Bond_Pro

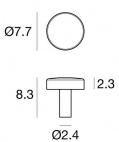
Project: Type:



Bollard & Pole | 120-277 V | topLED 10.8 W | CRI 80 | 3000K | General Lighting | Embossed black RAL 9005 | Wet location | 120V/277V

+ 0-10V interface LL-E81098-W-00





Type Embossed black RAL 9005 Installation position Floor Installation environment Outdoor Light Source LED Optics General Lighting Light emission direction downward Power 10.8 W Operation 1200/277V + 0-10V interface Source lumens 1350 Im Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IKO7 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Net weight 2.8 lbs Electrostatic discharge protection Yes Surge protection I Yes Surge protection Yes			
Installation position Floor Installation position Floor Installation environment Outdoor Light Source LED Optics General Lighting Light emission direction downward Power 10.8 W Operation 120V/277V + 0-10V interface Source lumens 1350 Im Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes ETL Yes ETL Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Cable included No Cable included No Type of light emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Technical data		
Installation environment Light Source Ditics General Lighting Light emission direction Power 10.8 W Operation 120V/277V + 0-10V interface Source lumens 1350 Im Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IKO7 Glow wire test Direct mounting on normally flammable surfaces CE Yes ETL Yes Driver included Integral driver Dimmable article D-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Net weight LED Odutoor LED Outdoor Lighting No Outdoor Lighting No Outdoor LogNumerfaces Frequency LogNumerfaces LED Outdoor Lighting No No No No No Single emission Net weight 2.8 lbs Electrostatic discharge protection	Туре		
Light Source LED Optics General Lighting Light emission direction downward Power 10.8 W Operation 120V/277V + 0-10V interface Source lumens 1350 Im Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Installation position	Floor	
Optics General Lighting Light emission direction downward Power 10.8 W Operation 120V/277V + 0-10V interface Source lumens 1350 Im Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Orive-over No Cable included No Resin potting No Type of light emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Installation environment	Outdoor	
Light emission direction downward Power 10.8 W Operation 120V/277V + 0-10V interface Source lumens 1350 lm Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Titting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Light Source	LED	
Power 10.8 W Operation 120V/277V + 0-10V interface Source lumens 1350 lm Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Optics	General Lighting	
Operation 120V/277V + 0-10V interface Source lumens 1350 lm Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes ETL Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Light emission direction	downward	
Operation 0-10V interface Source lumens 1350 lm Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Power	10.8 W	
Frequency 50 - 60 Hz CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Titting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Operation		
CCT 3000 K Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Source lumens	1350 lm	
Color rendering index 80 Ra Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Frequency	50 - 60 Hz	
Safety class Class 2 IP IP65 IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	ССТ	3000 K	
IP	Color rendering index	80 Ra	
IK IK07 Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Safety class	Class 2	
Glow wire test 650° Direct mounting on normally flammable surfaces Yes CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	IP	IP65	
Direct mounting on normally flammable surfaces CE Yes ETL Yes Driver included Integral driver Dimmable article O-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Net weight Electrostatic discharge protection Yes	IK	IK07	
CE Yes ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Glow wire test	650°	
ETL Yes Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Direct mounting on normally flammable surfaces	Yes	
Driver included Integral driver Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	CE	Yes	
Dimmable article 0-10V Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	ETL	Yes	
Directional No Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Driver included	Integral driver	
Tilting No Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Dimmable article	0-10V	
Walk-over No Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Directional	No	
Drive-over No Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Tilting	No	
Cable included No Resin potting No Type of light emission Single emission Net weight 2.8 lbs Electrostatic discharge protection Yes	Walk-over	No	
Resin potting No Type of light emission Net weight Electrostatic discharge protection No No No Single emission 2.8 lbs Electrostatic discharge protection Yes	Drive-over	No	
Type of light emission Net weight Electrostatic discharge protection Single emission 2.8 lbs Yes	Cable included	No	
Net weight 2.8 lbs Electrostatic discharge protection Yes	Resin potting	No	
Electrostatic discharge protection Yes	Type of light emission	Single emission	
	Net weight	2.8 lbs	
Surge protection Yes	Electrostatic discharge protection	Yes	
	Surge protection	Yes	

Material	Iron
Color	Embossed black RAL 9005
Process	Powder coating
Finishing diffu	ıser
Material	PE
Color	neutral
Finishing mou	inting frame
Material	Iron
Color	Embossed black RAL 9005
Process	Powder coating

Bond Pro



Bollard & Pole | 120-277 V | topLED 10.8 W | CRI 80 | 3000K | General Lighting | Embossed black RAL 9005 | Wet location | 120V/277V + 0-10V interface | Base **LL-E81098-W-00**

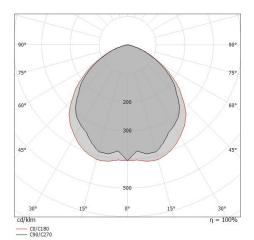
Single emission bollard & pole for outdoor application. The warm white LED light source with a general lighting light distribution is composed of 18 topled LEDs with CCT of 3000 K and a CRI 80; the source luminous flux is 1350 lm, with a 125.0 lm/W nominal luminous efficacy.

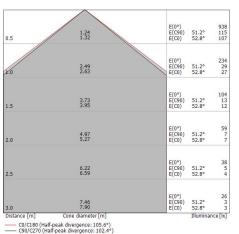
The device body is made of iron and features a embossed black ral 9005 finish, processed by means of coating; the diffuser is made of pe; the mounting frame is made of iron, with a embossed black ral 9005 finish, processed by means of coating. The ingress protection degree is IP65; the total weight is of 2.8 lbs.

The total absorbed power is W.

and can be floor-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.

Led features	
Light Output Ratio (LOR)	42 %
Source lumens	1350 lm
Delivered lumens	580 lm
Power	12 W
Luminaire efficacy	48 lm/W
Color temperature	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Color rendering index	80 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25
LED Life / Failure Ratio	
L70 B20 C0 72500h	

UGR	
UGR axial	17.2
UGR transversal	17.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
Light distribution symmetry	Symmetrical 2
C0/C180 optics	106°
C90/C270 optics	102°

Bond_Pro



Bond_Pro | Bollard & Pole | Accessories LL-E81098-W-00



Anchor

installation position: land,Cover material: pc

Code

E14931