

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 (after 1998).

### Installation

The fitting is prepared for both open and hidden installation. Push in terminal block 3x2x2,5 mm<sup>2</sup>, DALI versions 5x2x2,5 mm<sup>2</sup>, all versions with through-wiring possibilities.

### Fittings (pcs) each circuit

	10-B	10-C	16-B	16-C
8W	29	47	46	78
8W DALI	82	135	130	220



### LED module

Colour temp.	3000K - 4000K
Effect fitting	8W
Colour index	RA >70
Colour tolerance	MacAdam 4
Lifetime - hours Ta 25°C	
DALI	L80B10 100.000 - Driver 100.000
OnOff	L80B10 100.000 - Driver 62.000

### Sensor (Radar)

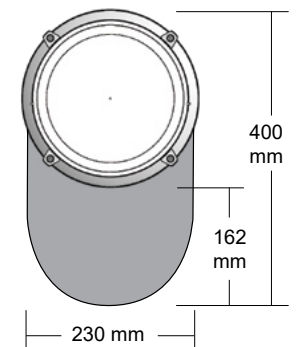
The sensibility is adjusted on the microwave sensor. Likewise, the hold time (exposure time after detected movement) might be adjusted (5 sec - 25 min). The sensor has also a setting for a Twilight function (2 - 30 lux). The Radar version can also be used as Master for other fittings. When all fittings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

### Photo-cell (Twilight)

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.



House number plate

### NB!

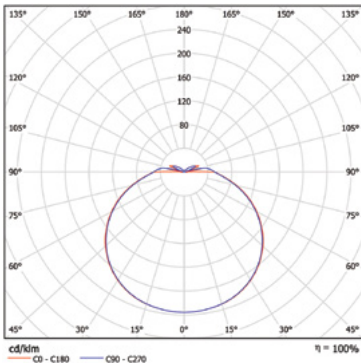
A microwave sensor detects all forms of movement, not only from peoples and animals. This means that the sensor might detect movements for instance from branches or leaves. Please allow for this when installing the fitting to avoid unwanted functions.

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 </td <td>1,2 kg</td>	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

\*System effect fitting = 7,3W

Accessories:

105289	Number plate	White
111437	Number plate	Black



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.

