrs 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)	: 0.10kg (gross)
Compliance	: SS 563 : Part 1 & 2, SS IEC 60598-2-22
Warranty	: 1 year

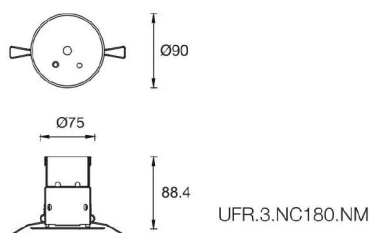
### ORDERING GUIDE (Please check with Sales Dept if customisation is required)

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

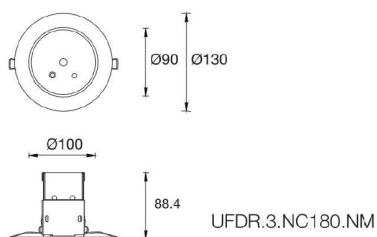


● UFR.3.NC180.NM

● 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  
PSB PLS-LISTED LABELRecess Mount  
Miniature Emergency  
Luminaire  
Ø76 /  
Ø76-Ø100mmIP20  
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

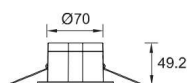
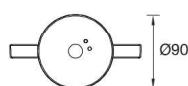
**ORDERING GUIDE** *(Please check with Sales Dept if customisation is required)*

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

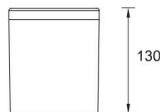
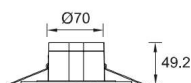
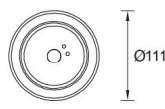
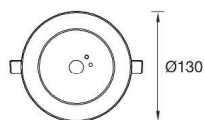


# EMERGENCY LIGHTS UFO

LED Non-maintained recess / surface mount emergency light



UPCR.3.NC180.NM



with Big Disk Adaptor

with Surface Casing

## 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

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 PLS-LISTED LABEL



Ø78 /  
Ø78-Ø100mm

Recess Mount/  
Surface Mount  
Emergency Luminaire



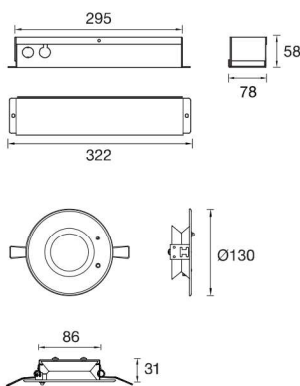
IP20 (Body)  
IP54 (Disk)

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

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



● 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 batch tested with  
PSB PLS-LISTED LABEL

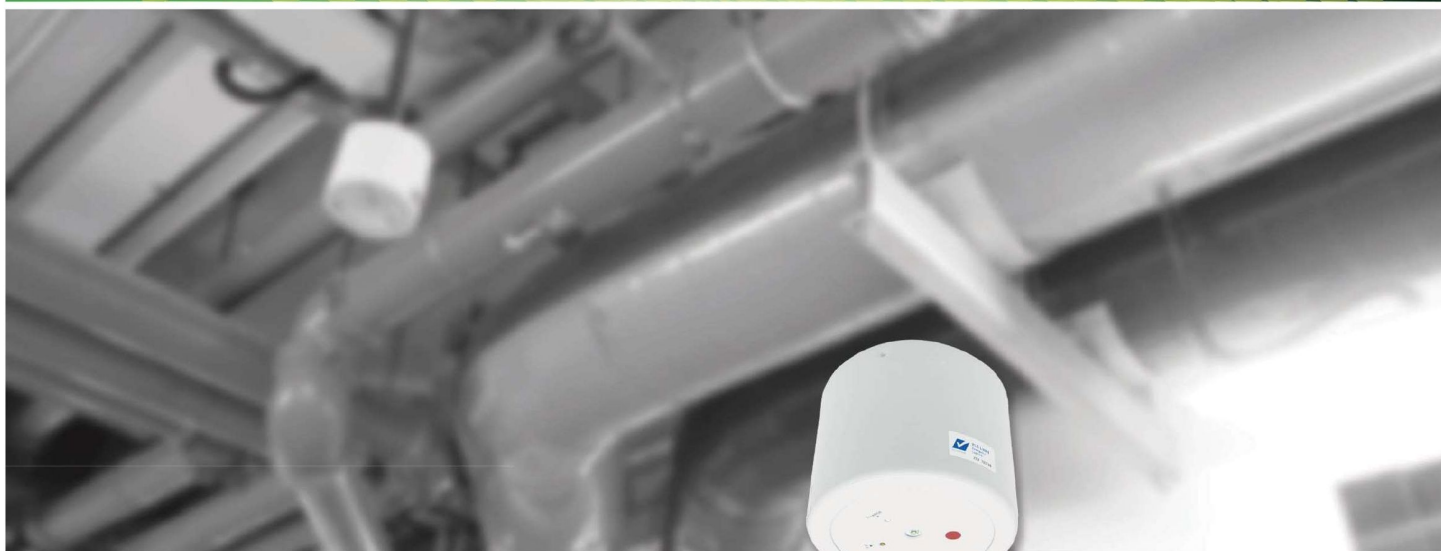


Ø110mm

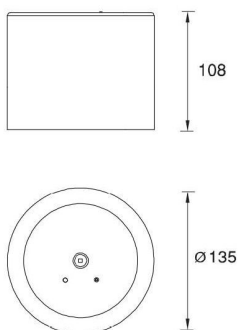
Recess Mount  
Emergency Luminaire



IP20  
CLASS I



● UF.3.NC180.NM



Dimension: mm NTS  
**High Power L.E.D**

## 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



Type and batch tested with  
PSB PLS-TESTED LABEL

Surface Mount  
Emergency Luminaire



IP20  
CLASS I

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

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

# EMERGENCY LIGHTS

## UFO

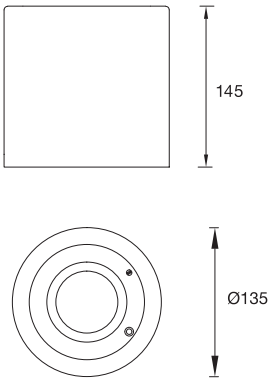
LED Non-maintained surface mount high lumen output emergency light



● UF.10.NC120.NM

### TECHNICAL DATA

Mode of Operation	: Non-Maintained
Lamp	: 10W High Power LED Module
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
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



Dimension: mm NTS  
High Power L.E.D

### 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



Surface Mount  
Emergency Luminaire



Specifications subject to changes without prior notice.





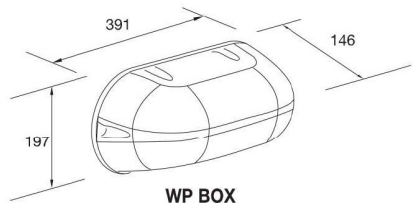
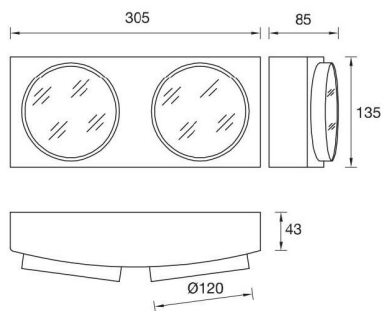
# EMERGENCY LIGHTS MINNIE

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 PLS-LISTED LABEL



IP20



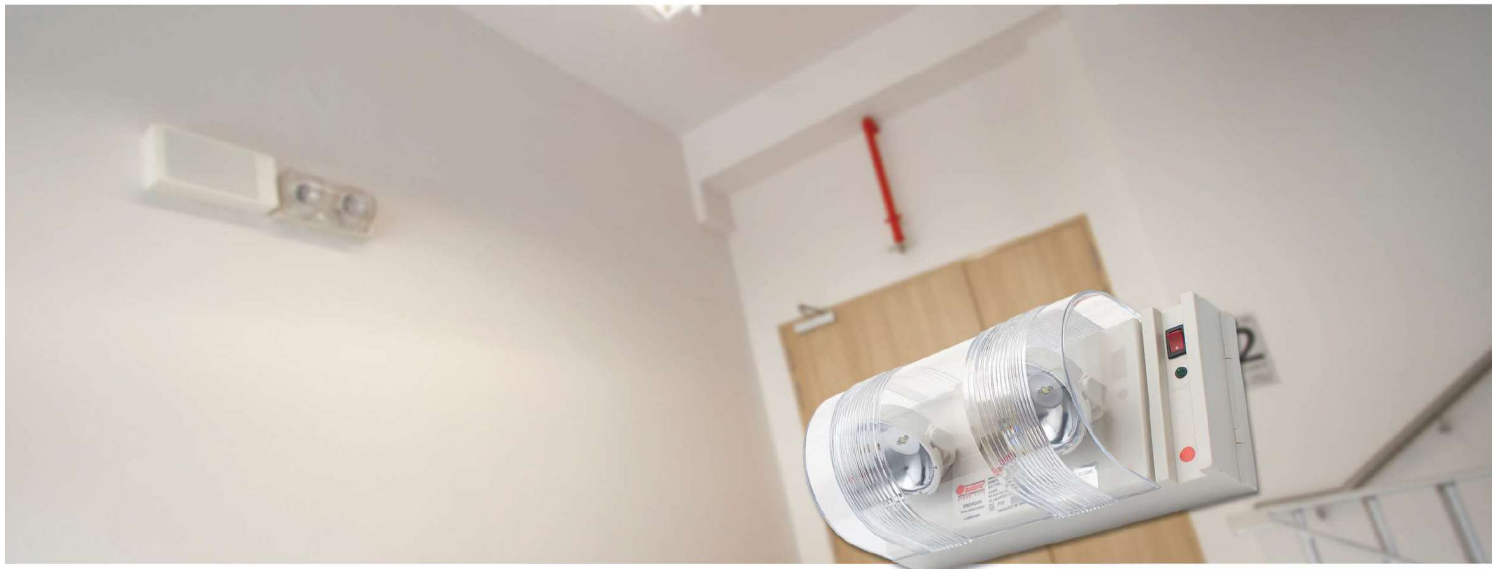
Surface Mount  
Energy Efficient  
Emergency Luminaire



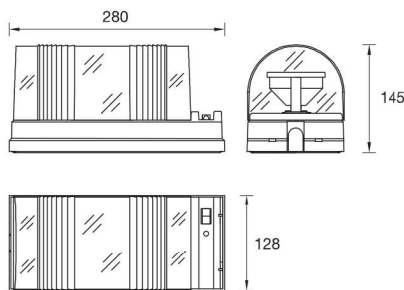
Specifications subject to changes without prior notice.







● 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	: < 2 W
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



Surface Mount  
Flexible Application  
Emergency Luminaire



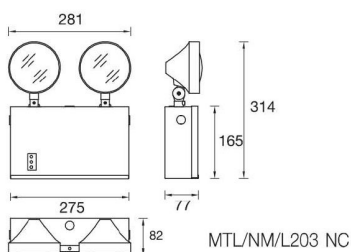
# EMERGENCY LIGHTS TWIN LAMP

LED Non-maintained emergency twin light

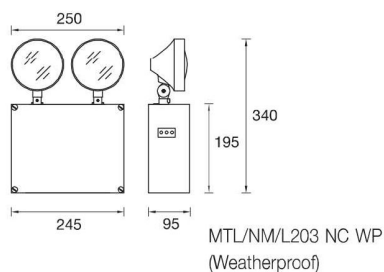


● MTL/NM/L203 NC

● 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 PLS-LISTED LABEL

Surface Mount  
Wide Angle  
Emergency Luminaire



IP20 / IP65  
CLASS I

## 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

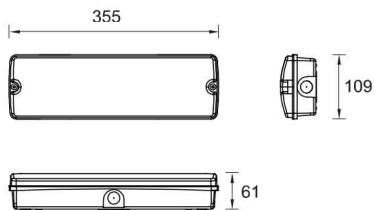
\*Heating strip applicable (for cold room used)

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

# EMERGENCY LIGHTS ROCKY



● MEW.3.NC180.NM



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 batch tested with  
PSB PLS-LISTED LABEL



Surface Mount  
Compact Emergency  
Luminaire



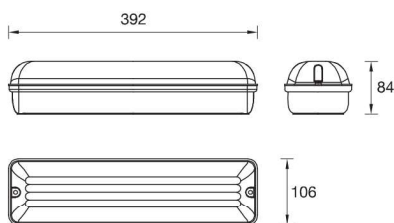


# EMERGENCY LIGHTS CLASSIC

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.

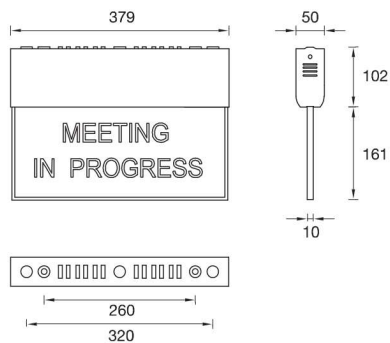
\*Heating strip applicable (for cold room used)



Type and batch tested with  
PSB PLS-LISTED LABEL

Surface Mount  
Compact Emergency  
Luminaire





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

LASER IN OPERATION	DARK ROOM IN USE	BRIEFING IN PROGRESS
PLANNING IN PROGRESS	TRAINING IN PROGRESS	AUDITORIUM IN USE

Surface Mount  
Slim Sign

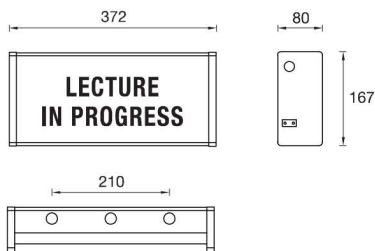


# CUSTOMIZED SIGNAGE BOXER

Box type single sided slave unit



● MLS/W5100



Dimension: mm NTS

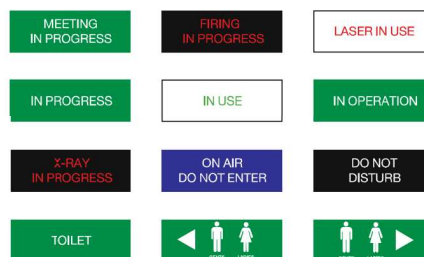
## TECHNICAL DATA

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



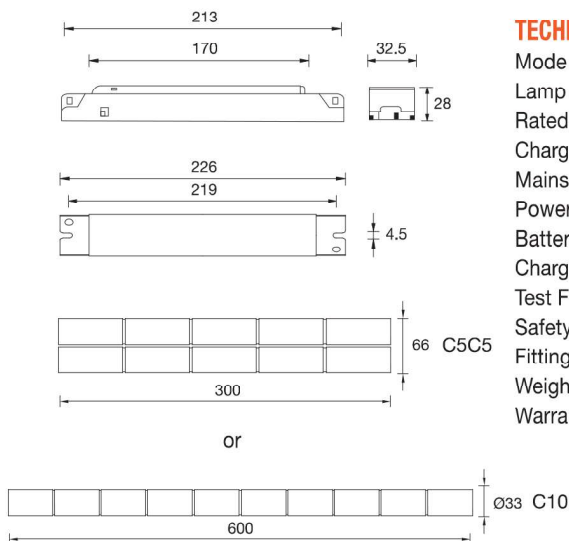
Surface Mount  
Box Sign







● 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	: < 4.7 W
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 customisation is required)*

Model	Lamp (For reference only)
MEM/M/LED-AC MINI	Osram 20W ST8 - HT4 - 170 - 865 AC LED Lamp
	Philips Master T8 19W AC LED Lamp

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

Dimension: mm NTS



LED Lamp

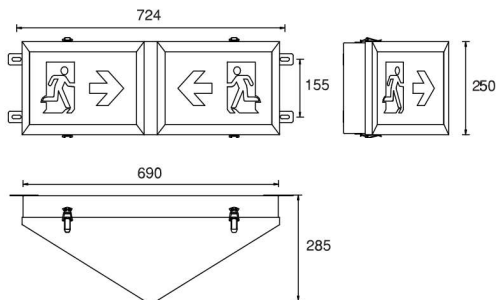


# TUNNEL EXIT LIGHTS TRILITE

Surface mount triangular slave unit



• 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	: 10 kg (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



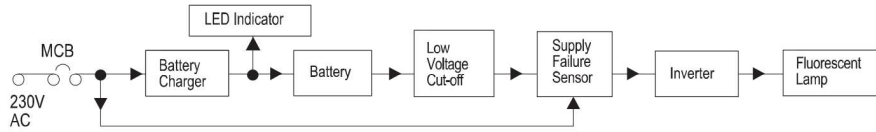
# TECHNICAL INFORMATION

# STANDARD MODES

# OF OPERATION

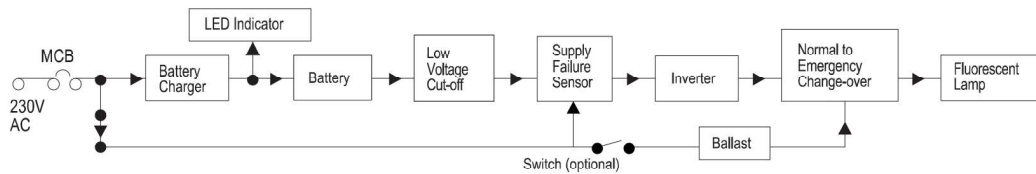
## NM Non-Maintained Mode

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.



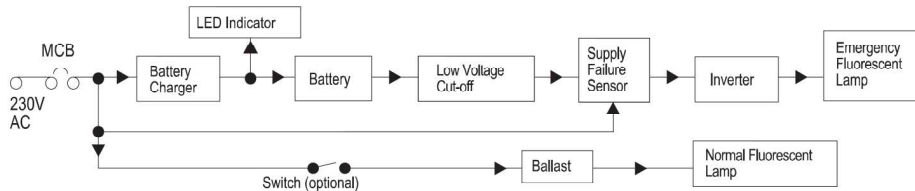
## M Maintained Mode

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.



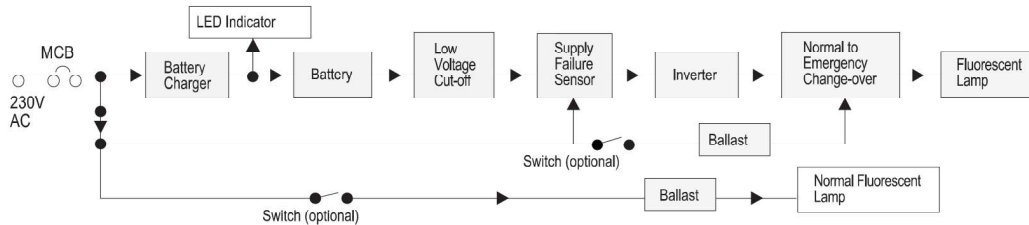
## CNM Combined Non-Maintained Mode (formerly called Sustained)

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				



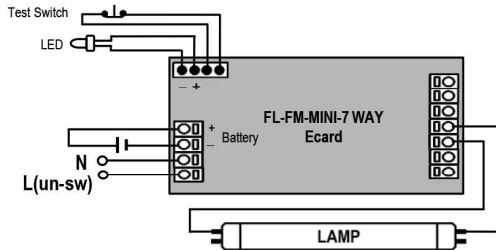
# OPERATION AND WIRING INFORMATION

>> 1. Typical wiring layout for non-maintained mode :

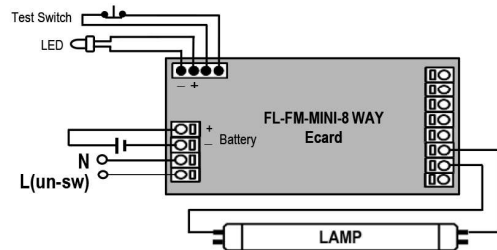
NM 

L (un-sw) (Unswitched Supply) and N as marked.

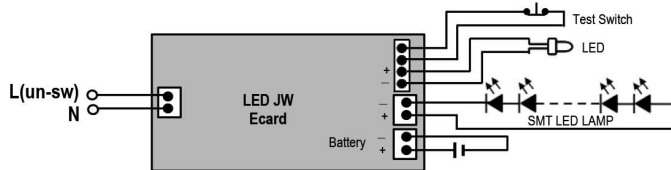
1.01a) For 1x4-pin FL Lamp



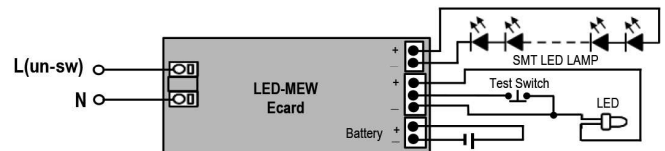
1.01b) For 1x4-pin FL Lamp



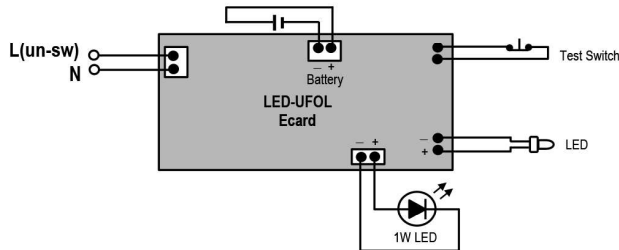
1.02a) For SMT LED Lamp



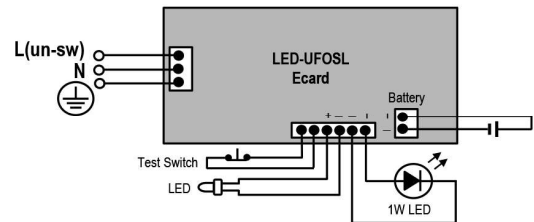
1.02b) For SMT LED Lamp



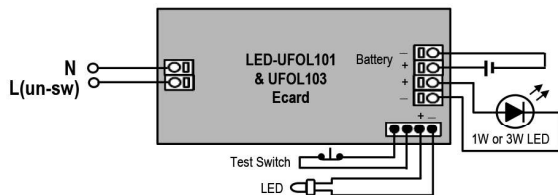
1.03a) For 1W LED Lamp



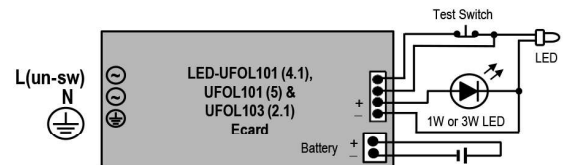
1.03b) For 1W LED Lamp



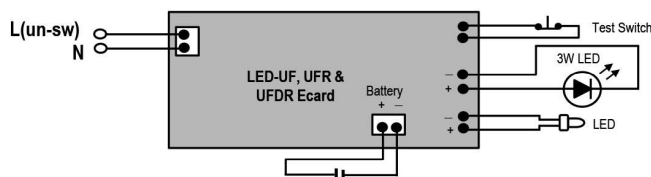
1.03c) For 1W or 3W LED Lamp



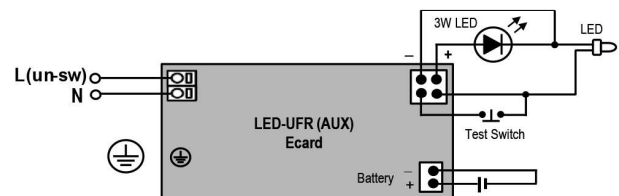
1.03d) For 1W or 3W LED Lamp



1.03e) For 3W LED Lamp



1.03f) For 3W LED Lamp



# TECHNICAL INFORMATION

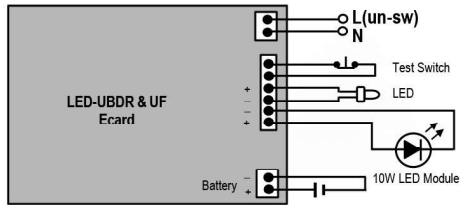
# OPERATION AND

# WIRING INFORMATION

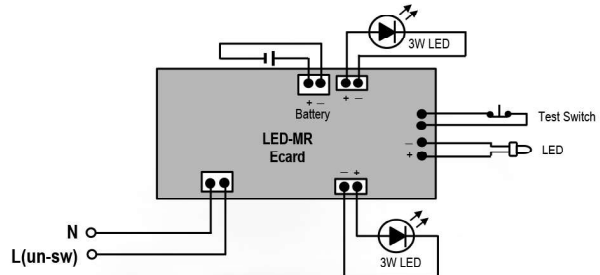
>> 1. Typical wiring layout for non-maintained mode :  
L (un-sw) (Unswitched Supply) and N as marked.

NM 

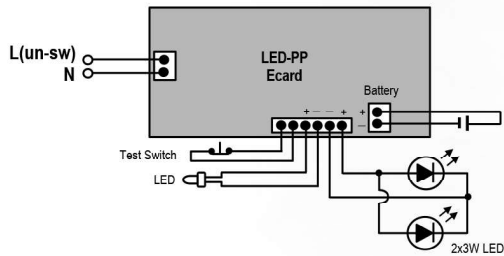
1.04) For 10W LED Module



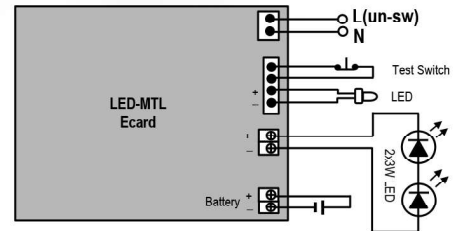
1.05) For 2x3W LED Lamp



1.06) For 2x3W LED Lamp



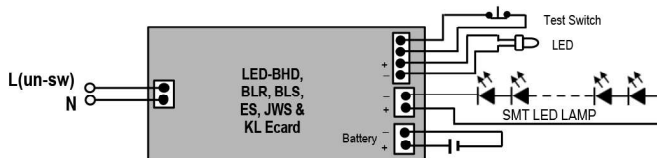
1.07) For 2x3W LED Lamp



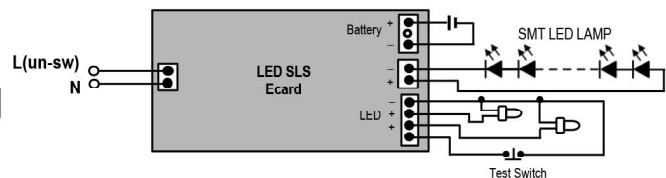
>> 2. Typical wiring layout for maintained mode :  
L (un-sw) (Unswitched Supply) and N as marked.

M 

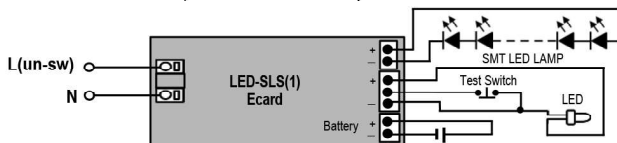
2.01a) For SMT LED Lamp



2.01b) For SMT LED Lamp



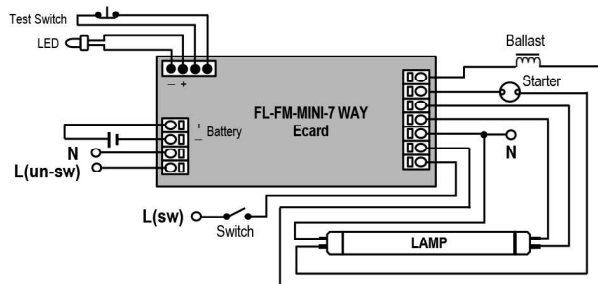
2.01c) For SMT LED Lamp



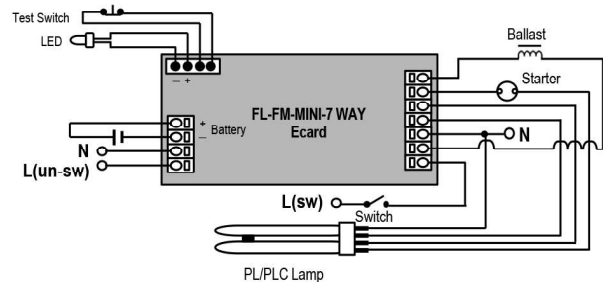
>> 3. Typical wiring layout for maintained mode with conventional ballast :  
L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

M 

3.01a) For 1x4-pin FL Lamp



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



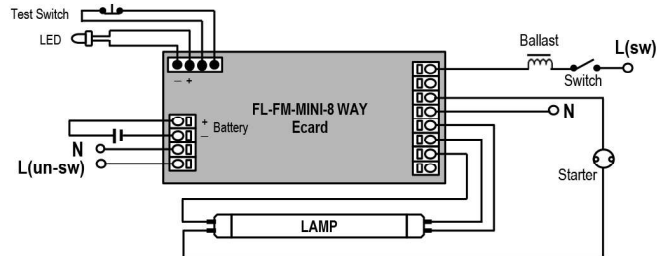
# OPERATION AND WIRING INFORMATION

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

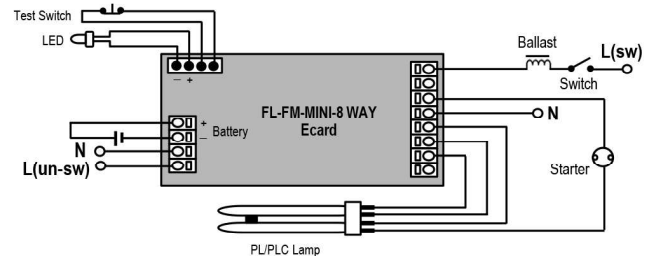


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

3.01c) For 1x4-pin FL Lamp



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

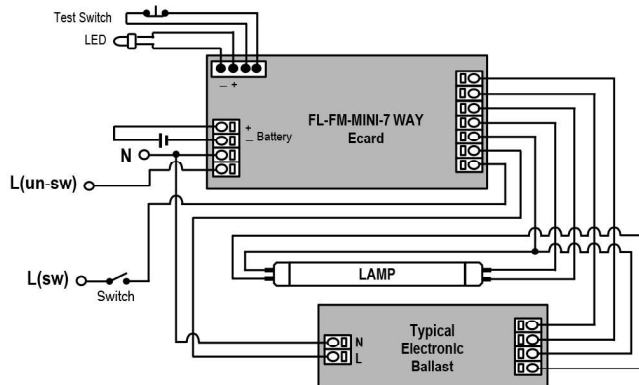


## >> 4. Typical wiring layout for maintained mode with electronic ballast :

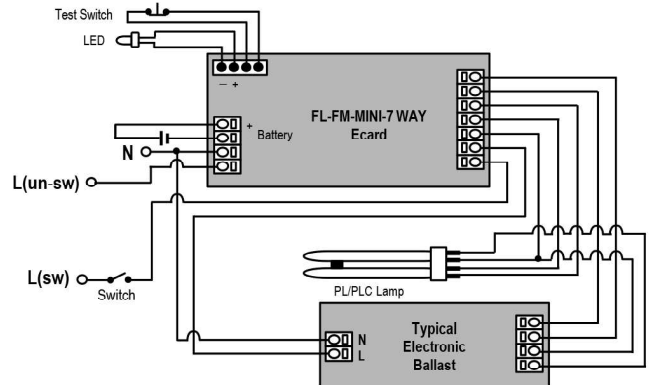


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

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

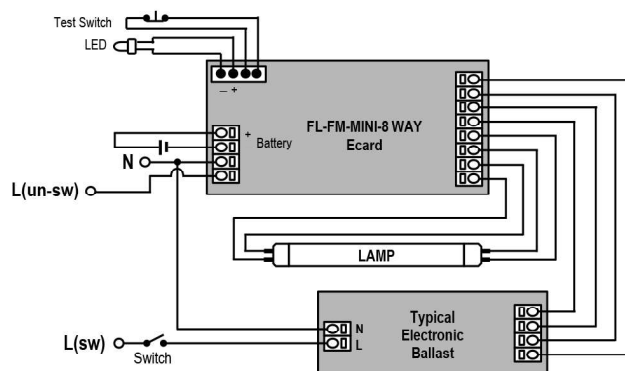


4.02) For 1x4-pin PL/PLC Lamp with electronic ballast

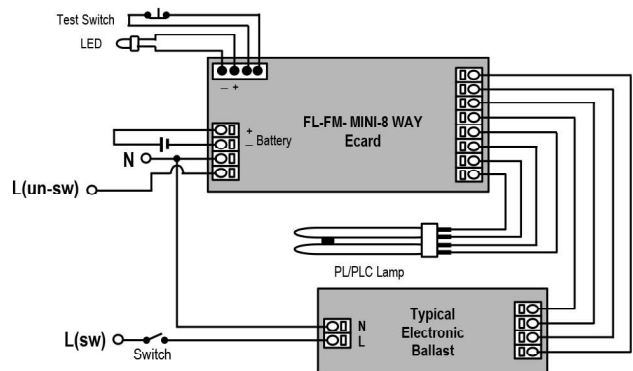


\*Different wiring apply for different brand of electronic ballast

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

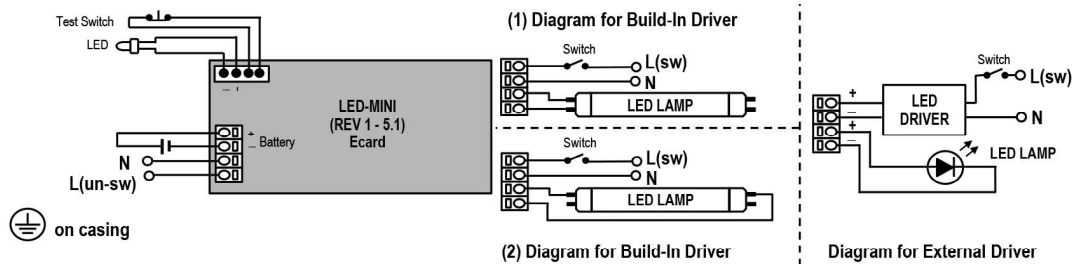
# WIRING INFORMATION

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

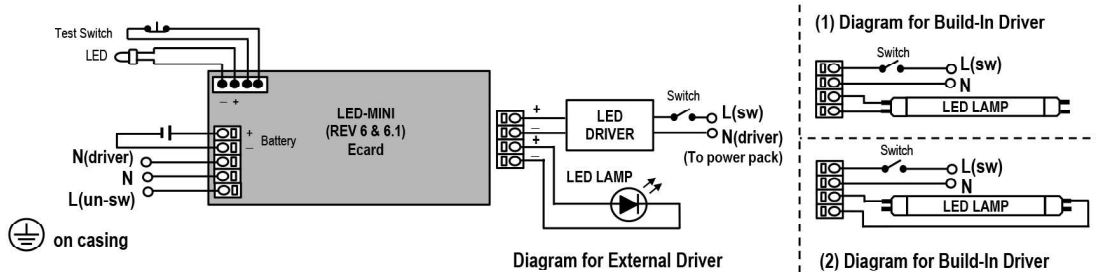


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

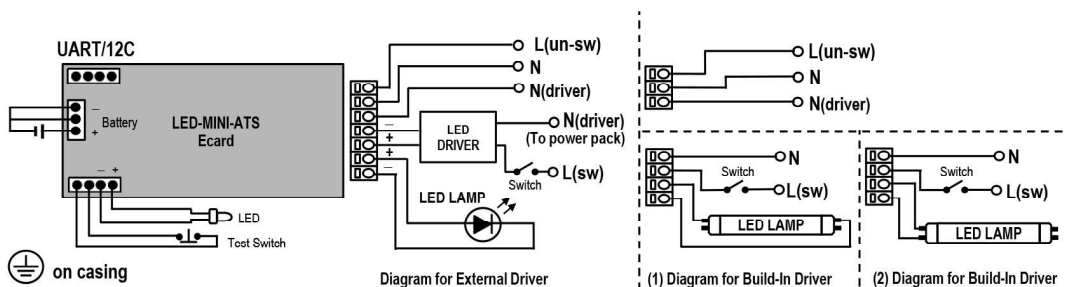
### 5.01) For T8 LED LAMP/LED Module



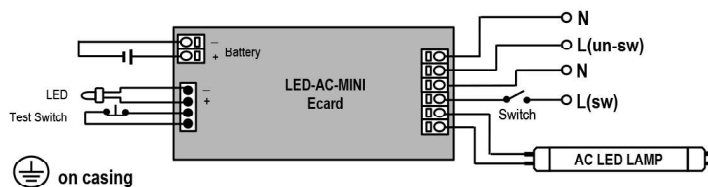
### 5.02) For T8 LED LAMP/LED Module



### 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.

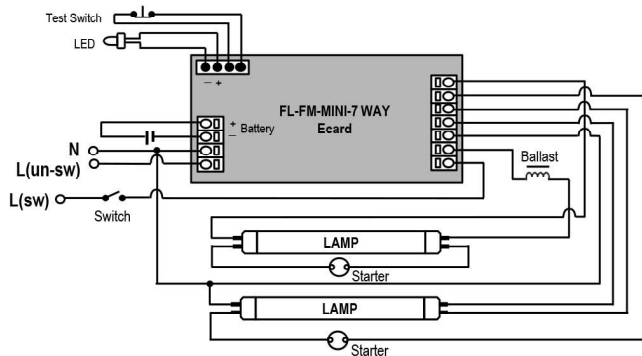
# OPERATION AND WIRING INFORMATION

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

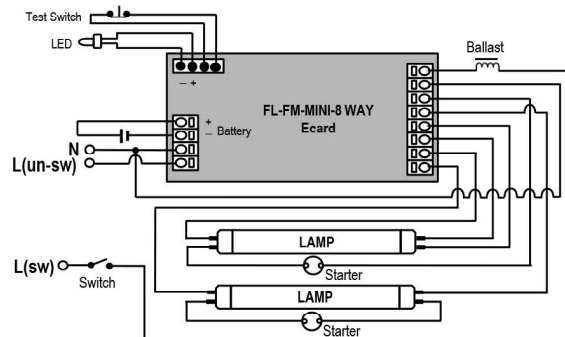


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

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



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

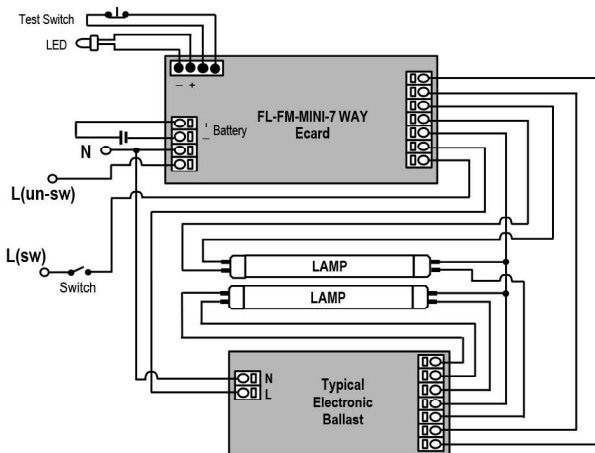


## >> 8. Typical wiring layout for combined maintained mode with electronic ballast :

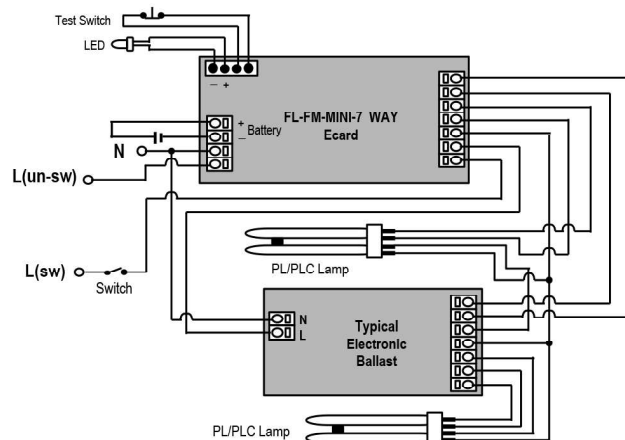


L(sw) (Switched Supply), L(un-sw) (Unswitched Supply) and N as marked, not interchangeable and must be of the same phase as ELCB.

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

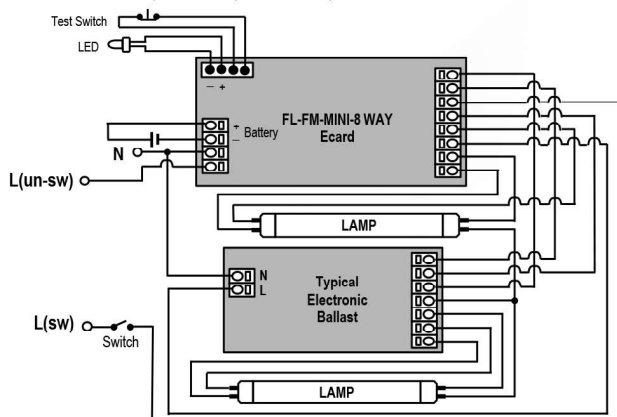


8.02) For 2x4-pin PL/PLC Lamp with electronic ballast

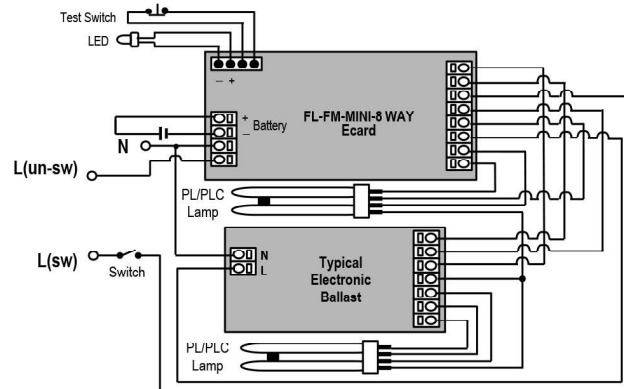


\*Different wiring apply for different brand of electronic ballast

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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