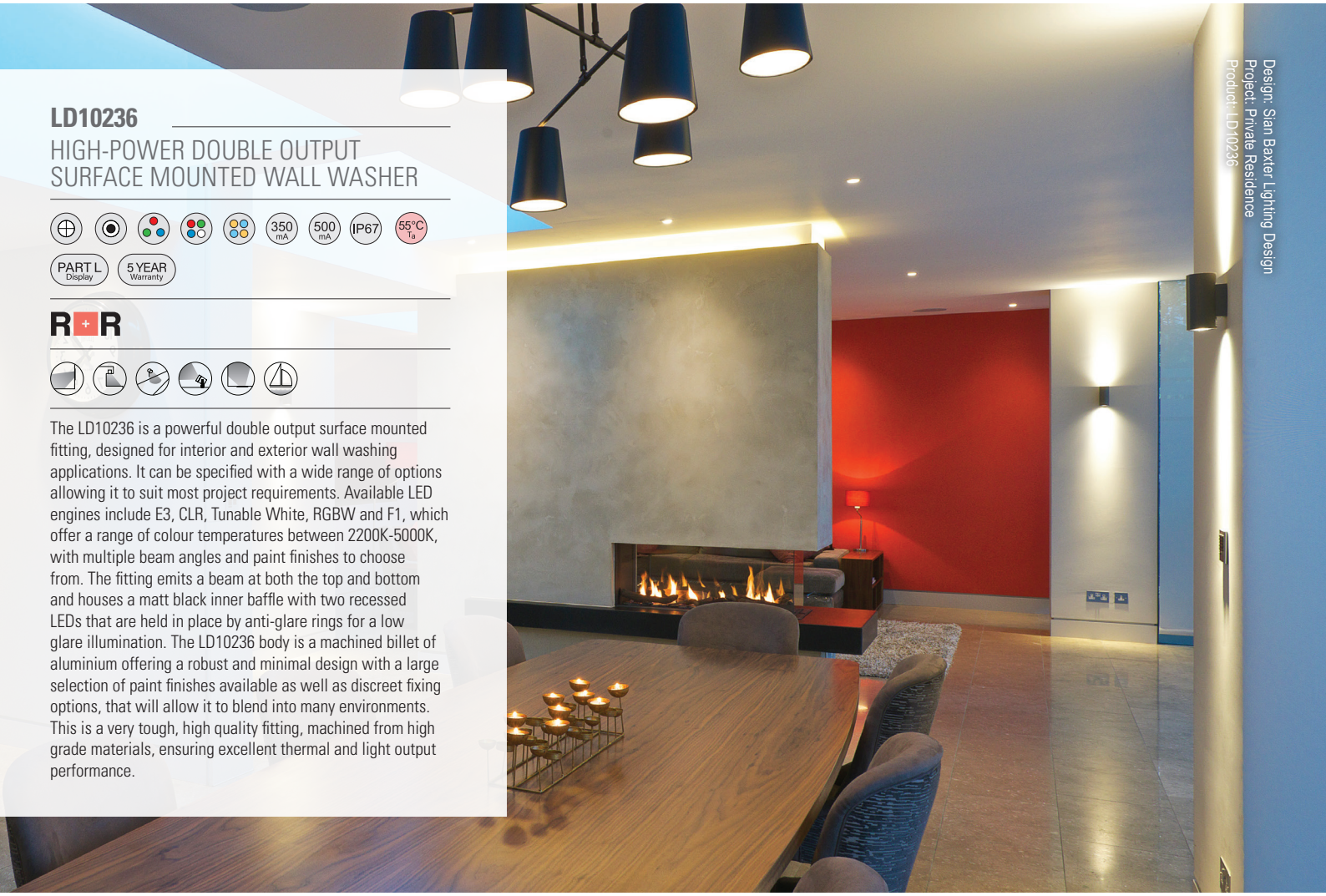


LD10236

HIGH-POWER DOUBLE OUTPUT SURFACE MOUNTED WALL WASHER

350 mA | 500 mA | IP67 | 55°C Ta | PART L Display | 5 YEAR Warranty

R+R

The LD10236 is a powerful double output surface mounted fitting, designed for interior and exterior wall washing applications. It can be specified with a wide range of options allowing it to suit most project requirements. Available LED engines include E3, CLR, Tunable White, RGBW and F1, which offer a range of colour temperatures between 2200K-5000K, with multiple beam angles and paint finishes to choose from. The fitting emits a beam at both the top and bottom and houses a matt black inner baffle with two recessed LEDs that are held in place by anti-glare rings for a low glare illumination. The LD10236 body is a machined billet of aluminium offering a robust and minimal design with a large selection of paint finishes available as well as discreet fixing options, that will allow it to blend into many environments. This is a very tough, high quality fitting, machined from high grade materials, ensuring excellent thermal and light output performance.

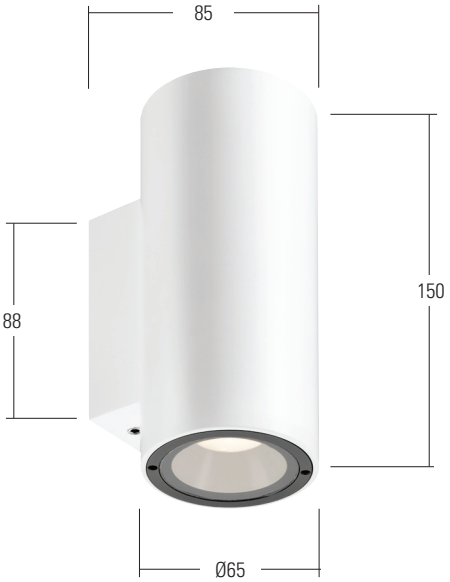
KEY FEATURES

- E3 engine featuring NICHIA LEDs, delivering up to 986 lumens (x2 LEDs) in 3000K with 2-step binning and built in reverse polarity protection
- Available with F1, RGBW and Tunable White LED engines and optional 2nd channel LEDs for secondary lighting applications
- Features two LEDs pointing up and down, recessed in a matt black anodised body for reduced glare
- Range of beam angles including a narrow 12° spot for lighting columns and arches, or a 15°x 49° spreader lens, which is ideal for wall washing applications
- Single optic with matt black inner baffle produces a very consistent beam with no multiple shadows
- Body is a machined solid billet of aluminium
- Paint finishes include: White (RAL 9016), Silver, Anthracite Grey (RAL 7016), Black (RAL 9005), Antique Bronze, Satin Antique Brass, Satin Brass or any RAL finish
- Discreet fixing with two grub screws behind the body
- Available with Switched, 0-10V, Casambi, DMX, Dali or Mains dimmable driver

DIMENSIONS

Dimensions in mm

For fitting dimensions please go to page 4.



WHITE LED ENGINE SPECIFICATION

Engine	E3 x 2		F1 x 2		
Beam angles	12°, 19°, 34°, 54°, 15°x 49°		25°, 46°, 65°, 18°x 45°.		
LED manufacturer	NICHIA		CREE		
Colour temperature	2200K, 2700K, 3000K, 4000K, 5000K		2200K, 2700K, 3000K, 4000K, 5000K		
Current [Rated Output]	350mA [10W**]	500mA [14W**]	350mA [7W**]	500mA [10W**]	700mA [14W**]
LED power (Max)	8.4W	12W	6.4W	9W	12.6W
Delivered lumens (L_{100})*	758	986	490	610	812
Lumens per circuit watt**	76	70	70	61	58
CRI (Typ)	85	90***	90		
Forward voltage (V_{100})	28V		18V		
Colour consistency	2 SDCM		3 SDCM		
Peak intensity	6104 cd		1641 cd		
LED lumens	1680		1246		
LOR	0.78		0.59		
TM30	RF85	RG99	RF90		
UGR***	8.0		8.1		
LED lifetime	L90B5 at 90,000hrs		L90B5 at 90,000hrs		
Applications					

These values are based around a LD10236-E3-700/830/NB & LD10236 -F1-700/922/MSB
*Lumen output data applies to all colour temperatures
**indicates the nominal power for the LED run at that particular current and includes losses associated with using an 85% efficient driver
***90 CRI available in 2700K/3000K only. Approx. 10% lumen drop will occur compared to 85 CRI variants
****UGR values based on room parameters of 4H 8H, C70 W50 F20

MECHANICAL

		350mA	500mA	700mA
Ambient temperature ○ 55°C	E3	-20°C to 55°C	-20°C to 55°C	-
	F1	-20°C to 55°C	-20°C to 55°C	-20°C to 50°C
Glass	Low iron glass 3mm thick			
Materials	Anodised aluminium body, with stainless steel fixing brackets			
Weight of product	1.26kg			
IP rating	IP67			
IK rating	IK08			
Wiring	In-series constant current wiring (pre-wired with 2 core cable at a length of 1m)			

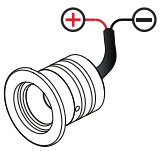
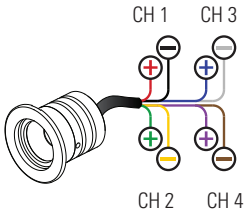
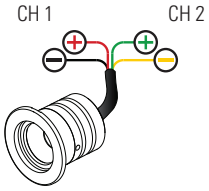
ENVIRONMENTAL

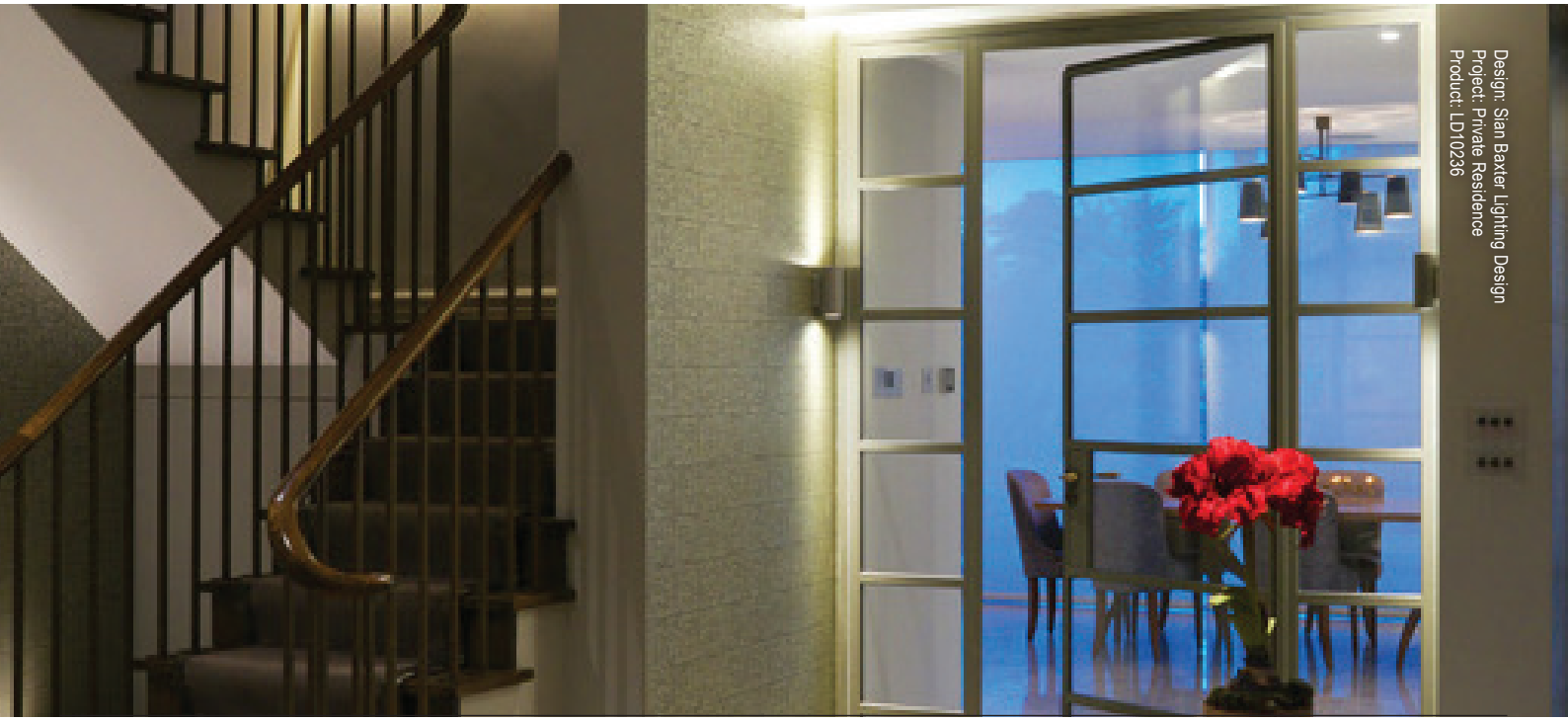
TM65	Available on request
TM66	2.5
Repair + Refurbish	R+R This product is included in our Repair and Refurbish scheme. This offers customers the ability to send back products to us for repair or refurbishment to extend their life without having to buy new fittings.

COLOUR & DYNAMIC LED ENGINE SPECIFICATION

Engine	CLR - Colour	RGBW		TW - Tunable White	
Beam Angles	24°, 38°, 54°, 20° x 46°	38° colour mix lens		24°, 38°, 54°, 20° x 46°	
LED manufacturer	CREE	CREE		CREE	
Colour temperature	Red, Green, Blue, Amber	Red, Green, Blue, 4000K White		Warm White 2700K or 3000K	Cool White 4000K or 5000K
Current	500mA	350mA	500mA	350mA	500mA
LED power (Max)	7W	5W	7W	6.3W (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	1.26kg		
IP rating	IP67		
IK rating	IK08		
Wiring	**CLR** - 2 core cables at 1m in length 	**RGBW** - 8 core cables at 1m in length 	**TW** - 4 core cables at 1m in length 



AVAILABLE FINISHES

Please refer to our finishes guide for full details

POWDER COAT PAINT FINISHES

Our paint finishes are suitable for interior, exterior, and high-saline environments. All our painted finishes are applied in-house, allowing us to maintain complete control over quality and consistency. This also means we can easily accommodate any RAL colour specification in addition to our standard colour range, offering you full flexibility for custom projects.



MATT BLACK
/PCBLK



MATT WHITE
/PCWHT



ANTIQUE WHITE
/PCAWHT



MATT SILVER
/PCMS



ANTHRACITE GREY
/PCANTGREY



GUNMETAL GREY
/PCGMG



ANTIQUE BRONZE
/PCANTBRZ



EARTH BRONZE
/PCEBRZ



DESERT BRONZE
/PCDBRZ



TEXTURED MARS BRONZE
/PCMARS



TEXTURED FIR GREEN
/PCTFG



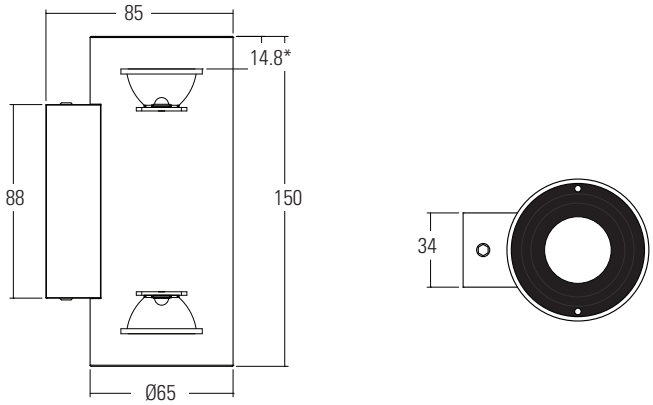
WHITE STONE
/PCTWS



CUSTOM RAL
/CUSTFINISH

DIMENSIONS

Dimensions in mm

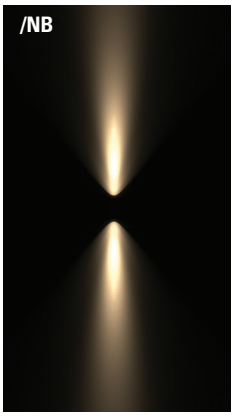


* 4.3mm when using the taller RGBW optic

CONE DIAGRAMS

E3 LED Engine

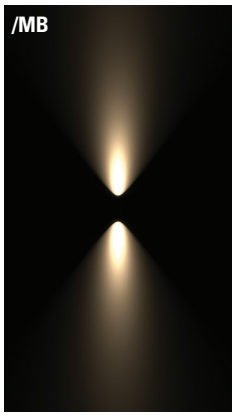
Cone diagrams below are based on a 3000K E3 LED engine run at maximum output 500mA in one direction. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10236 product page on the website.



Narrow Beam
500mA using a 12° optic

Distance (m)		Illuminance (lx)
3.0	0.76	505
2.5	0.63	727
2.0	0.51	1136
1.5	0.38	2019
1.0	0.25	4542
0.5	0.13	18170

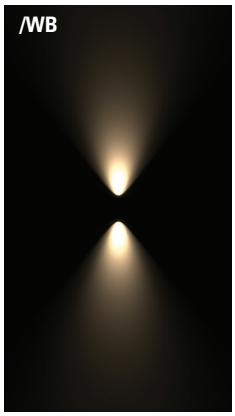
Cone Width (m)



Medium Beam
500mA using a 19° optic

Distance (m)		Illuminance (lx)
3.0	1.05	291
2.5	0.87	419
2.0	0.70	654
1.5	0.52	1163
1.0	0.35	2616
0.5	0.17	10466

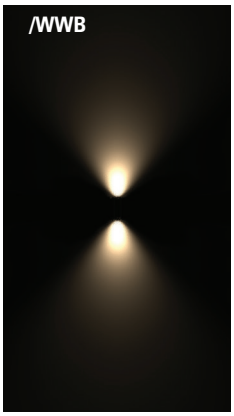
Cone Width (m)



Wide Beam
500mA using a 34° optic

Distance (m)		Illuminance (lx)
3.0	1.77	121
2.5	1.47	174
2.0	1.18	271
1.5	0.88	483
1.0	0.59	1086
0.5	0.29	4344

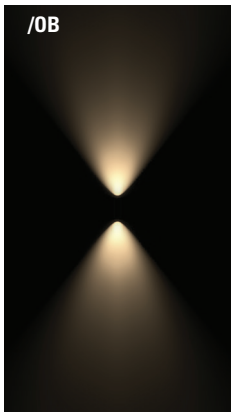
Cone Width (m)



Extra Wide Beam
500mA using a 54° optic

Distance (m)		Illuminance (lx)
3.0	3.24	56
2.5	2.70	81
2.0	2.16	126
1.5	1.63	224
1.0	1.08	504
0.5	0.54	2014

Cone Width (m)



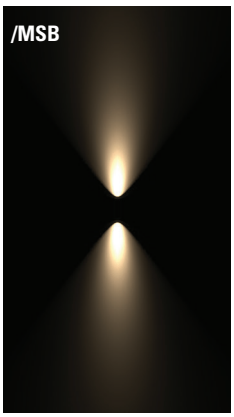
Oval Beam
500mA using a 15° X 49° optic

Distance (m)		Illuminance (lx)
3.0	2.46 / 0.75	199
2.5	2.05 / 0.62	287
2.0	1.64 / 0.50	448
1.5	1.23 / 0.37	796
1.0	0.82 / 0.25	1792
0.5	0.41 / 0.12	7167

Cone Width (m)

F1 LED Engine

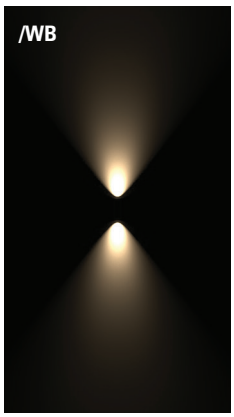
Cone diagrams below are based on a 2200K F1 LED engine run at maximum output 700mA in one direction. Photometric files (LDT) are included in the design pack which can be downloaded from the LD10236 product page on the website.



Medium Spot Beam
700mA using a 25° optic

Distance (m)		Illuminance (lx)
3.0	1.17	202
2.5	0.97	290
2.0	0.78	454
1.5	0.58	806
1.0	0.39	1814
0.5	0.19	7256

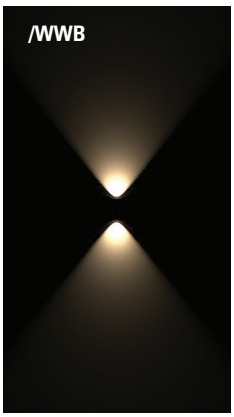
Cone Width (m)



Wide Beam
700mA using a 46° optic

Distance (m)		Illuminance (lx)
3.0	2.02	82
2.5	1.68	119
2.0	1.35	185
1.5	1.01	330
1.0	0.67	742
0.5	0.34	2968

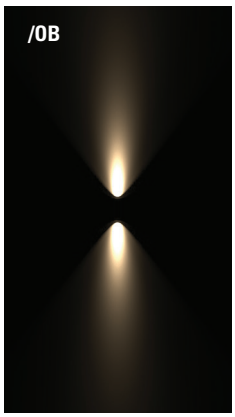
Cone Width (m)



Extra Wide Beam
700mA using a 65° optic

Distance (m)		Illuminance (lx)
3.0	3.85	39
2.5	3.21	56
2.0	2.57	88
1.5	1.93	156
1.0	1.28	351
0.5	0.64	1402

Cone Width (m)



Oval Beam
700mA using a 18° X 45° optic

Distance (m)		Illuminance (lx)
3.0	2.47 / 0.91	149
2.5	2.06 / 0.76	214
2.0	1.65 / 0.60	335
1.5	1.24 / 0.45	595
1.0	0.82 / 0.30	1339
0.5	0.41 / 0.15	5357

Cone Width (m)

LIAQA ASSURED COMPANY
MADE IN BRITAIN
Lloyd's Register

ORDER CODES & OPTIONS

Example: LD10236-E3-350/830/NB/Silver Anodised

Light engine & drive current		LED colour		Beam angle		Finish
LD10236 -	/		/		/	

Ambient temperature key: 55°C

WHITE LED ENGINES

E3

55°C Ta	5W LED at 350mA	LD10236-E3-350	2200K 85+ CRI	/822	12° Narrow spot	/NB
55°C Ta	7W LED at 500mA	LD10236-E3-500	2700K 85+ CRI	/827	19° Medium	/MB
			3000K 85+ CRI	/830	34° Wide	/WB
			4000K 85+ CRI on request	/840	54° Extra wide	/WWB
			5000K 85+ CRI	/850	15° x 49° Oval	/OB
			2700K 90+ CRI	/927		
			3000K 90+ CRI	/930		

F1

55°C Ta	3.5W LED at 350mA	LD10236-F1-350	2200K 90+ CRI	/922	25° Medium spot	/MSB
55°C Ta	5W LED at 500mA	LD10236-F1-500	2700K 90+ CRI	/927	46° Wide	/WB
	7W LED at 700mA	LD10236-F1-700	3000K 90+ CRI	/930	65° Extra wide	/WWB
			4000K 90+ CRI on request	/940	18° x 45° Oval	/OB
			5000K 90+ CRI	/950		

Finish
Matt Black
Matt White
Antique White
Matt Silver
Anthracite Grey
Gun Metal Grey
Antique Bronze
Earth Bronze
Desert Bronze
Textured Mars Bronze
Textured Fir Green
White Stone
Any 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.

ORDER CODES & OPTIONS

Example: LD10236-RGBW-350/38° Colour mix lens/Silver Anodised

Light engine & drive current		LED colour		Beam angle		Finish
LD10236 -	/		/		/	

COLOUR & DYNAMIC LED ENGINES

CLR

7W LED at 500mA	LD10236-CLR-500

Red	/LR
Green	/LG
Blue	/LB
Amber	/LA

24° Medium	/MB
38° Wide	/WB
54° Extra wide	/WWB
20° x 46° Oval	/OB

RGBW

5W LED at 350mA	LD10236-RGBW-350
7W LED at 500mA	LD10236-RGBW-500

38° Colour mix lens

TW

3.5W LED at 350mA	LD10236-TW-350

Tunable White 2700K & 4000K*	/827 + 840
Tunable White 2700K & 5000K	/827 + 850
Custom	/8** + 8**

*Standard option

24° Medium	/MB
38° Wide	/WB
54° Extra wide	/WWB
20° x 46° Oval	/OB

	Matt Black
	Matt White
	Antique White
	Matt Silver
	Anthracite Grey
	Gun Metal Grey
	Antique Bronze
	Earth Bronze
	Desert Bronze
	Textured Mars Bronze
	Textured Fir Green
	White Stone
	Any 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.