

### Description

The RFL120 features an elegant round shape, designed with the future in mind, offering a full suite of connectivity options. Post top installation on poles, seamlessly blending into urban landscapes by day and night. Constructed from marine-grade, die-cast aluminium alloy, with an IP66 rating, 5CE superior corrosion protection including PCS hardware and CCG® Controlled Compression Gasket. Non-reflective flat safety glass cover, hinged. Integral EC electronic converter, class I or class II. OLC® One LED Concept CAD-optimised optics and non-reflective flat safety glass cover, hinged, provide superior illumination and glare control. The luminaire is factory-sealed and does not need to be opened during installation. RFL120 post top variant with spigot size Ø 76 x 85 mm. Ø 60 x 85 mm with corresponding reducer available as an option. Must be indicated during order placement. Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

Photometric files (IES, LDT) for light distributions [S65] [S70] [P65] [R60] [A60] with Backlight Shield on request.

## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy			
Lens	Non-reflective safety glass lens			
Colours	<b>RAL7016</b> Anthracite grey	<b>RAL9004</b> Signal black	<b>RAL9006</b> White aluminium	<b>RAL9007</b> Grey aluminium
	<b>RAL9016</b> Traffic white			
Gasket	CCG® Controlled Compression Gasket			
Fasteners	PCS Polymer Coated Stainless Steel Hardware			
Ingress protection	IP66			
Impact resistance	IK08			
Corrosion resistance	5CE			

### Electrical description

Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral EC electronic converter. DALI
Surge protection	6/6kV, optional 10kV
Energy efficiency	C-D (Light source)

### Additional information

Windage	0.215 m <sup>2</sup>
Lifetime	T <sub>a</sub> =25° L90B10 > 90000h

## Options

### Light distribution



[A60] asymmetric, forward throw



[S60] asymmetric, side throw



[S65] asymmetric, side throw

### Colour temperature



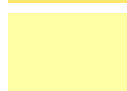
2700K



2200K



3000K



4000K



1850K

### Nominal Watt

48 W

72 W

64 W

96 W

144 W


128 W

80 W

160 W

120 W

## Configurations


Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[A60] asymmetric, forward throw</p>	111-2146	LED-32/48W/2200K	5339.1 lm	48 W	70
	111-2147	LED-32/48W/2700K	5339.1 lm	48 W	80
	111-2148	LED-32/48W/3000K	5739.5 lm	48 W	80
	111-2854	LED-32/48W/4000K	6139.9 lm	48 W	80
	111-2388	LED-32/64W/1850K	6540.3 lm	64 W	60
	111-2389	LED-32/64W/2200K	7207.7 lm	64 W	70
	111-2390	LED-32/64W/2700K	7207.7 lm	64 W	80
	111-2391	LED-32/64W/3000K	7741.6 lm	64 W	80
	111-2876	LED-32/64W/4000K	8275.5 lm	64 W	80
	111-2189	LED-32/96W/2200K	10010.7 lm	96 W	70
	111-2190	LED-32/96W/2700K	10010.7 lm	96 W	80
	111-2191	LED-32/96W/3000K	10811.6 lm	96 W	80
	111-2898	LED-32/96W/4000K	11479 lm	96 W	80
	111-2479	LED-48/96W/3000K	11612.5 lm	96 W	80
	111-2942	LED-48/96W/4000K	12413.3 lm	96 W	80
	111-2564	LED-48/144W/2200K	15016.1 lm	144 W	70
	111-2565	LED-48/144W/2700K	15016.1 lm	144 W	80
	111-2566	LED-48/144W/3000K	16217.4 lm	144 W	80
	111-2964	LED-48/144W/4000K	17218.5 lm	144 W	80
	111-2630	LED-64/64W/1850K	6788.2 lm	64 W	60
	111-2631	LED-64/64W/2200K	7571.5 lm	64 W	70
	111-2632	LED-64/64W/2700K	7571.5 lm	64 W	80
	111-2633	LED-64/64W/3000K	8093.7 lm	64 W	80
	111-2986	LED-64/64W/4000K	8876.9 lm	64 W	80
	111-2718	LED-64/96W/1850K	9399.1 lm	96 W	60
	111-2719	LED-64/96W/2200K	10443.5 lm	96 W	70
	111-2720	LED-64/96W/2700K	10443.5 lm	96 W	80
	111-2721	LED-64/96W/3000K	11226.7 lm	96 W	80
	111-3008	LED-64/96W/4000K	12010 lm	96 W	80
	111-2806	LED-64/128W/1850K	12793.2 lm	128 W	60
	111-2807	LED-64/128W/2200K	14098.7 lm	128 W	70
	111-2808	LED-64/128W/2700K	14098.7 lm	128 W	80
	111-2809	LED-64/128W/3000K	15143 lm	128 W	80
111-3030	LED-64/128W/4000K	16187.4 lm	128 W	80	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-3095	LED-80/80W/1850K	8485.3 lm	80 W	60
	111-3096	LED-80/80W/2200K	9464.4 lm	80 W	70
	111-3097	LED-80/80W/2700K	9464.4 lm	80 W	80
	111-3098	LED-80/80W/3000K	10117.1 lm	80 W	80
	111-3099	LED-80/80W/4000K	11096.2 lm	80 W	80
	111-3205	LED-80/120W/1850K	11748.9 lm	120 W	60
	111-3206	LED-80/120W/2200K	13054.3 lm	120 W	70
	111-3207	LED-80/120W/2700K	13054.3 lm	120 W	80
	111-3208	LED-80/120W/3000K	14033.4 lm	120 W	80
	111-3209	LED-80/120W/4000K	15012.5 lm	120 W	80
	111-3315	LED-80/160W/1850K	15991.6 lm	160 W	60
	111-3316	LED-80/160W/2200K	17623.3 lm	160 W	70
	111-3317	LED-80/160W/2700K	17623.3 lm	160 W	80
	111-3318	LED-80/160W/3000K	18928.8 lm	160 W	80
	111-3319	LED-80/160W/4000K	20234.2 lm	160 W	80
	111-2150	LED-32/48W/2200K	6105.3 lm	48 W	70
	111-2151	LED-32/48W/2700K	6105.3 lm	48 W	80
	111-2152	LED-32/48W/3000K	6563.2 lm	48 W	80
	111-2855	LED-32/48W/4000K	7021.1 lm	48 W	80
	111-2392	LED-32/64W/1850K	7479 lm	64 W	60
	111-2393	LED-32/64W/2200K	8242.2 lm	64 W	70
	111-2394	LED-32/64W/2700K	8242.2 lm	64 W	80
	111-2395	LED-32/64W/3000K	8852.7 lm	64 W	80
	111-2877	LED-32/64W/4000K	9463.3 lm	64 W	80
	111-2192	LED-32/96W/2200K	11447.5 lm	96 W	70
	111-2193	LED-32/96W/2700K	11447.5 lm	96 W	80
	111-2194	LED-32/96W/3000K	12363.3 lm	96 W	80
	111-2899	LED-32/96W/4000K	13126.5 lm	96 W	80
	111-2259	LED-48/72W/1850K	8242.2 lm	72 W	60
	111-2260	LED-48/72W/2200K	9158 lm	72 W	70
	111-2261	LED-48/72W/2700K	9158 lm	72 W	80
	111-2262	LED-48/72W/3000K	9844.8 lm	72 W	80
	111-2921	LED-48/72W/4000K	10531.7 lm	72 W	80
	111-2480	LED-48/96W/1850K	11218.5 lm	96 W	60
	111-2481	LED-48/96W/2200K	12363.3 lm	96 W	70
	111-2482	LED-48/96W/2700K	12363.3 lm	96 W	80



[S60] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-2483	LED-48/96W/3000K	13279.1 lm	96 W	80
	111-2943	LED-48/96W/4000K	14194.9 lm	96 W	80
	111-2567	LED-48/144W/2200K	17171.2 lm	144 W	70
	111-2568	LED-48/144W/2700K	17171.2 lm	144 W	80
	111-2569	LED-48/144W/3000K	18544.9 lm	144 W	80
	111-2965	LED-48/144W/4000K	19689.7 lm	144 W	80
	111-2634	LED-64/64W/1850K	7922.7 lm	64 W	60
	111-2635	LED-64/64W/2200K	8836.8 lm	64 W	70
	111-2636	LED-64/64W/2700K	8836.8 lm	64 W	80
	111-2637	LED-64/64W/3000K	9446.3 lm	64 W	80
	111-2987	LED-64/64W/4000K	10360.4 lm	64 W	80
	111-2722	LED-64/96W/1850K	10969.9 lm	96 W	60
	111-2723	LED-64/96W/2200K	12188.8 lm	96 W	70
	111-2724	LED-64/96W/2700K	12188.8 lm	96 W	80
	111-2725	LED-64/96W/3000K	13102.9 lm	96 W	80
	111-3009	LED-64/96W/4000K	14017.1 lm	96 W	80
	111-2810	LED-64/128W/1850K	14931.2 lm	128 W	60
	111-2811	LED-64/128W/2200K	16454.8 lm	128 W	70
	111-2812	LED-64/128W/2700K	16454.8 lm	128 W	80
	111-2813	LED-64/128W/3000K	17673.7 lm	128 W	80
	111-3031	LED-64/128W/4000K	18892.6 lm	128 W	80
	111-3100	LED-80/80W/1850K	9903.4 lm	80 W	60
	111-3101	LED-80/80W/2200K	11046.1 lm	80 W	70
	111-3102	LED-80/80W/2700K	11046.1 lm	80 W	80
	111-3103	LED-80/80W/3000K	11807.9 lm	80 W	80
	111-3104	LED-80/80W/3000K	12950.6 lm	80 W	80
	111-3210	LED-80/120W/1850K	13712.3 lm	120 W	60
	111-3211	LED-80/120W/2200K	15235.9 lm	120 W	70
	111-3212	LED-80/120W/2700K	15235.9 lm	120 W	80
	111-3213	LED-80/120W/3000K	16378.6 lm	120 W	80
	111-3214	LED-80/120W/4000K	17521.3 lm	120 W	80
	111-3320	LED-80/160W/1850K	18664 lm	160 W	60
	111-3321	LED-80/160W/2200K	20568.5 lm	160 W	70
	111-3322	LED-80/160W/2700K	20568.5 lm	160 W	80
	111-3323	LED-80/160W/3000K	22092.1 lm	160 W	80
	111-3324	LED-80/160W/4000K	23615.7 lm	160 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[S65] asymmetric, side throw</p>	111-2154	LED-32/48W/2200K	5987.8 lm	48 W	70
	111-2155	LED-32/48W/2700K	5987.8 lm	48 W	80
	111-2156	LED-32/48W/3000K	6436.9 lm	48 W	80
	111-2856	LED-32/48W/4000K	6886 lm	48 W	80
	111-2396	LED-32/64W/1850K	7335 lm	64 W	60
	111-2397	LED-32/64W/2200K	8083.5 lm	64 W	70
	111-2398	LED-32/64W/2700K	8083.5 lm	64 W	80
	111-2399	LED-32/64W/3000K	8682.3 lm	64 W	80
	111-2878	LED-32/64W/4000K	9281.1 lm	64 W	80
	111-2195	LED-32/96W/2200K	11227.1 lm	96 W	70
	111-2196	LED-32/96W/2700K	11227.1 lm	96 W	80
	111-2197	LED-32/96W/3000K	12125.3 lm	96 W	80
	111-2900	LED-32/96W/4000K	12873.8 lm	96 W	80
	111-2263	LED-48/72W/1850K	8083.5 lm	72 W	60
	111-2264	LED-48/72W/2200K	8981.7 lm	72 W	70
	111-2265	LED-48/72W/2700K	8981.7 lm	72 W	80
	111-2266	LED-48/72W/3000K	9655.3 lm	72 W	80
	111-2922	LED-48/72W/4000K	10328.9 lm	72 W	80
	111-2484	LED-48/96W/1850K	11002.6 lm	96 W	60
	111-2485	LED-48/96W/2200K	12125.3 lm	96 W	70
	111-2486	LED-48/96W/2700K	12125.3 lm	96 W	80
	111-2487	LED-48/96W/3000K	13023.5 lm	96 W	80
	111-2944	LED-48/96W/4000K	13921.6 lm	96 W	80
	111-2570	LED-48/144W/2200K	16840.7 lm	144 W	70
	111-2571	LED-48/144W/2700K	16840.7 lm	144 W	80
	111-2572	LED-48/144W/3000K	18187.9 lm	144 W	80
	111-2966	LED-48/144W/4000K	19310.6 lm	144 W	80
	111-2638	LED-64/64W/1850K	7715 lm	64 W	60
	111-2639	LED-64/64W/2200K	8605.2 lm	64 W	70
	111-2640	LED-64/64W/2700K	8605.2 lm	64 W	80
111-2641	LED-64/64W/3000K	9198.6 lm	64 W	80	
111-2988	LED-64/64W/4000K	10088.8 lm	64 W	80	
111-2726	LED-64/96W/1850K	10682.3 lm	96 W	60	
111-2727	LED-64/96W/2200K	11869.2 lm	96 W	70	
111-2728	LED-64/96W/2700K	11869.2 lm	96 W	80	
111-2729	LED-64/96W/3000K	12759.4 lm	96 W	80	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-3010	LED-64/96W/4000K	13649.6 lm	96 W	80
	111-2814	LED-64/128W/1850K	14539.8 lm	128 W	60
	111-2815	LED-64/128W/2200K	16023.4 lm	128 W	70
	111-2816	LED-64/128W/2700K	16023.4 lm	128 W	80
	111-2817	LED-64/128W/3000K	17210.3 lm	128 W	80
	111-3032	LED-64/128W/4000K	18397.3 lm	128 W	80
	111-3105	LED-80/80W/1850K	9643.7 lm	80 W	60
	111-3106	LED-80/80W/2200K	10756.5 lm	80 W	70
	111-3107	LED-80/80W/2700K	10756.5 lm	80 W	80
	111-3108	LED-80/80W/3000K	11498.3 lm	80 W	80
	111-3109	LED-80/80W/4000K	12611 lm	80 W	80
	111-3215	LED-80/120W/1850K	13352.9 lm	120 W	60
	111-3216	LED-80/120W/2200K	14836.5 lm	120 W	70
	111-3217	LED-80/120W/2700K	14836.5 lm	120 W	80
	111-3218	LED-80/120W/3000K	15949.2 lm	120 W	80
	111-3219	LED-80/120W/4000K	17062 lm	120 W	80
	111-3325	LED-80/160W/1850K	18174.7 lm	160 W	60
	111-3326	LED-80/160W/2200K	20029.3 lm	160 W	70
	111-3327	LED-80/160W/2700K	20029.3 lm	160 W	80
	111-3328	LED-80/160W/3000K	21512.9 lm	160 W	80
	111-3329	LED-80/160W/4000K	22996.6 lm	160 W	80