

Protect 2.0 - a all-round robust and vandal resistant IP65 LED fitting

Description

Protect 2.0 - a vandal resistant quality fitting in a circular shape made of high pressure die-cast aluminium, in natural alu. (unpainted) or powder painted, white RAL 9016, black RAL 9011. Corrosion class C5. Diffuser in UV- and vandal resistant polycarbonate. The front ring is fixed with 4 torx screws in stainless steel which are given a Delta seal treatment. DC driver giving a flicker-free light. IP65, IK10, class II, Radar, Twilight and DALI versions class I.

Application areas

P-house, facades, entrances, stairs, public conveniences, pedestrian areas and underpasses.

Mounting

Direct in ceiling or on wall. Pole version, see Arc. The fitting has the same mounting dimension (screw holes) as previous version.

Installation

The fitting is prepared for both open and hidden installation. Push in terminal block 3x2x2,5 mm², DALI versions 5x2x2,5 mm², all versions with through-wiring possibilities.

LED module

| | |
|--------------------|-----------------|
| Colour temperature | 3000K - 4000K |
| Effect fitting | 8W |
| Colour index | RA >70 |
| Colour tolerance | MacAdam 4 |
| Lifetime | L80B50 62.000 h |

Sensor

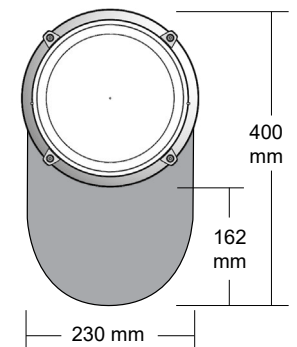
The sensibility is adjusted on the microwave sensor. Likewise, the hold time (exposure time after detected movement) might be adjusted (5 sec - 25 min). The sensor has also a setting for a Twilight function (2 - 30 lux). The Radar version can also be used as Master for other fittings. When all fittings are LED versions Master-Master or Master-Slave-Master can also be used.

Photo-cell

DIP switches on the Twilight Sensor makes it possible to set lux level according to the real application environment. Light keeps off if ambient daylight is sufficient (above the threshold preset). With insufficient natural light, light will automatically turn on.

LightAdjust

Fittings marked with "LightAdjust" are equipped with a setting which makes it possible to set the preferred light level in 8 steps. By delivery the fittings are set on the highest level.



House number plate



NB!
A microwave sensor detects all forms of movement, not only from peoples and animals. This means that the sensor might detect movements for instance from branches or leaves. Please allow for this when installing the fitting to avoid unwanted functions.

| DEFA no. | Product | Decor | Colour | Light source | | lm fitting | lm/W | Control | | Weight | |
|----------|----------------------|-------|--------|--------------|-------|------------|------|-------------|-------------|--------|--------|
| 122820 | Protect 2.0 | Ring | White | 8W | 3000K | 647 | 90 | LightAdjust | | cl II | 1,1 kg |
| 122821 | Protect 2.0 | Ring | Black | 8W | 3000K | 647 | 90 | LightAdjust | | cl II | 1,1 kg |
| 122822 | Protect 2.0 | Ring | Alu | 8W | 3000K | 582 | 80 | LightAdjust | | cl II | 1,1 kg |
| 122829 | Protect 2.0 | Ring | White | 8W | 4000K | 689 | 93 | LightAdjust | | cl II | 1,1 kg |
| 122830 | Protect 2.0 | Ring | Black | 8W | 4000K | 689 | 93 | LightAdjust | | cl II | 1,1 kg |
| 122831 | Protect 2.0 | Ring | Alu | 8W | 4000K | 620 | 85 | LightAdjust | | cl II | 1,1 kg |
| 122838 | Protect 2.0 Radar | Ring | White | 8W | 3000K | 647 | 90 | Sensor | LightAdjust | cl I | 1,2 kg |
| 122839 | Protect 2.0 Radar | Ring | Black | 8W | 3000K | 647 | 90 | Sensor | LightAdjust | cl I | 1,2 kg |
| 122840 | Protect 2.0 Radar | Ring | Alu | 8W | 3000K | 582 | 80 | Sensor | LightAdjust | cl I | 1,2 kg |
| 122847 | Protect 2.0 Radar | Ring | White | 8W | 4000K | 689 | 93 | Sensor | LightAdjust | cl I | 1,2 kg |
| 122848 | Protect 2.0 Radar | Ring | Black | 8W | 4000K | 689 | 93 | Sensor | LightAdjust | cl I | 1,2 kg |
| 122849 | Protect 2.0 Radar | Ring | Alu | 8W | 4000K | 620 | 85 | Sensor | LightAdjust | cl I | 1,2 kg |
| 122856 | Protect 2.0 Twilight | Ring | White | 8W | 3000K | 647 | 90 | Photo-cell | LightAdjust | cl I | 1,2 kg |
| 122857 | Protect 2.0 Twilight | Ring | Black | 8W | 3000K | 647 | 90 | Photo-cell | LightAdjust | cl I | 1,2 kg |
| 122858 | Protect 2.0 Twilight | Ring | Alu | 8W | 3000K | 582 | 80 | Photo-cell | LightAdjust | cl I | 1,2 kg |
| 122865 | Protect 2.0 Twilight | Ring | White | 8W | 4000K | 689 | 93 | Photo-cell | LightAdjust | cl I | 1,2 kg |
| 122866 | Protect 2.0 Twilight | Ring | Black | 8W | 4000K | 689 | 93 | Photo-cell | LightAdjust | cl I | 1,2 kg |
| 122867 | Protect 2.0 Twilight | Ring | Alu | 8W | 4000K | 620 | 85 | Photo-cell | LightAdjust | cl I | 1,2 kg |
| 122874 | Protect 2.0 | Ring | White | 8W | 3000K | 647 | 90 | DALI | | cl I | 1,1 kg |
| 122875 | Protect 2.0 | Ring | Black | 8W | 3000K | 647 | 90 | DALI | | cl I | 1,1 kg |
| 122876 | Protect 2.0 | Ring | Alu | 8W | 3000K | 582 | 80 | DALI | | cl I | 1,1 kg |
| 122883 | Protect 2.0 | Ring | White | 8W | 4000K | 689 | 93 | DALI | | cl I | 1,1 kg |
| 122884 | Protect 2.0 | Ring | Black | 8W | 4000K | 689 | 93 | DALI | | cl I | 1,1 kg |
| 122885 | Protect 2.0 | Ring | Alu | 8W | 4000K | 620 | 85 | DALI | | cl I | 1,1 kg |

Accessories:

| | | |
|--------|--------------|-------|
| 105289 | Number plate | White |
| 111437 | Number plate | Black |

- DC Driver - flicker-free light
- IK 10 - vandal resistant
- Corrosion class C5 - very high corrosivity - for rough environments
- Low building height - many application areas both outdoor and indoor
- Easy mounting - same dimensions (screw holes) as previous version

| W | lumen out | | | 1 | 2 | 3 | ● ↑ ⌞ ⌞ ⌞ ↓ ○ |
|-----|-----------|-------|---|---|---|----------------------------|---------------------------------|
| | 3000K | 4000K | | | | | |
| 7,9 | 647 | 689 | ● | ● | ● | ↑ ⌞ ⌞ ⌞ ↓ ○ | |
| 7,3 | 560 | 617 | ● | ● | ○ | | |
| 6,7 | 513 | 546 | ● | ○ | ● | | |
| 6,1 | 447 | 476 | ● | ○ | ○ | | |
| 5,1 | 380 | 404 | ○ | ● | ● | | |
| 4,4 | 314 | 334 | ○ | ● | ○ | | |
| 3,8 | 249 | 266 | ○ | ○ | ● | | |
| 3,0 | 185 | 197 | ○ | ○ | ○ | | |

LightAdjust - adjustable light

Fittings marked with "LightAdjust" are equipped with a setting which makes it possible to set the preferred light level in 8 steps. By delivery the fittings are set on the highest level.

