

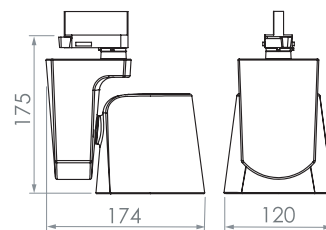
# SIDECAR M DALI

"Sidecar is our most compact version of spotlights. It is a traditional side-by-side solution, inspired by the sidecar version of a motorcycle. We created a design that places the point of rotation on the track as central as possible to avoid a big offset from the track, allowing a number of spotlights to visually work well together. Developed and produced in Sweden".

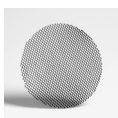
LED-spotlight with passive cooling system.  
Dimmable by DALI.  
Die cast aluminium body, powder coat painted.  
Integral heatsink. Integral premium driver.  
Amplitude dimming (AM) for flicker free and noise free dimming.  
Low ripple output current <4% to assure camera and scanner friendly performance.  
Rotation 365°. Vertical adjustment +/- 90°.  
Track mounted with GAC Pulse adapter.



|                               |                                |
|-------------------------------|--------------------------------|
| <b>Class of protection</b>    | IP20, class I                  |
| <b>Colours</b>                | White, black                   |
| <b>Weight total</b>           | 1020g                          |
| <b>Reflector</b>              | High purity aluminium          |
| <b>Lifetime</b>               | 50.000h L80/B10 at Ta 25°C     |
| <b>Mounting</b>               | GAC-adapter for Pulse track    |
| <b>Voltage</b>                | 220-240V 50/60hz               |
| <b>Qty per MCB</b>            | Max 34pcs/MCB 16A type B       |
| <b>Ripple out. current</b>    | < 4%. Flicker-free performance |
| <b>Colour consistency</b>     | 2 SDCM                         |
| <b>Photobiological safety</b> | RG1                            |
| <b>Design</b>                 | Jesper Ståhl                   |
| <b>Dimming 100-1%</b>         | DALI                           |



- ☐ White  
☒ Black



## Accessories

Honeycomb louvre Sidecar S **215091**

# SIDECAR M DALI

| Description  | Reflector | CCT (K) | CRI    | Lumen  | Load      | Lumen | Lm/W | ○ White  | ● Black |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
|--|-----------|---------|--------|--------|-----------|-------|------|----------|---------|------|-------|-------|---|------|------|------|---|------|------|------|---|------|------|------|---|--|--------|--------|--------|---|---|-----|-----|---|------|-------|-------|---|------|------|------|---|------|------|------|---|------|-----|------|---|--|-------|--------|--------|---|---|-----|-----|---|------|------|------|---|------|------|------|---|------|-----|-----|---|------|-----|-----|---|--|-----------|--------|--------|---|---|-----|-----|---|------|------|------|---|------|------|------|-----|------|-----|-----|---|------|-----|-----|---|--|
| LIGHTSOURCE  |           |         |        |        | LUMINAIRE |       |      | ART. No. |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| WARM WHITE 3000K (930)   |           |         |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm SP 930Spot 15°   |           | 3000K   | 92     | 4670   | 32W       | 4290  | 134  | 215510   | 215514  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm ME 930 Medium 25°  |           | 3000K   | 92     | 4670   | 32W       | 4290  | 134  | 215511   | 215515  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm FL 930 Flood 45°   |           | 3000K   | 92     | 4670   | 32W       | 4290  | 134  | 215512   | 215516  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm FL 930 WideFlood 60°   |           | 3000K   | 92     | 4670   | 32W       | 4290  | 134  | 215513   | 215517  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm SP 930Spot 15°   |           | 3000K   | 92     | 5490   | 38W       | 5005  | 131  | 215610   | 215614  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm ME 930 Medium 25°  |           | 3000K   | 92     | 5490   | 38W       | 5005  | 131  | 215611   | 215615  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm FL 930 Flood 45°   |           | 3000K   | 92     | 5490   | 38W       | 5005  | 131  | 215612   | 215616  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm FL 930 WideFlood 60°   |           | 3000K   | 92     | 5490   | 38W       | 5005  | 131  | 215613   | 215617  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
|  |           |         |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| <table><tr><th>Spot</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>0,28</td><td>27939</td><td>32596</td></tr><tr><td>2</td><td>0,56</td><td>6985</td><td>8149</td></tr><tr><td>3</td><td>0,84</td><td>3104</td><td>3622</td></tr><tr><td>4</td><td>1,12</td><td>1746</td><td>2037</td></tr></table> |           | Spot    | 4000lm | 5000lm | m         | Ø     | Lux  | Lux      | 1       | 0,28 | 27939 | 32596 | 2 | 0,56 | 6985 | 8149 | 3 | 0,84 | 3104 | 3622 | 4 | 1,12 | 1746 | 2037 | <table><tr><th>Medium</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>0,42</td><td>13546</td><td>15804</td></tr><tr><td>2</td><td>0,84</td><td>3387</td><td>3951</td></tr><tr><td>3</td><td>1,25</td><td>1505</td><td>1756</td></tr><tr><td>4</td><td>1,70</td><td>847</td><td>988</td></tr></table>  |  | Medium | 4000lm | 5000lm | m | Ø | Lux | Lux | 1 | 0,42 | 13546 | 15804 | 2 | 0,84 | 3387 | 3951 | 3 | 1,25 | 1505 | 1756 | 4 | 1,70 | 847 | 988  | <table><tr><th>Flood</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>0,86</td><td>6129</td><td>7150</td></tr><tr><td>2</td><td>1,72</td><td>1532</td><td>1788</td></tr><tr><td>3</td><td>2,58</td><td>681</td><td>794</td></tr><tr><td>4</td><td>3,44</td><td>383</td><td>447</td></tr></table> |  | Flood | 4000lm | 5000lm | m | Ø | Lux | Lux | 1 | 0,86 | 6129 | 7150 | 2 | 1,72 | 1532 | 1788 | 3 | 2,58 | 681 | 794 | 4 | 3,44 | 383 | 447 | <table><tr><th>Wideflood</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>1,19</td><td>4713</td><td>5499</td></tr><tr><td>2</td><td>2,38</td><td>1178</td><td>1375</td></tr><tr><td>2,5</td><td>3,56</td><td>524</td><td>611</td></tr><tr><td>3</td><td>4,76</td><td>294</td><td>344</td></tr></table> |  | Wideflood | 4000lm | 5000lm | m | Ø | Lux | Lux | 1 | 1,19 | 4713 | 5499 | 2 | 2,38 | 1178 | 1375 | 2,5 | 3,56 | 524 | 611 | 3 | 4,76 | 294 | 344 | <p>3000K 930 Spectral power distributions</p> |  |
| Spot   | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 0,28      | 27939   | 32596  |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 0,56      | 6985    | 8149   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 0,84      | 3104    | 3622   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 4  | 1,12      | 1746    | 2037   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| Medium   | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 0,42      | 13546   | 15804  |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 0,84      | 3387    | 3951   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 1,25      | 1505    | 1756   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 4  | 1,70      | 847     | 988    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| Flood  | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 0,86      | 6129    | 7150   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 1,72      | 1532    | 1788   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 2,58      | 681     | 794    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 4  | 3,44      | 383     | 447    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| Wideflood  | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 1,19      | 4713    | 5499   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 2,38      | 1178    | 1375   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2,5  | 3,56      | 524     | 611    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 4,76      | 294     | 344    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| NEUTRAL WHITE 4000K (940)  |           |         |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm SP 940Spot 15°   |           | 4000K   | 92     | 4770   | 32W       | 4360  | 136  | 215550   | 215554  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm ME 940 Medium 25°  |           | 4000K   | 92     | 4770   | 32W       | 4360  | 136  | 215551   | 215555  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm FL 940 Flood 45°   |           | 4000K   | 92     | 4770   | 32W       | 4360  | 136  | 215552   | 215556  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 4000lm FL 940 WideFlood 60°   |           | 4000K   | 92     | 4770   | 32W       | 4360  | 136  | 215553   | 215557  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm SP 940Spot 15°   |           | 4000K   | 92     | 5630   | 38W       | 5120  | 134  | 215650   | 215654  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm ME 940 Medium 25°  |           | 4000K   | 92     | 5630   | 38W       | 5120  | 134  | 215651   | 215655  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm FL 940 Flood 45°   |           | 4000K   | 92     | 5630   | 38W       | 5120  | 134  | 215652   | 215656  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| SIDECAR M DALI 5000lm FL 940 WideFlood 60°   |           | 4000K   | 92     | 5630   | 38W       | 5120  | 134  | 215653   | 215657  |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
|  |           |         |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| <table><tr><th>Spot</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>0,28</td><td>28395</td><td>33344</td></tr><tr><td>2</td><td>0,56</td><td>7099</td><td>8336</td></tr><tr><td>3</td><td>0,84</td><td>3155</td><td>3705</td></tr><tr><td>4</td><td>1,12</td><td>1775</td><td>2084</td></tr></table> |           | Spot    | 4000lm | 5000lm | m         | Ø     | Lux  | Lux      | 1       | 0,28 | 28395 | 33344 | 2 | 0,56 | 7099 | 8336 | 3 | 0,84 | 3155 | 3705 | 4 | 1,12 | 1775 | 2084 | <table><tr><th>Medium</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>0,42</td><td>13767</td><td>16167</td></tr><tr><td>2</td><td>0,84</td><td>3442</td><td>4042</td></tr><tr><td>3</td><td>1,25</td><td>1530</td><td>1796</td></tr><tr><td>4</td><td>1,70</td><td>860</td><td>1010</td></tr></table> |  | Medium | 4000lm | 5000lm | m | Ø | Lux | Lux | 1 | 0,42 | 13767 | 16167 | 2 | 0,84 | 3442 | 4042 | 3 | 1,25 | 1530 | 1796 | 4 | 1,70 | 860 | 1010 | <table><tr><th>Flood</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>0,86</td><td>6229</td><td>7314</td></tr><tr><td>2</td><td>1,72</td><td>1557</td><td>1829</td></tr><tr><td>3</td><td>2,58</td><td>692</td><td>813</td></tr><tr><td>4</td><td>3,44</td><td>389</td><td>457</td></tr></table> |  | Flood | 4000lm | 5000lm | m | Ø | Lux | Lux | 1 | 0,86 | 6229 | 7314 | 2 | 1,72 | 1557 | 1829 | 3 | 2,58 | 692 | 813 | 4 | 3,44 | 389 | 457 | <table><tr><th>Wideflood</th><th>4000lm</th><th>5000lm</th></tr><tr><td>m</td><td>Ø</td><td>Lux</td><td>Lux</td></tr><tr><td>1</td><td>1,19</td><td>4790</td><td>5625</td></tr><tr><td>2</td><td>2,38</td><td>1198</td><td>1406</td></tr><tr><td>2,5</td><td>3,56</td><td>532</td><td>625</td></tr><tr><td>3</td><td>4,76</td><td>299</td><td>352</td></tr></table> |  | Wideflood | 4000lm | 5000lm | m | Ø | Lux | Lux | 1 | 1,19 | 4790 | 5625 | 2 | 2,38 | 1198 | 1406 | 2,5 | 3,56 | 532 | 625 | 3 | 4,76 | 299 | 352 | <p>4000K 940 Spectral power distributions</p> |  |
| Spot   | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 0,28      | 28395   | 33344  |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 0,56      | 7099    | 8336   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 0,84      | 3155    | 3705   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 4  | 1,12      | 1775    | 2084   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| Medium   | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 0,42      | 13767   | 16167  |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 0,84      | 3442    | 4042   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 1,25      | 1530    | 1796   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 4  | 1,70      | 860     | 1010   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| Flood  | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 0,86      | 6229    | 7314   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 1,72      | 1557    | 1829   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 2,58      | 692     | 813    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 4  | 3,44      | 389     | 457    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| Wideflood  | 4000lm    | 5000lm  |        |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| m  | Ø         | Lux     | Lux    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 1  | 1,19      | 4790    | 5625   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2  | 2,38      | 1198    | 1406   |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 2,5  | 3,56      | 532     | 625    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |
| 3  | 4,76      | 299     | 352    |        |           |       |      |          |         |      |       |       |   |      |      |      |   |      |      |      |   |      |      |      |   |  |        |        |        |   |   |     |     |   |      |       |       |   |      |      |      |   |      |      |      |   |      |     |      |   |  |       |        |        |   |   |     |     |   |      |      |      |   |      |      |      |   |      |     |     |   |      |     |     |   |  |           |        |        |   |   |     |     |   |      |      |      |   |      |      |      |     |      |     |     |   |      |     |     |   |  |

Luminous flux and connected electrical load are subject to an initial tolerance of +/- 5%. Tolerance of colour temperature: +/-150 K. Tolerance of CRI +/- 1,5. Values apply to an ambient temperature of 25°C.

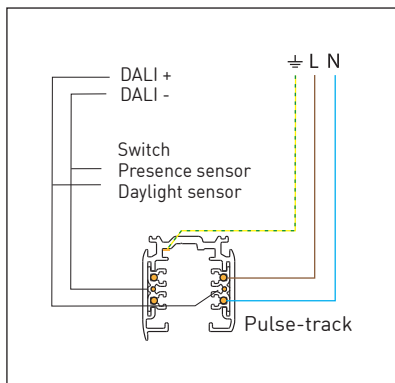
# DALI - Dimming & Control

RUNWAY S DALI is equipped with control adapter for Global Pulse Tracks. Dimmable 100-1% by either DALI or DALI-dimmer.

The DALI lighting control system delivers unparalleled performance, maximum control, flexibility and increased energy savings.

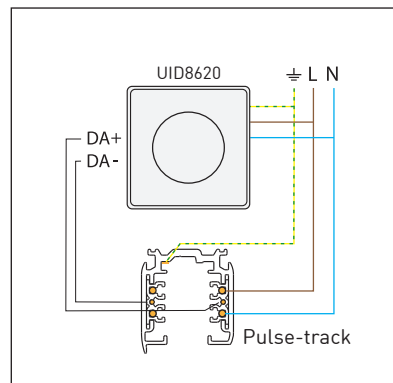
DALI-dimmers offer easy installation and maintenance. Wiring is simple and installation costs are lower.

By adding a converter all DALI-luminaires can be integrated into wireless systems.



## DALI LIGHTING CONTROL SYSTEM

The DALI lighting control system delivers maximum control, flexibility and increased energy savings. DALI can control a single light fitting or a defined group of fittings. Different scenes and lightlevels may be set. The DALI specification allows for a maximum of 64 luminaires per network, which can be broken up to 16 different groups, each with its own lighting scene. DALI is an industry standard protocol that allows DALI-compliant components from different manufacturers to be mixed and matched together seamlessly into complete systems.



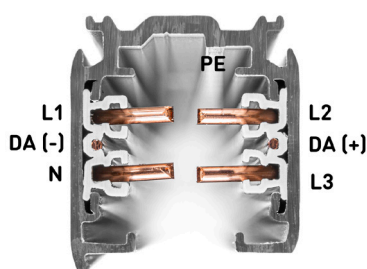
## DALI Dimmer

DALI compliant dimmers offers easy installation. Generally applicable for indoor lighting control with DALI compliant devices. Brightness is controlled in broadcast mode so all connected devices will react simultaneously. Dimming level 100-1%. Preset levels can be set. Maximum 32 DALI-loads may be connected to one UIB 8620.



## DALI to CASAMBI

DALI luminaires can be converted to Casambi networks with the addition of a Casambi DALI-bridge. All DALI luminaires and Casambi Ready controllers can be combined together and controlled as a single Casambi mesh network, from the Casambi App.



## Global Pulse

3-circuit 16A mains voltage track system with additional control signals. Lystra DALI tracklights are equipped with GAC Pulse-adapter and may be controlled via DALI or with DALI-dimmer. (For example Philips UID 8620, Schnedier Exxact DALI or Osram MCU).

