### EMERGENCY EXIT LIGHTS

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZEBRA</td>
<td>ZS/M/1020</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>ZSR/M/1020</td>
<td>7</td>
</tr>
<tr>
<td>LEDER</td>
<td>ES/M/W5100</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>ESR/M/W5100</td>
<td>9</td>
</tr>
<tr>
<td>CLASSIC</td>
<td>JWS/M/W5100</td>
<td>10</td>
</tr>
<tr>
<td>FINESCO</td>
<td>KL/M/W5100</td>
<td>11</td>
</tr>
<tr>
<td>BOXSTER</td>
<td>BLS/M/W5100</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>BHD/M/W5100 (R/L)</td>
<td>13</td>
</tr>
<tr>
<td>BOXSTER RECESS</td>
<td>BLR/M/W5100RM (E) MINI</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>BLR/M/1020 (R)</td>
<td>15</td>
</tr>
</tbody>
</table>

### EMERGENCY LIGHTS

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARLITE</td>
<td>UFO/NM/L101 NC</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>UFOR/NM/L303 NC</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>UFO/NM/110</td>
<td>24</td>
</tr>
<tr>
<td>CAPSULE</td>
<td>UFOS/NM/L101 NC</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>UFOS/NM/L303 NC</td>
<td>26</td>
</tr>
<tr>
<td>TWIN LAMP</td>
<td>MTL/NM/L203</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>MTL/NM/210-TH</td>
<td>28</td>
</tr>
<tr>
<td>MINNIE</td>
<td>MR203L NC</td>
<td>29</td>
</tr>
<tr>
<td>PROVIDER</td>
<td>PP203L NC</td>
<td>30</td>
</tr>
<tr>
<td>CLASSIC</td>
<td>JW/NM/W5100</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>JW/NM/108</td>
<td>32</td>
</tr>
<tr>
<td>STAIRWAY</td>
<td>SR/CNM/L103</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td>SW/CNM/L103</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>SC/CNM/L103</td>
<td>35</td>
</tr>
</tbody>
</table>

### NON PSB PLS-LISTED PRODUCTS

<table>
<thead>
<tr>
<th>Brand</th>
<th>Model</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOXER</td>
<td>MLS/W5100 (SLAVE)</td>
<td>36</td>
</tr>
<tr>
<td>LEDER</td>
<td>ES/W5100 (SLAVE)</td>
<td>37</td>
</tr>
<tr>
<td>ELEGANCE</td>
<td>MC/NM/208</td>
<td>38</td>
</tr>
<tr>
<td>POWER PACK</td>
<td>MPP/M/PL7-PLC26</td>
<td>39</td>
</tr>
<tr>
<td>CONVERSION KIT</td>
<td>PL/M/PL7-PLC13 NC</td>
<td>40</td>
</tr>
</tbody>
</table>

### TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD MODES OF OPERATION</td>
<td>41</td>
</tr>
<tr>
<td>OPERATION AND WIRING INFORMATION</td>
<td>42-47</td>
</tr>
</tbody>
</table>
MISSION STATEMENT

To be the region’s leading choice for emergency lighting solutions through constant innovation, quality products and excellent services.

KEY MILESTONES

→ 1978
Founded as a sole proprietorship

→ 1982
Turned into an incorporation

→ 1994
Awarded the ISO 9000 certification award by PSB

→ 1999
Expanded into a 5-storey terrace factory

→ 2008
International expansion

→ 2009
Recognised market leader in Singapore’s emergency lighting industry
Maxspid products are built to adhere strictly to the Singapore Standard 563, 508 and 263 part 2. 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. Our exit signage luminaires use different types of lamp applications (CCFL, LED, Fluorescent) and operation mode (maintained or combined non-maintained).

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.

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 commercials purposes. Our manufacturing process includes assembly testing, APCB and SMT production.

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, Thailand, South Africa, UAE, Australia and Philippines.
Maxspid has installed a wide variety of exit lights and emergency luminaires on landmark buildings all over Singapore.

Our impressive portfolio includes ION Orchard, Changi Airport Terminal 3, Resorts World @ Sentosa and Laselle SIA Art College.

Contact us to find out more.
EMERGENCY EXIT LIGHTS

ZEBRA

CCFL Lamp with lifespan 50,000 burning hours
Cold cathode fluorescent lamp surface mount emergency exit light

TECHNICAL DATA

Mode of operation : Maintained
Lamp : 1 x 2W T2 Cold Cathode Fluorescent Lamp (CCFL)
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 3VA
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 : 2.6kg (gross)
Compliance : SS563 : Part 1 & 2, SS 263 : Part 2
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Double Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZS/M/1020</td>
<td>ZD/M/1020</td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/1020 (R)</td>
<td>ZD/M/1020 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/1020 (L)</td>
<td>ZD/M/1020 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/102RM</td>
<td>ZD/M/102RM</td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/102RM (E)</td>
<td>ZD/M/102RM (E/W)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/102RM (W)</td>
<td>ZD/M/102RM (E/W)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/102RM (S)</td>
<td></td>
<td>EXIT</td>
</tr>
<tr>
<td>ZS/M/102RM (N)</td>
<td></td>
<td>EXIT</td>
</tr>
</tbody>
</table>

KEY FEATURES

> high brightness output
> highest lumen/watt efficiency
> low heat
> low power consumption
> low maintenance
> long lifespan
> snap-on T2 lamp for easy replacement

Specifications subject to changes without prior notice
**EMERGENCY EXIT LIGHTS**

**ZEBRA**

CCFL Lamp with lifespan 50,000 burning hours
Cold cathode fluorescent lamp recess mount emergency exit light

---

**TECHNICAL DATA**

- **Mode of operation**: Maintained
- **Lamp**: 1 x 2W T2 Cold Cathode Fluorescent Lamp (CCFL)
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 3VA
- **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**: Recess
- **Cable entry**: Ø20mm K/O hole
- **Weight**: 2.9kg (gross)
- **Compliance**: SS563 : Part 1 & 2, SS 263 : Part 2
- **Warranty**: 1 year

**ORDERING GUIDE**

( Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Double Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZSR/M/1020</td>
<td>ZDR/M/1020</td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/1020 (R)</td>
<td>ZDR/M/1020 (R/L)</td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/1020 (L)</td>
<td>ZDR/M/1020 (R/L)</td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/102RM</td>
<td>ZDR/M/102RM</td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/102RM (E)</td>
<td>ZDR/M/102RM (E/W)</td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/102RM (W)</td>
<td>ZDR/M/102RM (E/W)</td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/102RM (S)</td>
<td></td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
<tr>
<td>ZSR/M/102RM (N)</td>
<td></td>
<td><img src="exit" alt="EXIT" /></td>
</tr>
</tbody>
</table>

**KEY FEATURES**

- high brightness output
- highest lumen/watt efficiency
- low heat
- low power consumption
- low maintenance
- long lifespan
- snap-on T2 lamp for easy replacement

Specifications subject to changes without prior notice
EMERGENCY EXIT LIGHTS

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

TECHNICAL DATA

- **Mode of operation**: Maintained
- **Lamp**: Maxspid 1W T2 SMT LED Lamp
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 2VA
- **Battery**: Nickel-metal hydride
- **Charge monitor**: Green LED Ø5mm
- **Test facility**: Micro switch
- **Safety feature**: Low volt cut-off preventing battery overdischarge
- **Fitting construction**: Electro galvanized 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**: SS563 : Part 1 & 2, SS 263 : Part 2
- **Warranty**: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Double Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES/M/W5100</td>
<td>ED/M/W5100</td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W5100 (R)</td>
<td>ED/M/W5100 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W5100 (L)</td>
<td>ED/M/W5100 (L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W510RM</td>
<td>ED/M/W510RM</td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W510RM (E)</td>
<td>ED/M/W510RM (E/W)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W510RM (W)</td>
<td>ED/M/W510RM (W)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W510RM (S)</td>
<td></td>
<td>EXIT</td>
</tr>
<tr>
<td>ES/M/W510RM (N)</td>
<td></td>
<td>EXIT</td>
</tr>
</tbody>
</table>

KEY FEATURES

- using surface mount technology LED
- high durability & reliability
- low heat
- low maintenance
- low power consumption
- no “black ends”
- snap-on T2 SMT LED lamp for easy replacement

Specifications subject to changes without prior notice
**EMERGENCY EXIT LIGHTS**

**LEDER**

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

**TECHNICAL DATA**

- Mode of operation: Maintained
- Lamp: Maxspid 1W T2 SMT LED Lamp
- Rated duration: 2 hr and others
- Mains supply: 230 Volts, 50/60Hz
- Power consumption: 2VA
- Battery: Nickel-metal hydride
- 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: Recess
- Cable entry: Ø20mm K/O hole
- Weight: 2.9kg (gross)
- Warranty: 1 year

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Double Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESR/M/W5100</td>
<td>EDR/M/W5100</td>
<td>EXIT</td>
</tr>
<tr>
<td>ESR/M/W5100 (R)</td>
<td>EDR/M/W5100 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ESR/M/W5100 (L)</td>
<td>EDR/M/W5100 (L/R)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ESR/M/W510RM</td>
<td>EDR/M/W510RM</td>
<td>EXIT</td>
</tr>
<tr>
<td>ESR/M/W510RM (E)</td>
<td>EDR/M/W510RM (E/W)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ESR/M/W510RM (W)</td>
<td>EDR/M/W510RM (W/E)</td>
<td>EXIT</td>
</tr>
<tr>
<td>ESR/M/W510RM (S)</td>
<td>EDR/M/W510RM (S/E)</td>
<td>EXIT</td>
</tr>
</tbody>
</table>

**KEY FEATURES**

> using surface mount technology LED
> high durability & reliability
> low heat
> low maintenance
> low power consumption
> no “black ends”
> snap-on T2 SMT LED lamp for easy replacement
EMERGENCY EXIT LIGHTS

CLASSIC

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

TECHNICAL DATA

Mode of operation : Maintained
Lamp : Maxspid 1W T2 SMT LED Lamp
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 2VA
Battery : Nickel-metal hydride
Charge monitor : Green LED Ø5mm
Test facility : Push-off test 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 : SS563 : Part 1 & 2, SS 263 : Part 2
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Double Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>JWS/M/W5100</td>
<td>JWD/M/W5100</td>
<td>EXIT</td>
</tr>
<tr>
<td>JWS/M/W5100 (R)</td>
<td>JWD/M/W5100 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>JWS/M/W5100 (L)</td>
<td>JWD/M/W5100 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>JWS/M/W510RM</td>
<td>JWD/M/W510RM</td>
<td>EXIT</td>
</tr>
<tr>
<td>JWS/M/W510RM (E)</td>
<td>JWD/M/W510RM (E/W)</td>
<td>EXIT</td>
</tr>
<tr>
<td>JWS/M/W510RM (W)</td>
<td>JWD/M/W510RM (E/W)</td>
<td>EXIT</td>
</tr>
</tbody>
</table>

KEY FEATURES

> using surface mount technology LED
> high durability & reliability
> low heat
> low maintenance
> low power consumption
> no “black ends”
> snap-on T2 SMT LED lamp for easy replacement

** 1x8W Fluorescent type available upon request (Non PSB PLS listed)
SMT LED with lifespan 50,000 burning hours
Indoor, outdoor, corrosion resistant weatherproof emergency exit light

**TECHNICAL DATA**

- **Mode of operation**: Maintained
- **Lamp**: Maxspid 1W T2 SMT LED Lamp
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 2VA
- **Battery**: Nickel-metal hydride
- **Charge monitor**: Green LED Ø5mm
- **Test facility**: Push-off test 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**: 1.7kg (gross)
- **Compliance**: SS563 : Part 1 & 2, SS 263 : Part 2
- **Warranty**: 1 year

---

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>KL/M/W5100</td>
<td>EXIT</td>
</tr>
<tr>
<td>KL/M/W5100 (R)</td>
<td>EXIT ➔</td>
</tr>
<tr>
<td>KL/M/W5100 (L)</td>
<td>EXIT ➔</td>
</tr>
<tr>
<td>KL/M/W510RM</td>
<td>➔</td>
</tr>
<tr>
<td>KL/M/W510RM (E)</td>
<td>➔ obelem</td>
</tr>
<tr>
<td>KL/M/W510RM (W)</td>
<td>➔ (E)</td>
</tr>
</tbody>
</table>

---

**KEY FEATURES**

- using surface mount technology LED
- high durability & reliability
- low heat
- low maintenance
- low power consumption
- no “black ends”
- snap-on T2 SMT LED lamp for easy replacement

** 1x8W Fluorescent type available upon request

(Comply to CP19, SS263 : Part 2)
EMERGENCY EXIT LIGHTS

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

TECHNICAL DATA
Mode of operation : Maintained
Lamp : Maxspid 1W T2 SMT LED Lamp
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 2VA
Battery : Nickel-metal hydride
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 : SS563 : Part 1 & 2, SS 263 : Part 2
Warranty : 1 year

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

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLS/M/W5100</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLS/M/W5100 (R)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLS/M/W5100 (L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLS/M/W510RM</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLS/M/W510RM (E)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLS/M/W510RM (W)</td>
<td>EXIT</td>
</tr>
</tbody>
</table>

KEY FEATURES
> using surface mount technology LED
> high durability & reliability
> low heat
> low maintenance
> low power consumption
> no “black ends”
> snap-on T2 SMT LED lamp for easy replacement

** 2x8W Fluorescent type available upon request
(Comply to CP19, SS263 : Part 2)
EMERGENCY EXIT LIGHTS

BOXSTER
DOUBLE SIDED

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

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>2W High Power LED</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>3VA</td>
</tr>
<tr>
<td>Battery</td>
<td>Nickel-metal hydride</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Micro switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Diffuser</td>
<td>Fire retardant moulded acrylic</td>
</tr>
<tr>
<td>Mounting</td>
<td>Ceiling</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>2.0kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Double Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHD/M/W5100</td>
<td>EXIT</td>
</tr>
<tr>
<td>BHD/M/W5100 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BHD/M/W5100 (R/L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BHD/M/W510RM</td>
<td>EXIT</td>
</tr>
<tr>
<td>BHD/M/W510RM (E/W)</td>
<td>running-man</td>
</tr>
<tr>
<td>BHD/M/W510RM (E/W)</td>
<td>running-man</td>
</tr>
</tbody>
</table>

KEY FEATURES

- low heat
- low maintenance
- no “black ends”
- low power consumption
- long lifespan

** 2x8W Fluorescent type available upon request
(Comply to CP19, SS263 : Part 2)

Specifications subject to changes without prior notice
EMERGENCY EXIT LIGHTS

BOXSTER RECESS

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

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Mode of operation</th>
<th>Maintained</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp</td>
<td>Maxspid 1W T2 SMT LED Lamp</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>2VA</td>
</tr>
<tr>
<td>Battery</td>
<td>Nickel-metal hydride</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Micro switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Diffuser</td>
<td>Fire retardant moulded acrylic</td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall fully-recessed</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>1.6kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLR/M/W510RM MINI</td>
<td><img src="image" alt="Running-man graphical exit signs" /></td>
</tr>
<tr>
<td>BLR/M/W510RM (E) MINI</td>
<td><img src="image" alt="Running-man graphical exit signs" /></td>
</tr>
<tr>
<td>BLR/M/W510RM (W) MINI</td>
<td><img src="image" alt="Running-man graphical exit signs" /></td>
</tr>
</tbody>
</table>

KEY FEATURES

- using surface mount technology LED
- high durability & reliability
- low heat
- low maintenance
- low power consumption
- no “black ends”
- snap-on T2 SMT LED lamp for easy replacement

Specifications subject to changes without prior notice
Fully-recessed low level CCFL emergency exit light

**TECHNICAL DATA**

- **Mode of operation**: Maintained
- **Lamp**: 1 x 2W Cold Cathode Fluorescent Lamp (CCFL)
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 3VA
- **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**: SS563 : Part 1 & 2, SS 263 : Part 2
- **Warranty**: 1 year

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Single Sided</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLR/M/1020</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLR/M/1020 (R)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLR/M/1020 (L)</td>
<td>EXIT</td>
</tr>
<tr>
<td>BLR/M/102RM</td>
<td></td>
</tr>
<tr>
<td>BLR/M/102RM (E)</td>
<td></td>
</tr>
<tr>
<td>BLR/M/102RM (W)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimension: mm NTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>371</td>
</tr>
<tr>
<td>354</td>
</tr>
<tr>
<td>190</td>
</tr>
<tr>
<td>211</td>
</tr>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

**KEY FEATURES**

- high brightness output
- highest lumen/watt efficiency
- low heat
- low power consumption
- low maintenance
- long lifespan
- snap-on T2 lamp for easy replacement

Specifications subject to changes without prior notice
EMERGENCY POWER PACKS

CONVERSION KIT

Emergency kit for fluorescent lamp fitting.

TECHNICAL DATA

Mode of operation: Maintained / combined maintained
Lamp: 4-pin fluorescent, PL/PLC and 2D lamps
Rated duration: 2 hr and others
Mains supply: 230 Volts, 50/60Hz
Power consumption: 2VA
Battery: High temp nickel cadmium
Charge monitor: Green LED Ø5mm
Test facility: Push-off test switch
Safety feature: Low volt cut-off preventing battery overdischarge
Fitting construction: Polycarbonate housing
Weight (module only): 0.15kg (gross)
Compliance: IEC 61347-2-7; IEC 61347-1
Warranty: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Fluorescent Lamp</th>
<th>For use with</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEM/M/118 MINI</td>
<td>18W, PL10-PLC26W 4-pin</td>
<td>Conventional ballast</td>
</tr>
<tr>
<td>MEM/M/136 MINI</td>
<td>36W, PLC26W 4-pin</td>
<td>Conventional ballast</td>
</tr>
<tr>
<td>MEM/M/158 MINI</td>
<td>58W, PLL32-42W 4-pin</td>
<td>Conventional ballast</td>
</tr>
<tr>
<td>MEM/M/114E MINI</td>
<td>14W, 18W, PL10-PLC26W 4-pin</td>
<td>Electronic ballast</td>
</tr>
<tr>
<td>MEM/M/128E MINI</td>
<td>28W, 36W, PLC26W 4-pin</td>
<td>Electronic ballast</td>
</tr>
<tr>
<td>MEM/M/154E MINI</td>
<td>35W, 49W, 54W</td>
<td>Electronic ballast</td>
</tr>
<tr>
<td>MEM/M/158E MINI</td>
<td>58W, PLL32-42W 4-pin</td>
<td>Electronic ballast</td>
</tr>
</tbody>
</table>

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

Specifications subject to changes without prior notice
CONVERSION KIT

Emergency kit for LED lamp fitting

** TECHNICAL DATA **

- **Mode of operation**: Maintained
- **Lamp**: LED Lamp
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: < 3VA
- **Battery**: High temp nickel cadmium
- **Charge monitor**: Green LED Ø5mm
- **Test facility**: Push-off test switch
- **Safety feature**: Low volt cut-off preventing battery overdischarge
- **Fitting construction**: Electro galvanised steel with epoxy powder coating
- **Weight (module only)**: 0.15kg (gross)
- **Compliance**: IEC 61347-2-7, IEC 61347-1
- **Warranty**: 1 year

** ORDERING GUIDE **

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp (length)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEM/M/LED MINI</td>
<td>2ft to 5ft T5/T8 LED Lamp</td>
</tr>
</tbody>
</table>

** Please ensure that your LED Driver is suitable for Emergency installation. **

Dimension: mm NTS

LED Lamp

Type and batch tested with PSB PLS-LISTED LABEL
EMERGENCY POWER PACKS

POWER PACK

Emergency power pack for 4-pin PL/PLC and 2D lamp fitting

**TECHNICAL DATA**

- **Mode of operation**: Maintained / combined maintained
- **Lamp**: 4-pin PL/PLC and 2D lamps
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 2VA
- **Battery**: High temp nickel cadmium
- **Charge monitor**: Green LED Ø5mm
- **Test facility**: Push-off test switch
- **Safety feature**: Low volt cut-off preventing battery overdischarge
- **Fitting construction**: Electro galvanised steel with epoxy powder coating
- **Cable entry**: Ø20mm K/O hole
- **Weight**: 1.3kg (gross)
- **Compliance**: IEC 61347-2-7, IEC 61347-1
- **Warranty**: 1 year

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>For use with</th>
<th>Remote box size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPP/M/PLC13-18 NC</td>
<td>PLC10 - 18W</td>
<td>Conventional ballast</td>
<td>UFO/MPP</td>
</tr>
<tr>
<td>MPP/M/PLC26 NC</td>
<td>PLC26W</td>
<td></td>
<td>UFO/MPP</td>
</tr>
<tr>
<td>MPP/M/PLC58 NC</td>
<td>PLT32 - 42W</td>
<td></td>
<td>EXN/MPP</td>
</tr>
<tr>
<td>MPP/M/PLC13-18E NC</td>
<td>PLC10 - 18W</td>
<td>Electronic ballast</td>
<td>UFO/MPP</td>
</tr>
<tr>
<td>MPP/M/PLC26E NC</td>
<td>PLC26W</td>
<td></td>
<td>UFO/MPP</td>
</tr>
<tr>
<td>MPP/M/PLC58E NC</td>
<td>PLT32 - 42W</td>
<td></td>
<td>EXN/MPP</td>
</tr>
</tbody>
</table>

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

Specifications subject to changes without prior notice
EMERGENCY POWER PACKS

POWER PACK

Emergency power pack for LED downlight

TECHNICAL DATA

Mode of operation : Maintained
Lamp : LED Lamp
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : < 3VA
Battery : High temp nickel cadmium
Charge monitor : Green LED Ø5mm
Test facility : Push-off test switch
Safety feature : Low volt cut-off preventing battery overdischarge
Fitting construction : Electro galvanised steel with epoxy powder coating
Cable entry : Ø20mm K/O hole
Weight : 1.3kg (gross)
Compliance : IEC 61347-2-7, IEC 61347-1
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPP/M/LED</td>
<td>LED Downlight</td>
</tr>
</tbody>
</table>

** Please ensure that your LED Driver is suitable for Emergency installation.
EMERGENCY POWER PACKS

BRITELITE

Emergency power pack for 12 volt lamp fitting

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>12V 50W halogen lamp (max) / 12V LED lamp</td>
</tr>
<tr>
<td>Rated duration</td>
<td>refer to Ordering Guide</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>4VA Non-maintained mode</td>
</tr>
<tr>
<td>Battery</td>
<td>High temp nickel cadmium</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Push-off test switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>1.6kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>IEC 61347-2-7, IEC 61347-1</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**ORDERING GUIDE**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Duration (hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXN/M/150</td>
<td>12V 20W Halogen</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>12V 50W Halogen</td>
<td>&gt; 1</td>
</tr>
<tr>
<td></td>
<td>12V LED lamp</td>
<td>2</td>
</tr>
</tbody>
</table>

Note:
For maintained mode, lamp, lamp fixture and 230V/12V main step-down transformer are not included. Step-down transformer can be installed into remote box or onto the lamp fixture at site.
EMERGENCY POWER PACKS

STARLITE

LED Auxiliary emergency power pack

TECHNICAL DATA

- Mode of operation: Non-Maintained
- Lamp: 1 x 3W High Power LED
- Rated duration: 2 hr and others
- Mains supply: 230 Volts, 50/60Hz
- Power consumption: 2VA
- Battery: High temp nickel cadmium
- Charge monitor: Green LED Ø5mm
- Test facility: Push-off test switch
- Safety feature: Low volt cut-off preventing battery overdischarge
- Fitting construction: Electro galvanised steel with epoxy powder coating
- Weight (module only): 0.15kg (gross)
- Compliance: IEC 61347-2-7, IEC 61347-1
- Warranty: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFO/NM/L103</td>
<td>1 x 3W LED</td>
<td>Nickel cadmium</td>
</tr>
</tbody>
</table>

KEY FEATURES

- high brightness output
- high lumen/watt efficiency
- low power consumption
- low maintenance
- long lifespan

Specifications subject to changes without prior notice

MAXSPID ENTERPRISE PTE LTD
19 Kaki Bukit Place Singapore 416197
T +65 6748 1838 F +65 6749 1838
E msp@maxspid.com.sg W www.maxspid.com
**EMERGENCY LIGHTS**

**STARLITE**

LED Non-maintained recess mount emergency light

**TECHNICAL DATA**

- **Mode of operation**: Non-Maintained
- **Lamp**: 1W High Power LED
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 2VA
- **Battery**: High temp nickel cadmium or Nickel-metal hydride
- **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 (accessible and inaccessible ceiling)
- **Weight**: 0.4kg (gross)
- **Compliance**: SS563 : Part 1 & 2, SS 263 : Part 2
- **Warranty**: 1 year

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFO/NM/L101 NC</td>
<td>1W LED</td>
<td>Nickel cadmium or Nickel-metal hydride</td>
</tr>
<tr>
<td>UFO/NM/L101 NC</td>
<td>1W LED</td>
<td>Nickel cadmium or Nickel-metal hydride</td>
</tr>
</tbody>
</table>

**KEY FEATURES**

- high brightness output
- high lumen/watt efficiency
- low power consumption
- low maintenance
- long lifespan

Specifications subject to changes without prior notice
EMERGENCY LIGHTS

STARLITE

LED Non-maintained recess mount high lumen output emergency light

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Mode of operation</th>
<th>Non-Maintained</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lamp</td>
<td>10W High Power LED Module</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>5VA</td>
</tr>
<tr>
<td>Battery</td>
<td>High temp nickel cadmium</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Micro switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Mounting</td>
<td>Recess</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>3.0kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFOR/NM/L303 NC</td>
<td>10W LED Module</td>
<td>Nickel cadmium</td>
</tr>
</tbody>
</table>

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
EMERGENCY LIGHTS

STARLITE

Non-maintained recess mount emergency light

TECHNICAL DATA

- **Mode of operation**: Non-Maintained
- **Lamp**: 6V 10W miniature tungsten halogen lamp
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 3VA
- **Battery**: Maintenance-free sealed lead calcium battery
- **Charge monitor**: Green LED Ø5mm
- **Test facility**: Push-off test 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**: 1.7kg (gross)
- **Compliance**: CP19, SS263 : Part 2, IEC 60598-2-22
- **Warranty**: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFO/NM/110</td>
<td>1 x 10W Halogen</td>
<td>Sealed lead calcium</td>
</tr>
<tr>
<td>UFO/NM/120</td>
<td>1 x 20W Halogen</td>
<td>Sealed lead calcium</td>
</tr>
</tbody>
</table>

Note:
UFO/NM/120 is applicable for 6V 20W halogen lamp (remote box 440 X 82 X 60).
SLA battery is highly recommended in non-maintained mode for low replacement cost.

All above specifications are available in UFOR version.

Specifications subject to changes without prior notice

MAXSPID ENTERPRISE PTE LTD
19 Kaki Bukit Place Singapore 416197
T +65 6748 1838 F +65 6749 1838
E mail@maxspid.com.sg W www.maxspid.com
EMERGENCY LIGHTS

CAPSULE

LED Non-maintained surface mount emergency light

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Non-Maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>1W High Power LED</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>2VA</td>
</tr>
<tr>
<td>Battery</td>
<td>High temp nickel cadmium or Nickel-metal hydride</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Micro switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Mounting</td>
<td>Ceiling</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>1.2kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFOS/NM/L101 NC</td>
<td>1W LED</td>
<td>Nickel cadmium or Nickel metal hydride</td>
</tr>
</tbody>
</table>

KEY FEATURES

- high brightness output
- high lumen/watt efficiency
- low power consumption
- low maintenance
- long lifespan

Specifications subject to changes without prior notice
EMERGENCY LIGHTS

CAPSULE

LED Non-maintained surface mount high lumen output emergency light

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Non-Maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>10W High Power LED Module</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>5VA</td>
</tr>
<tr>
<td>Battery</td>
<td>High temp nickel cadmium</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Micro switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Mounting</td>
<td>Ceiling</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>2.5kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFOS/NM/L303 NC</td>
<td>10W LED Module</td>
<td>Nickel cadmium</td>
</tr>
</tbody>
</table>

**KEY FEATURES**

- high brightness output
- high lumen/watt efficiency
- low power consumption
- low maintenance
- long lifespan

Specifications subject to changes without prior notice
EMERGENCY LIGHTS

TWIN LAMP

LED Non-maintained emergency twin light

TECHNICAL DATA

Mode of operation : Non-Maintained
Lamp : 2 x 3W High Power LED
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 2VA
Battery : Maintenance-free sealed lead calcium battery
           (High temp nickel cadmium available)
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 : 2.7kg (gross)
Compliance : SS563 : Part 1 & 2, SS 263 : Part 2
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTL/NM/L203</td>
<td>2 x 3W LED</td>
<td>Sealed lead calcium</td>
</tr>
<tr>
<td>MTL/NM/L203 NC</td>
<td>2 x 3W LED</td>
<td>Nickel cadmium</td>
</tr>
</tbody>
</table>

Note:
Can be upgraded to IP54 for all weather condition.
MTL/NM/L203 WP and MTL/NM/L203 NC WP for all weather condition.

KEY FEATURES

> high brightness output
> high lumen/watt efficiency
> low power consumption
> low maintenance
> long lifespan
EMERGENCY LIGHTS

TWIN LAMP

Non-maintained emergency twin light

TECHNICAL DATA

Mode of operation : Non-Maintained
Lamp : 2 x 6V 10W Halogen lamp
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 4VA
Battery : Maintenance-free sealed lead calcium battery
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 : 3.5kg (gross)
Compliance : CP19, SS263 : Part 2, IEC  60598-2-22
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTL/NM/210-TH</td>
<td>2 x 10W Halogen</td>
<td>Sealed lead calcium</td>
</tr>
<tr>
<td>MTL/NM/220-TH</td>
<td>2 x 20W Halogen</td>
<td>Sealed lead calcium</td>
</tr>
<tr>
<td>MTL/NM/210-TH WP</td>
<td>2 x 10W Halogen</td>
<td>Sealed lead calcium</td>
</tr>
</tbody>
</table>

Note:
Can be upgraded to IP54 for all weather condition.
MTL/NM/210-TH WP for all weather condition.

Type and batch tested with PSB PLS-LISTED LABEL

Surface Mount
Wide Angle
Emergency Luminaire

Specifications subject to changes without prior notice
EMERGENCY LIGHTS

MINNIE

LED Economical non-maintained emergency twin light

**TECHNICAL DATA**

- Mode of operation: Non-Maintained
- Lamp: 2 x 1W High Power LED
- Rated duration: 2 hr and others
- Mains supply: 230 Volts, 50/60Hz
- Power consumption: 2VA
- Battery: High temp nickel cadmium
- Charge monitor: Green LED Ø5mm
- Test facility: Miniature test switch
- Safety feature: Low volt cut-off preventing battery overdischarge
- Housing: 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: 1.4kg (gross)
- Warranty: 1 year

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR203L NC</td>
<td>2 x 1W LED</td>
<td>Nickel cadmium</td>
</tr>
</tbody>
</table>

**KEY FEATURES**

- high brightness output
- high lumen/watt efficiency
- low power consumption
- low maintenance
- long lifespan

Specifications subject to changes without prior notice
EMERGENCY LIGHTS

PROVIDER

LED Aesthetical non-maintained emergency twin light

TECHNICAL DATA

Mode of operation : Non-maintained
Lamp : 2 x 1W High Power LED
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 2VA
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 and fast installations. Easily removable mounting and knockout holes are provided (fitting can be positioned vertically or horizontally)
Cable entry : Ø20mm K/O hole
Weight : 1.3kg (gross)
Compliance : SS563 : Part 1 & 2, SS 263 : Part 2
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP203L NC</td>
<td>2 x 1W LED</td>
<td>Nickel cadmium</td>
</tr>
</tbody>
</table>

KEY FEATURES

> high brightness output
> high lumen/watt efficiency
> low power consumption
> low maintenance
> long lifespan

Specifications subject to changes without prior notice
EMERGENCY LIGHTS

CLASSIC

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

TECHNICAL DATA

- Mode of operation: Non-Maintained
- Lamp: Maxspid 1W T2 SMT LED Lamp
- Rated duration: 2 hr and others
- Mains supply: 230 Volts, 50/60Hz
- Power consumption: 2VA
- Battery: Nickel-metal hydride
- Charge monitor: Green LED Ø5mm
- Test facility: Push-off test switch
- Safety feature: Low volt cut-off preventing battery overdischarge
- Housing & Cover: 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)
- Warranty: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Battery type</th>
</tr>
</thead>
<tbody>
<tr>
<td>JW/NM/W5100</td>
<td>1W T2 LED SMT</td>
<td>Nickel-metal hydride</td>
</tr>
</tbody>
</table>

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

KEY FEATURES

- using surface mount technology LED
- high durability & reliability
- low heat
- low maintenance
- low power consumption
- no "black ends"
- snap-on T2 SMT LED lamp for easy replacement
**EMERGENCY LIGHTS**

**CLASSIC**

1 x 8W non-maintained emergency light

**TECHNICAL DATA**

- Mode of operation: Non-maintained and others
- Lamp: 1 x 8W fluorescent lamp
- Rated duration: 3 hr (1 x 8W) or 2 hr (2 x 8W)
- Mains supply: 230 Volts, 50/60Hz
- Power consumption: 3VA
- Battery: High temp nickel cadmium
- Charge monitor: Green LED Ø5mm
- Test facility: Push-off test switch
- Safety feature: Low volt cut-off preventing battery overdischarge
- Housing & Cover: 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: 1.2kg (gross)
- Compliance: CP19, SS263 : Part 2, IEC 60598-2-22
- Warranty: 1 year

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Duration (hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JW/NM/108</td>
<td>1 x 8W Fluorescent</td>
<td>3</td>
</tr>
<tr>
<td>JW/NM/208</td>
<td>2 x 8W Fluorescent</td>
<td>2</td>
</tr>
</tbody>
</table>

Note:
Optional silkscreen printed legend on cover to convert into an emergency exit light.
**EMERGENCY LIGHTS**

**STAIRWAY**

Functional and decorative emergency light

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Combined non-maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>2 x PLC 18W energy-saving lamp (normal mode of operation)</td>
</tr>
<tr>
<td></td>
<td>1 x 3W High Power LED (emergency mode)</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>40VA</td>
</tr>
<tr>
<td>Battery</td>
<td>High temp nickel cadmium</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Push-off test switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Die cast aluminium housing and finished with epoxy polyester paint, weatherproof and durable silicon sealed rubber gasket</td>
</tr>
<tr>
<td>Diffuser</td>
<td>UV stabilized polycarbonate diffuser</td>
</tr>
<tr>
<td>Colour</td>
<td>White</td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall or ceiling</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>3.4kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>SR/CNM/L103</td>
<td>2 x PLC 18W</td>
</tr>
<tr>
<td>SR/CM/218</td>
<td>2 x PLC 18W</td>
</tr>
<tr>
<td>SR/218 PLC</td>
<td>2 x PLC 18W</td>
</tr>
</tbody>
</table>

Note: Emergency fixtures are not included for SR/218 PLC.

**KEY FEATURES**

- high brightness output
- high lumen/watt efficiency
- low power consumption
- low maintenance
- long lifespan
EMERGENCY LIGHTS

STAIRWAY

Functional and decorative emergency light

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Combined non-maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>2 x PLC 18W energy-saving lamp</td>
</tr>
<tr>
<td>(normal mode of operation)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x 3W High Power LED (emergency mode)</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>40VA</td>
</tr>
<tr>
<td>Battery</td>
<td>High temp nickel cadmium</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Push-off test switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Housing &amp; Cover</td>
<td>Injection moulded fire retardant high impact polycarbonate base and clear prismatic diffuser</td>
</tr>
<tr>
<td>Mounting</td>
<td>Wall or ceiling</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>2.7kg (gross)</td>
</tr>
<tr>
<td>Compliance</td>
<td>SS563 : Part 1 &amp; 2, SS 263 : Part 2</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW/CNM/L103</td>
<td>2 x PLC18W</td>
</tr>
<tr>
<td>SW/CM/218</td>
<td>2 x PLC18W</td>
</tr>
<tr>
<td>SW/218 PLC</td>
<td>2 x PLC18W</td>
</tr>
</tbody>
</table>

Note:
Emergency fixtures are not included for SW/218 PLC.

KEY FEATURES

> high brightness output
> high lumen/watt efficiency
> low power consumption
> low maintenance
> long lifespan
EMERGENCY LIGHTS

STAIRWAY

Functional and decorative emergency light

TECHNICAL DATA

Mode of operation : Combined non-maintained
Lamp : 2 x PLC 18W energy-saving lamp (normal mode of operation)
: 1 x 3W High Power LED (emergency mode)
Rated duration : 2 hr and others
Mains supply : 230 Volts, 50/60Hz
Power consumption : 40VA
Battery : High temp nickel cadmium
Charge monitor : Green LED Ø5mm
Test facility : Push-off test switch
Safety feature : Low volt cut-off preventing battery overdischarge
Fitting construction : Electro galvanised steel with epoxy powder coating
Diffuser : Mirror louvre
Mounting : Wall or ceiling
Cable entry : Ø20mm K/O hole
Weight : 2.7kg (gross)
Compliance : SS563 : Part 1 & 2, SS 263 : Part 2
Warranty : 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC/CNM/L103</td>
<td>2 x PLC18W</td>
</tr>
<tr>
<td>SC/CM/218</td>
<td>2 x PLC18W</td>
</tr>
<tr>
<td>SC/218 PLC</td>
<td>2 x PLC18W</td>
</tr>
</tbody>
</table>

Note:
Emergency fixtures are not included for SC/218 PLC.

KEY FEATURES

> high brightness output
> high lumen/watt efficiency
> low power consumption
> low maintenance
> long lifespan

Specifications subject to changes without prior notice
BOXER

Box type single sided slave unit

TECHNICAL DATA

Mode of operation : Slave
Lamp : Maxspid 1W T2 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
          (Red 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)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS/W5100</td>
<td>1W T2 SMT LED</td>
</tr>
</tbody>
</table>

OTHER LEGENDS

LECTURE
IN PROGRESS
FIRING
IN PROGRESS
LASER IN USE
IN PROGRESS
IN USE
IN OPERATION
X-RAY
IN PROGRESS
ON AIR
DO NOT ENTER
DO NOT DISTURB
TOILET

** 2x8W Fluorescent type available upon request

Specifications subject to changes without prior notice
Surface mount single sided slave unit

**TECHNICAL DATA**

- **Mode of operation**: Slave
- **Lamp**: Maxspid 1W T2 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)*

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES/W5100</td>
<td>1W T2 SMT LED</td>
</tr>
</tbody>
</table>

**OTHER LEGENDS**
NON PSB PLS-LISTED PRODUCTS

ELEGANCE

Indoor, outdoor, corrosion resistant weatherproof emergency light

**TECHNICAL DATA**

- **Mode of operation**: Non-maintained and others
- **Lamp**: 2 x 8W fluorescent lamp
- **Rated duration**: 2 hr and others
- **Mains supply**: 230 Volts, 50/60Hz
- **Power consumption**: 3VA
- **Battery**: High temp nickel cadmium
- **Charge monitor**: Green LED Ø5mm
- **Test facility**: Push-off test switch
- **Safety feature**: Low volt cut-off preventing battery overdischarge
- **Housing & Cover**: Injection moulded fire retardant high impact polycarbonate diffuser and base
- **Mounting**: Wall, ceiling or semi-recessed
- **Cable entry**: Ø20mm K/O hole
- **Weight**: 2.0kg (gross)
- **Compliance**: CP19, SS263 : Part 2, IEC 605982-22
- **Warranty**: 1 year

**ORDERING GUIDE**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>MC/NM/108</td>
<td>1 x 8W Fluorescent</td>
</tr>
<tr>
<td>MC/NM/208</td>
<td>2 x 8W Fluorescent</td>
</tr>
<tr>
<td>MC/NM/110</td>
<td>1 x 10W Fluorescent</td>
</tr>
<tr>
<td>MC/NM/PL18</td>
<td>1 x PLL18W Fluorescent</td>
</tr>
<tr>
<td>MC/NM/PL24</td>
<td>1 x PLL24W Fluorescent</td>
</tr>
</tbody>
</table>

**Note:**
All above specifications are available in other mode of operations.
**POWER PACK**

Emergency power pack for 2-pin PL/PLC and 2D lamp fitting

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
<td>Maintained / combined maintained</td>
</tr>
<tr>
<td>Lamp</td>
<td>2-pin PL/PLC and 2D lamps</td>
</tr>
<tr>
<td>Rated duration</td>
<td>2 hr and others</td>
</tr>
<tr>
<td>Mains supply</td>
<td>230 Volts, 50/60Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>3VA</td>
</tr>
<tr>
<td>Battery</td>
<td>Maintenance-free sealed lead calcium battery (high temp nickel cadmium available)</td>
</tr>
<tr>
<td>Charge monitor</td>
<td>Green LED Ø5mm</td>
</tr>
<tr>
<td>Test facility</td>
<td>Push-off test switch</td>
</tr>
<tr>
<td>Safety feature</td>
<td>Low volt cut-off preventing battery overdischarge</td>
</tr>
<tr>
<td>Fitting construction</td>
<td>Electro galvanised steel with epoxy powder coating</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Ø20mm K/O hole</td>
</tr>
<tr>
<td>Weight</td>
<td>2.1kg (gross)</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 year</td>
</tr>
</tbody>
</table>

**ORDERING GUIDE**

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
<th>Remote box size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPP/M/PL7-PLC26</td>
<td>PL7 - PLC26W</td>
<td>EXN/MPP</td>
</tr>
<tr>
<td>MPP/M/PL7-PLC13 NC</td>
<td>PL7 - PLC13W</td>
<td>UFO/MPP</td>
</tr>
<tr>
<td>MPP/M/PLC18-26 NC</td>
<td>PLC18 - 26W</td>
<td>EXN/MPP</td>
</tr>
</tbody>
</table>

Specifications subject to changes without prior notice
CONVERSION KIT

Emergency kit for 2-pin PL/PLC and 2D lamp fitting

TECHNICAL DATA

Mode of operation: Maintained / combined maintained
Lamp: 2-pin PL/PLC and 2D lamps
Rated duration: 2 hr and others
Mains supply: 230 Volts, 50/60Hz
Power consumption: 3VA
Battery: High temp nickel cadmium
Charge monitor: Green LED Ø5mm
Test facility: Push-off test switch
Safety feature: Low volt cut-off preventing battery overdischarge
Fitting construction: Electro galvanised steel with epoxy powder coating
Cable entry: Ø20mm K/O hole
Weight (module only): 0.4kg (gross)
Warranty: 1 year

ORDERING GUIDE

(Please check with Sales Dept if customisation is required)

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL/M/PL7-PLC13 NC</td>
<td>PL7 - PLC13W</td>
</tr>
<tr>
<td>PL/M/PLC18-26 NC</td>
<td>PLC18 - 26W</td>
</tr>
</tbody>
</table>

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

Specifications subject to changes without prior notice
**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**

<table>
<thead>
<tr>
<th>Mode</th>
<th>NM</th>
<th>M</th>
<th>CNM</th>
<th>CM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal Supply</td>
<td>✗</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Power Failure</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Lamp illuminated</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Lamp not illuminated</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Normal Lamp on mains supply</td>
<td>✗</td>
<td>✓</td>
<td>✓</td>
<td>✗</td>
</tr>
</tbody>
</table>
>> 1. Typical wiring layout for non-maintained mode:
L (un-sw) (Unswitched Supply) and N as marked.

1.01a) For 1x4-pin FL Lamp

1.01b) For 1x4-pin FL Lamp

1.02) For 2x4-pin FL Lamps

1.03) For T2 SMT LED Lamp

1.04) For 1x6V 10W, 1x6V 20W Halogen Lamp

1.05) For 2x6V 10W Halogen Lamp

1.06) For 1x6V 5W, 1X6V 10W or 1X6V 20W Halogen Lamp

1.07) For 2x12V 20W Halogen Lamp
**OPERATION AND WIRING INFORMATION**

1.08a) For 1W LED Lamp

1.08b) For 1W LED Lamp

1.08c) For 1W or 3W LED Lamp

1.09) For 2x3W LED Lamp

1.10a) For 2x1W LED Lamp

1.10b) For 2x1W LED Lamp

1.11) For 10W LED Module
TECHNICAL INFORMATION

OPERATION AND WIRING INFORMATION

>> 2. 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.

2.01) For 1x12V 20W to 50W (max) Halogen Lamp

2.02a) For 1x4-pin FL Lamp

2.02b) For 1x4-pin FL Lamp

2.03a) For 1x4-pin PL/PLC Lamp

2.03b) For 1x4-pin PL/PLC Lamp

2.04b) For 1x2-pin PL/PLC Lamp
**TECHNICAL INFORMATION**

**OPERATION AND WIRING INFORMATION**

2.04) For T2 SMT LED Lamp

![T2 SMT LED Lamp Diagram]

2.05) For 2W CCFL Lamp

![2W CCFL Lamp Diagram]

>> 3. 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.

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

![1x4-pin FL Lamp Diagram]

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

![1x4-pin PL/PLC Lamp Diagram]

*Different wiring apply for different brand of electronic ballast

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

![1x4-pin FL Lamp Diagram]

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

![1x4-pin PL/PLC Lamp Diagram]

*Different wiring apply for different brand of electronic ballast
**OPERATION AND WIRING INFORMATION**

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

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

*Different wiring apply for different brand of electronic ballast

**>> 4. 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.

**>> 5. 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.

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

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

5.03) Combined Maintained for 2x2-pin PL7 to 9W Lamp in series
6. Typical wiring layout for combined maintained mode with electronic ballast:

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

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

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

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

*Different wiring apply for different brand of electronic ballast