

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-SE with spigot size $\text{Ø} 42 \times 100$ mm. 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 | 0.211 m ² |
| Lifetime | Ta=25° L90B10 > 90000h |

Options

Light distribution

 [S65] asymmetric, side throw

 [S60] asymmetric, side throw

 [A60] asymmetric, forward throw

Colour temperature



3000K



2700K



1850K



4000K



2200K

Nominal Watt

64 W

96 W

48 W

160 W

120 W


144 W

72 W

128 W

80 W

Configurations


| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|---|-------------------|-------------------|--------------|-------------------|-----|
|  <p>[A60] asymmetric, forward throw</p> | 111-2344 | LED-32/48W/1850K | 4805.2 lm | 48 W | 60 |
| | 111-2345 | LED-32/48W/2200K | 5339.1 lm | 48 W | 70 |
| | 111-2346 | LED-32/48W/2700K | 5339.1 lm | 48 W | 80 |
| | 111-2347 | LED-32/48W/3000K | 5739.5 lm | 48 W | 80 |
| | 111-2865 | LED-32/48W/4000K | 6139.9 lm | 48 W | 80 |
| | 111-2432 | LED-32/64W/1850K | 6540.3 lm | 64 W | 60 |
| | 111-2433 | LED-32/64W/2200K | 7207.7 lm | 64 W | 70 |
| | 111-2434 | LED-32/64W/2700K | 7207.7 lm | 64 W | 80 |
| | 111-2435 | LED-32/64W/3000K | 7741.6 lm | 64 W | 80 |
| | 111-2887 | LED-32/64W/4000K | 8275.5 lm | 64 W | 80 |
| | 111-2222 | LED-32/96W/2200K | 10010.7 lm | 96 W | 70 |
| | 111-2223 | LED-32/96W/2700K | 10010.7 lm | 96 W | 80 |
| | 111-2224 | LED-32/96W/3000K | 10811.6 lm | 96 W | 80 |
| | 111-2909 | LED-32/96W/4000K | 11479 lm | 96 W | 80 |
| | 111-2522 | LED-48/96W/2700K | 10811.6 lm | 96 W | 60 |
| | 111-2523 | LED-48/96W/3000K | 11612.5 lm | 96 W | 80 |
| | 111-2953 | LED-48/96W/4000K | 12413.3 lm | 96 W | 80 |
| | 111-2597 | LED-48/144W/2200K | 15016.1 lm | 144 W | 70 |
| | 111-2598 | LED-48/144W/2700K | 15016.1 lm | 144 W | 80 |
| | 111-2599 | LED-48/144W/3000K | 16217.4 lm | 144 W | 80 |
| | 111-2975 | LED-48/144W/4000K | 17218.5 lm | 144 W | 80 |
| | 111-2674 | LED-64/64W/1850K | 6788.2 lm | 64 W | 60 |
| | 111-2675 | LED-64/64W/2200K | 7571.5 lm | 64 W | 70 |
| | 111-2676 | LED-64/64W/2700K | 7571.5 lm | 64 W | 80 |
| | 111-2677 | LED-64/64W/3000K | 8093.7 lm | 64 W | 80 |
| | 111-2997 | LED-64/64W/4000K | 8876.9 lm | 64 W | 80 |
| | 111-2762 | LED-64/96W/1850K | 9399.1 lm | 96 W | 60 |
| | 111-2763 | LED-64/96W/2200K | 10443.5 lm | 96 W | 70 |
| | 111-2764 | LED-64/96W/2700K | 10443.5 lm | 96 W | 80 |
| | 111-2765 | LED-64/96W/3000K | 11226.7 lm | 96 W | 80 |
| | 111-3019 | LED-64/96W/4000K | 12010 lm | 96 W | 80 |
| | 111-3041 | LED-64/128W/1850K | 12793.2 lm | 128 W | 60 |
| | 111-3042 | LED-64/128W/2200K | 14098.7 lm | 128 W | 70 |
| 111-3043 | LED-64/128W/2700K | 14098.7 lm | 128 W | 80 | |

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|----------|-------------------|--------------|-------------------|-----|
| | 111-3044 | LED-64/128W/3000K | 15143 lm | 128 W | 80 |
| | 111-3045 | LED-64/128W/4000K | 16187.4 lm | 128 W | 80 |
| | 111-3150 | LED-80/80W/1850K | 8485.3 lm | 80 W | 60 |
| | 111-3151 | LED-80/80W/2200K | 9464.4 lm | 80 W | 70 |
| | 111-3152 | LED-80/80W/2700K | 9464.4 lm | 80 W | 80 |
| | 111-3153 | LED-80/80W/3000K | 10117.1 lm | 80 W | 80 |
| | 111-3154 | LED-80/80W/4000K | 11096.2 lm | 80 W | 80 |
| | 111-3260 | LED-80/120W/1850K | 11748.9 lm | 120 W | 60 |
| | 111-3261 | LED-80/120W/2200K | 13054.3 lm | 120 W | 70 |
| | 111-3262 | LED-80/120W/2700K | 13054.3 lm | 120 W | 80 |
| | 111-3263 | LED-80/120W/3000K | 14033.4 lm | 120 W | 80 |
| | 111-3264 | LED-80/120W/4000K | 15012.5 lm | 120 W | 80 |
| | 111-3370 | LED-80/160W/1850K | 15991.6 lm | 160 W | 60 |
| | 111-3371 | LED-80/160W/2200K | 17623.3 lm | 160 W | 70 |
| | 111-3372 | LED-80/160W/2700K | 17623.3 lm | 160 W | 80 |
| | 111-3373 | LED-80/160W/3000K | 18928.8 lm | 160 W | 80 |
| | 111-3374 | LED-80/160W/4000K | 20234.2 lm | 160 W | 80 |
| | 111-2348 | LED-32/48W/1850K | 5494.8 lm | 48 W | 60 |
| | 111-2349 | LED-32/48W/2200K | 6105.3 lm | 48 W | 70 |
| | 111-2350 | LED-32/48W/2700K | 6105.3 lm | 48 W | 80 |
| | 111-2351 | LED-32/48W/3000K | 6563.2 lm | 48 W | 80 |
| | 111-2866 | LED-32/48W/4000K | 7021.1 lm | 48 W | 80 |
| | 111-2436 | LED-32/64W/1850K | 7479 lm | 64 W | 60 |
| | 111-2437 | LED-32/64W/2200K | 8242.2 lm | 64 W | 70 |
| | 111-2438 | LED-32/64W/2700K | 8242.2 lm | 64 W | 80 |
| | 111-2439 | LED-32/64W/3000K | 8852.7 lm | 64 W | 80 |
| | 111-2888 | LED-32/64W/4000K | 9463.3 lm | 64 W | 80 |
| | 111-2225 | LED-32/96W/2200K | 11447.5 lm | 96 W | 70 |
| | 111-2226 | LED-32/96W/2700K | 11447.5 lm | 96 W | 80 |
| | 111-2227 | LED-32/96W/3000K | 12363.3 lm | 96 W | 80 |
| | 111-2910 | LED-32/96W/4000K | 13126.5 lm | 96 W | 80 |
| | 111-2304 | LED-48/72W/1850K | 8242.2 lm | 72 W | 60 |
| | 111-2305 | LED-48/72W/2200K | 9158 lm | 72 W | 70 |
| | 111-2306 | LED-48/72W/2700K | 9158 lm | 72 W | 80 |
| | 111-2307 | LED-48/72W/3000K | 9844.8 lm | 72 W | 80 |
| | 111-2932 | LED-48/72W/4000K | 10531.7 lm | 72 W | 80 |



[S60] asymmetric, side throw

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|----------|-------------------|--------------|-------------------|-----|
| | 111-2524 | LED-48/96W/1850K | 11218.5 lm | 96 W | 60 |
| | 111-2525 | LED-48/96W/2200K | 12363.3 lm | 96 W | 70 |
| | 111-2526 | LED-48/96W/2700K | 12363.3 lm | 96 W | 80 |
| | 111-2527 | LED-48/96W/3000K | 13279.1 lm | 96 W | 80 |
| | 111-2954 | LED-48/96W/4000K | 14194.9 lm | 96 W | 80 |
| | 111-2600 | LED-48/144W/2200K | 17171.2 lm | 144 W | 70 |
| | 111-2601 | LED-48/144W/2700K | 17171.2 lm | 144 W | 80 |
| | 111-2602 | LED-48/144W/3000K | 18544.9 lm | 144 W | 80 |
| | 111-2976 | LED-48/144W/4000K | 19689.7 lm | 144 W | 80 |
| | 111-2678 | LED-64/64W/1850K | 7922.7 lm | 64 W | 60 |
| | 111-2679 | LED-64/64W/2200K | 8836.8 lm | 64 W | 70 |
| | 111-2680 | LED-64/64W/2700K | 8836.8 lm | 64 W | 80 |
| | 111-2681 | LED-64/64W/3000K | 9446.3 lm | 64 W | 80 |
| | 111-2998 | LED-64/64W/4000K | 10360.4 lm | 64 W | 80 |
| | 111-2766 | LED-64/96W/1850K | 10969.9 lm | 96 W | 60 |
| | 111-2767 | LED-64/96W/2200K | 12188.8 lm | 96 W | 70 |
| | 111-2768 | LED-64/96W/2700K | 12188.8 lm | 96 W | 80 |
| | 111-2769 | LED-64/96W/3000K | 13102.9 lm | 96 W | 80 |
| | 111-3020 | LED-64/96W/4000K | 14017.1 lm | 96 W | 80 |
| | 111-3046 | LED-64/128W/1850K | 14931.2 lm | 128 W | 60 |
| | 111-3047 | LED-64/128W/2200K | 16454.8 lm | 128 W | 70 |
| | 111-3048 | LED-64/128W/2700K | 16454.8 lm | 128 W | 80 |
| | 111-3049 | LED-64/128W/3000K | 17673.7 lm | 128 W | 80 |
| | 111-3050 | LED-64/128W/4000K | 18892.6 lm | 128 W | 80 |
| | 111-3155 | LED-80/80W/1850K | 9903.4 lm | 80 W | 60 |
| | 111-3156 | LED-80/80W/2200K | 11046.1 lm | 80 W | 70 |
| | 111-3157 | LED-80/80W/2700K | 11046.1 lm | 80 W | 80 |
| | 111-3159 | LED-80/80W/3000K | 12950.6 lm | 80 W | 80 |
| | 111-3158 | LED-80/80W/3000K | 11807.9 lm | 80 W | 80 |
| | 111-3265 | LED-80/120W/1850K | 13712.3 lm | 120 W | 60 |
| | 111-3266 | LED-80/120W/2200K | 15235.9 lm | 120 W | 70 |
| | 111-3267 | LED-80/120W/2700K | 15235.9 lm | 120 W | 80 |
| | 111-3268 | LED-80/120W/3000K | 16378.6 lm | 120 W | 80 |
| | 111-3269 | LED-80/120W/4000K | 17521.3 lm | 120 W | 80 |
| | 111-3375 | LED-80/160W/1850K | 18664 lm | 160 W | 60 |
| | 111-3376 | LED-80/160W/2200K | 20568.5 lm | 160 W | 70 |

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--|------------------|-------------------|--------------|-------------------|-----|
|  <p>[S65] asymmetric, side throw</p> | 111-3377 | LED-80/160W/2700K | 20568.5 lm | 160 W | 80 |
| | 111-3378 | LED-80/160W/3000K | 22092.1 lm | 160 W | 80 |
| | 111-3379 | LED-80/160W/4000K | 23615.7 lm | 160 W | 80 |
| | 111-2352 | LED-32/48W/1850K | 5389 lm | 48 W | 60 |
| | 111-2353 | LED-32/48W/2200K | 5987.8 lm | 48 W | 70 |
| | 111-2354 | LED-32/48W/2700K | 5987.8 lm | 48 W | 80 |
| | 111-2355 | LED-32/48W/3000K | 6436.9 lm | 48 W | 80 |
| | 111-2867 | LED-32/48W/4000K | 6886 lm | 48 W | 80 |
| | 111-2440 | LED-32/64W/1850K | 7335 lm | 64 W | 60 |
| | 111-2441 | LED-32/64W/2200K | 8083.5 lm | 64 W | 70 |
| | 111-2442 | LED-32/64W/2700K | 8083.5 lm | 64 W | 80 |
| | 111-2443 | LED-32/64W/3000K | 8682.3 lm | 64 W | 80 |
| | 111-2889 | LED-32/64W/4000K | 9281.1 lm | 64 W | 80 |
| | 111-2228 | LED-32/96W/2200K | 11227.1 lm | 96 W | 70 |
| | 111-2229 | LED-32/96W/2700K | 11227.1 lm | 96 W | 80 |
| | 111-2230 | LED-32/96W/3000K | 12125.3 lm | 96 W | 80 |
| | 111-2911 | LED-32/96W/4000K | 12873.8 lm | 96 W | 80 |
| | 111-2308 | LED-48/72W/1850K | 8083.5 lm | 72 W | 60 |
| | 111-2309 | LED-48/72W/2200K | 8981.7 lm | 72 W | 70 |
| | 111-2310 | LED-48/72W/2700K | 8981.7 lm | 72 W | 80 |
| | 111-2311 | LED-48/72W/3000K | 9655.3 lm | 72 W | 80 |
| | 111-2933 | LED-48/72W/4000K | 10328.9 lm | 72 W | 80 |
| | 111-2528 | LED-48/96W/1850K | 11002.6 lm | 96 W | 60 |
| | 111-2529 | LED-48/96W/2200K | 12125.3 lm | 96 W | 70 |
| | 111-2530 | LED-48/96W/2700K | 12125.3 lm | 96 W | 80 |
| | 111-2531 | LED-48/96W/3000K | 13023.5 lm | 96 W | 80 |
| | 111-2955 | LED-48/96W/4000K | 13921.6 lm | 96 W | 80 |
| | 111-2603 | LED-48/144W/2200K | 16840.7 lm | 144 W | 70 |
| | 111-2604 | LED-48/144W/2700K | 16840.7 lm | 144 W | 80 |
| | 111-2605 | LED-48/144W/3000K | 18187.9 lm | 144 W | 80 |
| | 111-2977 | LED-48/144W/4000K | 19310.6 lm | 144 W | 80 |
| | 111-2682 | LED-64/64W/1850K | 7715 lm | 64 W | 60 |
| | 111-2683 | LED-64/64W/2200K | 8605.2 lm | 64 W | 70 |
| 111-2684 | LED-64/64W/2700K | 8605.2 lm | 64 W | 80 | |
| 111-2685 | LED-64/64W/3000K | 9198.6 lm | 64 W | 80 | |
| 111-2999 | LED-64/64W/4000K | 10088.8 lm | 64 W | 80 | |

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|----------|-------------------|--------------|-------------------|-----|
| | 111-2770 | LED-64/96W/1850K | 10682.3 lm | 96 W | 60 |
| | 111-2771 | LED-64/96W/2200K | 11869.2 lm | 96 W | 70 |
| | 111-2772 | LED-64/96W/2700K | 11869.2 lm | 96 W | 80 |
| | 111-2773 | LED-64/96W/3000K | 12759.4 lm | 96 W | 80 |
| | 111-3021 | LED-64/96W/4000K | 13649.6 lm | 96 W | 80 |
| | 111-3051 | LED-64/128W/1850K | 14539.8 lm | 128 W | 60 |
| | 111-3052 | LED-64/128W/2200K | 16023.4 lm | 128 W | 70 |
| | 111-3053 | LED-64/128W/2700K | 16023.4 lm | 128 W | 80 |
| | 111-3054 | LED-64/128W/3000K | 17210.3 lm | 128 W | 80 |
| | 111-3055 | LED-64/128W/4000K | 18397.3 lm | 128 W | 80 |
| | 111-3160 | LED-80/80W/1850K | 9643.7 lm | 80 W | 60 |
| | 111-3161 | LED-80/80W/2200K | 10756.5 lm | 80 W | 70 |
| | 111-3162 | LED-80/80W/2700K | 10756.5 lm | 80 W | 80 |
| | 111-3163 | LED-80/80W/3000K | 11498.3 lm | 80 W | 80 |
| | 111-3164 | LED-80/80W/4000K | 12611 lm | 80 W | 80 |
| | 111-3270 | LED-80/120W/1850K | 13352.9 lm | 120 W | 60 |
| | 111-3271 | LED-80/120W/2200K | 14836.5 lm | 120 W | 70 |
| | 111-3272 | LED-80/120W/2700K | 14836.5 lm | 120 W | 80 |
| | 111-3273 | LED-80/120W/3000K | 15949.2 lm | 120 W | 80 |
| | 111-3274 | LED-80/120W/4000K | 17062 lm | 120 W | 80 |
| | 111-3380 | LED-80/160W/1850K | 18174.7 lm | 160 W | 60 |
| | 111-3381 | LED-80/160W/2200K | 20029.3 lm | 160 W | 70 |
| | 111-3382 | LED-80/160W/2700K | 20029.3 lm | 160 W | 80 |
| | 111-3383 | LED-80/160W/3000K | 21512.9 lm | 160 W | 80 |
| | 111-3384 | LED-80/160W/4000K | 22996.6 lm | 160 W | 80 |