

**QUALITYFLEX Protection Horizon Segment LED flex lighting 125 mm, CRI > 80, 15 W / m, IP67**  
Article no. 76602002

Light.  
For Generations.



#### Tender

Segment LED flex lighting 125 mm, CRI > 80, 15 W / m, IP67, rgbw, 2.700K, CRI > 80. LED flex lighting for Length: 10000.0 mm Lamp power per meter: 15.0 W/m, Luminous flux per meter: 122.0 lm/m, Degree of protection: IP67, Protection class: III, Voltage: 24V , Beam angle: 120.0 °, 96 LEDs per meter, Chip distance (Short Pitch) : 10,42mm. For individual application, the LED flex board can be used all 125 mm be cut back. If the LED flex board is shortened, the IP protection must be restored by the customer. The maximum system length of 10.000mm must not be exceeded with one feed-in.

#### Product Benefits

- Suitable for indoor and outdoor use (IP67).
- Divisible every 50 mm (IP65 protection).
- Ideal for terraces, facades and pool areas.
- Light color: red / green / blue / white / (Color temperature: 2700 K, CRI > 80)
- Lifetime L80/B10: 36,000 hours.
- Easy installation with matching aluminum profiles or mounting clips.
- Dimmable with appropriate accessories.

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| Article data                  |  |
|-------------------------------|--|
| Article no.                   | 76602002   |
| GTIN                          | 4251433971337  |
| Series name                   | QUALITYFLEX Protection Horizon                             |
| Short description             | Segment LED flex lighting 125 mm, CRI > 80, 15 W / m, IP67 |
| Colour                        | RGBW   |
| Length                        | 10,000 mm  |
| Width                         | 12 mm  |
| Hight                         | 20 mm  |
| Scope of delivery             | incl. 1 x mounting instructions, 5 x identification labels |
| Weight                        | 0.028 kg   |
| Length of the connection line | 1,000 mm   |

| Lighting technology     |          |
|-------------------------|----------|
| Colour temperature      | RGBW     |
| Light colour            | White    |
| Luminous flux per meter | 122 lm/m |
| Lichtstrom rot          | 36 lm    |
| Lichtstrom grün         | 107 lm   |
| Lichtstrom blau         | 34 lm    |
| Colour rendering        | CRI > 80 |
| Beam angle              | 120°     |

| Operating technology of the luminaire |  |
|---------------------------------------|--|
| Lamp power per meter                  | 15 W/m   |
| Voltage type                          | DC   |
| DC nominal voltage max                | 24 V   |
| Lamp                                  | LED  |
| Protection class                      | III  |
| Degree of protection                  | IP67   |
| Ambient temperature                   | -20 °C up to +40 °C  |
| Dimmable                              | Yes  |
| Wire number                           | 5  |
| Control                               | Dimming depending on driver  |
| Length of the connection line         | 1,000 mm   |
| Kabelbelegung                         | black ( + )<br>white ( - )<br>blue ( - )<br>green ( - )<br>red ( - ) |
| Design of the connecting cable        | one-sided  |
| Bulb change possible                  | No   |
| Rated life time L70/B50 at 25 °C      | 54000 h  |
| Energieeffizienzklasse                | F  |

| Operating technology of QualityFlex |                     |
|-------------------------------------|---------------------|
| Short Pitch                         | 10.42 mm            |
| Number of lamps per meter           | 96 Qty              |
| Length of individual sections       | 125 mm              |
| Smallest bend radius                | 120 mm              |
| Length                              | 10,000 mm           |
| Maximum module length               | 10,000 mm           |
| Circuit type                        | Parallel conduction |
| LED Type                            | 5050 LED            |

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| Packing data            |  |
|-------------------------|--|
| Gross weight            | 0.032 kg   |
| Length of packaging     | 490 mm   |
| Packaging width         | 440 mm   |
| Packaging height        | 40 mm  |
| Disposal at end of life | <p>This product must not be disposed of with household waste. You are obliged, to dispose of such electrical waste separately.</p> <p>By disposing of electrical waste and other old or defective electronics separately, you support recycling or other forms of re-use. In that way you help to take care and to avoid that harmful substances get into the environment.</p> |

| Compatible Driver |           |       |                     |        |       |       |
|-------------------|-----------|-------|---------------------|--------|-------|-------|
| Article no.       | Power min | Power | Control             | Length | Width | Hight |
| 17206000          | 1 W       | 20 W  | 1-10 V              | 146 mm | 55 mm | 19 mm |
| 17207000          | 1 W       | 30 W  | on/off              | 160 mm | 50 mm | 22 mm |
| 17214000          | 1 W       | 7.2 W | on/off              | 68 mm  | 35 mm | 21 mm |
| 17223000          | 1 W       | 75 W  | on/off              | 185 mm | 60 mm | 31 mm |
| 17224000          | 1 W       | 100 W | on/off              | 199 mm | 63 mm | 36 mm |
| 17225000          | 1 W       | 150 W | on/off              | 219 mm | 63 mm | 36 mm |
| 17226000          | 1 W       | 240 W | on/off              | 244 mm | 71 mm | 38 mm |
| 17230000          |           |       | Trailing-edge phase |        |       |       |
| 17240000          |           |       | on/off              |        |       |       |

| Compatible Controller |           |       |                             |        |         |       |
|-----------------------|-----------|-------|-----------------------------|--------|---------|-------|
| Article no.           | Power min | Power | Control                     | Length | Width   | Hight |
| 18151000              | 24 W      | 240 W | KNX                         | 170 mm | 59 mm   | 30 mm |
| 18152000              | 24 W      | 240 W | DALI                        | 170 mm | 59 mm   | 30 mm |
| 18153000              | 24 W      | 240 W | DMX                         | 170 mm | 59 mm   | 30 mm |
| 18154000              | 24 W      | 240 W | 1-10 V                      | 170 mm | 59 mm   | 30 mm |
| 18161000              | 24 W      | 240 W | KNX                         | 72 mm  | 90 mm   | 70 mm |
| 18162000              | 24 W      | 240 W | DALI                        | 54 mm  | 110 mm  | 66 mm |
| 18164000              | 24 W      | 240 W | 1-10 V                      | 54 mm  | 110 mm  | 66 mm |
| 18223000              | 0 W       | 240 W | Wireless technology control |        |         |       |
| 18157000              | 48 W      | 240 W | Zigbee                      | 145 mm | 46.5 mm | 16 mm |
| 18192000              | 120 W     | 240 W | Wireless technology control | 160 mm | 45 mm   | 18 mm |

| Compatible Profiles |                           |          |         |         |
|---------------------|---------------------------|----------|---------|---------|
|                     | Series name               | Length   | Width   | Hight   |
|                     | Profil Protection Horizon | 1,000 mm | 17.5 mm | 22.9 mm |
|                     | Profil Protection Horizon | 514 mm   | 13.5 mm | 18 mm   |