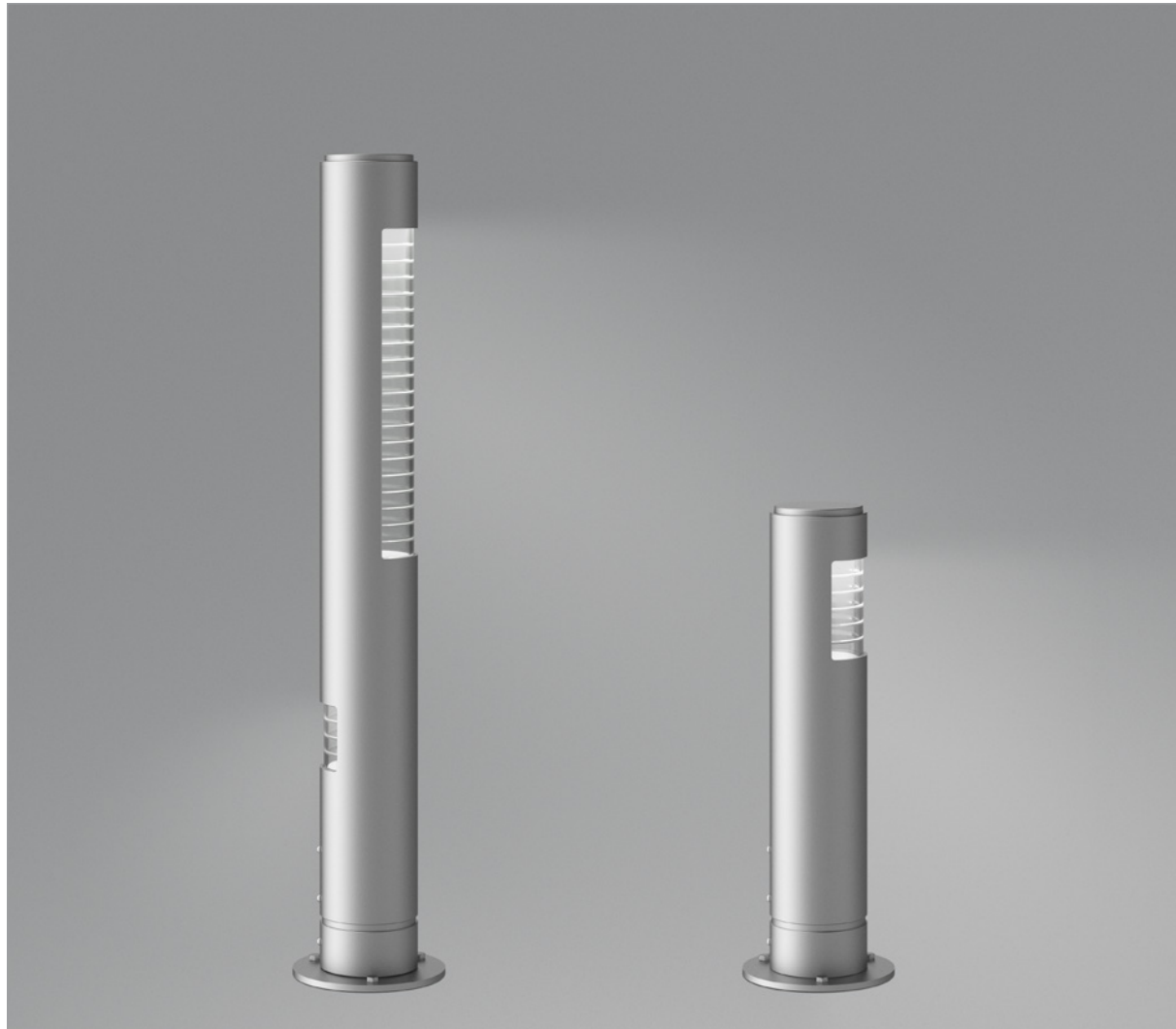


Dua Bollard + Dua Bollard Low

Design: Juul I Frost Architects



Dua is a family of sleek outdoor luminaires by Juul I Frost Architects.

The taller Dua Bollard is minimalistic and yet characteristic in its slim and asymmetrical design. The two light sources combine primary light with glowing light on the surroundings. The lower Dua Bollard Low has light in forward direction only.

Both bollards are build in modules making it easy to service and update the luminaires.

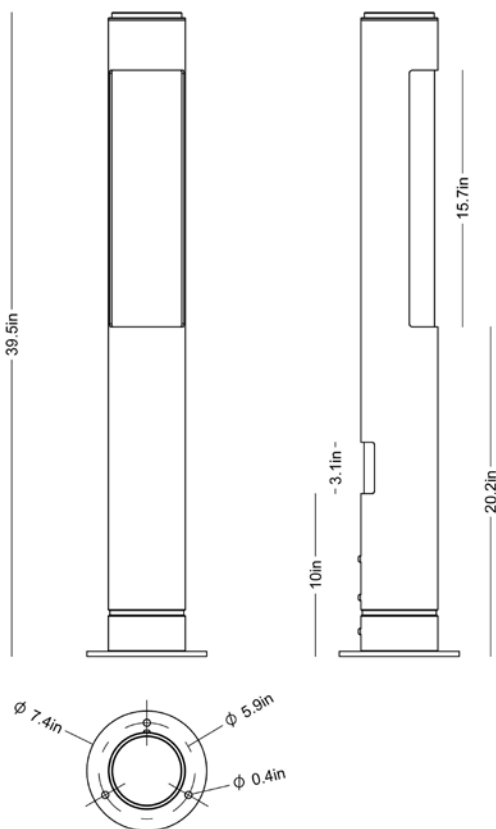
Dua Bollard Low leads the way and will combine buildings and facilities that are spread over a large area, for instance at schools, factories, hospitals etc.



F-L LIGHTING

Dua Bollard

Design: Juul I Frost Architects



Luminaire specs:

Material:	Aluminium
Finish:	Raw anodized Graphite grey: YW355F, Akzo Nobel Silver grey: Y2370I, Akzo Nobel Corten brown: YX355F, Akzo Nobel Black: textured mat Noir 900 Sablé, SN351F, Akzo Nobel RAL by your choice
Screen:	Tube with inside spinned grooves, UV-resistant polycarbonate
Mounting:	Flanged base
Connection:	In the post
Classification:	cULus; Wet location; IP65; class I; IK10
Corrosion class:	C4, C5 optional
Weight:	18 lbs

LED specs:

LED:	2 X Bridgelux COB
Operational life:	min 100,000 hours at ta max 77°F (25°C), L90B10
Color temperature:	2700, 3000, or 4000 Kelvin
Color rendering:	min 90 CRI, 3000 K, with R9 = 72
Color accuracy:	3 Steps SDCM

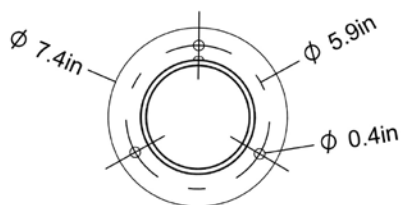
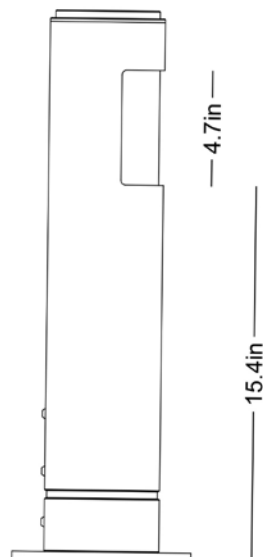
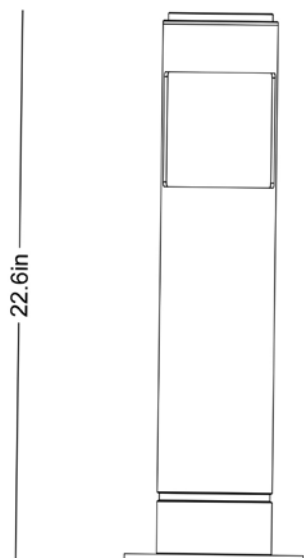
Driver specs:

Driver:	Xitanium 25W 0.1-1.0A 0-10V
Inrush current::	@120V; max 10 A (10% after 62 µs) @277V; max 26 A (10% after 73 µs)
Nominal voltage, AC:	120-277 Vac
Op. input voltage, AC:	108-305 Vac
Nominal voltage, DC:	
Nom. frequency range:	50-60 Hz
Surge protection:	L/N-GND: 2,5 k; L-N: 2,5 kV
Operational life:	min 50,000 hours
Dimming/control:	0-10V

F-L LIGHTING

Dua Bollard Low

Design: Juul I Frost Architects



Luminaire specs:

Material:	Aluminium
Finish:	Raw anodized Graphite grey: YW355F, Akzo Nobel Silver grey: Y2370I, Akzo Nobel Corten brown: YX355F, Akzo Nobel Black: textured mat Noir 900 Sablé, SN351F, Akzo Nobel RAL by your choice
Screen:	Tube with inside spun grooves, UV-resistant polycarbonate
Mounting:	Flanged base
Connection:	In the post
Classification:	cULus; Wet location; IP65; class I; IK10
Corrosion class:	C4, C5 optional
Weight:	14 lbs

LED specs:

LED:	Bridgelux COB
Operational life:	min 100,000 hours at ta max 77°F (25°C), L90B10
Color temperature:	2700, 3000, or 4000 Kelvin
Color rendering:	min 90 CRI, 3000 K, with R9 = 72
Color accuracy:	3 Steps SDCM

Driver specs:

Driver:	Xitanium 25W 0.1-1.0A 0-10V
Inrush current:	@120V; max 10 A (10% after 62 µs) @277V; max 26 A (10% after 73 µs)
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Nominal voltage, DC:	
Nom. frequency range:	50-60 Hz
Surge protection:	L/N-GND: 2,5 k; L-N: 2,5 kV
Operational life:	min 50,000 hours
Dimming/control:	0-10V

Spec-sheet - Dua Bollard

Product Info

Item No	Wattage	Current	2700K	3000K	4000K	BUG	lm/W
US7251	8W	250 mA	325 lm	340 lm	360 lm	B0 U2 G1	41-45
US7252	12W	350 mA	439 lm	459 lm	486 lm	B0 U2 G1	37-41

Variant codes

Color	Corrosion Class	Color Temp/CRI	Supply Voltage	Controls
01 raw anodized	C4 C4 Standard	927 2700K, 90 CRI	W 120-277 (60 Hz)	V 0-10V
17 corten brown		930 3000K, 90 CRI		
4 graphite grey		940 4000K, 90 CRI		
66 black textured mat				
9 silver grey				
RAL other RAL colors				