Every minute that the patio user can stay outside longer counts! Which is why weinor has developed intelligent accessories for awnings, patio roofs and Glasoasen®. **LED lighting** creates an attractive atmosphere with its warm glow while allowing the patio to be used for much longer. Based on modern technology, the innovative LEDs can save a great deal of energy. The weinor **Tempura** and **Tempura Quadra heating systems** can be mounted virtually anywhere, are easy to retrofit and generate pleasant warmth.
weinor LED light bars add that special touch to any patio: their warm glow creates attractive lighting while allowing the patio to be used for much longer. Based on modern LED technology, the innovative light bars can save a great deal of energy. What is more, the light-emitting diodes have a long lifetime of some 30,000 hours, also helping to save resources. weinor LED light bars can be operated and even dimmed using BiConnect radio technology.
# LED | LED Design | 3Spot | LED RGB Strip light bars

<table>
<thead>
<tr>
<th>LED light bar versions</th>
<th>LED light bar</th>
<th>LED Design light bar</th>
<th>3Spot light bar</th>
<th>LED RGB Strip</th>
</tr>
</thead>
</table>

## Technology

<table>
<thead>
<tr>
<th></th>
<th>LED light bar</th>
<th>LED Design light bar</th>
<th>3Spot light bar</th>
<th>LED RGB Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. width</td>
<td>650 cm</td>
<td>650 cm</td>
<td>650 cm</td>
<td>500 cm</td>
</tr>
<tr>
<td>Max. no. of spotlights</td>
<td>11</td>
<td>11</td>
<td>3</td>
<td>60 LED/m</td>
</tr>
<tr>
<td>Bar size (w x h)</td>
<td>75 x 89 mm</td>
<td>80 x 51 mm</td>
<td>80 x 51 mm</td>
<td>31 x 65 mm</td>
</tr>
<tr>
<td>Power consumption</td>
<td>2.6 watts</td>
<td>2.6 watts</td>
<td>2.6 watts</td>
<td>3.9 watts/m</td>
</tr>
<tr>
<td>Light output</td>
<td>187 lumen/spotlight</td>
<td>187 lumen/spotlight</td>
<td>187 lumen/spotlight</td>
<td>approx. 78 lumen/m</td>
</tr>
<tr>
<td>Light colour</td>
<td>white</td>
<td>white</td>
<td>white</td>
<td>48 colours, 3 white</td>
</tr>
<tr>
<td>IP code</td>
<td>IP 44</td>
<td>IP 44</td>
<td>IP 44</td>
<td>IP 33</td>
</tr>
</tbody>
</table>

## Design

<table>
<thead>
<tr>
<th></th>
<th>LED light bar</th>
<th>LED Design light bar</th>
<th>3Spot light bar</th>
<th>LED RGB Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>47 standard frame colours</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Over 150 other RAL colours</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>9 trend colours</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Other structural colours</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

## Controls

<table>
<thead>
<tr>
<th></th>
<th>LED light bar</th>
<th>LED Design light bar</th>
<th>3Spot light bar</th>
<th>LED RGB Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>BiConnect radio control (ininitely dimmable)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Somfy RTS/io (not dimmable)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
<tr>
<td>Hard wired switch (not dimmable)</td>
<td>o</td>
<td>o</td>
<td>o</td>
<td>o</td>
</tr>
</tbody>
</table>

## Accessories/attachment

<table>
<thead>
<tr>
<th></th>
<th>LED light bar</th>
<th>LED Design light bar</th>
<th>3Spot light bar</th>
<th>LED RGB Strip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixing positions standard:</td>
<td>wall mounting</td>
<td>roof mounting or Terrazza roof support mounting</td>
<td>Terrazza roof support mounting</td>
<td>wall mounting</td>
</tr>
<tr>
<td>Fixing positions optional:</td>
<td>additional roof mounting set with angle bracket</td>
<td>set of adjustable brackets for wall mounting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabling accessories standard:</td>
<td>connection lead 3.2 m to connect 2 light bars</td>
<td>connection lead 2.5 m to connect 2 light bars or 2 x 2.5 m for 3 light bars</td>
<td>connection lead 2.5 m to connect 2 light bars or 2 x 2.5 m for 3 light bars</td>
<td>10 m connecting lead for control</td>
</tr>
<tr>
<td>Cabling accessories optional:</td>
<td>2.5 m cable track with adhesive tape</td>
<td>2.5 m cable track with adhesive tape</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion sensors</td>
<td>o</td>
<td>The LED light bars can be optionally combined with a motion sensor, for example from Busch-Jäger or Gira (not possible with radio control)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **standard**
- **optional**
- **unavailable**
LED | LED Design | 3Spot | LED RGB Strip **light bars**

### Energy efficiency

**LED light bars – 30,000 hours of lighting with minimal energy consumption**

With their timelessly lovely design, the weinor light bars match more than just weinor products:
- Made in Germany: developed by weinor, guaranteeing quality and spare parts availability
- Individual LED lights can easily be replaced
- Operating life of 30,000 hours
- Energy-saving: 85% lower energy consumption than halogen lighting
- Infinitely dimmable when used with BiConnect radio control

### New: LED RGB Strip

With 60 coloured LEDs per meter and a finely tuned diffuser, the LED RGB Strip bar produces an evenly distributed and pleasant light.
- Selection of 48 colours and 3 whites
- Approx. 3 watt output per meter
- Max. length 5 metres
- Can be installed anywhere
- Timeless, elegant design

### LED and LED Design light bars

#### Size and number of LED lamps

<table>
<thead>
<tr>
<th>Width of light bar in cm</th>
<th>Number of separate LED spotlights</th>
<th>Width of light bar in cm</th>
<th>Number of separate LED spotlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 – 164</td>
<td>2</td>
<td>385 – 439</td>
<td>7</td>
</tr>
<tr>
<td>165 – 219</td>
<td>3</td>
<td>440 – 494</td>
<td>8</td>
</tr>
<tr>
<td>220 – 274</td>
<td>4</td>
<td>495 – 549</td>
<td>9</td>
</tr>
<tr>
<td>275 – 329</td>
<td>5</td>
<td>550 – 604</td>
<td>10</td>
</tr>
<tr>
<td>330 – 384</td>
<td>6</td>
<td>605 – 650</td>
<td>11</td>
</tr>
</tbody>
</table>

The LED spotlights in the light bars are generally positioned symmetrically. In the case of multi-section units, the spacing at the section joints may be irregular.

**LED spotlight failure display**

Patented failure display for LED spotlight: a defective spotlight is displayed as a red light. The other spotlights light up as before.
LED Design **light bars**

**Circuit diagram overview for LED Design**

1. Conventional circuit diagram

2. Circuit diagram for BiConnect control

3. Circuit diagram for Somfy RTS control

4. Circuit diagram for Somfy io-homecontrol control

Schematic diagram of light bars for a coupling. Light bars can be designed both individually and with other couplings.
LED | LED Design | 3Spot | LED RGB Strip light bars

**Cross-sections**

**LED light bar**

**LED Design/3Spot light bar**

**Design 3Spot light bar: position of the LED spotlights and cable output**

- No LED Design 3Spots shorter than 1640 mm possible.
- An LED Design 3Spot light bar always comprises 3 LED spotlights. No more than 3 light bars can be combined to make one installation.
- Several installations will need to be used if more light bars are required.
- Only one remote receiver is required for the light bar installation.

**LED RGB Strip light bar and cable output**

**Clip-in profile cover**

The fixing and internal control are covered by the elegant profile cover.

**Cable output:** either on the left or right
(a) on the side
(b) at the top
(c) at the rear
LED | LED Design | 3Spot | LED RGB Strip light bars

Installation options

LED RGB Strip

Wall installation

Installation on w17 easy top rail

Angle installation (90°)

(Top view)

LED Design/3Spot

Light bar installation on the wall using adjustable holder set

Roof mounting

LED light bar

Installation on the wall under the awning

Roof mounting

Minimum spacing

Maximum spacing

Note: Install the LED bar in a location protected from the weather and always with the illuminated area facing downwards.
Tempura and Tempura Quadra are developed and produced in Germany. The weinor powder coating allows for maximum quality and a vast variety of colours.

Tempura patio heating – a great performance from a small heater

The weinor Tempura heating system provides pleasant warmth on the patio quickly. It can be mounted anywhere, is easy to retrofit and generates pleasant warmth in the evenings and during the cooler months. The infrared rays can be felt as soon as the system is switched on. There is no lengthy pre-warming process as required with other heaters (e.g. medium wave or dark radiators). When operated using the BiConnect radio control from weinor, the Tempura heating system can be fine tuned to any level. It can be angled as required to target a specific area and provide pleasing temperatures. The Tempura is available in 2 versions: Tempura with its classic round look and Tempura Quadra in a modern square design.
Tempura heating Benefits

Tempura heating system – 2 versions for every style of home
You can choose from 2 versions to suit your personal taste: the classic Tempura with a rather round look and Tempura Quadra in a square design. The compact heating systems blend subtly into any style of architecture and home.

Energy-saving infrared heat as soon as you switch it on
The heating system’s warming infrared rays can be felt as soon as the system is switched on. There is no lengthy pre-warming process as required with other heaters (e.g. medium wave heaters). New infrared tubes filter up to 99% of the visible rays in the Tempura Quadra.

When operated using the BiConnect radio control, the Tempura heating system can be fine tuned to any level. Note: Tension-related clicking noises may be heard when the system is switched on or off.

Swivelling housing – easy to install
The heating system’s housing can be swivelled up and down to any angle. This allows for perfectly targeted heating.

The Tempura and Tempura Quadra can be fitted to any wall using the universal bracket. The Tempura Quadra can also be attached straight to the weinor Opal Design II awning and the round Tempura can be attached to the weinor Semina Life awning using a special bracket.

Housing the radio elements
While the remote receivers can be housed in the optional design bar with the Tempura, they can be integrated into the base with the Tempura Quadra.

Protected against overheating and splash-proof
The Tempura is constructed for outdoor use. No extra splash protection is required, e.g. a pane of glass. TÜV tested, protection rating I, protection type IP 24.
## Overview of the Tempura Quadra and Tempura patio heating systems

<table>
<thead>
<tr>
<th>Heating system</th>
<th>Tempura Quadra</th>
<th>Tempura</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technology</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (width x height x depth)</td>
<td>40.5 cm x 13 cm x 17 cm; 40.5 cm x 13 cm x 9 (for Opal Design II)</td>
<td>46 cm x 13 cm x 10.4 cm</td>
</tr>
<tr>
<td>Output/power consumption</td>
<td>230 volts, 50 hertz, 1,500 watts</td>
<td>230 volts, 50 hertz, 1,500 watts</td>
</tr>
<tr>
<td>Weight</td>
<td>4.4 kg (Universal); 3 kg (for Opal Design II)</td>
<td>2.6 kg</td>
</tr>
<tr>
<td><strong>Tilt radius</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal wall mounting</td>
<td>40°</td>
<td>40°</td>
</tr>
<tr>
<td>Universal roof mounting</td>
<td>65°</td>
<td>70°</td>
</tr>
<tr>
<td>(can be swivelled in both directions)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opal Design II fixing position</td>
<td>15°</td>
<td>40°</td>
</tr>
<tr>
<td>Semina Life fixing position</td>
<td>15°</td>
<td></td>
</tr>
<tr>
<td><strong>Mounting alternatives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal wall and ceiling mounting</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Bracket for attachment to Opal Design II</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Bracket for attachment to Semina Life</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>260 attachment for installation on the Terrazza Pure guttering or the wall</td>
<td>○</td>
<td>○ update —</td>
</tr>
<tr>
<td><strong>Design</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47 standard frame colours</td>
<td>●</td>
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</tr>
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</tr>
<tr>
<td>Other structural colours</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td><strong>Controls</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio control</td>
<td>○ BiConnect BiRec HD (dimmable)</td>
<td>○ BiConnect BiRec HD (dimmable)</td>
</tr>
<tr>
<td>(for more information see Control and drive technology folder)</td>
<td>○ BiConnect BiRec On/Off (not dimmable)</td>
<td>○ BiConnect BiRec On/Off (not dimmable)</td>
</tr>
<tr>
<td></td>
<td>○ Somfy Heating Slim Receiver RTS (not dimmable)</td>
<td>○ Somfy Heating Slim Receiver RTS (not dimmable)</td>
</tr>
<tr>
<td></td>
<td>○ Heating Slim Receiver on/off io 2KW STAS3/STAK3 (not dimmable)</td>
<td>○ Heating Slim Receiver on/off io 2KW STAS3/STAK3 (not dimmable)</td>
</tr>
<tr>
<td>Hard wired to existing power supply</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cabling</td>
<td>0.4 m silicone lead, Hirschmann coupling and 1.5 m lead with Schuko plug for start-up (not suitable for continuous use)</td>
<td></td>
</tr>
<tr>
<td><strong>Quality</strong></td>
<td>Made in Germany</td>
<td>TÜV-tested safety (GS certified); IP code 24; Protection class I</td>
</tr>
</tbody>
</table>

- standard  ○ optional  — unavailable
Tempura heating system Technology

Sectional drawing and mounting alternatives for Tempura Quadra/Tempura

Sectional drawing

When attached to an Opal Design II, the Tempura Quadra can be swivelled 15°. When attached to an Opal Design II, the Tempura can be swivelled 40°. When attached to the Semina Life, the Tempura can be swivelled 15°.

Attachment using special bracket
Tempura Quadra/Tempura wall mounting

Tempura Quadra/Tempura roof mounting

Tempura Quadra installation on the Terrazza Pure guttering or the wall using the 260 attachment

Tempura Quadra wall and roof mounting using 260 attachment
CUSTOMISED, SYSTEMISED SOLUTIONS

AWNINGS

Terrazza Pure patio roof with lateral SUPER LITE fixed glazing

Terrazza patio roof with Sottezza II sun protection

Awning with Valance Plus and Tempura

Awning with Valance Plus and Paravento

Terrazza Pure patio roof

Glasoase® with conservatory awning

WGM Top and full glass sliding door w17 easy

Awning

Pergola awning

Plaza Viva and Paravento

Pergola awning

weinor PergoTex II and Tempura

Pergola awning

weinor PergoTex II with VertiTex II

Pergola awning

weinor PergoTex II and Paravento

Patio roofs

AND GLASOASE®

Premium quality made in Germany

CUSTOMISED, SYSTEMISED SOLUTIONS

Awning

Pergola awning

Plaza Viva and Paravento

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