



BITTA

BOLLARD



**5 YEAR
WARRANTY**

**LOW GLARE
LENS**

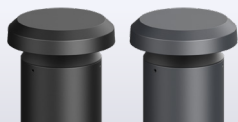


3 HEIGHTS

Available



>72,000hrs
Lifetime



COLOUR OPTIONS

Black & Graphite Grey

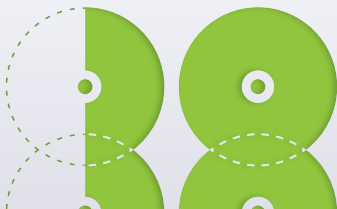


CCT

Selectable

OPTIC OPTIONS

180 or 360 degrees



WATTAGE

Selectable



**MOTION
SENSOR**

Option



Up to
**1,360LM
OUTPUT**

BITTA 180

EVOLVE
LIGHTING

PROFESSIONAL URBAN BOLLARD LIGHT



70lm/W
System Efficacy



5 Year
Warranty



IK09
Rated



IP66
Rated

- ✓ Excellent system efficacy of 70lm/W
- ✓ High quality Lumileds LED chips and Meanwell Driver
- ✓ Long lasting, >72,000 hours life to L80
- ✓ Wattage and CCT Selectable
- ✓ Strong base plate for secure installation
- ✓ Easy connectivity with the built in junction box
- ✓ Low glare design
- ✓ Dark Sky friendly at 3000K
- ✓ Hyper durable Interpon Fluorocarbon coating



CODE	SIZE	POWER	LUMEN OUTPUT @4000K	WEIGHT
BITTA900-15-834-G-180	900mm	8W/10W/15W	8W(560lm) 10W(757lm) 15W(1,056lm)	6.8kg
BITTA600-15-834-G-180	600mm	8W/10W/15W	8W(560lm) 10W(757lm) 15W(1,056lm)	5.3kg
BITTA350-10-834-G-180	350mm	8W/10W/15W	8W(560lm) 10W(757lm) 15W(1,056lm)	4.0kg

LIGHTING DATA

Light Source	Lumileds LED SMD
Lifetime @L90	40,000hrs
Lifetime @L80	>72,000hrs
CRI	>83
SDCM	<3
Beam Angle	180 degree

TECHNICAL DATA

IP Rating	IP66
IK Rating	IK10
Salt Spray Test	4000hrs
Operating Temp	-20° to +45°C
Protection Class	Class 1
Certifications	SAA, CE, RoHS
Warranty	5 Year product replacement

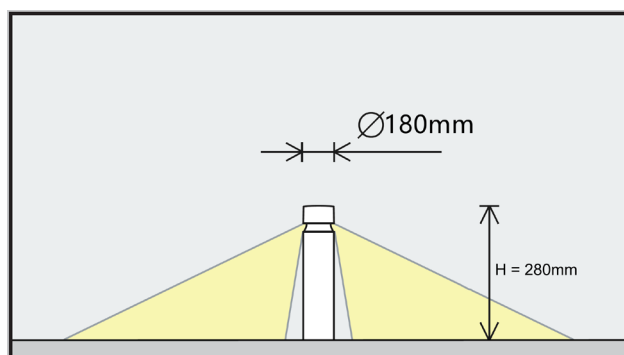
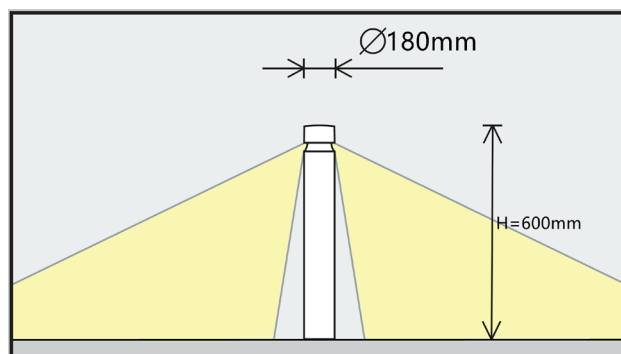
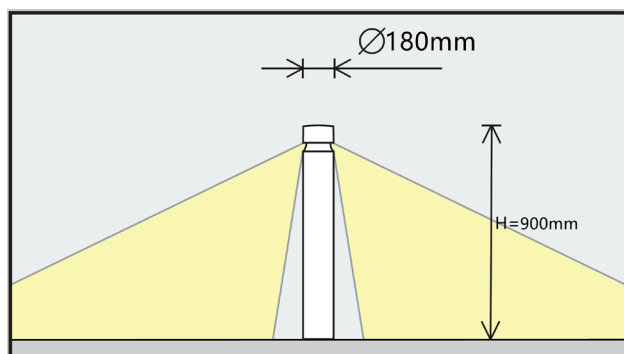
ELECTRICAL DATA

Power Supply	Mean Well Driver
Input Voltage	AC100-277V / 50-60 Hz
Inrush Current (at 230V/ AC Cold start)	15W: 50A (Max) 10W: 45A (Max)
Power Factor (Typ)	≥0.95
THD (Typ)	<10%
Surge Protection	10kV
Protections	SCP, OTP, OVP, OCP
Driver Lifetime	100,000hrs
Connection	Junction Box
Dimmable Options	Osram 4DIM (StepDIM, AstroDIM, MainsDIM, DALI)

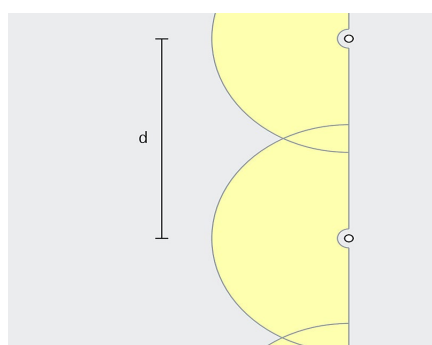
DESIGN / CONSTRUCTION

Body Material	Corrosion-resistant aluminium
Optics Material	Polycarbonate
Finish	- Pure Epoxy Primer - Interpon Fluorocarbon powdercoat (D3020)
Colour	Graphite Grey (RAL7024)

DIMENSIONS (MM)



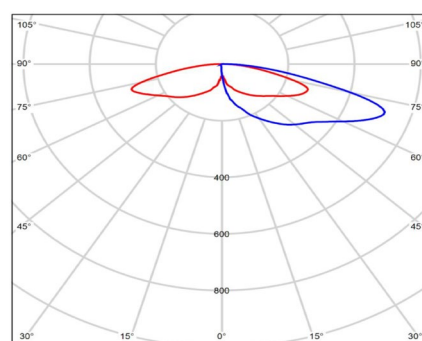
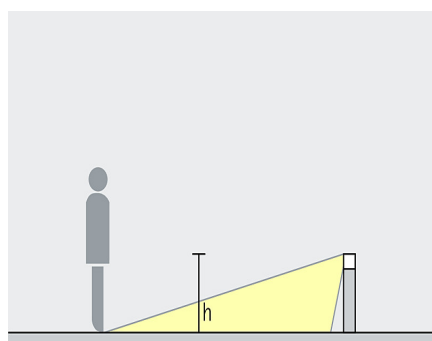
SPACINGS



Bitta bollard luminaires with 180° Asymmetric light distribution enable uniform path lighting.

The ideal spacing (d) between two luminaires (of height, $h = 900\text{ mm}$) is between 7m and 9m.

Ideal arrangement: $d \leq 7\text{m}$



BITTA 360

EVOLVE
LIGHTING

PROFESSIONAL URBAN BOLLARD LIGHT



78lm/W
System Efficacy



5 Year
Warranty



IK09
Rated



IP66
Rated

- ✓ Excellent system efficacy of 78lm/W
- ✓ High quality Lumileds LED chips and Meanwell Driver
- ✓ Long lasting, >72,000 hours life to L80
- ✓ Wattage and CCT Selectable
- ✓ Strong base plate for secure installation
- ✓ Easy connectivity with the built in junction box
- ✓ Low glare design
- ✓ Dark Sky friendly 3000K
- ✓ Hyper durable Interpon Fluorocarbon coating



CODE	SIZE	POWER	LUMEN OUTPUT @4000K	WEIGHT
BITTA900-15-834-G-360	900mm	8W/10W/15W	8W(744lm) 10W(933m) 15W(1,168lm)	6.8kg
BITTA600-15-834-G-360	600mm	8W/10W/15W	8W(744lm) 10W(933m) 15W(1,168lm)	5.3kg
BITTA350-10-834-G-360	350mm	8W/10W/15W	8W(744lm) 10W(933m) 15W(1,168lm)	4.0kg

LIGHTING DATA

Light Source	Lumileds LED SMD
Lifetime @L90	40,000hrs
Lifetime @L80	>72,000hrs
CRI	>83
SDCM	<3
Beam Angle	360 degree

TECHNICAL DATA

IP Rating	IP66
IK Rating	IK10
Salt Spray Test	4000hrs
Operating Temp	-20° to +45°C
Protection Class	Class 1
Certifications	SAA, CE, RoHS
Warranty	5 Year product replacement

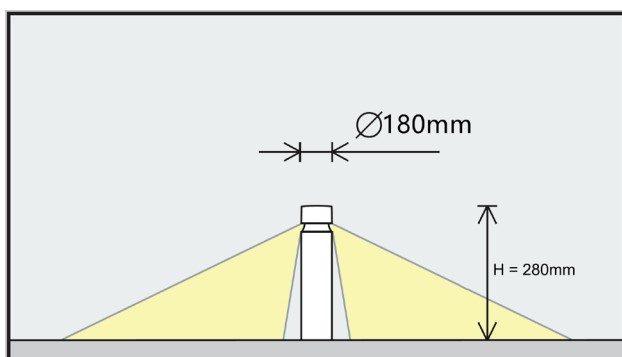
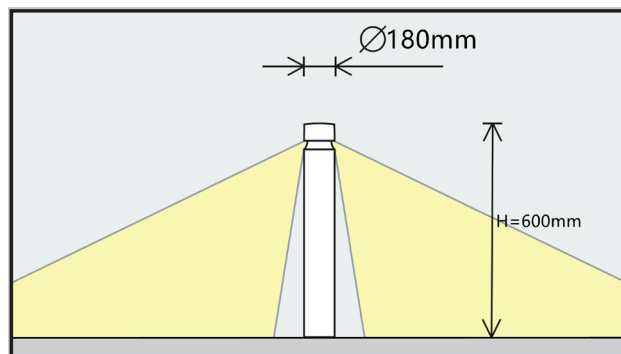
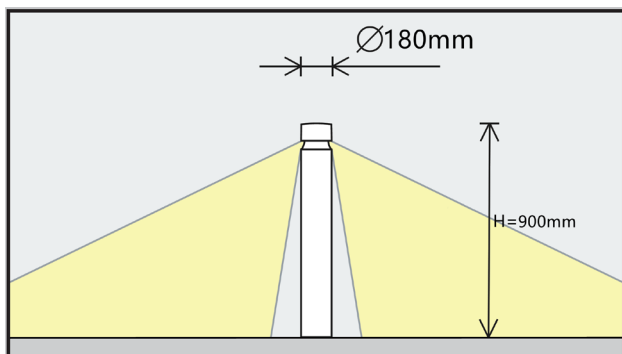
ELECTRICAL DATA

Power Supply	Mean Well Driver
Input Voltage	AC100-277V / 50-60 Hz
Inrush Current (at 230V/ AC Cold start)	15W: 50A (Max) 10W: 45A (Max)
Power Factor (Typ)	≥0.95
THD (Typ)	<10%
Surge Protection	10kV
Protections	SCP, OTP, OVP, OCP
Driver Lifetime	100,000hrs
Connection	Junction Box
Dimmable Options	Osram 4DIM (StepDIM, AstroDIM, MainsDIM, DALI)

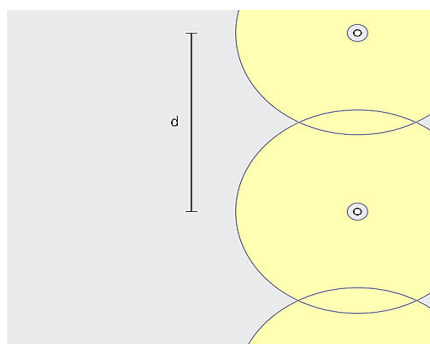
DESIGN / CONSTRUCTION

Body Material	Corrosion-resistant aluminium
Optics Material	Polycarbonate
Finish	- Pure Epoxy Primer - Interpon Fluorocarbon powdercoat (D3020)
Colour	Graphite Grey (RAL7024)

DIMENSIONS (MM)



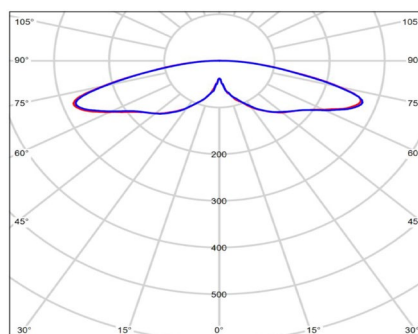
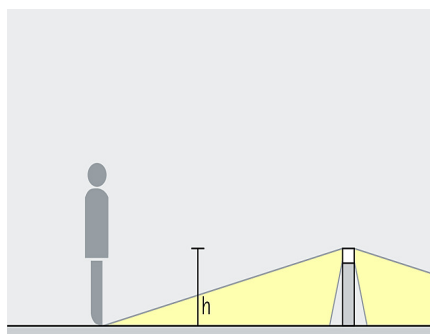
SPACINGS



The light distribution of the 360° Symmetric Bitta bollard luminaire lends itself to the uniform illumination of squares and open areas.

The ideal spacing (d) between two luminaires (of height, $h = 900\text{ mm}$) is between 8m and 10m.

Ideal arrangement: $d \leq 8\text{m}$



BITTA ACCESSORIES

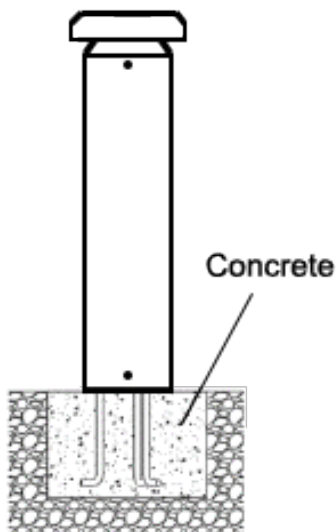
EVOLVE
LIGHTING

PROFESSIONAL URBAN BOLLARD LIGHT

Product Code BITTA-CA

Technical Data

Material	Mild Steel
Finish	
- Circular Plate	Powder-Coat
- Other components	Galvanised
Colour	
- Circular Plate	Black
- Other components	Silver



The concrete anchor provides extra strength and stability for the Bitta Bollard if/when required.

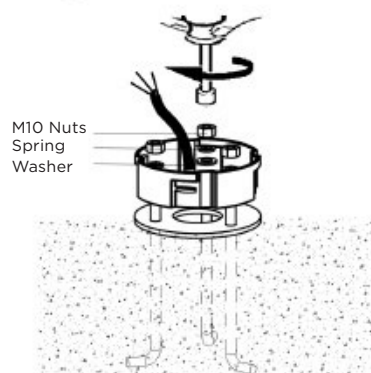
- ✓ The concrete anchor will need to be installed in plenty of time before the Bitta is installed, to allow time for the concrete to set.

Remove the base of the Bitta before installing the Bitta onto the concrete anchor.

When attaching the Bitta to the concrete anchor, ensure the arrow mark on the Bitta base plate is pointing towards the intended lighting direction.

- ✓ It is suggested to use anti-seize grease on the M10 nuts to help prevent potential removal problems.

1



2

