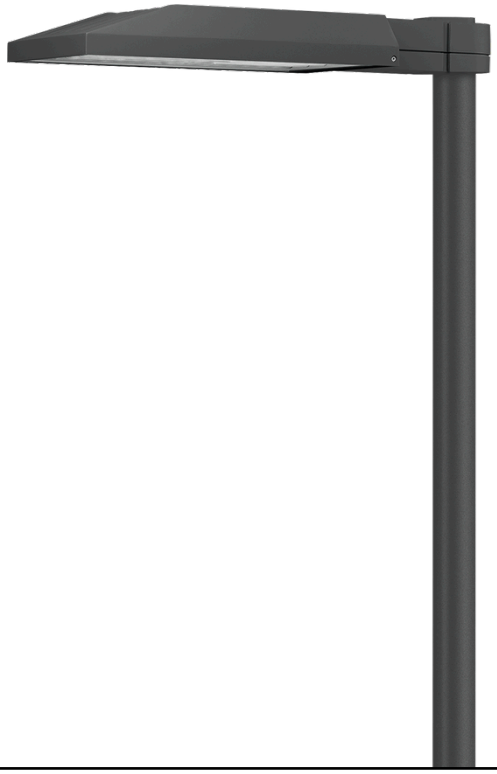


Pole-Mounted Luminaires

PFL540 LED

IP66, Class I. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection + primer including PCS hardware. Silicone CCG® Controlled Compression Gasket. PMMA RFC® Reflection Free Contour technology. LED board can be easily removed to upgrade. CAD-optimised OLC® PMMA lens for superior illumination and glare control. DALI. Optional: Side Entry (see Mounting Accessories) Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering.

A professional lighting design in consultation with the relevant sections of AS/NZS-1158.4:2015 is essential for all applications with the [P45] lens.

Post-top	48 – 207 W	5353 – 25087 lm	IP66 / IK08
Variant	Wattage	Rated lumens	IP / IK

Lighting

Light distribution

[S70] asymmetric, side throw

[S65] asymmetric, side throw

[S60] asymmetric, side throw

[R65] rectangular, side throw

[A60] asymmetric, forward throw

[P45L] pedestrian crossing, left-hand traffic

[P45R] pedestrian crossing, right-hand traffic

Colour temperature

Wattage

2700K

48 W
72 W

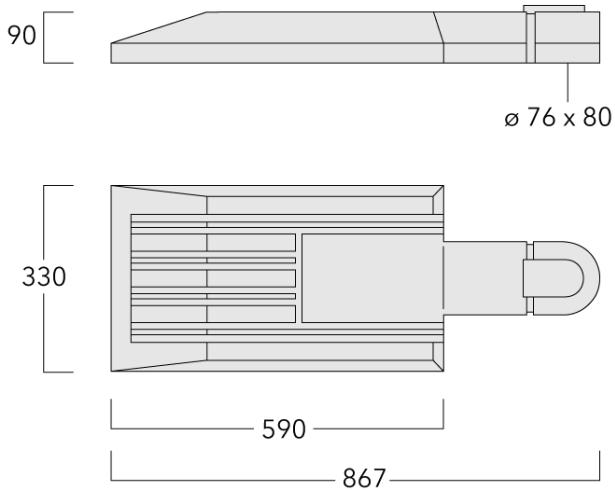
3000K

96 W
108 W

4000K

144 W
207 W

Physical description



Length	867 mm
Width	330 mm
Weight	14 kg
Body	Marine-grade, die-cast aluminium alloy
Lens	PMMA RFC® Reflection Free Contour technology
Colours	**RAL9004** Signal black; **RAL9006** White aluminium; **RAL9007** Grey aluminium
Finish	Powdercoat finish in black RAL9004, grey aluminium RAL9007, white aluminium RAL9006 or white RAL9016
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware (unpainted)
Mounting	Recommended mounting height 2.5-8.0 m, depending on wattage and light distribution.
Ingress protection	IP66
Impact resistance	IK08
Corrosion resistance	5CE+Primer
Windage	0.23

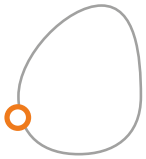
Electrical description

Power supply	230V / 50 Hz
Driver / Ballast	Integral EC electronic converter. DALI
Cable	Pre-wired with 12 m cable in standard.
Surge protection	In-pole surge protection SP10 device supplied. Please refer to WE-EF installation instructions for details. Use suffix +A for Integral surge protection.
Energy efficiency	The product is supplied with 10-year warranty. Please refer to the LED Warranty Statement located on www.we-ef.com for further details.

Additional information

Listings	AEMO load table: 28.6 W (12 LED version), 55.5 W (24 LED version), 81.2 W (36 LED version) and 108.3
Lifetime	Ta=40° L90B10 > 90000h

Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
[A60] asymmetric, forward throw	108-2478	LED-24/48W/2700K	5352.6 lm	54 W	80
	108-1019	LED-24/48W/3000K	5749.1 lm	54 W	80
	108-0961	LED-24/48W/4000K	6145.6 lm	54 W	80
	108-2479	LED-24/72W/2700K	8110.5 lm	79 W	80
	108-1021	LED-24/72W/3000K	8506.1 lm	79 W	80
	108-0964	LED-24/72W/4000K	8901.8 lm	79 W	80
	108-2480	LED-36/72W/2700K	8029 lm	79 W	80
	108-1023	LED-36/72W/3000K	8623.7 lm	79 W	80
	108-0962	LED-36/72W/4000K	9218.5 lm	79 W	80
	108-2481	LED-36/108W/2700K	12165.7 lm	115 W	80
	108-1025	LED-36/108W/3000K	12759.2 lm	115 W	80
	108-0965	LED-36/108W/4000K	13352.6 lm	115 W	80
	108-2482	LED-48/96W/2700K	10705.3 lm	105.5 W	80
	108-1027	LED-48/96W/3000K	11498.3 lm	105.5 W	80
	108-0963	LED-48/96W/4000K	12291.3 lm	105.5 W	80
	108-2483	LED-48/144W/2700K	16221 lm	154 W	80
	108-1029	LED-48/144W/3000K	17012.3 lm	154 W	80
	108-0966	LED-48/144W/4000K	17803.5 lm	154 W	80
	108-2650	LED-48/207W/2700K	20573 lm	209 W	80
	108-2651	LED-48/207W/3000K	21759.9 lm	209 W	80
	108-2652	LED-48/207W/4000K	22749 lm	209 W	80
[P45L] pedestrian crossing, left-hand traffic	108-1963	LED-36/72W/3000K	9859.3 lm	79 W	80
	108-1964	LED-36/72W/4000K	10539.2 lm	79 W	80
	108-1971	LED-36/108W/3000K	13923 lm	115 W	80
	108-1972	LED-36/108W/4000K	14570.6 lm	115 W	80
	108-1967	LED-48/96W/3000K	13145.7 lm	105.5 W	80
	108-1968	LED-48/96W/4000K	14052.3 lm	105.5 W	80
	108-1975	LED-48/144W/3000K	18564 lm	154 W	80
	108-1976	LED-48/144W/4000K	19427.4 lm	154 W	80
 [P45R] pedestrian crossing, right-hand traffic	108-1965	LED-36/72W/3000K	9859.3 lm	79 W	80
	108-1966	LED-36/72W/4000K	10539.2 lm	79 W	80
	108-1973	LED-36/108W/3000K	13923 lm	115 W	80
	108-1974	LED-36/108W/4000K	14570.6 lm	115 W	80
	108-1969	LED-48/96W/3000K	13145.7 lm	105.5 W	80
	108-1970	LED-48/96W/4000K	14052.3 lm	105.5 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	108-1977	LED-48/144W/3000K	18564 lm	154 W	80
	108-1978	LED-48/144W/4000K	19427.4 lm	154 W	80
	108-2653	LED-48/207W/2700K	22449.5 lm	209 W	80
	108-2654	LED-48/207W/3000K	23744.6 lm	209 W	80
	108-2655	LED-48/207W/4000K	24823.9 lm	209 W	80
[R65] rectangular, side throw	108-2472	LED-24/48W/2700K	5483.3 lm	54 W	80
	108-1031	LED-24/48W/3000K	5889.5 lm	54 W	80
	108-0955	LED-24/48W/4000K	6295.7 lm	54 W	80
	108-2473	LED-24/72W/2700K	8295.2 lm	79 W	80
	108-1033	LED-24/72W/3000K	8699.8 lm	79 W	80
	108-0958	LED-24/72W/4000K	9104.5 lm	79 W	80
	108-2474	LED-36/72W/2700K	8225 lm	79 W	80
	108-1035	LED-36/72W/3000K	8834.2 lm	79 W	80
	108-0956	LED-36/72W/4000K	9443.5 lm	79 W	80
	108-2475	LED-36/108W/2700K	12442.8 lm	115 W	80
	108-1037	LED-36/108W/3000K	13049.8 lm	115 W	80
	108-0959	LED-36/108W/4000K	13656.7 lm	115 W	80
	108-2476	LED-48/96W/2700K	10966.6 lm	105.5 W	80
	108-1039	LED-48/96W/3000K	11779 lm	105.5 W	80
	108-0957	LED-48/96W/4000K	12591.3 lm	105.5 W	80
	108-2477	LED-48/144W/2700K	16590.4 lm	154 W	80
	108-1041	LED-48/144W/3000K	17399.7 lm	154 W	80
	108-0960	LED-48/144W/4000K	18209 lm	154 W	80
	108-2647	LED-48/207W/2700K	21041.5 lm	209 W	80
	108-2648	LED-48/207W/3000K	22255.4 lm	209 W	80
	108-2649	LED-48/207W/4000K	23267 lm	209 W	80
[S60] asymmetric, side throw	108-2454	LED-24/48W/2700K	5836.4 lm	54 W	80
	108-0985	LED-24/48W/3000K	6268.7 lm	54 W	80
	108-0949	LED-24/48W/4000K	6701 lm	54 W	80
	108-2455	LED-24/72W/2700K	8772.3 lm	79 W	80
	108-0987	LED-24/72W/3000K	9200.3 lm	79 W	80
	108-0952	LED-24/72W/4000K	9628.2 lm	79 W	80
	108-2456	LED-36/72W/2700K	8754.6 lm	79 W	80
	108-0993	LED-36/72W/3000K	9403.1 lm	79 W	80
	108-0950	LED-36/72W/4000K	10051.6 lm	79 W	80
	108-2457	LED-36/108W/2700K	13158.5 lm	115 W	80
	108-0989	LED-36/108W/3000K	13800.4 lm	115 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	108-0953	LED-36/108W/4000K	14442.3 lm	115 W	80
	108-2458	LED-48/96W/2700K	11672.8 lm	105.5 W	80
	108-0995	LED-48/96W/3000K	12537.4 lm	105.5 W	80
	108-0951	LED-48/96W/4000K	13402.1 lm	105.5 W	80
	108-2459	LED-48/144W/2700K	17544.7 lm	154 W	80
	108-0991	LED-48/144W/3000K	18400.5 lm	154 W	80
	108-0954	LED-48/144W/4000K	19256.4 lm	154 W	80
	108-2638	LED-48/207W/2700K	22251.8 lm	209 W	80
	108-2639	LED-48/207W/3000K	23535.6 lm	209 W	80
	108-2640	LED-48/207W/4000K	24605.4 lm	209 W	80
[S65] asymmetric, side throw	108-2460	LED-24/48W/2700K	5891 lm	54 W	80
	108-1009	LED-24/48W/3000K	6327.3 lm	54 W	80
	108-0828	LED-24/48W/4000K	6763.7 lm	54 W	80
	108-2461	LED-24/72W/2700K	8944.1 lm	79 W	80
	108-1011	LED-24/72W/3000K	9380.3 lm	79 W	80
	108-0829	LED-24/72W/4000K	9816.6 lm	79 W	80
	108-2462	LED-36/72W/2700K	8836.5 lm	79 W	80
	108-1043	LED-36/72W/3000K	9491 lm	79 W	80
	108-0830	LED-36/72W/4000K	10145.6 lm	79 W	80
	108-2463	LED-36/108W/2700K	13416.1 lm	115 W	80
	108-1013	LED-36/108W/3000K	14070.5 lm	115 W	80
	108-0831	LED-36/108W/4000K	14725 lm	115 W	80
	108-2464	LED-48/96W/2700K	11781.9 lm	105.5 W	80
	108-1015	LED-48/96W/3000K	12654.7 lm	105.5 W	80
	108-0832	LED-48/96W/4000K	13527.4 lm	105.5 W	80
	108-2465	LED-48/144W/2700K	17888.1 lm	154 W	80
	108-1017	LED-48/144W/3000K	18760.7 lm	154 W	80
	108-0833	LED-48/144W/4000K	19633.3 lm	154 W	80
	108-2641	LED-48/207W/2700K	22687.4 lm	209 W	80
	108-2642	LED-48/207W/3000K	23996.2 lm	209 W	80
	108-2643	LED-48/207W/4000K	25087 lm	209 W	80
[S70] asymmetric, side throw	108-2466	LED-24/48W/2700K	5736 lm	54 W	80
	108-0997	LED-24/48W/3000K	6160.9 lm	54 W	80
	108-0824	LED-24/48W/4000K	6585.8 lm	54 W	80
	108-2467	LED-24/72W/2700K	8635.7 lm	79 W	80
	108-0999	LED-24/72W/3000K	9056.9 lm	79 W	80
	108-0825	LED-24/72W/4000K	9478.2 lm	79 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	108-2468	LED-36/72W/2700K	8604 lm	79 W	80
	108-1001	LED-36/72W/3000K	9241.3 lm	79 W	80
	108-0823	LED-36/72W/4000K	9878.6 lm	79 W	80
	108-2469	LED-36/108W/2700K	12953.5 lm	115 W	80
	108-1003	LED-36/108W/3000K	13585.4 lm	115 W	80
	108-0826	LED-36/108W/4000K	14217.3 lm	115 W	80
	108-2470	LED-48/96W/2700K	11472 lm	105.5 W	80
	108-1005	LED-48/96W/3000K	12321.7 lm	105.5 W	80
	108-0822	LED-48/96W/4000K	13171.5 lm	105.5 W	80
	108-2471	LED-48/144W/2700K	17271.4 lm	154 W	80
	108-1007	LED-48/144W/3000K	18113.9 lm	154 W	80
	108-0827	LED-48/144W/4000K	18956.4 lm	154 W	80
	108-2644	LED-48/207W/2700K	21905.1 lm	209 W	80
	108-2645	LED-48/207W/3000K	23168.9 lm	209 W	80
	108-2646	LED-48/207W/4000K	24222 lm	209 W	80

Pole-Mounted Luminaires

PFL540 LED

we-ef

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