

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 | RAL7016 Anthracite grey | RAL9004 Signal black | RAL9006 White aluminium | RAL9007 Grey aluminium |
| | RAL9016 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 ² |
| Lifetime | T _a =25° L90B10 > 90000h |

Options

Light distribution



[A60] asymmetric, forward throw



[S60] asymmetric, side throw



[S65] asymmetric, side throw

Colour temperature



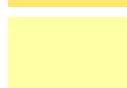
2700K



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 |