

Description

The RFL110 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. RFL110-SE with spigot size Ø 42 x 100 mm. Contact WE-EF direct or your local WE-EF sales representative for an individual solution designed to precisely meet your needs.

PCA on request.

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 | RAL9004 Signal black | RAL9006 White aluminium | RAL9007 Grey aluminium |
| Gasket | CCG® Controlled Compression Gasket | | |
| Fasteners | PCS Polymer Coated Stainless Steel Hardware | | |
| Ingress protection | IP66 | | |
| Impact resistance | IK08 | | |
| Corrosion resistance | 5CE+Primer | | |

Electrical description






| | |
|-------------------|--|
| Power supply | 220-240V / 50-60 Hz |
| Driver / Ballast | Integral EC electronic converter. DALI |
| Power factor | > 0.9 |
| 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 | C-D (Light source) |

Additional information






| | |
|----------|--------------------------------------|
| Windage | 0,139 m ² |
| Lifetime | T _a =40° L90B10 > 100000h |

Options

Light distribution

-  [A60] asymmetric, forward throw
-  [S65] asymmetric, side throw
-  [S70] asymmetric, side throw
-  [R60] rectangular, side throw
-  [P65] pedestrian/bicycle lane


Colour temperature

| | |
|---|-------|
|  | PCA |
|  | 2200K |
|  | 2700K |
|  | 3000K |
|  | 4000K |

Nominal Watt

4 W
9 W
8 W
16 W
12 W
24 W
32 W
48 W

Configurations

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|---|-------------|------------------|--------------|-------------------|-----|
|  <p>[A60] asymmetric, forward throw</p> | 111-2021 | LED-8/4W/PCA | 503.3 lm | 4 W | 70 |
| | 111-1652 | LED-8/8W/2200K | 973.1 lm | 8 W | 70 |
| | 111-1653 | LED-8/8W/2700K | 973.1 lm | 8 W | 80 |
| | 111-1653-70 | LED-8/8W/2700K | 1040.3 lm | 8 W | 70 |
| | 111-1654 | LED-8/8W/3000K | 1040.3 lm | 8 W | 80 |
| | 111-1654-70 | LED-8/8W/3000K | 1208 lm | 8 W | 70 |
| | 111-1655 | LED-8/8W/4000K | 1140.9 lm | 8 W | 80 |
| | 111-1655-70 | LED-8/8W/4000K | 1275.2 lm | 8 W | 70 |
| | 111-1741 | LED-8/12W/2200K | 1342.3 lm | 12 W | 70 |
| | 111-1742 | LED-8/12W/2700K | 1342.3 lm | 12 W | 80 |
| | 111-1743 | LED-8/12W/3000K | 1442.9 lm | 12 W | 80 |
| | 111-1744 | LED-8/12W/4000K | 1543.6 lm | 12 W | 80 |
| | 111-1829 | LED-8/16W/2200K | 1725.8 lm | 16 W | 70 |
| | 111-1830 | LED-8/16W/2700K | 1725.8 lm | 16 W | 80 |
| | 111-1831 | LED-8/16W/3000K | 1853.7 lm | 16 W | 80 |
| | 111-1832 | LED-8/16W/4000K | 1981.5 lm | 16 W | 80 |
| | 111-1917 | LED-8/24W/2200K | 2397 lm | 24 W | 70 |
| | 111-1918 | LED-8/24W/2700K | 2397 lm | 24 W | 80 |
| | 111-1919 | LED-8/24W/3000K | 2588.7 lm | 24 W | 80 |
| | 111-1920 | LED-8/24W/4000K | 2748.5 lm | 24 W | 80 |
| | 111-2032 | LED-16/9W/PCA | 1006.7 lm | 9 W | 60 |
| | 111-1697 | LED-16/16W/2200K | 1946.3 lm | 16 W | 70 |
| | 111-1698 | LED-16/16W/2700K | 1946.3 lm | 16 W | 80 |
| | 111-1698-70 | LED-16/16W/2700K | 2080.5 lm | 16 W | 70 |
| | 111-1699 | LED-16/16W/3000K | 2080.5 lm | 16 W | 80 |
| | 111-1699-70 | LED-16/16W/3000K | 2416.1 lm | 16 W | 70 |
| | 111-1700 | LED-16/16W/4000K | 2281.9 lm | 16 W | 80 |
| | 111-1700-70 | LED-16/16W/4000K | 2550.3 lm | 16 W | 70 |
| | 111-1785 | LED-16/24W/2200K | 2684.5 lm | 24 W | 70 |
| | 111-1786 | LED-16/24W/2700K | 2684.5 lm | 24 W | 80 |
| | 111-1787 | LED-16/24W/3000K | 2885.9 lm | 24 W | 80 |
| | 111-1788 | LED-16/24W/4000K | 3087.2 lm | 24 W | 80 |
| | 111-1873 | LED-16/32W/2200K | 3451.6 lm | 32 W | 70 |
| | 111-1874 | LED-16/32W/2700K | 3451.6 lm | 32 W | 80 |

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|-------------|------------------|--------------|-------------------|-----|
| | 111-1875 | LED-16/32W/3000K | 3707.3 lm | 32 W | 80 |
| | 111-1876 | LED-16/32W/4000K | 3963 lm | 32 W | 80 |
| | 111-1969 | LED-16/48W/2200K | 4793.9 lm | 48 W | 70 |
| | 111-1970 | LED-16/48W/2700K | 4793.9 lm | 48 W | 80 |
| | 111-1971 | LED-16/48W/3000K | 5177.5 lm | 48 W | 80 |
| | 111-1972 | LED-16/48W/4000K | 5497 lm | 48 W | 80 |
| | 111-2029 | LED-8/4W/PCA | 533.5 lm | 4 W | 70 |
| | 111-1685 | LED-8/8W/2200K | 1031.4 lm | 8 W | 70 |
| | 111-1686 | LED-8/8W/2700K | 1031.4 lm | 8 W | 80 |
| | 111-1686-70 | LED-8/8W/2700K | 1102.5 lm | 8 W | 70 |
| | 111-1687 | LED-8/8W/3000K | 1102.5 lm | 8 W | 80 |
| | 111-1687-70 | LED-8/8W/3000K | 1280.3 lm | 8 W | 70 |
| | 111-1688 | LED-8/8W/4000K | 1209.2 lm | 8 W | 80 |
| | 111-1688-70 | LED-8/8W/4000K | 1351.5 lm | 8 W | 70 |
| | 111-1773 | LED-8/12W/2200K | 1422.6 lm | 12 W | 70 |
| | 111-1774 | LED-8/12W/2700K | 1422.6 lm | 12 W | 80 |
| | 111-1775 | LED-8/12W/3000K | 1529.3 lm | 12 W | 80 |
| | 111-1776 | LED-8/12W/4000K | 1636 lm | 12 W | 80 |
| | 111-1861 | LED-8/16W/2200K | 1829.1 lm | 16 W | 70 |
| | 111-1862 | LED-8/16W/2700K | 1829.1 lm | 16 W | 80 |
| | 111-1863 | LED-8/16W/3000K | 1964.6 lm | 16 W | 80 |
| | 111-1864 | LED-8/16W/4000K | 2100.1 lm | 16 W | 80 |
| | 111-1949 | LED-8/24W/2200K | 2540.4 lm | 24 W | 70 |
| | 111-1950 | LED-8/24W/2700K | 2540.4 lm | 24 W | 80 |
| | 111-1951 | LED-8/24W/3000K | 2743.6 lm | 24 W | 80 |
| | 111-1952 | LED-8/24W/4000K | 2913 lm | 24 W | 80 |
| | 111-2040 | LED-16/9W/PCA | 1066.9 lm | 9 W | 60 |
| | 111-1729 | LED-16/16W/2200K | 2062.8 lm | 16 W | 70 |
| | 111-1730 | LED-16/16W/2700K | 2062.8 lm | 16 W | 80 |
| | 111-1730-70 | LED-16/16W/2700K | 2205 lm | 16 W | 70 |
| | 111-1731 | LED-16/16W/3000K | 2205 lm | 16 W | 80 |
| | 111-1731-70 | LED-16/16W/3000K | 2560.7 lm | 16 W | 70 |
| | 111-1732 | LED-16/16W/4000K | 2418.4 lm | 16 W | 80 |
| | 111-1732-70 | LED-16/16W/4000K | 2702.9 lm | 16 W | 70 |
| | 111-1817 | LED-16/24W/2200K | 2845.2 lm | 24 W | 70 |
| | 111-1818 | LED-16/24W/2700K | 2845.2 lm | 24 W | 80 |



[P65] pedestrian/bicycle lane

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|-------------|------------------|--------------|-------------------|-----|
| | 111-1819 | LED-16/24W/3000K | 3058.6 lm | 24 W | 80 |
| | 111-1820 | LED-16/24W/4000K | 3272 lm | 24 W | 80 |
| | 111-1905 | LED-16/32W/2200K | 3658.2 lm | 32 W | 70 |
| | 111-1906 | LED-16/32W/2700K | 3658.2 lm | 32 W | 80 |
| | 111-1907 | LED-16/32W/3000K | 3929.2 lm | 32 W | 80 |
| | 111-1908 | LED-16/32W/4000K | 4200.1 lm | 32 W | 80 |
| | 111-2001 | LED-16/48W/2200K | 5080.8 lm | 48 W | 70 |
| | 111-2002 | LED-16/48W/2700K | 5080.8 lm | 48 W | 80 |
| | 111-2003 | LED-16/48W/3000K | 5487.3 lm | 48 W | 80 |
| | 111-2004 | LED-16/48W/4000K | 5826 lm | 48 W | 80 |
| | 111-2024 | LED-8/4W/PCA | 516.6 lm | 4 W | 70 |
| | 111-1664 | LED-8/8W/2200K | 998.9 lm | 8 W | 70 |
| | 111-1665 | LED-8/8W/2700K | 998.9 lm | 8 W | 80 |
| | 111-1665-70 | LED-8/8W/2700K | 1067.7 lm | 8 W | 70 |
| | 111-1666 | LED-8/8W/3000K | 1067.7 lm | 8 W | 80 |
| | 111-1666-70 | LED-8/8W/3000K | 1240 lm | 8 W | 70 |
| | 111-1667 | LED-8/8W/4000K | 1171.1 lm | 8 W | 80 |
| | 111-1667-70 | LED-8/8W/4000K | 1308.8 lm | 8 W | 70 |
| | 111-1753 | LED-8/12W/2200K | 1377.7 lm | 12 W | 70 |
| | 111-1754 | LED-8/12W/2700K | 1377.7 lm | 12 W | 80 |
| | 111-1755 | LED-8/12W/3000K | 1481.1 lm | 12 W | 80 |
| | 111-1756 | LED-8/12W/4000K | 1584.4 lm | 12 W | 80 |
| | 111-1841 | LED-8/16W/2200K | 1771.4 lm | 16 W | 70 |
| | 111-1842 | LED-8/16W/2700K | 1771.4 lm | 16 W | 80 |
| | 111-1843 | LED-8/16W/3000K | 1902.6 lm | 16 W | 80 |
| | 111-1844 | LED-8/16W/4000K | 2033.9 lm | 16 W | 80 |
| | 111-1929 | LED-8/24W/2200K | 2460.3 lm | 24 W | 70 |
| | 111-1930 | LED-8/24W/2700K | 2460.3 lm | 24 W | 80 |
| | 111-1931 | LED-8/24W/3000K | 2657.1 lm | 24 W | 80 |
| | 111-1932 | LED-8/24W/4000K | 2821.2 lm | 24 W | 80 |
| | 111-2035 | LED-16/9W/PCA | 1033.3 lm | 9 W | 60 |
| | 111-1709 | LED-16/16W/2200K | 1997.7 lm | 16 W | 70 |
| | 111-1710 | LED-16/16W/2700K | 1997.7 lm | 16 W | 80 |
| | 111-1710-70 | LED-16/16W/2700K | 2135.5 lm | 16 W | 70 |
| | 111-1711 | LED-16/16W/3000K | 2135.5 lm | 16 W | 80 |
| | 111-1711-70 | LED-16/16W/3000K | 2479.9 lm | 16 W | 70 |




[R60] rectangular, side throw

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|-------------|------------------|--------------|-------------------|-----|
| | 111-1712 | LED-16/16W/4000K | 2342.1 lm | 16 W | 80 |
| | 111-1712-70 | LED-16/16W/4000K | 2617.7 lm | 16 W | 70 |
| | 111-1797 | LED-16/24W/2200K | 2755.5 lm | 24 W | 70 |
| | 111-1798 | LED-16/24W/2700K | 2755.5 lm | 24 W | 80 |
| | 111-1799 | LED-16/24W/3000K | 2962.1 lm | 24 W | 80 |
| | 111-1800 | LED-16/24W/4000K | 3168.8 lm | 24 W | 80 |
| | 111-1885 | LED-16/32W/2200K | 3542.9 lm | 32 W | 70 |
| | 111-1886 | LED-16/32W/2700K | 3542.9 lm | 32 W | 80 |
| | 111-1887 | LED-16/32W/3000K | 3805.3 lm | 32 W | 80 |
| | 111-1888 | LED-16/32W/4000K | 4067.7 lm | 32 W | 80 |
| | 111-1981 | LED-16/48W/2200K | 4920.6 lm | 48 W | 70 |
| | 111-1982 | LED-16/48W/2700K | 4920.6 lm | 48 W | 80 |
| | 111-1983 | LED-16/48W/3000K | 5314.3 lm | 48 W | 80 |
| | 111-1984 | LED-16/48W/4000K | 5642.3 lm | 48 W | 80 |
| | 111-2022 | LED-8/4W/PCA | 552.8 lm | 4 W | 70 |
| | 111-1656 | LED-8/8W/2200K | 1068.7 lm | 8 W | 70 |
| | 111-1657 | LED-8/8W/2700K | 1068.7 lm | 8 W | 80 |
| | 111-1657-70 | LED-8/8W/2700K | 1142.4 lm | 8 W | 70 |
| | 111-1658 | LED-8/8W/3000K | 1142.4 lm | 8 W | 80 |
| | 111-1658-70 | LED-8/8W/3000K | 1326.6 lm | 8 W | 70 |
| | 111-1659 | LED-8/8W/4000K | 1252.9 lm | 8 W | 80 |
| | 111-1659-70 | LED-8/8W/4000K | 1400.3 lm | 8 W | 70 |
| | 111-1745 | LED-8/12W/2200K | 1474 lm | 12 W | 70 |
| | 111-1746 | LED-8/12W/2700K | 1474 lm | 12 W | 80 |
| | 111-1747 | LED-8/12W/3000K | 1584.6 lm | 12 W | 80 |
| | 111-1748 | LED-8/12W/4000K | 1695.1 lm | 12 W | 80 |
| | 111-1833 | LED-8/16W/2200K | 1895.2 lm | 16 W | 70 |
| | 111-1834 | LED-8/16W/2700K | 1895.2 lm | 16 W | 80 |
| | 111-1835 | LED-8/16W/3000K | 2035.6 lm | 16 W | 80 |
| | 111-1836 | LED-8/16W/4000K | 2176 lm | 16 W | 80 |
| | 111-1921 | LED-8/24W/2200K | 2632.3 lm | 24 W | 70 |
| | 111-1922 | LED-8/24W/2700K | 2632.3 lm | 24 W | 80 |
| | 111-1923 | LED-8/24W/3000K | 2842.8 lm | 24 W | 80 |
| | 111-1924 | LED-8/24W/4000K | 3018.3 lm | 24 W | 80 |
| | 111-2033 | LED-16/9W/PCA | 1105.5 lm | 9 W | 60 |
| | 111-1701 | LED-16/16W/2200K | 2137.3 lm | 16 W | 70 |



[S65] asymmetric, side throw

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI | |
|--|------------------------------|------------------|----------------|-------------------|-----|----|
|  | 111-1702 | LED-16/16W/2700K | 2137.3 lm | 16 W | 80 | |
| | 111-1702-70 | LED-16/16W/2700K | 2284.7 lm | 16 W | 70 | |
| | 111-1703 | LED-16/16W/3000K | 2284.7 lm | 16 W | 80 | |
| | 111-1703-70 | LED-16/16W/3000K | 2653.2 lm | 16 W | 70 | |
| | 111-1704 | LED-16/16W/4000K | 2505.8 lm | 16 W | 80 | |
| | 111-1704-70 | LED-16/16W/4000K | 2800.6 lm | 16 W | 70 | |
| | 111-1789 | LED-16/24W/2200K | 2948 lm | 24 W | 70 | |
| | 111-1790 | LED-16/24W/2700K | 2948 lm | 24 W | 80 | |
| | 111-1791 | LED-16/24W/3000K | 3169.1 lm | 24 W | 80 | |
| | 111-1792 | LED-16/24W/4000K | 3390.2 lm | 24 W | 80 | |
| | 111-1877 | LED-16/32W/2200K | 3790.5 lm | 32 W | 70 | |
| | 111-1878 | LED-16/32W/2700K | 3790.5 lm | 32 W | 80 | |
| | 111-1879 | LED-16/32W/3000K | 4071.2 lm | 32 W | 80 | |
| | 111-1880 | LED-16/32W/4000K | 4352 lm | 32 W | 80 | |
| | 111-1973 | LED-16/48W/2200K | 5264.5 lm | 48 W | 70 | |
| | 111-1974 | LED-16/48W/2700K | 5264.5 lm | 48 W | 80 | |
| | 111-1975 | LED-16/48W/3000K | 5685.7 lm | 48 W | 80 | |
| | 111-1976 | LED-16/48W/4000K | 6036.7 lm | 48 W | 80 | |
| | [S70] asymmetric, side throw | 111-2023 | LED-8/4W/PCA | 545 lm | 4 W | 70 |
| | | 111-1660 | LED-8/8W/2200K | 1053.7 lm | 8 W | 70 |
| | | 111-1661 | LED-8/8W/2700K | 1053.7 lm | 8 W | 80 |
| | | 111-1661-70 | LED-8/8W/2700K | 1126.4 lm | 8 W | 70 |
| | | 111-1662 | LED-8/8W/3000K | 1126.4 lm | 8 W | 80 |
| | | 111-1662-70 | LED-8/8W/3000K | 1308.1 lm | 8 W | 70 |
| | | 111-1663 | LED-8/8W/4000K | 1235.4 lm | 8 W | 80 |
| | | 111-1663-70 | LED-8/8W/4000K | 1380.8 lm | 8 W | 70 |
| | 111-1749 | LED-8/12W/2200K | 1453.4 lm | 12 W | 70 | |
| | 111-1750 | LED-8/12W/2700K | 1453.4 lm | 12 W | 80 | |
| | 111-1751 | LED-8/12W/3000K | 1562.4 lm | 12 W | 80 | |
| | 111-1752 | LED-8/12W/4000K | 1671.5 lm | 12 W | 80 | |
| | 111-1837 | LED-8/16W/2200K | 1868.7 lm | 16 W | 70 | |
| | 111-1838 | LED-8/16W/2700K | 1868.7 lm | 16 W | 80 | |
| | 111-1839 | LED-8/16W/3000K | 2007.1 lm | 16 W | 80 | |
| | 111-1840 | LED-8/16W/4000K | 2145.6 lm | 16 W | 80 | |
| | 111-1925 | LED-8/24W/2200K | 2595.4 lm | 24 W | 70 | |
| | 111-1926 | LED-8/24W/2700K | 2595.4 lm | 24 W | 80 | |

| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI |
|--------------------|-------------|------------------|--------------|-------------------|-----|
| | 111-1927 | LED-8/24W/3000K | 2803.1 lm | 24 W | 80 |
| | 111-1928 | LED-8/24W/4000K | 2976.1 lm | 24 W | 80 |
| | 111-2034 | LED-16/9W/PCA | 1090.1 lm | 9 W | 60 |
| | 111-1705 | LED-16/16W/2200K | 2107.5 lm | 16 W | 70 |
| | 111-1706 | LED-16/16W/2700K | 2107.5 lm | 16 W | 80 |
| | 111-1706-70 | LED-16/16W/2700K | 2252.8 lm | 16 W | 70 |
| | 111-1707 | LED-16/16W/3000K | 2252.8 lm | 16 W | 80 |
| | 111-1707-70 | LED-16/16W/3000K | 2616.2 lm | 16 W | 70 |
| | 111-1708 | LED-16/16W/4000K | 2470.8 lm | 16 W | 80 |
| | 111-1708-70 | LED-16/16W/4000K | 2761.5 lm | 16 W | 70 |
| | 111-1793 | LED-16/24W/2200K | 2906.9 lm | 24 W | 70 |
| | 111-1794 | LED-16/24W/2700K | 2906.9 lm | 24 W | 80 |
| | 111-1795 | LED-16/24W/3000K | 3124.9 lm | 24 W | 80 |
| | 111-1796 | LED-16/24W/4000K | 3342.9 lm | 24 W | 80 |
| | 111-1881 | LED-16/32W/2200K | 3737.4 lm | 32 W | 70 |
| | 111-1882 | LED-16/32W/2700K | 3737.4 lm | 32 W | 80 |
| | 111-1883 | LED-16/32W/3000K | 4014.3 lm | 32 W | 80 |
| | 111-1884 | LED-16/32W/4000K | 4291.1 lm | 32 W | 80 |
| | 111-1977 | LED-16/48W/2200K | 5190.9 lm | 48 W | 70 |
| | 111-1978 | LED-16/48W/2700K | 5190.9 lm | 48 W | 80 |
| | 111-1979 | LED-16/48W/3000K | 5606.2 lm | 48 W | 80 |
| | 111-1980 | LED-16/48W/4000K | 5952.2 lm | 48 W | 80 |