**Lighting at landing doors**

**Retrofitting**
In order to guarantee the required lighting power, in the medium term many lifts have to be retrofitted with lighting at the entrances, according to EN81-80 Nr.29 table B2. The lighting at landing doors consists of a LED lamp with 6 diodes, with an acrylic glass front cover and a stainless steel border. The eye is screwed to one side of the door frame, 25cm above the floor, and is suitable for door widths up to 1.0m. In case of larger widths up to 2.4m, lamps have to be installed on both sides of the door frame. The build-up height of the compact light eye adds up to only 16mm.

**New installations**
For newly built lifts the lighting is also a simple possibility to illuminate the landing entrances conforming to standards and cost-effective at the same time. The build-up height of the the built-in light eye adds up to only 3.5mm onto the frame and 15mm behind the frame.

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**Extract from the norm (EN 81-1/2  7.6.1)**

“The natural or artificial lighting of the landings in the vicinity of landing doors shall be at least 50 lux at floor level, such that a user can see ahead when he is opening the landing door to enter the lift, even if the car light has failed”

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*Only 0.5W!*
50 lux lighting at landing door frames LED-0.5W

Technical advice

In general
The supply voltage is 12V. The power supply unit is delivered in a housing for surface mounting together with a time limit relay. Due to the universal triggering of the time limit relay the lighting is switched off automatically, when the lift is not in use. When the door latch is opened, the light is switched on.

The simple and fast mounting with nylon/brass thread inserts provides for a firm and durable connection with the door frame. A detailed mounting instruction is included in delivery. The fully pluggable wiring is effected in the lift shaft.

The power of one light eye is only 0.5W. The illuminant can be changed easily and quickly and has a high durability.

A set of drills for the retrofitting at stainless steel frames can be ordered additionally.
50 lux lighting at landing door frames LED-0.5W

Circuit diagram power supply unit with time limit relay for switching off when not in use

- **SZB-LED-CB**
- Universal tension time limit relay 24V - 240VAC / 24V - 48VDC

**Connection**
- LED light eyes max. 20 pieces

**Supply**
- Tap e.g. parallel to the shaft lighting (parallel to the cabin lighting not permissible)

**Information tap of the lift control landing door position**
- (latch/door contact closed or open)

Drilling template

- Drilling template for the light eye „surface mounted variant“
- Drilling template for the light eye „built-in variant“
50 lux lighting at landing door frames LED-0.5W

**Basic package**

<table>
<thead>
<tr>
<th>Art.no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6120</td>
<td>SZB-LED-GP-NB Built-in variant (new installations)</td>
</tr>
<tr>
<td>6121</td>
<td>SZB-LED-GP-RF Surface-mounted variant (retrofitting)</td>
</tr>
</tbody>
</table>

**Scope of delivery:**
- Light eye incl. illuminant
- Line for the shaft 3m with triple socket
- Line for the level 2m
- Line for the door 40cm
- Mounting material
- Mounting instruction

The basic package is suitable for the installation of one landing with a maximum level distance of 3m. Max. 20 lamps at one supply line.

**Voltage supply with supply line for the shaft**

<table>
<thead>
<tr>
<th>Art.no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6998</td>
<td>SZB-LED-NT Power supply unit 12V loose</td>
</tr>
<tr>
<td>6164</td>
<td>SZB-LED-B12 Power supply unit 12V in housing</td>
</tr>
<tr>
<td>6122</td>
<td>SZB-LED-CB Power supply unit 12V + time relay in housing</td>
</tr>
</tbody>
</table>

**Advice**
If power supply units from the client are used, please note: U = 12V ± 0.5 - 0V
I_{\text{max}} = 2.1A

**Single parts and accessories**

<table>
<thead>
<tr>
<th>Art.no.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6120</td>
<td>SZB-LED-10m Line for the shaft 10m with socket</td>
</tr>
<tr>
<td>6121</td>
<td>SZB-LED-3m Line for the shaft 3m with triple socket</td>
</tr>
<tr>
<td>6122</td>
<td>SZB-LED-2m Line for the level 2m</td>
</tr>
<tr>
<td>6123</td>
<td>SZB-LED-0.4m Line for the door 40cm</td>
</tr>
<tr>
<td>6124</td>
<td>SZB-LED-0.5W Illuminant 0.5W</td>
</tr>
<tr>
<td>6125</td>
<td>SZB-LED-BS Set of drills</td>
</tr>
</tbody>
</table>

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