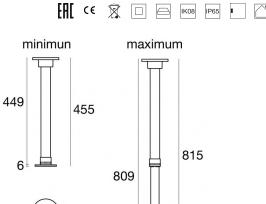




Installation position Installation position Installation environment Installation environment Outdoor Light Source Circuit structure Optics Asymmetric 360° Asymmetric 360° Asymmetric 360° Asymmetric 360° Installation downward Asymmetric 360° Asymm	Technical data	
Installation environment Light Source LED Circuit structure Optics Asymmetric 360° Light emission direction Nominal power Total Power Source lumens Nominal input voltage 1060 lm Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class IP IP65 IK IK08 Glow wire test Direct mounting on normally flammable surfaces CE Yes Direct mounting on normally flammable surfaces CE Yes Direct mounting on normally flammable surfaces CE Yes Directonal No Tilting No Walk-over No Cable included No Type of light emission Redial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Туре	Bollard
Light Source Circuit structure Optics Asymmetric 360° Light emission direction Nominal power 6.8 W DC Total Power 8.2 W Source lumens 1060 Im Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class IP IP65 IK IK08 Glow wire test Direct mounting on normally flammable surfaces CE Yes Directional No Tilting No Walk-over No Cable included No Type of light emission Net weight I.1 Kg Electrostatic discharge protection Yes Electrostatic discharge protection Asymmetric 360° Act	Installation position	Wall lights
Circuit structure arrayLED Optics Asymmetric 360° Light emission direction downward Nominal power 6.8 W DC Total Power 8.2 W Source lumens 1060 Im Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IKO8 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Direct mounting on normally flammable surfaces Yes CE Yes Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Installation environment	Outdoor
Optics Asymmetric 360° Light emission direction downward Nominal power 6.8 W DC Total Power 8.2 W Source lumens 1060 Im Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Direct mounting on normally flammable surfaces No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Light Source	LED
Light emission direction Nominal power Total Power Source lumens Nominal input voltage Input voltage range Input voltage range Frequency CCT / Tone Colour rendering index C.C. / C.V. Safety class IP IP65 IK IK08 Glow wire test Direct mounting on normally flammable surfaces CE Driver included Directional No Tilting No Walk-over Drive-over Cable included No Radial diffusion Net weight Inocure devented in downward Ac Mown and Development	Circuit structure	arrayLED
Nominal power 6.8 W DC Total Power 8.2 W Source lumens 1060 lm Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Optics	Asymmetric 360°
Total Power 8.2 W Source lumens 1060 lm Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Directional No Directional No Driver-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Light emission direction	downward
Source lumens 1060 lm Nominal input voltage 220 - 240 V AC Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Nominal power	6.8 W DC
Nominal input voltage 220 - 240 V AC	Total Power	8.2 W
Input voltage range 198 - 264 V AC Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Source lumens	1060 lm
Frequency 50 - 60 Hz CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Nominal input voltage	220 - 240 V AC
CCT / Tone 2700 K Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Input voltage range	198 - 264 V AC
Colour rendering index 80 Ra C.C. / C.V. AC Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Frequency	50 - 60 Hz
C.C. / C.V. Safety class 2 IP	CCT / Tone	2700 K
Safety class 2 IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Colour rendering index	80 Ra
IP IP65 IK IK08 Glow wire test 850° Direct mounting on normally flammable surfaces Yes Direct mounting on normally flammable surfaces Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	C.C. / C.V.	AC
IKO8 Glow wire test B50° Direct mounting on normally flammable surfaces CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Type of light emission Net weight Electrostatic discharge protection IKO8 IKO8 IKO8 IKO8 IKO8 IKO8 IKO8 IKO	Safety class	2
Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	IP	IP65
Direct mounting on normally flammable surfaces CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting Type of light emission Net weight L1 Kg Electrostatic discharge protection Yes	IK	IK08
CE Yes Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Glow wire test	850°
Driver included Driver Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Direct mounting on normally flammable surfaces	Yes
Dimmable article No Directional No Tilting No Walk-over No Drive-over No Cable included Resin potting Type of light emission Net weight 1.1 Kg Electrostatic discharge protection	CE	Yes
Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Driver included	Driver
Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Dimmable article	No
Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Directional	No
Drive-over No Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Tilting	No
Cable included No Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Walk-over	No
Resin potting No Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Drive-over	No
Type of light emission Radial diffusion Net weight 1.1 Kg Electrostatic discharge protection Yes	Cable included	No
Net weight 1.1 Kg Electrostatic discharge protection Yes	Resin potting	No
Electrostatic discharge protection Yes	Type of light emission	Radial diffusion
	Net weight	1.1 Kg
Surge protection 2 KV	Electrostatic discharge protection	Yes
	Surge protection	2 KV



Finishing casing	
Material	Die-cast Aluminium EN AB - 46100
Colour	Dark brown
Processing	Open pore anodizing + Powder Coating

Finishing diffu	iser
Material	UV Resistant Polycarbonate
Colour	transparent

Finishing mounting frame		
Material UV Resistant Polycarbonate		
Colour	Dark brown	
Processing	Liquid painting	
Finishing base		

Material	Die-cast Aluminium EN AB - 46100
Colour	Dark brown
Processing	Open pore anodizing + Powder Coating



Bollard & Pole | 198-264 V | 1 array LED 6.8 W DC - 8.2 W AC | CRI 80 | Base $\bf 84190M00$

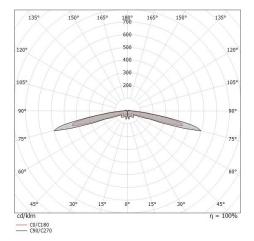
Radial diffusion bollard & pole for outdoor application. The super warm white LED light source with a asymmetric 360° light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1060 lm, with a 155.9 lm/W nominal luminous efficacy.

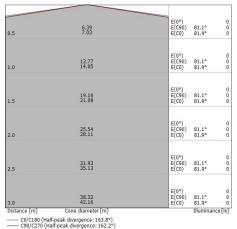
The device body is made of die-cast aluminium en ab - 46100 and features a dark brown finish, processed by means of open pore anodizing + powder coating; the diffuser is made of uv resistant polycarbonate; the mounting frame is made of uv resistant polycarbonate, with a dark brown finish, processed by means of liquid painting. The ingress protection degree is IP65; the total weight is of 1.1 kg.

The total absorbed power is 8.2 W.

The device features protection class II and can be wall lights-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.





Energy efficiency class

This product contains a light source of energy efficiency class E.

Illuminotechnical Features	
Light Output Ratio (LOR)	6 %
Source lumens	1060 lm
Delivered lumens	69 lm
Consumption	8.2 W
Luminaire efficacy	8 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR	
UGR axial	31.5
UGR transversal	31.4
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	162°
Light distribution simmetry	Symmetrical



Bollard & Pole | 198-264 V | 1 arrayLED 6.8 W DC - 8.2 W AC | CRI 80 | Base $\bf 84190M00$

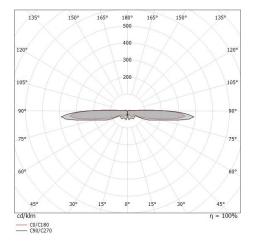
Radial diffusion bollard & pole for outdoor application. The super warm white LED light source with a asymmetric 360° light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 1060 lm, with a 155.9 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a dark brown finish, processed by means of open pore anodizing + powder coating; the diffuser is made of uv resistant polycarbonate; the mounting frame is made of uv resistant polycarbonate, with a dark brown finish, processed by means of liquid painting. The ingress protection degree is IP65; the total weight is of 1.1 kg.

The total absorbed power is 8.2 W.

The device features protection class II and can be wall lights-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.



Energy efficiency class

This product contains a light source of energy efficiency class E.

Illuminotechnical Features	
Light Output Ratio (LOR)	37 %
Source lumens	1060 lm
Delivered lumens	397 lm
Consumption	8.2 W
Luminaire efficacy	48 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR	
UGR axial	35.1
UGR transversal	35.1
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	180°
Light distribution simmetry	Symmetrical



Nail telescopic | Bollard & Pole | Accessories 84190M00





Fixing tie rods Material:AISI 304 steel, colour:steel. Code

83158