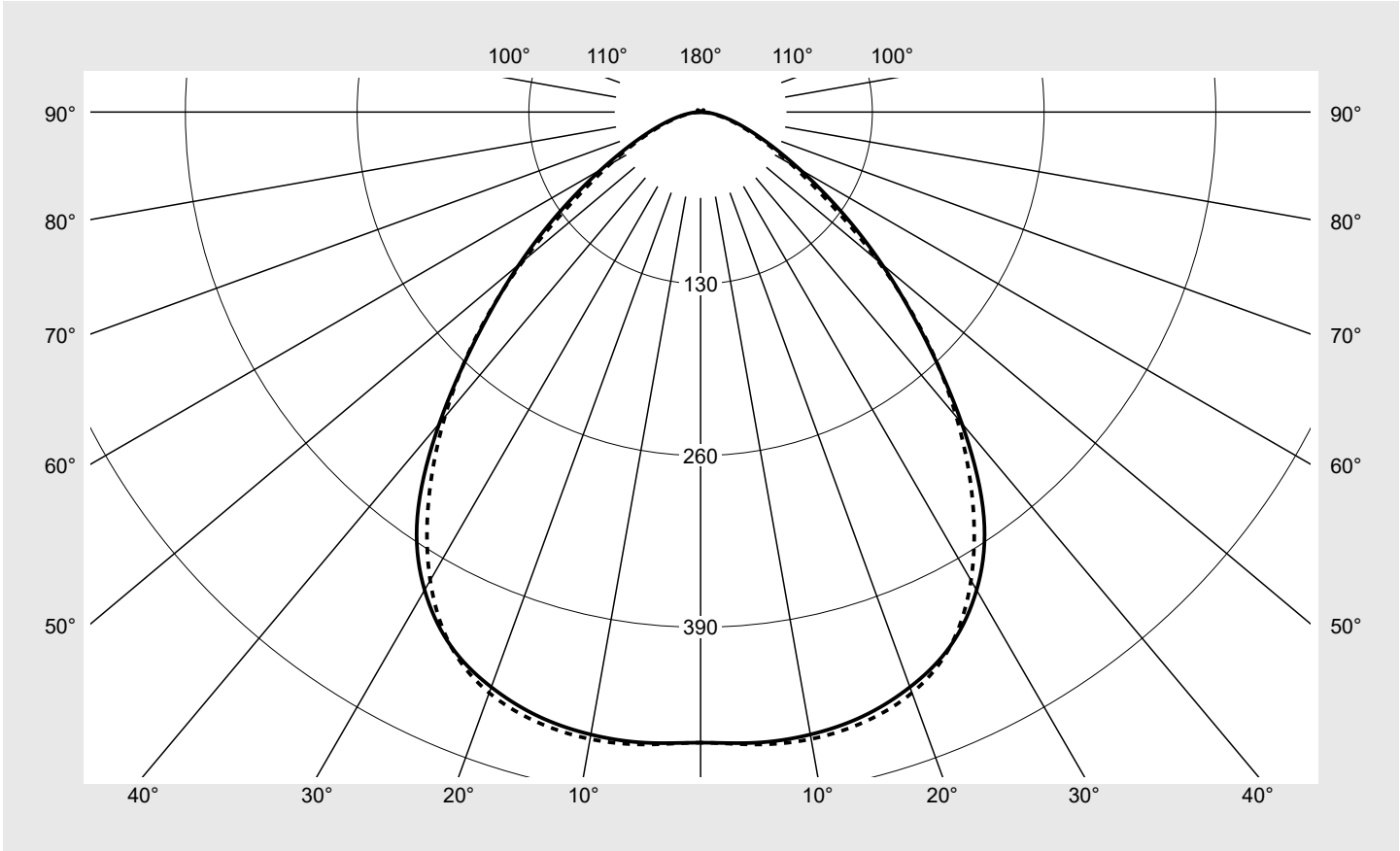


# Photometric test report

|                                   |   |   |
|-----------------------------------|---|---|
| <b>Family</b><br>Trunking Flex 31 | <b>Order number: 51RF12DB49XG52C</b><br><b>EAN: 4069025560070</b>                           | <b>LP number</b><br>59302_343             |
| <b>Version</b>                    | primary light control with lens, transparent, PMMA, wide distribution                       | <b>serial documentation</b><br>09.10.2025 |
| <b>Lamps</b>                      | LED 4000 K   CRI ≥ 80   |   |
| <b>Controlgear</b>                | ECG-DALI  |   |
| <b>Setting</b>                    | AC-mode   |   |
| <b>Rated values</b>               | Net luminous flux = 9000 lm<br>Power consumption = 52.1 W<br>Luminous efficacy = 172.7 lm/W |   |



**Luminous intensity in cd/klm** C180-0 C270-90 **Imax: 482 cd/klm**



| Classifications |                                   |
|-----------------|-----------------------------------|
| DIN 5040        | A 5 2                             |
| CIE             | N1=64 N2=91 N3=98<br>N4=99 N5=100 |

| Luminaire light output ratios |        |
|-------------------------------|--------|
| $\eta_{LB}$                   | 100.0% |
| $\phi_u$                      | 99.1%  |
| $\phi_o$                      | 0.9%   |

| Measurement conditions    |
|---------------------------|
| DIN EN 13032 and DIN 5032 |

## Photometric test report

|  |   |                            |
|--|---|----------------------------|
| Family<br>Trunking Flex 31               | Order number: 51RF12DB49XG52C<br>EAN: 4069025560070 | LP number<br>59302_343     |
| Table of values for luminous intensities |   | Maximum luminous intensity |
|  |   | <b>siteco</b>              |

| C-planes<br>$\gamma$         | 0°<br>180° | 15°                  | 30°                  | 45°                  | 60°                  | 75°                  | 90°<br>270°             | Phi-zone | Total<br>Phi-zone |
|------------------------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------|-------------------|
|                              |            | 165°<br>195°<br>345° | 150°<br>210°<br>330° | 135°<br>225°<br>315° | 120°<br>240°<br>300° | 105°<br>255°<br>285° |                         |          |                   |
| Luminous intensity in cd/klm |            |                      |                      |                      |                      |                      | Luminous flux in lm/klm |          |                   |
| 0°                           | 477.4      | 477.4                | 477.4                | 477.4                | 477.4                | 477.4                | 477.4                   | 2.9      | 2.9               |
| 5°                           | 479.2      | 479.4                | 476.1                | 476.9                | 477.7                | 479.1                | 480.6                   | 22.8     | 25.7              |
| 10°                          | 478.5      | 478.8                | 475.9                | 476.7                | 478.1                | 479.7                | 481.9                   | 45.5     | 71.2              |
| 15°                          | 473.7      | 474.6                | 472.3                | 472.8                | 474.3                | 476.3                | 478.1                   | 67.3     | 138.5             |
| 20°                          | 463.3      | 464.4                | 462.2                | 462.5                | 463.5                | 465.9                | 467.9                   | 87.0     | 225.5             |
| 25°                          | 446.5      | 446.1                | 441.7                | 442.3                | 444.6                | 445.0                | 446.7                   | 102.9    | 328.5             |
| 30°                          | 417.9      | 412.9                | 407.0                | 410.2                | 413.2                | 410.4                | 409.4                   | 112.7    | 441.2             |
| 35°                          | 373.8      | 365.6                | 358.8                | 365.1                | 368.4                | 362.5                | 359.0                   | 114.6    | 555.7             |
| 40°                          | 307.6      | 307.1                | 302.9                | 303.0                | 299.1                | 300.3                | 301.2                   | 106.7    | 662.4             |
| 45°                          | 238.0      | 232.2                | 241.2                | 229.3                | 232.4                | 226.8                | 239.9                   | 90.5     | 752.9             |
| 50°                          | 179.0      | 175.4                | 175.4                | 172.2                | 173.6                | 171.0                | 175.3                   | 73.1     | 826.0             |
| 55°                          | 127.6      | 127.0                | 119.9                | 124.4                | 123.4                | 123.3                | 117.8                   | 55.4     | 881.5             |
| 60°                          | 86.5       | 87.3                 | 81.4                 | 85.4                 | 84.1                 | 84.7                 | 79.6                    | 40.0     | 921.5             |
| 65°                          | 57.4       | 58.2                 | 54.6                 | 57.2                 | 56.0                 | 56.8                 | 53.2                    | 28.0     | 949.5             |
| 70°                          | 37.6       | 37.8                 | 35.9                 | 37.4                 | 36.6                 | 36.7                 | 34.5                    | 18.9     | 968.4             |
| 75°                          | 23.7       | 23.8                 | 22.9                 | 23.5                 | 22.9                 | 22.8                 | 21.3                    | 12.2     | 980.6             |
| 80°                          | 13.7       | 13.5                 | 13.1                 | 13.2                 | 12.8                 | 12.3                 | 11.3                    | 7.0      | 987.6             |
| 85°                          | 6.4        | 6.2                  | 5.9                  | 5.7                  | 5.2                  | 4.6                  | 4.0                     | 3.0      | 990.6             |
| 90°                          | 2.2        | 2.1                  | 2.0                  | 1.7                  | 1.4                  | 1.0                  | 0.6                     | 0.9      | 991.5             |
| 95°                          | 1.8        | 1.7                  | 1.7                  | 1.5                  | 1.2                  | 0.8                  | 0.5                     | 0.7      | 992.2             |
| 100°                         | 2.3        | 2.3                  | 2.1                  | 1.7                  | 1.3                  | 0.8                  | 0.5                     | 0.9      | 993.0             |
| 105°                         | 2.1        | 2.1                  | 2.0                  | 1.7                  | 1.3                  | 0.7                  | 0.5                     | 0.8      | 993.9             |
| 110°                         | 2.3        | 2.3                  | 2.0                  | 1.7                  | 1.2                  | 0.6                  | 0.4                     | 0.8      | 994.6             |
| 115°                         | 2.2        | 2.1                  | 1.9                  | 1.7                  | 1.1                  | 0.7                  | 0.5                     | 0.7      | 995.4             |
| 120°                         | 2.3        | 2.0                  | 1.7                  | 1.5                  | 1.1                  | 0.7                  | 0.7                     | 0.7      | 996.0             |
| 125°                         | 2.7        | 2.1                  | 1.8                  | 1.4                  | 1.0                  | 0.7                  | 0.7                     | 0.7      | 996.7             |
| 130°                         | 2.0        | 1.9                  | 2.0                  | 1.4                  | 1.1                  | 0.9                  | 0.9                     | 0.6      | 997.3             |
| 135°                         | 2.0        | 1.9                  | 1.8                  | 1.5                  | 1.2                  | 1.2                  | 1.2                     | 0.6      | 997.9             |
| 140°                         | 2.0        | 2.0                  | 1.8                  | 1.6                  | 1.4                  | 1.4                  | 1.4                     | 0.6      | 998.5             |
| 145°                         | 2.1        | 2.0                  | 1.9                  | 1.7                  | 1.6                  | 1.6                  | 1.6                     | 0.6      | 999.1             |
| 150°                         | 2.1        | 2.1                  | 1.9                  | 1.8                  | 1.8                  | 1.8                  | 1.8                     | 0.5      | 999.6             |
| 155°                         | 1.9        | 1.9                  | 1.8                  | 1.8                  | 1.8                  | 1.8                  | 1.8                     | 0.4      | 1000.0            |
| 160°                         | 0.0        | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                     | 0.0      | 1000.0            |
| 165°                         | 0.0        | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                     | 0.0      | 1000.0            |
| 170°                         | 0.0        | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                     | 0.0      | 1000.0            |
| 175°                         | 0.0        | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                     | 0.0      | 1000.0            |
| 180°                         | 0.0        | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                     | 0.0      | 1000.0            |

## Photometric test report

|                            |   |                        |
|----------------------------|---|------------------------|
| Family<br>Trunking Flex 31 | Order number: 51RF12DB49XG52C<br>EAN: 4069025560070 | LP number<br>59302_343 |
|----------------------------|---|------------------------|

siteco

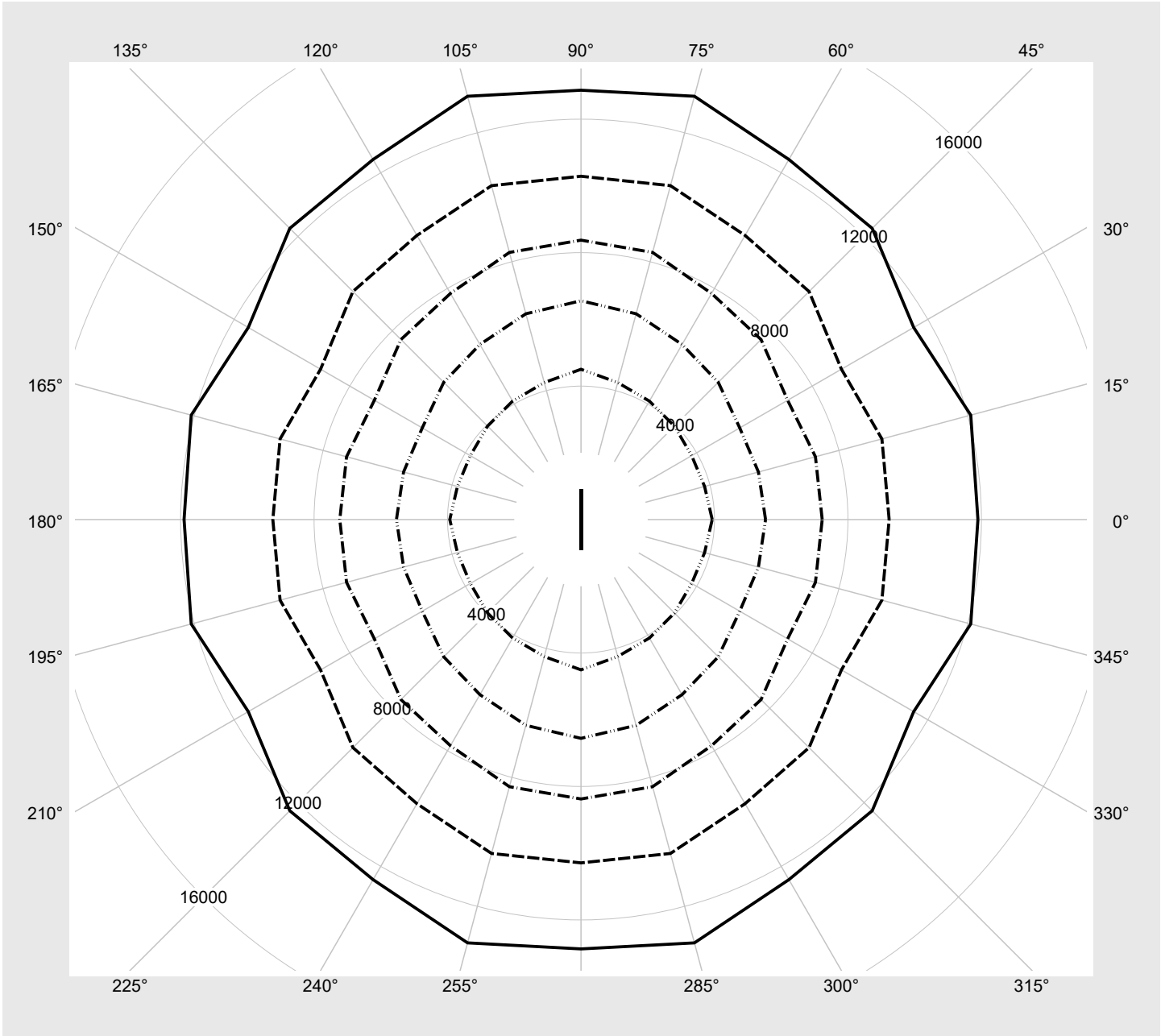
| UGR-Table       |     | Standard room       |      |      |      |      |                    |      |      |      |      |
|-----------------|-----|---------------------|------|------|------|------|--------------------|------|------|------|------|
| Room dimensions |     | View crosswise (C0) |      |      |      |      | View endwise (C90) |      |      |      |      |
| x               | y   |                     |      |      |      |      |                    |      |      |      |      |
| 2H              | 2H  | 22.4                | 23.9 | 22.8 | 24.2 | 24.5 | 22.5               | 24.0 | 22.8 | 24.3 | 24.6 |
|                 | 3H  | 22.9                | 24.2 | 23.3 | 24.6 | 24.9 | 23.0               | 24.3 | 23.3 | 24.6 | 25.0 |
|                 | 4H  | 23.0                | 24.3 | 23.4 | 24.6 | 25.0 | 23.1               | 24.4 | 23.5 | 24.7 | 25.1 |
|                 | 6H  | 23.1                | 24.3 | 23.5 | 24.6 | 25.0 | 23.2               | 24.4 | 23.6 | 24.7 | 25.1 |
|                 | 8H  | 23.2                | 24.2 | 23.6 | 24.6 | 25.0 | 23.3               | 24.3 | 23.7 | 24.7 | 25.1 |
|                 | 12H | 23.2                | 24.2 | 23.6 | 24.6 | 25.0 | 23.3               | 24.3 | 23.7 | 24.6 | 25.1 |
| 4H              | 2H  | 22.7                | 23.9 | 23.1 | 24.3 | 24.6 | 22.7               | 24.0 | 23.1 | 24.3 | 24.7 |
|                 | 3H  | 23.3                | 24.3 | 23.7 | 24.7 | 25.1 | 23.3               | 24.4 | 23.8 | 24.8 | 25.2 |
|                 | 4H  | 23.5                | 24.4 | 23.9 | 24.8 | 25.2 | 23.6               | 24.5 | 24.0 | 24.9 | 25.3 |
|                 | 6H  | 23.6                | 24.4 | 24.1 | 24.9 | 25.3 | 23.7               | 24.5 | 24.2 | 25.0 | 25.4 |
|                 | 8H  | 23.7                | 24.4 | 24.1 | 24.8 | 25.3 | 23.8               | 24.5 | 24.2 | 24.9 | 25.4 |
|                 | 12H | 23.7                | 24.3 | 24.2 | 24.8 | 25.3 | 23.8               | 24.4 | 24.3 | 24.9 | 25.4 |
| 8H              | 4H  | 23.5                | 24.3 | 24.0 | 24.7 | 25.2 | 23.6               | 24.4 | 24.1 | 24.8 | 25.3 |
|                 | 6H  | 23.7                | 24.3 | 24.2 | 24.8 | 25.3 | 23.8               | 24.4 | 24.3 | 24.9 | 25.4 |
|                 | 8H  | 23.8                | 24.3 | 24.3 | 24.8 | 25.3 | 23.9               | 24.4 | 24.4 | 24.9 | 25.4 |
|                 | 12H | 23.9                | 24.3 | 24.4 | 24.8 | 25.3 | 23.9               | 24.4 | 24.5 | 24.9 | 25.4 |
| 12H             | 4H  | 23.6                | 24.2 | 24.0 | 24.6 | 25.1 | 23.6               | 24.3 | 24.1 | 24.7 | 25.2 |
|                 | 6H  | 23.8                | 24.3 | 24.3 | 24.7 | 25.3 | 23.9               | 24.4 | 24.4 | 24.8 | 25.4 |
|                 | 8H  | 23.8                | 24.3 | 24.3 | 24.8 | 25.3 | 23.9               | 24.4 | 24.4 | 24.9 | 25.4 |

| Luminance table |          | Max. for $\gamma \geq 65^\circ$ |                             | Photometric dimensions in mm: |                             | L = 1433                    | H(C0) = 5   | H(C180) = 5 |
|-----------------|----------|---------------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-------------|-------------|
|                 |          |                                 |                             |                               |                             | B = 61                      | H(C90) = 5  | H(C270) = 5 |
| C-planes        | $\gamma$ | 15°<br>165°<br>195°<br>345°     | 30°<br>150°<br>210°<br>330° | 45°<br>135°<br>225°<br>315°   | 60°<br>120°<br>240°<br>300° | 75°<br>105°<br>255°<br>285° | 90°<br>270° |             |
|                 |          | Luminance in cd/m <sup>2</sup>  |                             |                               |                             |                             |             |             |
| 45°             |          | 32024.9                         | 31309.0                     | 32736.9                       | 31487.4                     | 32412.3                     | 32229.2     | 34811.5     |
| 50°             |          | 26125.2                         | 25648.4                     | 25857.9                       | 25732.7                     | 26420.6                     | 26617.8     | 27956.6     |
| 55°             |          | 20508.7                         | 20459.1                     | 19495.6                       | 20555.2                     | 20842.9                     | 21381.5     | 21039.2     |
| 60°             |          | 15603.7                         | 15793.1                     | 14892.7                       | 15920.8                     | 16093.0                     | 16730.2     | 16297.6     |
| 65°             |          | 11896.3                         | 12093.3                     | 11513.8                       | 12343.3                     | 12462.0                     | 13135.3     | 12868.8     |
| 70°             |          | 9235.7                          | 9336.6                      | 9013.3                        | 9667.2                      | 9834.0                      | 10360.7     | 10290.0     |
| 75°             |          | 7228.9                          | 7274.3                      | 7151.2                        | 7631.4                      | 7826.1                      | 8289.5      | 8374.5      |
| 80°             |          | 5531.1                          | 5505.4                      | 5494.0                        | 5817.9                      | 6059.4                      | 6384.9      | 6557.8      |
| 85°             |          | 3932.7                          | 3834.6                      | 3830.4                        | 3960.4                      | 4099.7                      | 4251.3      | 4504.3      |

**Photometric test report**

|                                   |   |                                      |
|-----------------------------------|---|--------------------------------------|
| <b>Family</b><br>Trunking Flex 31 | <b>Order number: 51RF12DB49XG52C</b><br><b>EAN: 4069025560070</b> | <b>LP number</b><br><b>59302_343</b> |
|-----------------------------------|---|--------------------------------------|

**Luminance values in cd/m<sup>2</sup>**     γ 65°   γ 70°   γ 75°   γ 80°   γ 85°     **siteco**



## Photometric test report

|                                   |   |                               |
|-----------------------------------|---|-------------------------------|
| Family<br><b>Trunking Flex 31</b> | Order number: <b>51RF12DB49XG52C</b><br>EAN: <b>4069025560070</b> | LP number<br><b>59302_343</b> |
|-----------------------------------|---|-------------------------------|

|                             |                                 |               |
|-----------------------------|---------------------------------|---------------|
| <b>Dimming levels table</b> | environmental temperature: 25°C | <b>sITeco</b> |
|-----------------------------|---------------------------------|---------------|

| Luminous flux % | Dimming level linear | Dimming level logarithmic | Luminous flux [lm] | Power consumption [W] |
|-----------------|----------------------|---------------------------|--------------------|-----------------------|
| 100             | 254                  | 254                       | 9000               | 52.1                  |
| 95              | 241                  | 252                       | 8566               | 49.6                  |
| 90              | 227                  | 250                       | 8091               | 47.0                  |
| 85              | 214                  | 248                       | 7649               | 44.5                  |
| 80              | 201                  | 245                       | 7205               | 42.1                  |
| 75              | 188                  | 243                       | 6756               | 39.6                  |
| 70              | 175                  | 240                       | 6304               | 37.1                  |
| 65              | 162                  | 238                       | 5852               | 34.8                  |
| 60              | 149                  | 234                       | 5394               | 32.5                  |
| 55              | 136                  | 231                       | 4933               | 30.2                  |
| 50              | 124                  | 228                       | 4509               | 28.0                  |
| 45              | 111                  | 224                       | 4044               | 25.5                  |
| 40              | 99                   | 219                       | 3612               | 23.2                  |
| 35              | 86                   | 214                       | 3144               | 20.8                  |
| 30              | 74                   | 209                       | 2708               | 18.5                  |
| 25              | 61                   | 202                       | 2234               | 15.9                  |
| 20              | 49                   | 194                       | 1797               | 13.6                  |
| 15              | 37                   | 183                       | 1355               | 11.2                  |
| 10              | 25                   | 169                       | 911                | 9.0                   |
| 5               | 13                   | 145                       | 467                | 6.8                   |
| 3               | 7                    | 122                       | 244                | 5.8                   |