GuideLed SL 13011, 13021 CG-S

Recessed mounting

GuideLed SL 13011, 13021 CG-S
- Safety luminaire in LED technology for recessed mounting
- Low installation depth of only 36 mm
- Almost flush appearance on the ceiling ensured by optics integrated in the luminaire
- High spacing by double optics technology and highly efficient HighPower LEDs
- Up to 29 m from luminaire to luminaire with optics for escape route illumination
- Up to 13 m from luminaire to luminaire with optics for open area illumination
- Minimum service requirement due to high service life of the LEDs (50,000 hours)

Luminous flux $\Phi_i$

- Asymmetric optics 210 Im
- Symmetric optics 204 Im

Luminous flux $\Phi_i/\Phi_n$ at the end of rated operating time 100 %

Housing material PC, PMMA, aluminium

Housing colour White RAL 9010

Weight 0.44 kg

Type of mounting Recessed mounting

Connection terminal Clamp terminal 2.5 mm²

Voltage ranges 220 - 240 V AC, 50/60 Hz
176 - 275 V DC

Current consumption - battery operation (220 V) 21.5 mA

Power consumption mains operation (apparent power / effective power) 8.5 VA / 5.0 W

Permissible ambient temperature -20 °C to +40 °C

Light source HighPower LEDs 2 x 1.6 W

Ordering details

Scope of supply Order No.
GuideLed SL 13011 CG-S recessed mounting with asymmetric optics for escape route illumination, LED supply and CG-S technology (20 addresses) in housing* with strain relief 40071353570
GuideLed SL 13021 CG-S recessed mounting with symmetric optics for anti-panic / open area illumination, LED supply and CG-S technology (20 addresses) in housing* with strain relief 40071353571

* Degree of protection of the luminaire: IP41
Degree of protection of the housing: IP20
## Planning assistance for GuideLed SL CG-S with asymmetric optics

Measuring height 0.02 m, maintenance factor MF = 80%, battery operation

<table>
<thead>
<tr>
<th>Mounting height [m]</th>
<th>Types of mounting</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>L4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50</td>
<td>Escape route illumination</td>
<td>1.60 (3.00)</td>
<td>5.80 (7.40)</td>
<td>5.90 (6.60)</td>
<td>13.20 (14.80)</td>
</tr>
<tr>
<td>3.00</td>
<td></td>
<td>1.40 (3.00)</td>
<td>6.00 (7.90)</td>
<td>6.60 (7.50)</td>
<td>15.00 (16.70)</td>
</tr>
<tr>
<td>3.50</td>
<td></td>
<td>1.30 (2.30)</td>
<td>4.50 (8.20)</td>
<td>7.40 (8.30)</td>
<td>16.60 (18.60)</td>
</tr>
<tr>
<td>4.00</td>
<td></td>
<td>1.20 (2.00)</td>
<td>3.90 (8.40)</td>
<td>8.10 (9.10)</td>
<td>18.00 (20.40)</td>
</tr>
<tr>
<td>4.50</td>
<td></td>
<td>1.20 (1.80)</td>
<td>3.40 (7.40)</td>
<td>8.00 (9.70)</td>
<td>19.40 (22.10)</td>
</tr>
<tr>
<td>5.00</td>
<td></td>
<td>1.20 (1.80)</td>
<td>3.20 (6.30)</td>
<td>9.40 (10.50)</td>
<td>20.90 (23.60)</td>
</tr>
<tr>
<td>5.50</td>
<td></td>
<td>1.20 (1.80)</td>
<td>3.00 (5.70)</td>
<td>9.40 (10.50)</td>
<td>22.40 (25.10)</td>
</tr>
<tr>
<td>6.00</td>
<td></td>
<td>1.20 (1.70)</td>
<td>3.10 (5.50)</td>
<td>9.60 (10.40)</td>
<td>23.00 (25.60)</td>
</tr>
<tr>
<td>6.50</td>
<td></td>
<td>1.10 (1.70)</td>
<td>3.10 (4.70)</td>
<td>9.60 (10.40)</td>
<td>24.50 (27.80)</td>
</tr>
<tr>
<td>7.00</td>
<td></td>
<td>1.10 (1.70)</td>
<td>3.10 (4.60)</td>
<td>9.40 (10.30)</td>
<td>26.40 (29.40)</td>
</tr>
<tr>
<td>7.50</td>
<td></td>
<td>1.10 (1.70)</td>
<td>3.00 (4.40)</td>
<td>9.20 (10.10)</td>
<td>27.60 (30.90)</td>
</tr>
<tr>
<td>8.00</td>
<td></td>
<td>1.00 (1.70)</td>
<td>2.90 (4.30)</td>
<td>3.60 (12.60)</td>
<td>28.70 (32.30)</td>
</tr>
<tr>
<td>8.50</td>
<td></td>
<td>1.00 (1.60)</td>
<td>2.90 (4.20)</td>
<td>3.30 (11.50)</td>
<td>29.80 (33.70)</td>
</tr>
</tbody>
</table>

## Planning assistance for GuideLed SL CG-S with symmetric optics

Measuring height 0.02 m, maintenance factor MF = 80%, battery operation

<table>
<thead>
<tr>
<th>Mounting height [m]</th>
<th>Types of mounting</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>L4</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.50</td>
<td>Escape route illumination</td>
<td>3.60 (4.40)</td>
<td>8.80 (10.00)</td>
<td>4.20 (4.90)</td>
<td>9.80 (11.30)</td>
</tr>
<tr>
<td>3.00</td>
<td></td>
<td>4.10 (5.40)</td>
<td>9.90 (11.30)</td>
<td>4.60 (5.50)</td>
<td>10.90 (12.50)</td>
</tr>
<tr>
<td>3.50</td>
<td></td>
<td>4.10 (5.40)</td>
<td>10.70 (12.30)</td>
<td>4.70 (5.90)</td>
<td>11.80 (13.80)</td>
</tr>
<tr>
<td>4.00</td>
<td></td>
<td>3.70 (5.80)</td>
<td>11.50 (13.40)</td>
<td>4.30 (6.30)</td>
<td>12.50 (14.90)</td>
</tr>
<tr>
<td>4.50</td>
<td></td>
<td>2.00 (5.80)</td>
<td>11.50 (14.30)</td>
<td>1.90 (6.60)</td>
<td>13.10 (15.90)</td>
</tr>
<tr>
<td>5.00</td>
<td></td>
<td>1.40 (5.70)</td>
<td>11.30 (15.20)</td>
<td>1.50 (6.60)</td>
<td>13.10 (16.80)</td>
</tr>
<tr>
<td>5.50</td>
<td></td>
<td>0.90 (5.40)</td>
<td>10.70 (16.00)</td>
<td>0.90 (6.30)</td>
<td>12.50 (17.50)</td>
</tr>
<tr>
<td>6.00</td>
<td></td>
<td>1.30 (4.20)</td>
<td>6.80 (16.30)</td>
<td>1.90 (3.20)</td>
<td>6.20 (8.10)</td>
</tr>
<tr>
<td>6.50</td>
<td></td>
<td>1.40 (2.60)</td>
<td>5.00 (16.30)</td>
<td>1.60 (2.60)</td>
<td>5.00 (18.60)</td>
</tr>
<tr>
<td>7.00</td>
<td></td>
<td>0.70 (2.10)</td>
<td>3.90 (16.10)</td>
<td>0.40 (2.10)</td>
<td>4.10 (18.50)</td>
</tr>
<tr>
<td>7.50</td>
<td>Room illumination</td>
<td>3.50 (4.40)</td>
<td>8.20 (9.60)</td>
<td>3.40 (4.50)</td>
<td>8.20 (9.00)</td>
</tr>
<tr>
<td>8.00</td>
<td></td>
<td>3.40 (4.40)</td>
<td>9.20 (11.00)</td>
<td>4.50 (4.50)</td>
<td>9.00 (10.00)</td>
</tr>
<tr>
<td>8.50</td>
<td></td>
<td>3.40 (4.40)</td>
<td>10.00 (11.60)</td>
<td>4.50 (5.50)</td>
<td>9.90 (11.40)</td>
</tr>
<tr>
<td>9.00</td>
<td></td>
<td>3.40 (4.40)</td>
<td>10.60 (12.40)</td>
<td>4.50 (5.50)</td>
<td>10.60 (12.60)</td>
</tr>
<tr>
<td>9.50</td>
<td></td>
<td>1.40 (5.40)</td>
<td>11.40 (13.40)</td>
<td>2.50 (5.50)</td>
<td>11.20 (13.40)</td>
</tr>
<tr>
<td>10.00</td>
<td></td>
<td>1.50 (5.40)</td>
<td>11.40 (14.20)</td>
<td>1.40 (5.50)</td>
<td>12.40 (14.20)</td>
</tr>
<tr>
<td>10.50</td>
<td></td>
<td>1.00 (5.40)</td>
<td>11.00 (15.00)</td>
<td>1.00 (5.50)</td>
<td>13.60 (14.80)</td>
</tr>
<tr>
<td>11.00</td>
<td></td>
<td>0.70 (2.40)</td>
<td>10.40 (15.40)</td>
<td>0.70 (2.50)</td>
<td>13.40 (15.60)</td>
</tr>
<tr>
<td>11.50</td>
<td></td>
<td>0.70 (2.40)</td>
<td>10.40 (16.20)</td>
<td>0.70 (2.50)</td>
<td>11.40 (16.20)</td>
</tr>
<tr>
<td>12.00</td>
<td></td>
<td>0.70 (1.90)</td>
<td>9.40 (16.60)</td>
<td>0.70 (1.90)</td>
<td>10.60 (16.80)</td>
</tr>
</tbody>
</table>