

KEY FEATURES

- > E2 engine option with CREE LED, built-in reverse polarity protection and 2-step binning
- > F1 COB, Tunable White, RGBW, 2nd channel LEDs also available
- > Chamfered edged bezel available in 316 Stainless Steel, Polished & Passivated Stainless Steel, Brass, Flamed Bronze and paint finishes
- $\,>\,$ Up to 595 lumens when specified at 700mA with concrete housing in 3000K
- > Multiple optic options for lighting columns, arches or wall washing
- > Single light source and optic produces a very consistent beam with no multiple shadows
- > Choice of glare shields to minimise the view of the intense light source without affecting the wash of light on the wall/column
- > LED and lens are recessed in a matt black anodised body for reduced glare
- > Toughened glass with black ceramic trim
- > Fitting rated IK08
- > Hidden fixing options include first fix sleeve or concrete housing
- > Switched, 0-10V, Casambi, DMX, DALI or Mains dimmable drivers available

DIMENSIONS

Dimensions in mm

For full dimensions and for accessory dimensions please go to page 4.





WHITE LED ENGINE SPECIFICATION

Engine				F1					
Beam angles	10°, 19°, 34°, 54°,	, 49° x 15°		25°, 46°, 65°, 43° x 25°					
LED manufacturer	CREE			CREE					
Colour temperature*	2700K / 3000K / 4	000K / 5000K		2200K					
Current	350mA	500mA	700mA**	350mA	700mA**				
LED power (Max)	4.2W (5W***)	6W (7W***)	8.4W (10W***)	3.2W (3.5W***)	6.3W (7W***)				
Delivered lumens (L ₁₀₀)****	361	474	595	211	272	348			
Lumens per circuit watt	73	68	60	61 55 50					
CRI (Min)	85			90					
Forward voltage (V ₁₀₀)	14V			9V					
Colour consistency	2 SCDM			3 SCDM					
Peak intensity	9052 cd			1664 cd					
LED Lumens	873			623					
LOR	0.68			0.63					
TM30	RF85	RGS	98	RF90 RG103					
UGR****	10.1			9.1					
LED lifetime	L90B5 at 90,000hr	L90B5 at 90,000hrs							
Applications									

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

MECHANICAL

Ambient temperature	-20° to 45° (500mA) or -20° to 35° (700mA)
Glass	6mm thick toughened glass with black ceramic screen print
Materials	Stainless steel bezel, anodised aluminium body
Weight of product	0.52kg
IP rating	IP54
IK rating	IK08
Wiring	In-series constant current wiring (pre-wired with 2 core cable at a length of 250mm)

These values are based around a LD150-E2-700-LW30-NB & LD150-F1-700-LW22-MSB
*See lumen variance table to the right
**can only be specified with /482N concrete housing
***indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver

^{*****}lumen output indicated is without the glare shield. Allow 30% less with the /GS glare shield.

^{******} UGR values based on room parameters of 4H 8H, C70 W50 F20

COLOUR & DYNAMIC LED ENGINE SPECIFICATION

Engine	CL - Colour	RGBW		TW - Tunable White			
Beam Angles	24°, 38°, 54°, 20° x 46°	38° colour mix lens	S	24°, 38°, 54°, 20° x 46°			
LED manufacturer	CREE	CREE		CREE			
Colour temperature	Red, Green, Blue, Amber	Red, Green, Blue, 4	4000K White	Warm White 2700K or 3000K	Cool White 4000K or 5000K		
Current	500mA	350mA	500mA	500mA			
LED power (Max)	7W	3.5W	5W	6.3W (7W) 3.5W per channel			
Applications							

MECHANICAL

Glass	6mm thick toughened glass with black ce	6mm thick toughened glass with black ceramic screen print								
Materials	Stainless steel bezel, anodised aluminium	Stainless steel bezel, anodised aluminium body								
Weight of product	0.52kg	0.52kg								
IP rating	IP54	IP54								
IK rating	IK08									
Wiring	CLR - 2 core cables at 250mm in length	RGBW - 8 core cables at 250mm in length CH 1 CH 3 CH 2 CH 4	TW - 4 core cables at 250mm in length CH 1 CH 2							

AVAILABLE FINISHES

Please refer to our finishes guide for full details





316 STAINLESS STEEL

- > Marine grade 316 Steel
- > Standard machined finish
- > Extremely durable
- > Passivation recommended for marine environments to prevent corrosion and build up of brown stains caused by oxidation
- > Interior & exterior use





POLISHED & PASSIVATED STAINLESS STEEL

- > Marine Grade 316 Steel
- > Mirror like finish
- > Extremely durable
- Passivated to extensively prolong resistance to corrosion and brown stains caused by oxidation in marine environments
- > Interior & exterior use





BRASS

- > Solid CZ121 Brass
- > Standard machined finish
- > Corrosion resistance rated fair to excellent
- Please note a natural green/brown patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
- > Interior & exterior use





FLAMED BRONZE

- > Solid Bronze
- Hand finished Flamed Bronze unique to LightGraphix
- Extremely durable with very high corrosion resistance
- Please note a natural dark patination layer will form after long term exposure to the elements, the extent of this discolouration will be dependant on its location.
- > Interior & exterior use





PAINT FINISH

- Matt Black, Matt White, and other RAL colours available
- Not recommended for footlights in high traffic areas
- > Interior & exterior use

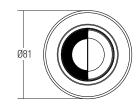


DIMENSIONS AND FIXING ACCESSORIES

Dimensions in mm

Soft silicon seal holds the fitting into the cut-out.

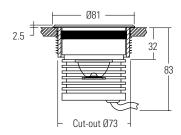
2.5 # Ø81 # 32 # 83 # 83 # Cut-out Ø65 # Cut-out Out-out Ø65 # Cut-out Out-out Out-o



/482S First fix sleeve

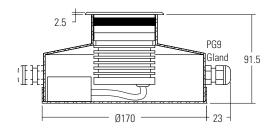
First fix sleeve is polypropylene. Fins on the side lock it into a range of mounting surfaces.





/482N or /482N-2 Concrete housing

Must be used when specifying the 700mA fitting. The aluminium housing is used as a heat sink which keeps the LED fitting cool through the thermal transfer of the heat within the housing to the surrounding concrete. The housings are big enough for IP rated connections to be made inside the housing and a second gland is available for cabling onto the next luminaire.







/482N Concrete housing with 1x PG9 IP67 gland

/482N-2 Concrete housing with 2x PG9 IP67 gland

/ID Optional integral non dimming driver (single colour only at 350mA or 500mA).



GLARE SHIELD OPTIONS

/NGS

No glare shield. Deep recessed optic and matt black anodised optic holder aids in glare reduction.



/GS

Standard glare shield provides an excellent balance between glare control and light output. This accessory works well in most applications.



/GSHM

Half-moon glare shield for applications that require very low glare. Lumen output typically reduced by 60%.

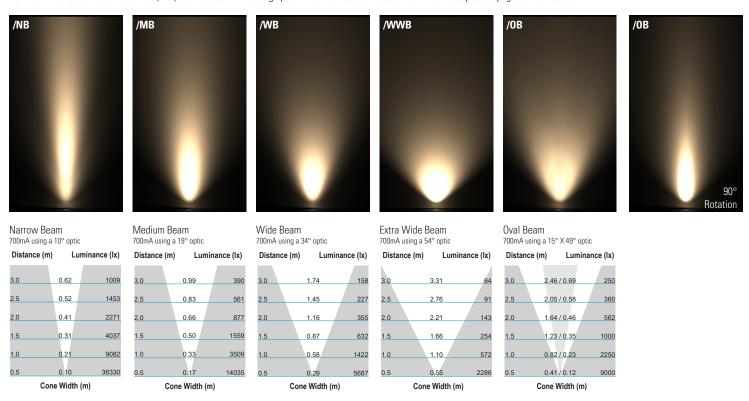




CONE DIAGRAMS

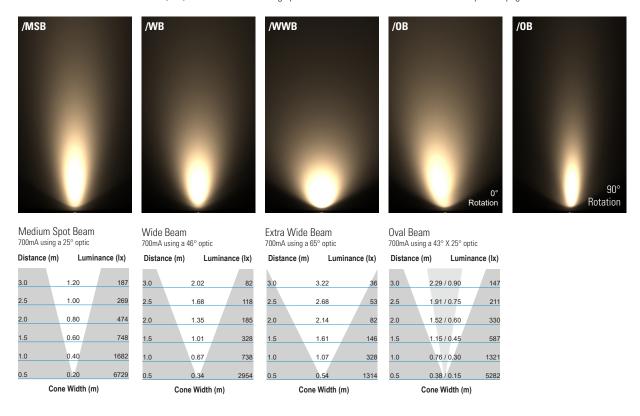
E2 LED engine

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 LD150 product page on the website.



F1 LED engine

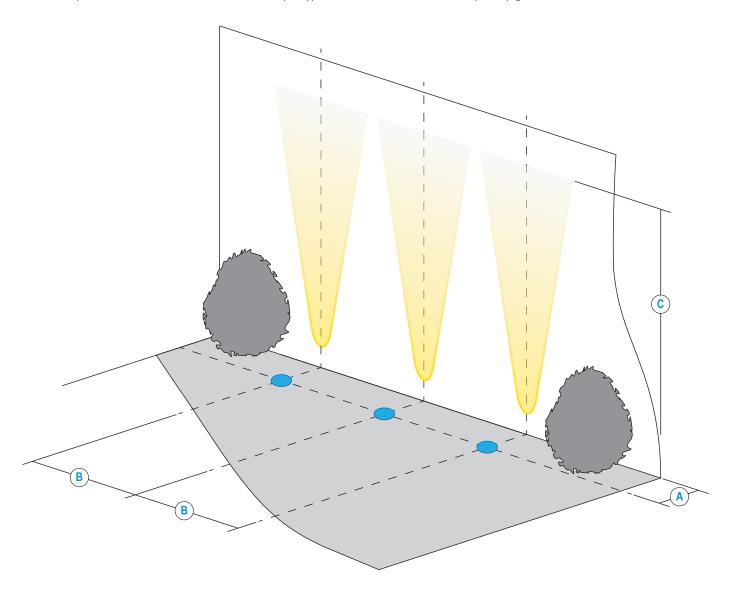
Cone diagrams below are based on a 3000K F1 LED engine run at maximum output 700mA, 10W. Images below represent beam outputs when wall washing a 3m wall, spaced 125mm away from the lit surface. Photometric files (LDT) are included in the design pack which can be downloaded from the LD150 product page on the website.





INSTALLATION GUIDE

Below is a luminaire positioning guide. Every project and lighting scenario will be different; the table below is to be used as a starting point for any wall wash design. Please use our photometric files to further test the desired effect for your application. Files are available on our LD150 product page on our website.



LD150)-E2	/NB	/MB	/WB	/WWB	/0B			
A	Distance from the centre of the fitting to the lit surface	125mm							
B	Spacing for an even wash	250mm*	350mm	400mm	500mm	500mm			
C	500mA Lit distance	6m	4.5m	2m	2m	4m			
C	700mA Lit distance	9m	5.5m	4m	3m	5m			

*Wall washing using narrow beam optics should only be used if the designer requires long	
distance lighting up the lit surface.	

LD15	0-F1	/MSB	/WB	/WWB	/OB			
A	Distance from the centre of the fitting to the lit surface	125mm						
B	Spacing for an even wash	350mm	400mm	500mm	500mm			
C	500mA Lit distance	2.5m	2m	1.5m	3m			
C	700mA Lit distance	5m	4m	2m	4m			

ORDER CODES & OPTIONS

Example: LD150-E2-700 / LW30 / NB / NGS / Stainless Steel / 482N

Light Engin	e & Drive Current		LED Colour option	ns		Beam / lens a	angle		Glare shields		Bezel finish options		Fixing accessories
LD150 -		/			/			/		/		/	
WHITE LED		•			•								
\oplus	E2												
5W LED at 350mA	LD150-E2-350		Extra Warm White (2700K)	/LW27		- 10° Narrow spot	/NB						
7W LED	LD150-E2-500		Warm White (3000K) White (4000K)-on request	/LW30 /LW40		19° Medium	/MB						
at 500mA	LD130 LZ 300		Cool White (5000K)	/LW50		34° Wide 54° Extra wide	/WB						
10W LED at 700mA	LD150-E2-700					15° x 49° Oval	/OB		/NGS		316 Stainless Steel		/482S
							700		71100		O TO Ottalinious ottosi		74020
0	F1				_								
3.5W LED at 350mA	LD150-F1-350		Super Warm White (2200K)	/LW22		25° Medium spot	/MSB						
5W LED	LD150-F1-500					46° Wide	/WB		/GS		Polished		/482N
at 500mA 7W LED	ED 130 11 300					65° Extra wide 43° x 25° Oval	/WWB				& Passivated Stainless Steel		
at 700mA	LD150-F1-700					43 X Z 3 OVd1	/06				(for marine environments)		at) (10
COLOUR &	DYNAMIC LED E	NGI	NES						/GSHM				/482N-2
	CL										Flamed Bronze (antique finish)		The state of the s
7W LED	LD150-CL-500		Red	/LR	-	24° Medium	/MB						3
at 500A			Green	/LG		38° Wide	/WB						/ID
			Blue	/LB /LA		54° Extra wide	/WWB						
			Allibei	/ []		20° x 46° Oval	/OB				Brass		
	RGBW												
3.5W LED at 350mA	LD150-RGBW-3	50				- 38° Colour mix	lens	_					
5W LED at 500mA	LD150-RGBW-50	00									Paint Finish - Black (RAL 9005)		
	TW												
3.5W LED at 350mA	LD150-TW-350		Tunable White 2700K & 4000K (standard option)	/LW27 + LW40	_	24° Medium 38° Wide	/MB				Paint Finish - White		
			Tunable White 2700K & 5000K	/LW27 + LW50		54° Extra wide	/WB				(RAL 9016)		
			Custom	/LW** + L**		20° x 46° Oval	/OB						
Driver											Paint Finish - RAL		
Drivers													

Use with 350mA, 500mA & 700mA constant current LED drivers

We have a range of dimmable LED drivers DMX and DALI compatible. Please see the downloads section on our website.