

KEY FEATURES

- > E2 light engine featuring CREE LED, with 2-step binning and built-in reverse polarity protection
- > Multiple engine options include N1 & F1 COB LEDs with 90+ CRI and 2200K colour option Tunable White, RGBW engine also available
- $\,>\,$ Compact but powerful fitting, up to 700mA delivering 891 lumens in 3000K
- Machined aluminium fitting, paint finishes include: White (RAL 9016), Silver, Grey (RAL 7016), Black (RAL 9005), Antique Bronze, Satin Antique Brass, Satin Brass or any RAL finish
- > 90° head tilt adjustment
- > Beam angles include, narrow 10° spot for lighting columns and arches, or a 15°x49° spreader lens, ideal for wall washing applications
- > Single light source and optic produces a consistent beam removing multiple shadows and includes black trim glass with peak intensity up to 7851
- > 47mm recessed LED lens assembly within the body for reduced glare
- > Anti-glare cowl included and optional honeycomb louvre for low-glare
- Fixing options include adjustable and non adjustable surface mount, surface mounting base and ground spike
- > Switched, 0-10V, Casambi, DMX, DALI, or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For fitting and accsessory dimensions please go to page 4.





WHITE LED ENGINE SPECIFICATION

Engine				○ N1			• F1		
Beam angles	10°, 19°, 34°, 54°, 15°x 49°			28°, 35°, 46°, 65°, 22°x 43°			25°, 37°, 65°, 18°x 45°		
LED manufacturer	CREE			CREE			CREE		
Colour temperature*	2700K/ 3000K/ 4000K/ 5000K			2200K/ 2700K/ 3000K/ 4000K/ 5000K			2200K		
Current	350mA	500mA	700mA	350mA	500mA	700mA	350mA	500mA	700mA
LED power (Max)	4.2W (5W**)	6W (7W**)	8.4W (10W**)	6.6W (7W**)	9.4W (10W**)	13.3W (14W**)	3.2W (3.5W**)	4.5W (5W**)	6.3W (7W**)
Delivered lumens (L ₁₀₀)	392	474	601	494	677	891	227	241	367
Lumens per circuit watt	79	68	68	71	68	64	65	49	52
CRI (Min)	85			93			90		
Forward voltage (V ₁₀₀)	14V			18V			9V		
Colour consistency	2 SCDM			2 SCDM			3 SCDM		
Peak intensity	7851 cd			2922 cd			1641 cd		
LED Lumens	873			1393			623		
LOR	0.69			0.64			0.59		
TM30	RF85	RG	199	RF91 RF91		RF90 R		103	
LED lifetime	L90B5 at 90	0,000hrs			'			'	
Applications									

Lumen variance by CCT					
2700K	+/- 0%				
4000K	+7%				
5000K	+16%				

MECHANICAL

Ambient temperature	-20° to 45° (500mA) or -20° to 35° (700mA)		
Glass	Low iron glass 3mm thick		
Materials	Anodised aluminium body, with stainless steel fixing brackets		
Weight of product	0.72kg		
IP rating	IP67		
IK rating	IK08		
Wiring	In-series constant current wiring (pre-wired with 2 core cable at a length of 1m)		

^{*}see lumen variance table to the right
**indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver



COLOUR & DYNAMIC LED ENGINE SPECIFICATION

Engine	CL - Colour	RGBW			TW - Tuna	able White
Beam angles	24°, 38°, 54°, 20°x 46°	38° colour mix len	38° colour mix lens		24°, 38°, 54°, 20°x 46°	
LED manufacturer	CREE	CREE	CREE		CREE	
Colour temperature	Red, Green, Blue, Amber	Red, Green, Blue,	Red, Green, Blue, 4000K White		Warm White 2700K or 3000K	Cool White 4000K or 5000K
Current	500mA	350mA	500mA		500mA	
LED power (Max)	7W	3.5W	5W		7W 3.5W per channel	
Applications						

MECHANICAL

Glass	Low iron glass 3mm thick					
Materials	Anodised aluminium body, with stainless steel fixing brackets					
Weight of product	0.72kg					
IP rating	IP67					
IK rating	IK08					
Wiring	CL - 2 core cables at 1m in length	RGBW - 8 core cables at 1m in length CH 1 CH 3 CH 2 CH 4	TW - 4 core cables at 1m in length CH 1 CH 2			

AVAILABLE FINISHES

Please refer to our finishes guide for full details

The LD10238 body is machined from aluminium and painted in-house at LightGraphix. Paint finishes are suitable for interior and exterior use on surface mounted products. Our standard colours are below but we can accommodate any RAL request.







ANTIQUE BRONZE



SATIN ANTIQUE BRASS



SATIN BRASS



BLACK (RAL 9005)



ANTHRACITE GREY (RAL 7016)



WHITE (RAL 9016)

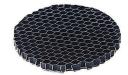


RAL COLOURS

GLARE SHIELD & ACCESSORY OPTIONS

/HL Honeycomb louvre can be used for further reducing glare. Please note this is not suitable for use with the 15° x 49° oval beam or RGBW optic due to the quality of the beam.



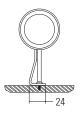


MOUNTING OPTIONS AND DIMENSIONS

Dimensions in mm

/SAM

Surface adjustable mounting is screwed to the surface via a strong mounting stand which allows for minor rotational adjustment. The fitting tilt adjustment is lockable via the socket head screw located on the side. Weight: 0.05kg





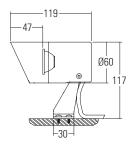


and rotation of the fitting. Weight: 0.14kg

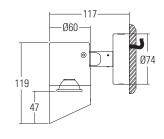
/SMB



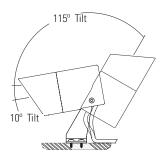
Surface mount base offers hidden wiring and a machined pivot arm with lockable tilt



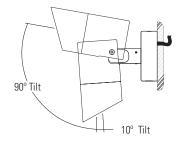






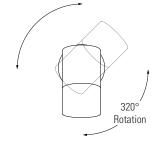














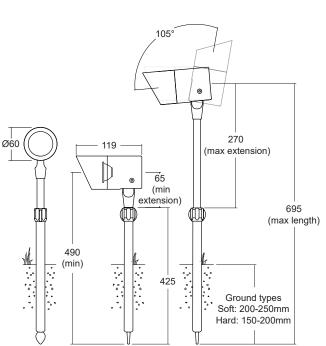
/GSA

Adjustable ground spike with a lockable fitting tilt adjustment, for in-ground applications. Height adjustment of 490mm to 695mm to the centre of the fitting. Weight: 0.18kg

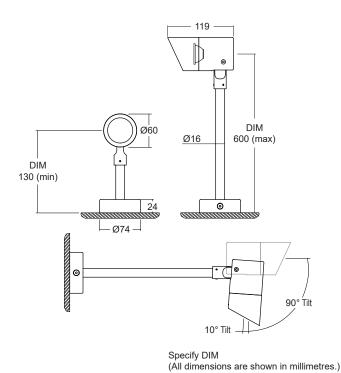
/SMBEX

Surface mount base with a lockable fitting tilt adjustment and customisable arm length between 130mm and 600mm to the centre of the fitting. Suitable for vertical and horizontal mounting. Weight: 0.14kg









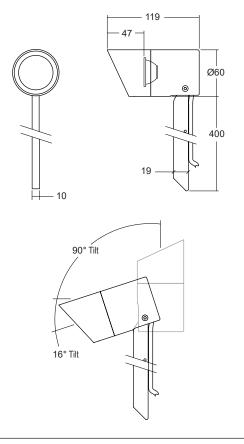
 $\ensuremath{\text{/GS}}$ Fixed height 400mm ground spike for in-ground applications. Lockable tilt adjustment. Weight: 0.21kg

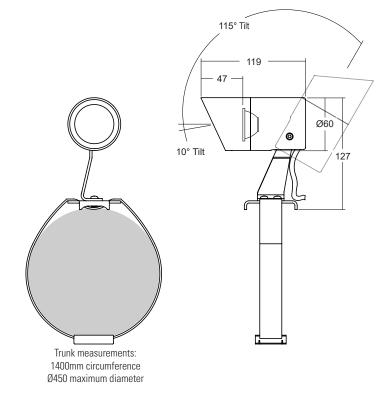


/TS

Tree strap/surface mount base with lockable fitting tilt adjustment, has a customisable arm length. It can be specified between 130mm and 600mm to the centre of the fitting. Suitable for vertical and horizontal mounting. Weight: 0.21kg





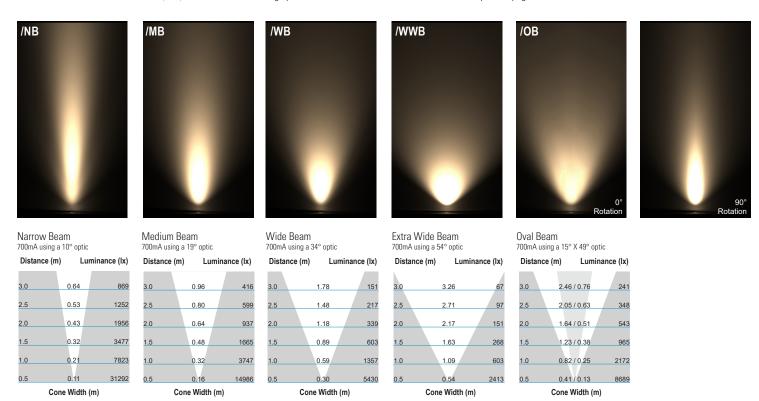




CONE DIAGRAMS

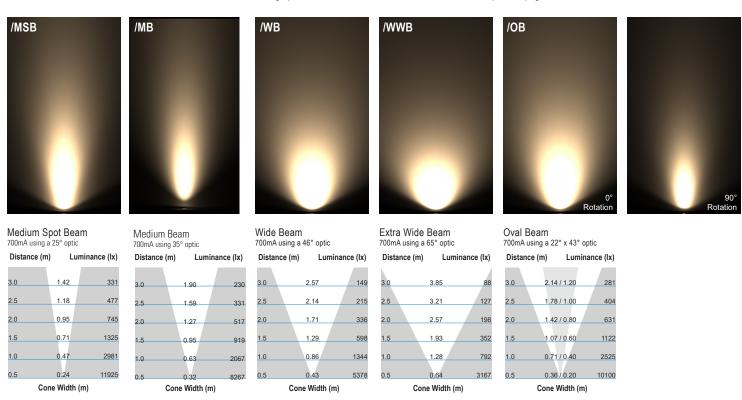
E2 LED Engine

Cone diagrams below are based on a 3000K E2 LED engine run at maximum output 700mA, 10W. Images below represent beam outputs when wall washing a 3m wall, spaced 125mm away from the lit surface. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10238 product page on the website.



N1 LED Engine

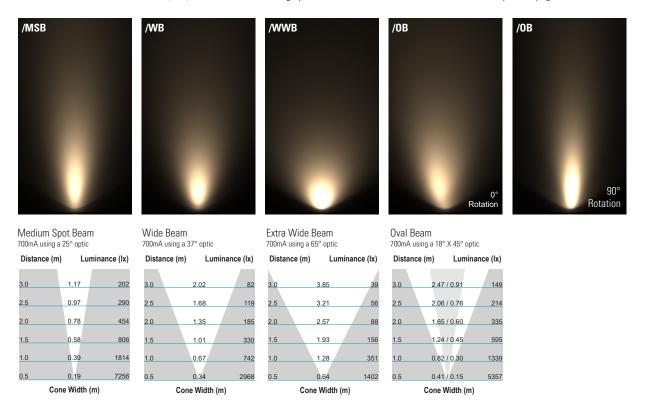
Cone diagrams below are based on a 3000K N1 LED engine run at maximum output 700mA, 14W. Images below represent beam outputs when wall washing a 3m wall, spaced 125mm away from the lit surface. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10238 product page on the website.





F1 LED Engine

Cone diagrams below are based on a 2200K F1 LED engine run at maximum output 700mA, 7W. Images below represent beam outputs when wall washing a 3m wall, spaced 125mm away from the lit surface. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10238 product page on the website.







ORDER CODES & OPTIONS

Example: LD10238-E2-700 / LW30 / NB / Black / SMB / HL

