QUARTZ EVO BOLLARD

AL9100 (GRP) & AL9200 (ALLOY/STEEL) SERIES

IP66 IK10

Abacus®

Leaders in Lighting

QUARTZ EVO BOLLARD
AL9100 (GRP) & AL9200 (ALLOY/STEEL) SERIES

Abacus®
Leaders in Lighting

IP66 IK10

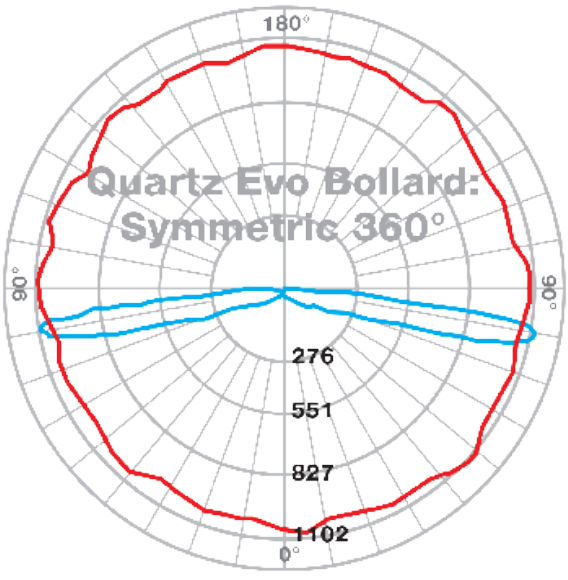
Specifications & key features

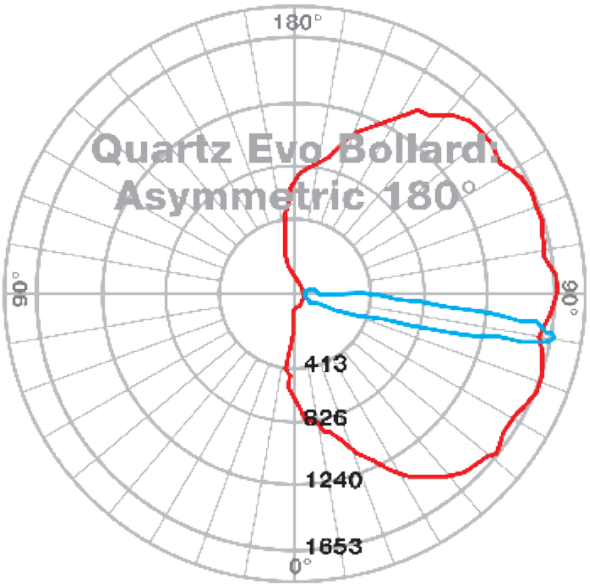
The Quartz Evo Bollard is a next-generation LED lighting solution designed to deliver exceptional performance, efficiency, and durability across rail, public realm, retail, and car park applications. Available in both non-conductive GRP and alloy/steel construction, it offers industry leading spacing between bollards, reducing the number of units required while maintaining excellent lighting uniformity and low glare. Engineered for demanding environments, the Quartz Evo features an IP66 rating for complete protection against dust ingress and powerful water jets, along with an IK10 rating for maximum impact resistance, ensuring reliable operation in challenging outdoor locations.

Technical Specifications

Technical Specification	Asymmetric	Symmetric
Power (Wattage):	12.8W	16.2W
Luminous Flux:	1590 lm	2050 lm
Colour Temperature:	4000K (Other option 3000K)	
Colour Rendering Index (CRI):	Ra70	
Body Colour:	Jet Black: RAL9005 as standard (Other options available)	
Lifetime:	L90B10 > 80,000hrs at 25°C Ambient temperature	
Dimensions: (H x W)	1325 x 187mm Root base 950 x 187mm Flange base	
Weight:	GRP Head: 3.6kg - Alloy Head: 4.5kg Root base: 5.6kg Flange Base: 6kg	
Working Temperature:	-40°C ~ +45°C (50°C optional)	
IP Rating:	IP66	
IK Rating:	IK10	

Photometry





abacuslighting.com
Info@abacuslighting.com
01623 511111

QUARTZ EVO BOLLARD
AL9100 (GRP) & AL9200 (ALLOY/STEEL) SERIES

Abacus®
Leaders in Lighting

Spacing & Example Levels

Beam Type	Spacing (m)	Average LUX	Minimum LUX	Uniformity
Asymmetric	10	21.1	10.8	0.51
	12	17.6	5.9	0.34
	15	14.1	2.5	0.18
	18	11.8	1.2	0.10
	20	10.2	0.8	0.08
Symmetric	10	17.4	9.6	0.55
	12	14.5	6	0.41
	15	11.6	2.8	0.24
	18	9.7	1.4	0.14
	20	8.7	1.0	0.11

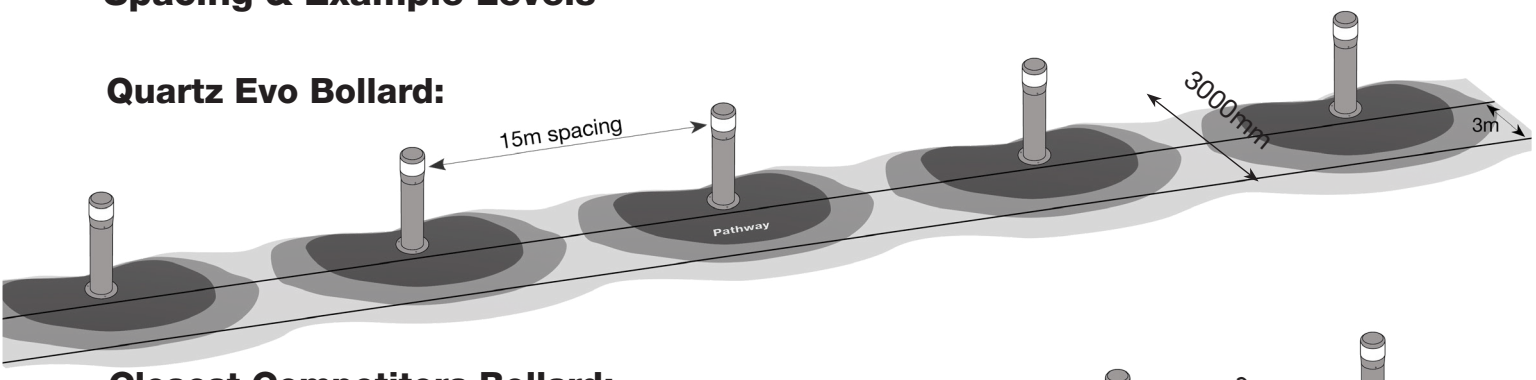
Quartz Evo Bollard Vs Competitor

Run Length In Linear Metres:	Quantity Of Bollards Per Run Length	
	Quartz Evo	Leading Competitor
200	14	17
300	20	25
500	34	42

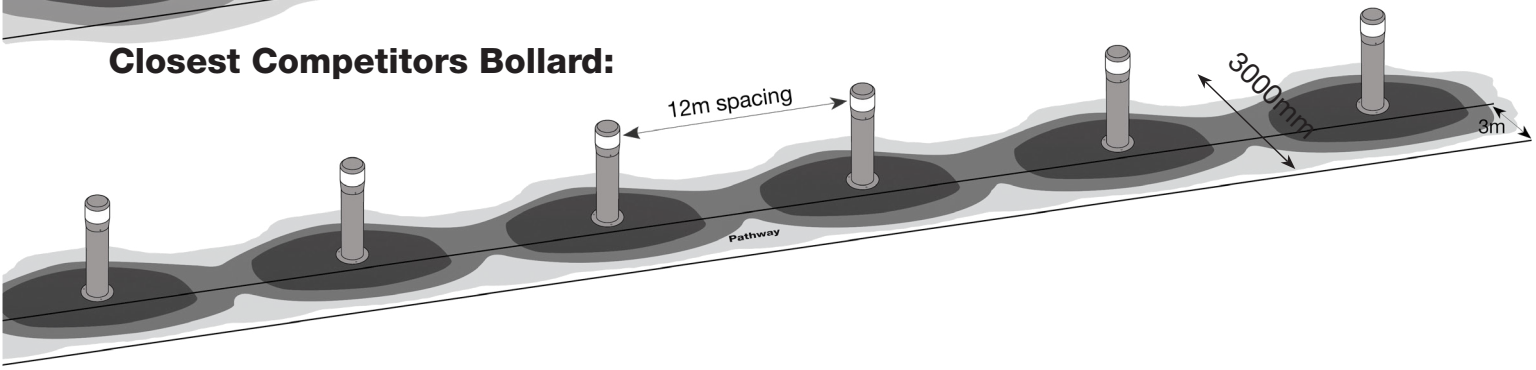
This information is based on a straight, 3m wide path with no obstructions and bollards 700mm back to centre

Spacing & Example Levels

Quartz Evo Bollard:



Closest Competitors Bollard:



abacuslighting.com
Info@abacuslighting.com
01623 511111

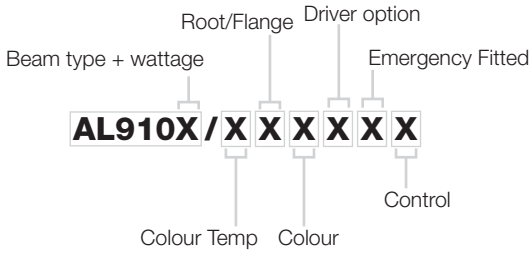
QUARTZ EVO BOLLARD
AL9100 (GRP) & AL9200 (ALLOY/STEEL) SERIES

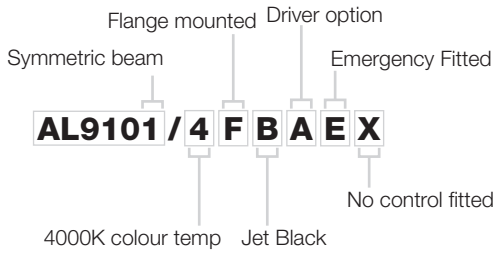
Abacus®
Leaders in Lighting

GRP - Quartz Evo Product Code Selection

Beam Type & Power	Colour Temperature	Mounting Method	Body Colour	Driver Options	Emergency Battery Back Up	Control
Symmetric (15W) = **AL9101**	4000K = **4**	Flange Plate = **F**	RAL9005 (Jet Black) Standard = **B**	1-10 = **A**	Fitted = **E**	Not Fitted = **X**
Asymmetric (12W) = **AL9102**	3000K* = **3**	Root Mounted* = **R**	RAL9006* (Silver) = **S**	DALI = **B**	Not Fitted = **X**	
			RAL7016* (Anthracite Grey) = **G**			

Example Product Selection:

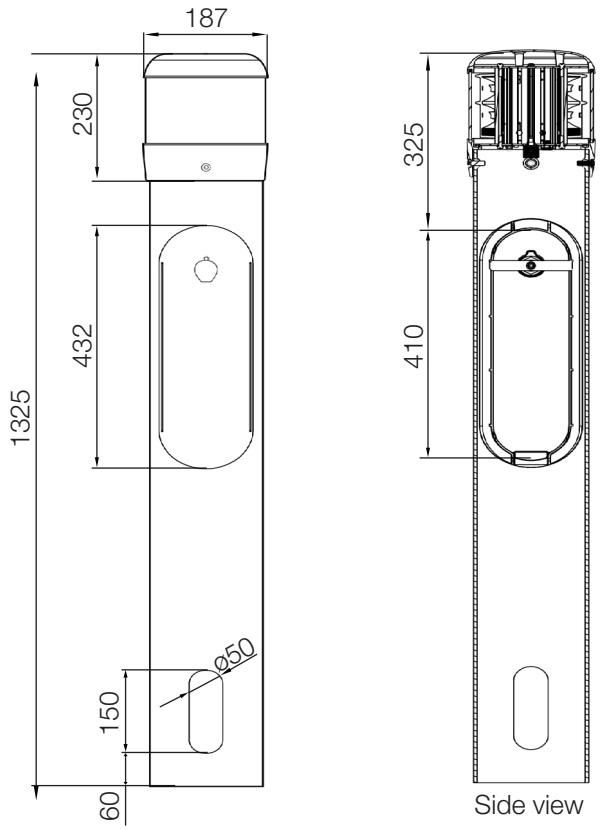




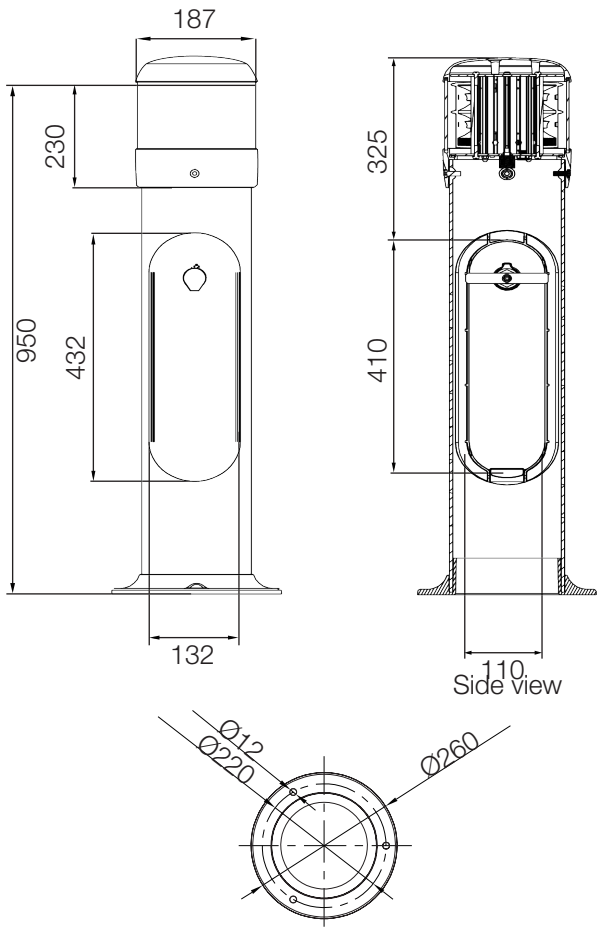
**Please contact Abacus for further details on non-standard options, MOQs may apply.*

GRP - Root Mounted & Flange Plate Quartz Evo Dimensions

GRP Root mounted:



GRP Flange plate:



abacuslighting.com
Info@abacuslighting.com
01623 511111

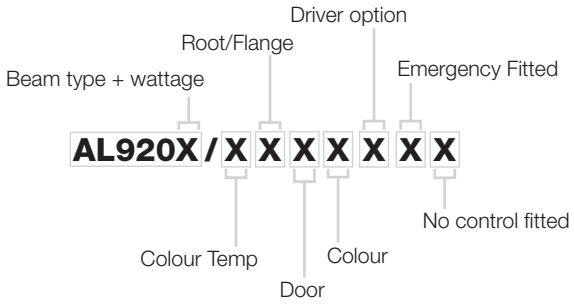
QUARTZ EVO BOLLARD
AL9100 (GRP) & AL9200 (ALLOY/STEEL) SERIES

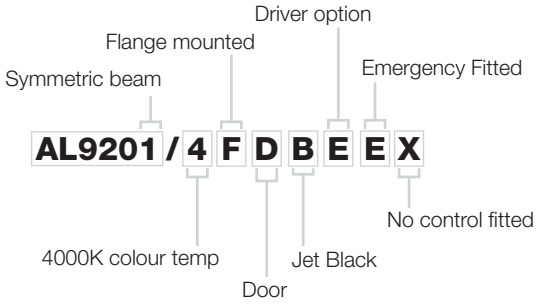
Abacus®
Leaders in Lighting

Alloy/steel Quartz Evo Product Code Selection

Beam Type & Power	Colour Temperature	Mounting Method	Body Colour	Door Option	Driver Options	Emergency Battery Back Up	Control
Symmetric (15W) = **AL9201**	4000K = **4**	Flange Plate = **F**	RAL9005 (Jet Black) Standard = **B**	**Door = D**	1-10 = **A**	Fitted = **E**	Not Fitted = **X**
Asymmetric (12W) = **AL9202**	3000K* = **3**	Root Mounted* = **R**	RAL9006* (Silver) = **S**	**No Door = X**	DALI = **B**	Not Fitted = **X**	

Example Product Selection:

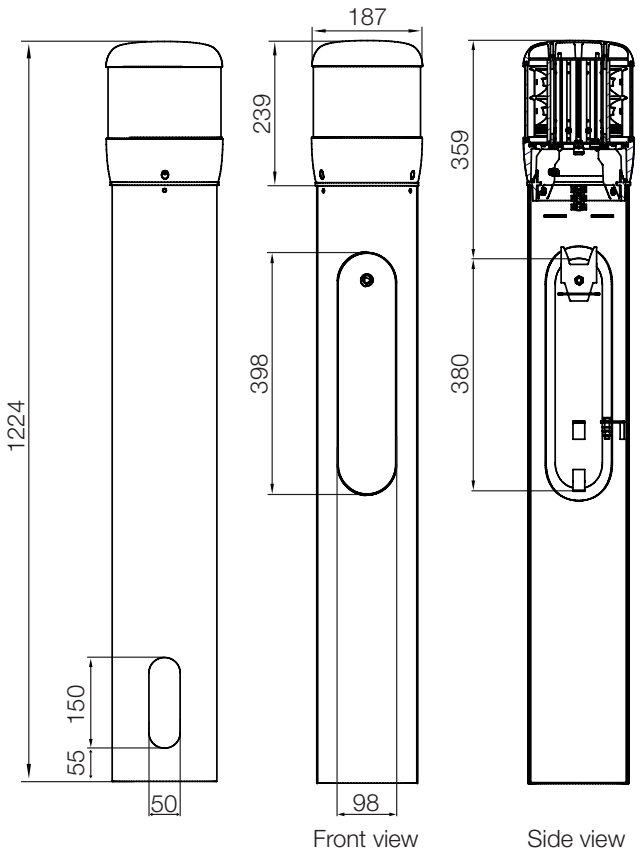




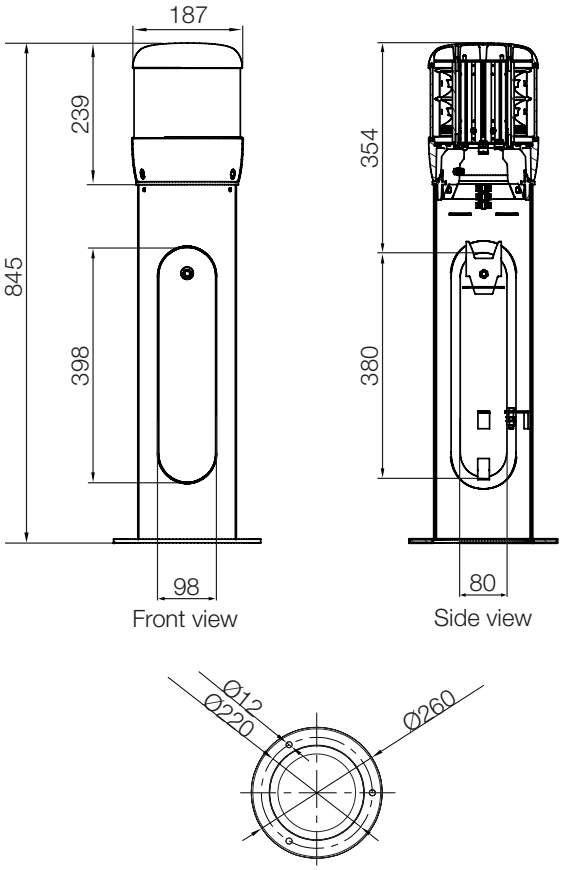
**Please contact Abacus for further details on non-standard options, MOQs may apply.*

Alloy/steel - Root Mounted & Flange Plate Quartz Evo Dimensions

Alloy/steel Root mounted:



Alloy/steel Flange plate:



abacuslighting.com
Info@abacuslighting.com
01623 511111