

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
- ✓ Strong base plate for secure installation
- ✓ Self cleaning design
- ✓ Easy connectivity with the built in junction box
- ✓ Low glare design
- ✓ Dark Sky friendly
- ✓ Dual AkzoNobel polyester coating for excellent weatherability



CODE	SIZE	POWER	LUMEN OUTPUT	EFFICACY	CCT	WEIGHT	STOCKED
BITTA900-15-840-G-180	900mm	15W	1,056lm	70lm/W	4000K	6.8kg	Yes
BITTA600-15-840-G-180	600mm	15W	1,056lm	70lm/W	4000K	5.3kg	No
BITTA280-10-840-G-180	280mm	10W	757lm	76lm/W	4000K	4.0kg	No
BITTA900-15-830-G-180	900mm	15W	987lm	66lm/W	3000K	6.8kg	Yes
BITTA600-15-830-G-180	600mm	15W	987lm	66lm/W	3000K	5.3kg	No
BITTA280-10-830-G-180	280mm	10W	708lm	71lm/W	3000K	4.0kg	No

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	1000hrs
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

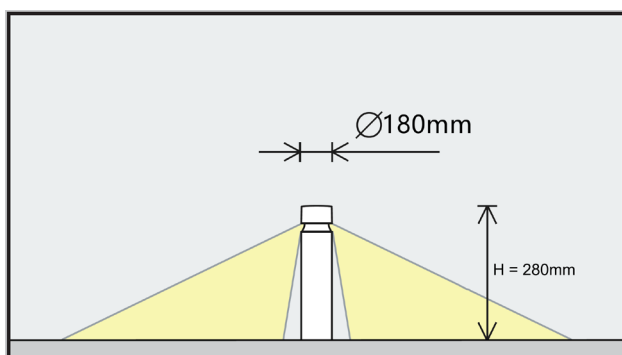
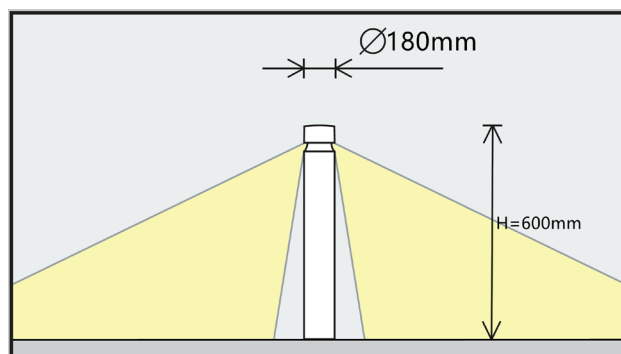
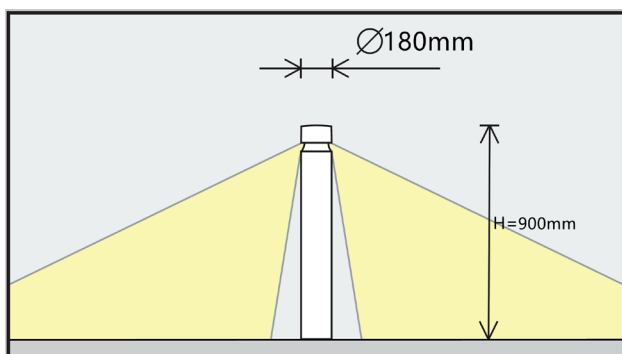
Body Material	Corrosion-resistant aluminium
Optics Material	Polycarbonate
Finish	Dual AkzoNobel Powder-Coat
Colour	Graphite Grey (RAL7024)
Mounting	Includes bolt assembly

BITTA 180

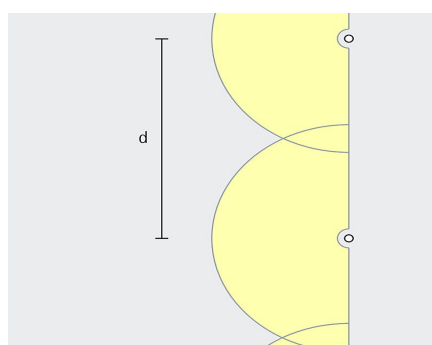
TECHNICAL DETAILS

EVOLVE
LIGHTING

DIMENSIONS (MM)



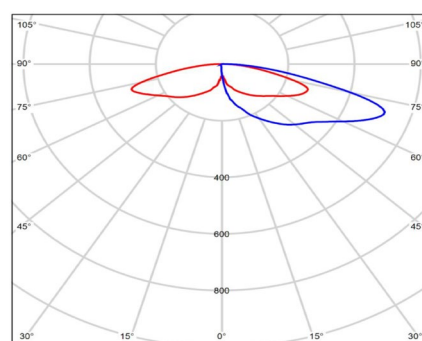
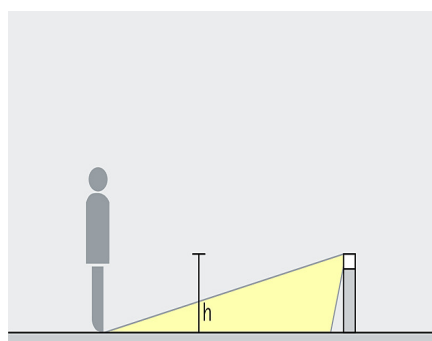
SPACINGS



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
- ✓ Strong base plate for secure installation
- ✓ Self cleaning design
- ✓ Easy connectivity with the built in junction box
- ✓ Low glare design
- ✓ Dark Sky friendly
- ✓ Dual AkzoNobel polyester coating for excellent weatherability



CODE	SIZE	POWER	LUMEN OUTPUT	EFFICACY	CCT	WEIGHT	STOCKED
BITTA900-15-840-G-360	900mm	15W	1,168lm	78lm/W	4000K	6.8kg	Yes
BITTA600-15-840-G-360	600mm	15W	1,168lm	78lm/W	4000K	5.3kg	No
BITTA280-10-840-G-360	280mm	10W	933lm	93lm/W	4000K	4.0kg	No
BITTA900-15-830-G-360	900mm	15W	1,092lm	73lm/W	3000K	6.8kg	Yes
BITTA600-15-830-G-360	600mm	15W	1,092lm	73lm/W	3000K	5.3kg	No
BITTA280-10-830-G-360	280mm	10W	873lm	87lm/W	3000K	4.0kg	No

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	1000hrs
Operating Temp	-20° to +45°C
Protection Class	Class 1
Certifications	SAA, CE, RoHS
Warranty	5 Year product replacement

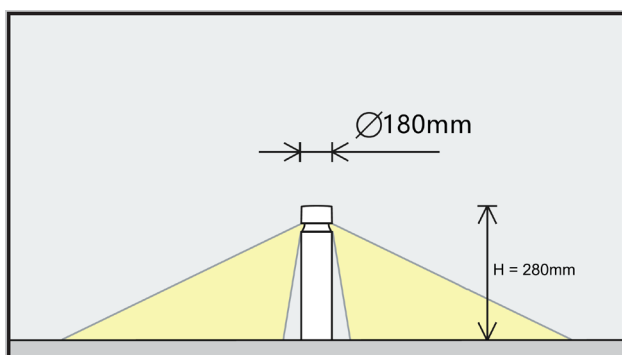
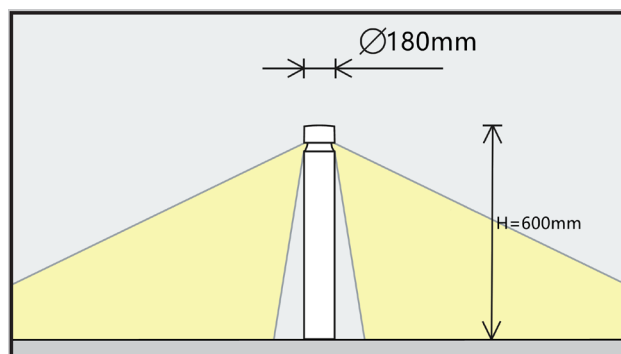
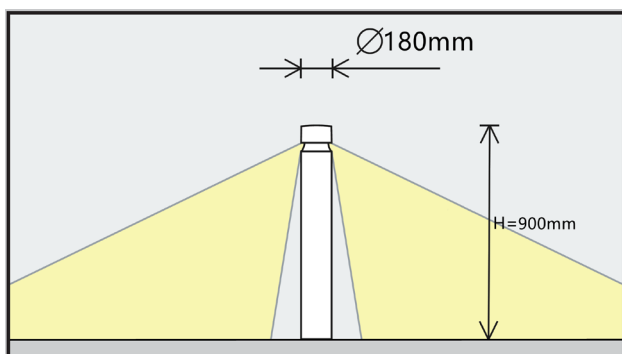
ELECTRICAL DATA

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)

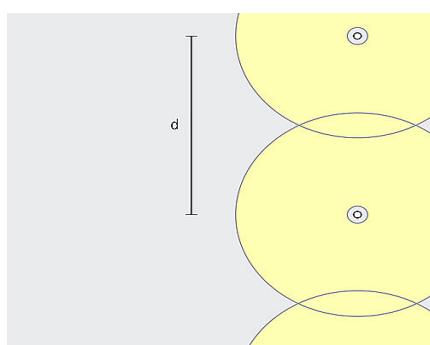
DESIGN / CONSTRUCTION

Body Material	Corrosion-resistant aluminium
Optics Material	Polycarbonate
Finish	Dual AkzoNobel Powder-Coat
Colour	Graphite Grey (RAL7024)
Mounting	Includes bolt assembly

DIMENSIONS (MM)



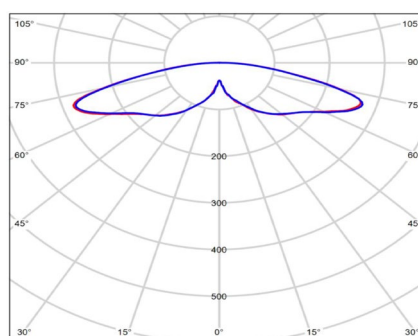
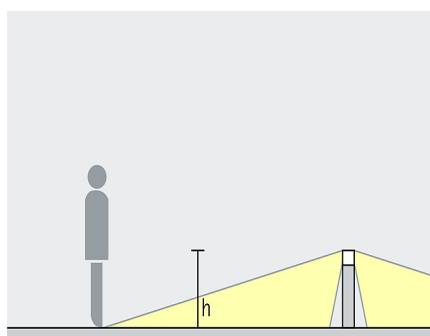
SPACINGS



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



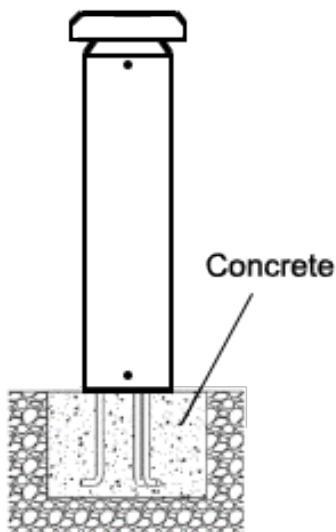
BITTA ACCESSORIES

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.

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