

Illuminated Bollards : with BEGA LED Units



Bollards available in Round or Square, see enclosed chart for light unit compatibility with standard shapes & sizes.

All our hardwood bollards are available in round or square, each with a choice of 8 top profiles, and a range of widths and heights. They can be customised with grooves with optional infills.

Supplied fitted with any of 4 circular and 4 rectangular designs, which allow a choice of not just visual aesthetic, but of strength and direction of light.

We support Dark-Sky initiatives, supplying units in 3000K temperature as standard, and offer low lumen outputs and directional light designs. 4000K temperature light units available should your scheme require a neutral light.

Illuminated units are available on a selection of specifications as determined by the size of the light units, and all units are ready to wire in and require no additional components/drivers.

Lights are installed at a fixed height of 0.5m above ground (measured to centrepoint of the unit). Some smaller bollard heights, or specifications with a large top profile design may require a lower unit placement and reduce light distribution, but we restrict the units to 400mm minimum centrepoint height. Available combinations with centre heights can be seen on the included chart.

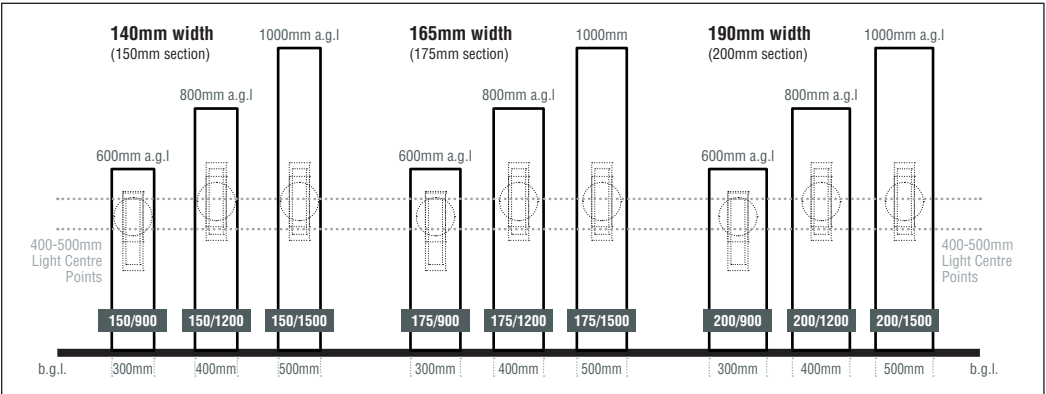
Woodscape use only BEGA light units in our bollards, as their build quality aligns with the standards we expect from all our components.

BEGA's 3 year unit warranty and 20 year parts availability guarantee ensures light units with a longevity suitable to the lifespan of our naturally very durable hardwood bollards.

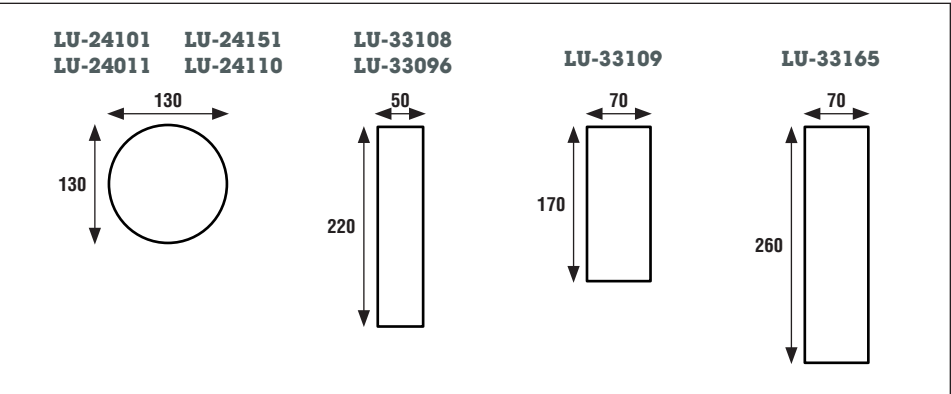
Where multiple options are provided below, standard specification is in **bold**.

Timber	FSC® naturally very durable hardwood
Shape	Round; Square
Width w (finished size)	140mm ; 165mm; 190mm
Height H (total)	900mm (600mm a.g.l.); 1200mm (800mm a.g.l.); 1500mm (1000mm a.g.l.)
Faceplate colour	Graphite Grey ; Silver
LED colour temperature	3000K ; 4000K
Fixing options	Built-in (bollards should be installed 1/3 underground);
Assembly	Removable light units to allow for wiring in

LED Placement examples on SPF Bollards (Plain, Flat Top Profile, No Groove)



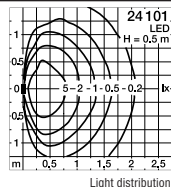
LED Unit Faceplate Sizes



3D models / CADs are for illustrative purposes only, and may not be fully indicative of the final product. Variations in designs occur over time, and due to the bespoke nature of our products individual specifications may result in individual solutions. Measurements provided are for guidance towards standard size choices, or our recommendation only, as most products can be produced to fit your needs.

BEGA

Circular LED Unit
Louvred
2.5W
LU-24101

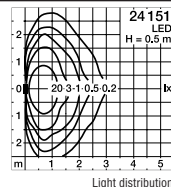


Very Low Lumens
Consider your requirements carefully

Manufacturer	BEGA
Model no.	24101
Style	Louvre shielded with white safety glass
Width w	130mm
Height h	130mm
Luminaire wattage	2.5W
Luminaire luminous flux	10 lumens
Faceplate colour	Graphite Grey; Silver
LED colour temperature	3000K; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

BEGA

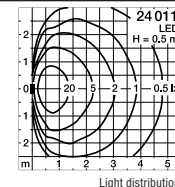
Circular LED Unit
Shielded
4.9W
LU-24151



Manufacturer	BEGA
Model no.	24151
Style	Shielded with optical structure matt safety glass
Width w	130mm
Height h	130mm
Luminaire wattage	4.9W
Luminaire luminous flux	292 lumens
Faceplate colour	Graphite Grey; Silver
LED colour temperature	3000K; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

BEGA

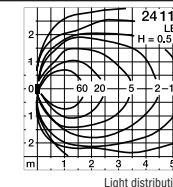
Circular LED Unit
White Glass
4.9W
LU-24011



Manufacturer	BEGA
Model no.	24011
Style	Unshielded with white safety glass
Width w	130mm
Height h	130mm
Luminaire wattage	4.9W
Luminaire luminous flux	367 lumens
Faceplate colour	Graphite Grey ; Silver
LED colour temperature	3000K ; 4000K
Protection class	IP65
Life expectancy	50.000+ operating hours

BEGA

Circular LED Unit
Distributed
7.0W
LU-24110



Please note, this is a high lumens unit typically mounted at 1m height, and is offered here for specific high illumination applications only

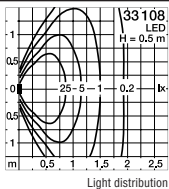


High Lumens
Consider your requirements & 'Dark Sky' compliance

Manufacturer	BEGA
Model no.	24110
Style	Unshielded with optical structure safety glass
Width w	130mm
Height h	130mm
Luminaire wattage	7.0W
Luminaire luminous flux	611 lumens
Faceplate colour	Graphite Grey ; Silver
LED colour temperature	3000K ; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

BEGA

Rectangular LED Unit
Directional
2.6W

LU-33108

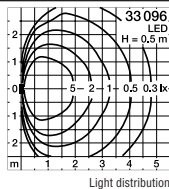
Low Lumens
Consider your requirements carefully

Manufacturer	BEGA
Model no.	33108
Style	Directional, recessed with white safety glass
Width w	50mm
Height h	220mm
Luminaire wattage	2.6W
Luminaire luminous flux	100 lumens
Faceplate colour	Graphite Grey ; Silver
LED colour temperature	3000K ; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

BEGA

Rectangular LED Unit
White Glass, Narrow
3.9W

LU-33096

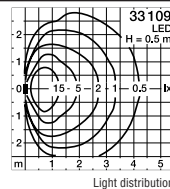


Manufacturer	BEGA
Model no.	33096
Style	Unshielded with white safety glass
Width w	50mm
Height h	220mm
Luminaire wattage	3.9W
Luminaire luminous flux	136 lumens
Faceplate colour	Graphite Grey; Silver
LED colour temperature	3000K; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

BEGA

Rectangular LED Unit
White Glass, Small
5.1W

LU-33109

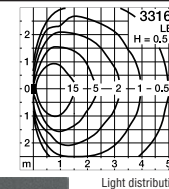


Manufacturer	BEGA
Model no.	33109
Style	Unshielded with white safety glass
Width w	70mm
Height h	170mm
Luminaire wattage	5.1W
Luminaire luminous flux	331 lumens
Faceplate colour	Graphite Grey; Silver
LED colour temperature	3000K; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

BEGA

Rectangular LED Uni
White Glass, Large
7.8W

LU-3316.

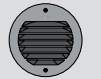
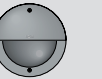
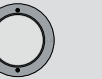


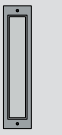

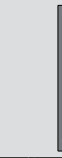


High Lumens
Consider your requirements & 'Dark Sky' compliance

Manufacturer	BEGA
Model no.	33165
Style	Unshielded with white safety glass
Width w	70mm
Height h	260mm
Luminaire wattage	7.8W
Luminaire luminous flux	516 lumens
Faceplate colour	Graphite Grey ; Silver
LED colour temperature	3000K ; 4000K
Protection class	IP65
Life expectancy	50,000+ operating hours

















































bollards : illuminated ; shape & size compatibility chart

This chart shows which light units fit in the recommended  Round or  Square bollard sizes. Circular lights only fit in sections of 200 or more. Rectangular lights will fit some section sizes below 150 but the needed cavity size can impact the strength of the bollard.

Short Top Profiles = Flat, Weathered, Chamfer, Arch Tall Top Profiles = Ball, Dome, Shoulder Dome, Splay, Dragon Tooth, Point Single Groove = One C, V or F25 Groove. F50, F100 or multiple grooves will further restrict size options	LU-24101 2.5W			LU-24151 4.9W			LU-24011 4.9W			LU-241010 7.0W			LU-33108 2.6W			LU-33096 3.9W			LU-33109 5.1W			LU-33165 7.8W		
																								
	Section Size / Overall Height : Description	○	□	Centre	○	□	Centre	○	□	Centre	○	□	Centre	○	□	Centre	○	□	Centre	○	□	Centre	○	□
150/900 : Short Top Profile, No Groove	✗	✓	450	✗	✓	450	✗	✓	450	✗	✓	450	✓	✓	400	✓	✓	400	✓	✓	450	✓	✓	400
150/900 : Short Top Profile + Single Groove	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
150/900 : Tall Top Profile, No Groove	✗	✓	400	✗	✓	400	✗	✓	400	✗	✓	400	✗	✗	-	✗	✗	-	✓	✓	400	✗	✗	-
150/900 : Tall Top Profile + Single Groove	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
150/1200 : Short Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
150/1200 : Short Top Profile + Single Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	450	✓	✓	450	✓	✓	500	✓	✓	450
150/1200 : Tall Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
150/1200 : Tall Top Profile + Single Groove	✗	✓	450	✗	✓	450	✗	✓	450	✗	✓	450	✓	✓	400	✓	✓	400	✓	✓	450	✓	✓	400
150/1500 : Short Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
150/1500 : Short Top Profile + Single Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
150/1500 : Tall Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
150/1500 : Tall Top Profile + Single Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
175/900 : Short Top Profile, No Groove	✗	✓	450	✗	✓	450	✗	✓	450	✗	✓	450	✓	✓	400	✓	✓	400	✓	✓	450	✓	✓	400
175/900 : Short Top Profile + Single Groove	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
175/900 : Tall Top Profile, No Groove	✗	✓	400	✗	✓	400	✗	✓	400	✗	✓	400	✗	✗	-	✗	✗	-	✓	✓	400	✗	✗	-
175/900 : Tall Top Profile + Single Groove	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
175/1200 : Short Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
175/1200 : Short Top Profile + Single Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	400	✓	✓	400	✓	✓	450	✓	✓	400
175/1200 : Tall Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
175/1200 : Tall Top Profile + Single Groove	✗	✓	400	✗	✓	400	✗	✓	400	✗	✓	400	✗	✗	-	✗	✗	-	✓	✓	400	✗	✗	-
175/1500 : Short Top Profile, No Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
175/1500 : Short Top Profile + Single Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
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175/1500 : Tall Top Profile + Single Groove	✗	✓	500	✗	✓	500	✗	✓	500	✗	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
200/900 : Short Top Profile, No Groove	✓	✓	450	✓	✓	450	✓	✓	450	✓	✓	450	✓	✓	400	✓	✓	400	✓	✓	450	✓	✓	400
200/900 : Short Top Profile + Single Groove	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
200/900 : Tall Top Profile, No Groove	✓	✓	400	✓	✓	400	✓	✓	400	✓	✓	400	✓	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
200/900 : Tall Top Profile + Single Groove	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
200/1200 : Short Top Profile, No Groove	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
200/1200 : Short Top Profile + Single Groove	✓	✓	450	✓	✓	450	✓	✓	450	✓	✓	450	✓	✓	400	✓	✓	400	✓	✓	400	✓	✓	400
200/1200 : Tall Top Profile, No Groove	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
200/1200 : Tall Top Profile + Single Groove	✓	✓	400	✓	✓	400	✓	✓	400	✓	✓	400	✗	✗	-	✗	✗	-	✗	✗	-	✗	✗	-
200/1500 : Short Top Profile, No Groove	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
200/1500 : Short Top Profile + Single Groove	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
200/1500 : Tall Top Profile, No Groove	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500
200/1500 : Tall Top Profile + Single Groove	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500	✓	✓	500

bollards : illuminated : specifier chart

This specifier chart can be used to create the exact bollard you need from thousands of possible combinations! Start with Round or Square and follow the options you require to create a unique specifier code used to quote and manufacture your bollard.
For example, choose a Square, Grooved, with Weathered Top, 25mm Flat Groove, with a Graphite Rectangular White Narrow 3.9W Light at 3000K, 140mm finished width (150mm section), 800mm visible above ground, and you make **SGW-F25-LU-33096-K3-150/1200**

Shape	Groove	Top Profile			Groove Option	LED	Size		
Round R	Plain P Grooved G	  	Flat (Plain) F	  	Ball (with Shoulder) B	<div>Circular LED Units</div> <div>Louvred 2.5W LU-24101</div> <div>Shielded 4.9W LU-24151</div> <div>White Glass 4.9W LU-24011</div> <div>Distributed 7.0W LU-24110</div> <div>Rectangular LED Units</div> <div>Directional 2.6W LU-33108</div> <div>White Narrow 3.9W LU-33096</div> <div>White Glass Sm 5.1W LU-33109</div> <div>White Glass Lg 7.8W LU-33165</div> <div>Graphite finish as standard, for Silver finish add A to the end of the LU code.</div> <div>Add -K3 at the end to specify 3000K warm light temperature.</div> <div>Add -K4 to specify 4000K neutral light temperature.</div>	150mm section / 600mm a.g.l (300 b.g.l) 150/900		
		  	Weathered (Short Dome) W	  	Chamfer (with Flat Top) C		150mm section / 800mm a.g.l (400 b.g.l) 150/1200		
		  	Dome (Rounded) D	  	Splay (Angle) S		150mm section / 1000mm a.g.l (500 b.g.l) 150/1500		
		  	Shoulder Dome H	  	Dragon Tooth (Angle + Flat Top) T		175mm section / 600mm a.g.l (300 b.g.l) 175/900		
		Front view Top view Side view		Front view Top view Side view					
Square S	Plain P Grooved G	  	Flat (Plain) F	  	Point (Pyramid) P	<div>F50 and F100 size grooves, or multiple F25 grooves on one bollard, are not included here due to the limited range of sizes that will be available to position the light unit at the correct height.</div> <div>Grooves will be plain/unfilled indentations unless stated at time of order. Customise with solid colour paint (to your specified RAL colour), or reflective banding in Red, White or Half Red / Half White.</div>	<div>Plain bollards require no code here</div>	<div>Rectangular LED Units</div> <div>Directional 2.6W LU-33108</div> <div>White Narrow 3.9W LU-33096</div> <div>White Glass Sm 5.1W LU-33109</div> <div>White Glass Lg 7.8W LU-33165</div> <div>Graphite finish as standard, for Silver finish add A to the end of the LU code.</div> <div>Add -K3 at the end to specify 3000K warm light temperature.</div> <div>Add -K4 to specify 4000K neutral light temperature.</div>	175mm section / 800mm a.g.l (400 b.g.l) 175/1200
		  	Weathered (Short Pyramid) W	  	Chamfer (with Flat Top) C				175mm section / 1000mm a.g.l (500 b.g.l) 175/1500
		  	Dome (4-way Dome) D	  	Splay (Angle) S				200mm section / 600mm a.g.l (300 b.g.l) 200/900
		  	Arch (1-way Dome) A	  	Dragon Tooth (Angle + Flat Top) T				200mm section / 800mm a.g.l (400 b.g.l) 200/1200
		Front view Top view Side view		Front view Top view Side view				200mm section / 1000mm a.g.l (500 b.g.l) 200/1500	
		Front view Top view Side view		Front view Top view Side view					