

Spera



Spera is a new linear lighting system designed to accentuate exterior architecture and space. Available in modular runs with design flexibility at its heart. The Spera supports RGBW colour change with DMX control, in ‘Solid White’ with DALI control.

Features:

- RGBW with DMX control
 - White (2700K, 3000K and 4000K) with DALI control
 - Tight LED bin select
 - Three optical distribution options (spot, wide, oval)
 - Louvre and baffle options
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- Three length options (600mm, 900mm 1200mm)
 - Low & slim profile
 - Plug & socket, modular, fitted connectors
 - Integrated driver
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- IP68*
 - IK10
 - Extended operating temperature up 50°c
 - Corrosive resistant– body, driver, connectors

Benefits:

- Delivering high quality saturated fixed and dynamic colour, consistency and control, to facilitate wall wash, flood and colour graze effects
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- Simple, discrete, easy to install low profile mounting, allowing for design flexibility, with installation runs of up to 32 luminaires (subject to MCB size and rating)
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- Rugged and weather resistant for exterior applications

3rd party tested at 500mm for 30 minutes immersion, however Spera is not to be used in applications where submersion is likely

LED and Driver

- High performance linear White (2700K, 3000K or 4000K) or RGBW (Red, Green, Blue, White) LED strip and LED operating driver current-controlled, DMX, DALI compatible

Materials

- IP68, IK10 luminaire, sealed body aluminium housing
- Impact resistant TPa Polycarbonate cover
- Aluminium gear tray, for optimised LED thermal management
- IP68 Plug and Play panel mounted connector
- Versatile mild steel mounting brackets

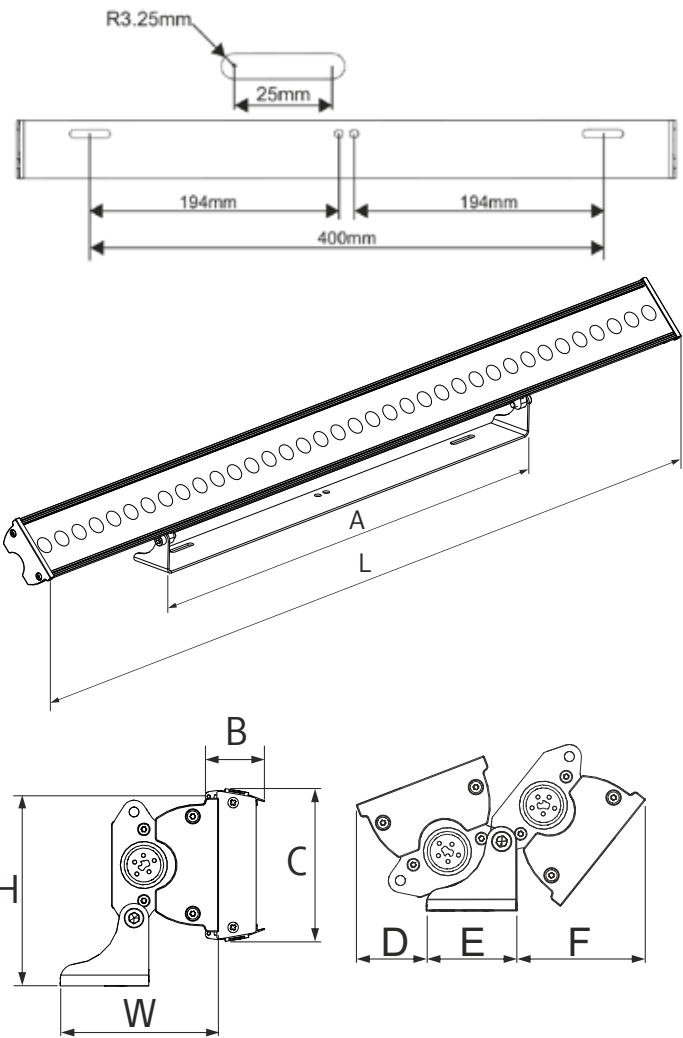
Installation Notes

- Mounting bracket supplied for horizontal or vertical mounting
- No requirement to access IP68 sealed unit
- Luminaire and lead are only IP68 once connected, if luminaire socket or lead is not connected the terminals are open, therefore it is not IP68.
- Fused as standard
- Continuous installation runs of up to 32 luminaires (of any lengths) subject to MCB size and rating

Specification

To specify state: IP68 IK10 LED Linear luminaire with RGBW or White (2700K, 3000K, 4000K options) and Spot, Wide and Oval optic versions. Extended operating temperature with plug and socket, modular, fitted connectors as Eaton’s Spera, part no: _____

Fixing brackets



Dimensions and weights

Variant	Length (L)	Width (W)	Height (H)	A	B	C	D	E	F	White output weight (Kg)	Colour output weight (Kg)
600	603	80.5	95.5	514	30	78	35.5	45	65	1.92	2.17
900	898	80.5	95.5	514	30	78	35.5	45	65	2.47	2.67
1200	1193	80.5	95.5	514	30	78	35.5	45	65	3.01	3.16

All dimensions are in millimetres (mm)



Spera with bracket

Example design



Spot



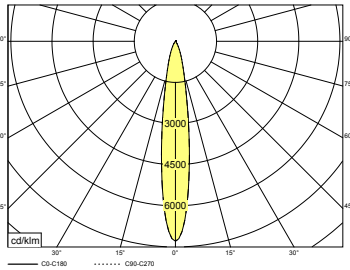
Wide



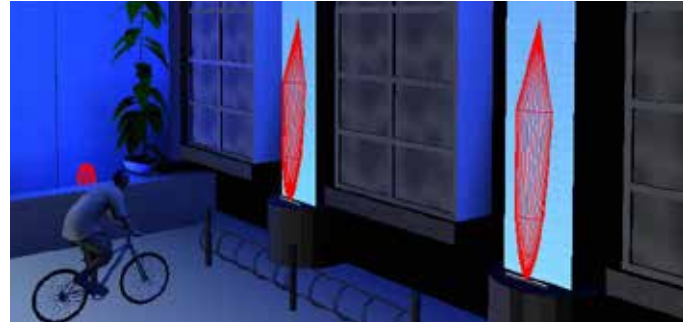
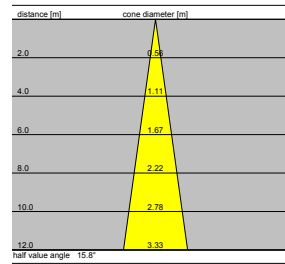
Oval



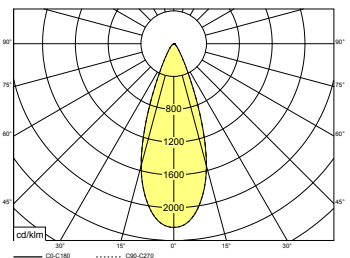
Photometric
Spot



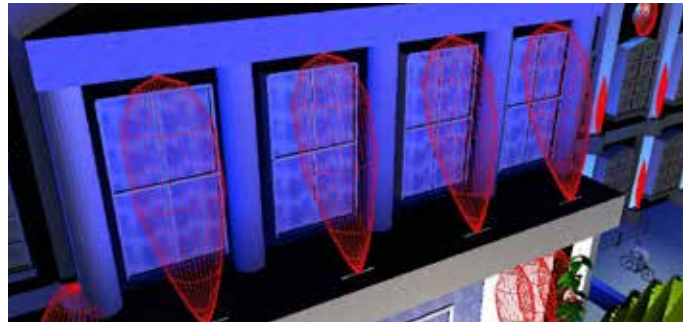
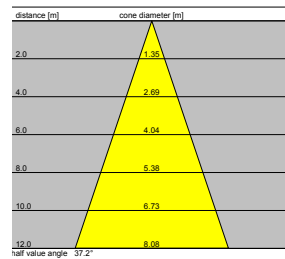
Spera Spot



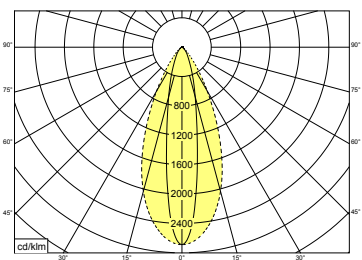
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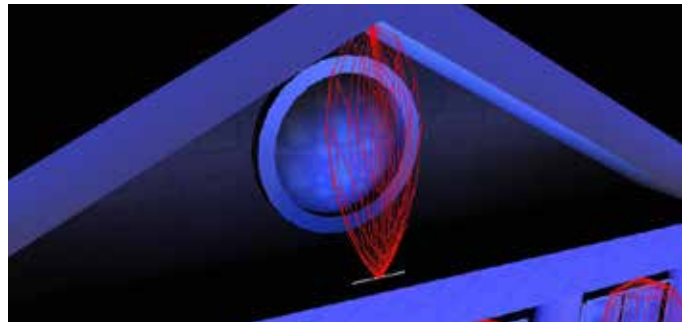
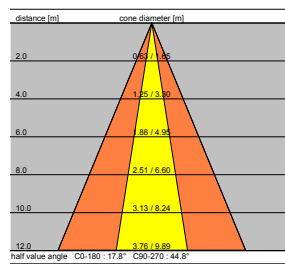
Spera Wide



Oval



Spera Oval



Data for white luminaires - use standard LDT files

	Beam angle	600mm			900mm			1200mm		
		Part No.	Lumens	Watt	Part No.	Lumens	Watt	Part No.	Lumens	Watt
White 2700K Spot	22	SPTS600W2KDD	1616	30W	SPTS900W2KDD	2423	43W	SPTS1200W2KDD	3231	55W
White 2700K Wide	37	SPTW600W2KDD	1918	30W	SPTW900W2KDD	2877	43W	SPTW1200W2KDD	3836	55W
White 2700K Oval	45-21	SPTO600W2KDD	1679	30W	SPTO900W2KDD	2519	43W	SPTO1200W2KDD	3358	55W
White 3000K Spot	22	SPTS600W3KDD	1838	30W	SPTS900W3KDD	2756	43W	SPTS1200W3KDD	3675	55W
White 3000K Wide	37	SPTW600W3KDD	2182	30W	SPTW900W3KDD	3272	43W	SPTW1200W3KDD	4363	55W
White 3000K Oval	45-21	SPTO600W3KDD	1912	30W	SPTO900W3KDD	2867	43W	SPTO1200W3KDD	3823	55W
White 4000K Spot	22	SPTS600W4KDD	2164	30W	SPTS900W4KDD	3246	43W	SPTS1200W4KDD	4328	55W
White 4000K Wide	37	SPTW600W4KDD	2332	30W	SPTW900W4KDD	3497	43W	SPTW1200W4KDD	4663	55W
White 4000K Oval	45-21	SPTO600W4KDD	2045	30W	SPTO900W4KDD	3067	43W	SPTO1200W4KDD	4089	55W

Data for individual channel / colour mode in RGBW luminaire - amend standard LDT files to values below.

	Dominant wavelength	600mm			900mm			1200mm		
		Part No.	Lumens*	Watt*	Part No.	Lumens*	Watt*	Part No.	Lumens*	Watt*
Red Spot	620-630nm	SPTS600RGBWDX	283	9W	SPTS900RGBWDX	425	12W	SPTS1200RGBWDX	566	16W
Green Spot	520-535nm		509	9W		764	12W		1018	16W
Blue Spot	455-460nm	Spera 600mm spot RGBW with DMX	226	9W	Spera 900mm spot RGBW with DMX	338	12W	Spera 1200mm spot RGBW with DMX	451	16W
White Spot	3000K		459	9W		689	12W		919	16W
Red Wide	620-630nm		311	9W		467	12W		622	16W
Green Wide	520-535nm	SPTW600RGBWDX	571	9W	SPTW900RGBWDX	857	12W	SPTW1200RGBWDX	1142	16W
Blue Wide	455-460nm	Spera 600mm wide RGBW with DMX	260	9W	Spera 900mm wide RGBW with DMX	390	12W	Spera 1200mm wide RGBW with DMX	520	16W
White Wide	3000K		545	9W		818	12W		1091	16W
Red Oval	620-630nm	SPTO600RGBWDX	275	9W	SPTO900RGBWDX	412	12W	SPTO1200RGBWDX	549	16W
Green Oval	520-535nm		491	9W		736	12W		981	16W
Blue Oval	455-460nm	Spera 600mm oval RGBW with DMX	224	9W	Spera 900mm oval RGBW with DMX	335	12W	Spera 1200mm oval RGBW with DMX	447	16W
White Oval	3000K		478	9W		717	12W		956	16W

*Values for single channel / colour mode. Note: RGBW White is 3000K

Accessories



SPTSPLIT Spera Cable Splitter 1 in 2 out



SPT600REF Spera Side baffle - 600MM

SPT900REF Spera Side baffle - 900MM

SPT1200REF Spera Side baffle - 1200MM



SPT600LVR Spera Louvre assembly - 600MM

SPT900LVR Spera Louvre assembly - 900MM

SPT1200LVR Spera Louvre assembly - 1200MM

SPTCABTER Spera End of run DMX termination
*Must be used to terminate a DMX run if there are any unused outputs.

SPTCABEOL Spera End of line cover IP68



SPTCABCOB Spera Live end connection box



SPT2CAB2M Spera Connecting cable 2M

SPT3CAB3M Spera Connecting cable 3M

SPT5CAB5M Spera Connecting cable 5M



SPT3CABSRT Spera ENT cable termination one end 3M

SPT5CABSRT Spera ENT cable termination one end 5M

SPT10CABSRT Spera ENT cable termination one end 10M