

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.

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			
Colors	RAL9004	RAL9007	RAL9016	RAL8019
	Signal black	Grey aluminium	Traffic white	Grey brown
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	120V - 277V Universal Driver
Driver / Ballast	Integral EC electronic converter. DALI
Power factor	> 0.9
Surge protection	In-line bracket 10kV Surge Protector
Energy efficiency	C-D (Light source)


Additional information

Windage	10.76 ft ²
Lifetime	Ta=25°/40° L90B10 > 100000h

Options

Light distribution	Color temperature	Nominal Watt
 [A60] Type IV Very Short	 PCA	4 W 9 W
 [S65] Type III Medium	 2200K	8 W 16 W
 [S70] Type II Short	 2700K	12 W 24 W
 [R60] Type IV Short	 3000K	32 W 48 W
 [P65] Type II Medium	 4000K	

Configurations

Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
 <p>[A60] Type IV Very Short</p>	111-2021_us	LED-8/4W/PCA	503.3 lm	4 W	70
	111-1652_us	LED-8/8W/2200K	973.1 lm	8 W	70
	111-1653_us	LED-8/8W/2700K	973.1 lm	8 W	80
	111-1653-70_us	LED-8/8W/2700K	1040.3 lm	8 W	70
	111-1654_us	LED-8/8W/3000K	1040.3 lm	8 W	80
	111-1654-70_us	LED-8/8W/3000K	1208 lm	8 W	70
	111-1655_us	LED-8/8W/4000K	1140.9 lm	8 W	80
	111-1655-70_us	LED-8/8W/4000K	1275.2 lm	8 W	70
	111-1741_us	LED-8/12W/2200K	1342.3 lm	12 W	70
	111-1742_us	LED-8/12W/2700K	1342.3 lm	12 W	80
	111-1743_us	LED-8/12W/3000K	1442.9 lm	12 W	80
	111-1744_us	LED-8/12W/4000K	1543.6 lm	12 W	80
	111-1829_us	LED-8/16W/2200K	1725.8 lm	16 W	70
	111-1830_us	LED-8/16W/2700K	1725.8 lm	16 W	80
	111-1831_us	LED-8/16W/3000K	1853.7 lm	16 W	80
	111-1832_us	LED-8/16W/4000K	1981.5 lm	16 W	80
	111-1917_us	LED-8/24W/2200K	2397 lm	24 W	70
	111-1918_us	LED-8/24W/2700K	2397 lm	24 W	80
	111-1919_us	LED-8/24W/3000K	2588.7 lm	24 W	80
	111-1920_us	LED-8/24W/4000K	2748.5 lm	24 W	80
	111-2032_us	LED-16/9W/PCA	1006.7 lm	9 W	60
	111-1697_us	LED-16/16W/2200K	1946.3 lm	16 W	70
	111-1701_us	LED-16/16W/2200K	2137.3 lm	16 W	70
	111-1698_us	LED-16/16W/2700K	1946.3 lm	16 W	80
	111-1702_us	LED-16/16W/2700K	2137.3 lm	16 W	80
	111-1698-70_us	LED-16/16W/2700K	2080.5 lm	16 W	70
	111-1702-70_us	LED-16/16W/2700K	2284.7 lm	16 W	70
	111-1699_us	LED-16/16W/3000K	2080.5 lm	16 W	80
	111-1703_us	LED-16/16W/3000K	2284.7 lm	16 W	80
	111-1699-70_us	LED-16/16W/3000K	2416.1 lm	16 W	70
	111-1703-70_us	LED-16/16W/3000K	2653.2 lm	16 W	70
	111-1700_us	LED-16/16W/4000K	2281.9 lm	16 W	80

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410-D Keystone Drive, 15086 Warrendale, PA 15086 - Phone: +1 724 742 0030

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Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
	111-1704_us	LED-16/16W/4000K	2505.8 lm	16 W	80
	111-1700-70_us	LED-16/16W/4000K	2550.3 lm	16 W	70
	111-1704-70_us	LED-16/16W/4000K	2800.6 lm	16 W	70
	111-1786_us	LED-16/24W/2700K	2684.5 lm	24 W	80
	111-1787_us	LED-16/24W/3000K	2885.9 lm	24 W	80
	111-1788_us	LED-16/24W/4000K	3087.2 lm	24 W	80
	111-1873_us	LED-16/32W/2200K	3451.6 lm	32 W	70
	111-1874_us	LED-16/32W/2700K	3451.6 lm	32 W	80
	111-1875_us	LED-16/32W/3000K	3707.3 lm	32 W	80
	111-1876_us	LED-16/32W/4000K	3963 lm	32 W	80
	111-1969_us	LED-16/48W/2200K	4793.9 lm	48 W	70
	111-1970_us	LED-16/48W/2700K	4793.9 lm	48 W	80
	111-1971_us	LED-16/48W/3000K	5177.5 lm	48 W	80
	111-1972_us	LED-16/48W/4000K	5497 lm	48 W	80
	111-2029_us	LED-8/4W/PCA	533.5 lm	4 W	70
	111-1685_us	LED-8/8W/2200K	1031.4 lm	8 W	70
	111-1686_us	LED-8/8W/2700K	1031.4 lm	8 W	80
	111-1686-70_us	LED-8/8W/2700K	1102.5 lm	8 W	70
	111-1687_us	LED-8/8W/3000K	1102.5 lm	8 W	80
	111-1687-70_us	LED-8/8W/3000K	1280.3 lm	8 W	70
	111-1688_us	LED-8/8W/4000K	1209.2 lm	8 W	80
	111-1688-70_us	LED-8/8W/4000K	1351.5 lm	8 W	70
	111-1773_us	LED-8/12W/2200K	1422.6 lm	12 W	70
	111-1774_us	LED-8/12W/2700K	1422.6 lm	12 W	80
	111-1775_us	LED-8/12W/3000K	1529.3 lm	12 W	80
	111-1776_us	LED-8/12W/4000K	1636 lm	12 W	80
	111-1861_us	LED-8/16W/2200K	1829.1 lm	16 W	70
	111-1862_us	LED-8/16W/2700K	1829.1 lm	16 W	80
	111-1863_us	LED-8/16W/3000K	1964.6 lm	16 W	80
	111-1864_us	LED-8/16W/4000K	2100.1 lm	16 W	80
	111-1949_us	LED-8/24W/2200K	2540.4 lm	24 W	70
	111-1950_us	LED-8/24W/2700K	2540.4 lm	24 W	80
	111-1951_us	LED-8/24W/3000K	2743.6 lm	24 W	80



[P65] Type II Medium

Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
	111-1952_us	LED-8/24W/4000K	2913 lm	24 W	80
	111-2040_us	LED-16/9W/PCA	1066.9 lm	9 W	60
	111-1729_us	LED-16/16W/2200K	2062.8 lm	16 W	70
	111-1730_us	LED-16/16W/2700K	2062.8 lm	16 W	80
	111-1730-70_us	LED-16/16W/2700K	2205 lm	16 W	70
	111-1731_us	LED-16/16W/3000K	2205 lm	16 W	80
	111-1731-70_us	LED-16/16W/3000K	2560.7 lm	16 W	70
	111-1732_us	LED-16/16W/4000K	2418.4 lm	16 W	80
	111-1732-70_us	LED-16/16W/4000K	2702.9 lm	16 W	70
	111-1817_us	LED-16/24W/2200K	2845.2 lm	24 W	70
	111-1818_us	LED-16/24W/2700K	2845.2 lm	24 W	80
	111-1819_us	LED-16/24W/3000K	3058.6 lm	24 W	80
	111-1820_us	LED-16/24W/4000K	3272 lm	24 W	80
	111-1905_us	LED-16/32W/2200K	3658.2 lm	32 W	70
	111-1906_us	LED-16/32W/2700K	3658.2 lm	32 W	80
	111-1907_us	LED-16/32W/3000K	3929.2 lm	32 W	80
	111-1908_us	LED-16/32W/4000K	4200.1 lm	32 W	80
	111-2001_us	LED-16/48W/2200K	5080.8 lm	48 W	70
	111-2002_us	LED-16/48W/2700K	5080.8 lm	48 W	80
	111-2003_us	LED-16/48W/3000K	5487.3 lm	48 W	80
	111-2004_us	LED-16/48W/4000K	5826 lm	48 W	80
	111-2024_us	LED-8/4W/PCA	516.6 lm	4 W	70
	111-1664_us	LED-8/8W/2200K	998.9 lm	8 W	70
	111-1665_us	LED-8/8W/2700K	998.9 lm	8 W	80
	111-1665-70_us	LED-8/8W/2700K	1067.7 lm	8 W	70
	111-1666_us	LED-8/8W/3000K	1067.7 lm	8 W	80
	111-1666-70_us	LED-8/8W/3000K	1240 lm	8 W	70
	111-1667_us	LED-8/8W/4000K	1171.1 lm	8 W	80
	111-1667-70_us	LED-8/8W/4000K	1308.8 lm	8 W	70
	111-1753_us	LED-8/12W/2200K	1377.7 lm	12 W	70
	111-1754_us	LED-8/12W/2700K	1377.7 lm	12 W	80
	111-1755_us	LED-8/12W/3000K	1481.1 lm	12 W	80
	111-1756_us	LED-8/12W/4000K	1584.4 lm	12 W	80



[R60] Type IV Short

Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
	111-1841_us	LED-8/16W/2200K	1771.4 lm	16 W	70
	111-1842_us	LED-8/16W/2700K	1771.4 lm	16 W	80
	111-1843_us	LED-8/16W/3000K	1902.6 lm	16 W	80
	111-1844_us	LED-8/16W/4000K	2033.9 lm	16 W	80
	111-1929_us	LED-8/24W/2200K	2460.3 lm	24 W	70
	111-1930_us	LED-8/24W/2700K	2460.3 lm	24 W	80
	111-1931_us	LED-8/24W/3000K	2657.1 lm	24 W	80
	111-1932_us	LED-8/24W/4000K	2821.2 lm	24 W	80
	111-2035_us	LED-16/9W/PCA	1033.3 lm	9 W	60
	111-1709_us	LED-16/16W/2200K	1997.7 lm	16 W	70
	111-1710_us	LED-16/16W/2700K	1997.7 lm	16 W	80
	111-1710-70_us	LED-16/16W/2700K	2135.5 lm	16 W	70
	111-1711_us	LED-16/16W/3000K	2135.5 lm	16 W	80
	111-1711-70_us	LED-16/16W/3000K	2479.9 lm	16 W	70
	111-1712_us	LED-16/16W/4000K	2342.1 lm	16 W	80
	111-1712-70_us	LED-16/16W/4000K	2617.7 lm	16 W	70
	111-1797_us	LED-16/24W/2200K	2755.5 lm	24 W	70
	111-1798_us	LED-16/24W/2700K	2755.5 lm	24 W	80
	111-1799_us	LED-16/24W/3000K	2962.1 lm	24 W	80
	111-1800_us	LED-16/24W/4000K	3168.8 lm	24 W	80
	111-1885_us	LED-16/32W/2200K	3542.9 lm	32 W	70
	111-1886_us	LED-16/32W/2700K	3542.9 lm	32 W	80
	111-1887_us	LED-16/32W/3000K	3805.3 lm	32 W	80
	111-1888_us	LED-16/32W/4000K	4067.7 lm	32 W	80
	111-1981_us	LED-16/48W/2200K	4920.6 lm	48 W	70
	111-1982_us	LED-16/48W/2700K	4920.6 lm	48 W	80
	111-1983_us	LED-16/48W/3000K	5314.3 lm	48 W	80
	111-1984_us	LED-16/48W/4000K	5642.3 lm	48 W	80
	111-2022_us	LED-8/4W/PCA	552.8 lm	4 W	70
	111-1656_us	LED-8/8W/2200K	1068.7 lm	8 W	70
	111-1657_us	LED-8/8W/2700K	1068.7 lm	8 W	80
	111-1657-70_us	LED-8/8W/2700K	1142.4 lm	8 W	70
	111-1658_us	LED-8/8W/3000K	1142.4 lm	8 W	80



[S65] Type III Medium

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Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
	111-1658-70_us	LED-8/8W/3000K	1326.6 lm	8 W	70
	111-1659_us	LED-8/8W/4000K	1252.9 lm	8 W	80
	111-1659-70_us	LED-8/8W/4000K	1400.3 lm	8 W	70
	111-1745_us	LED-8/12W/2200K	1474 lm	12 W	70
	111-1746_us	LED-8/12W/2700K	1474 lm	12 W	80
	111-1747_us	LED-8/12W/3000K	1584.6 lm	12 W	80
	111-1748_us	LED-8/12W/4000K	1695.1 lm	12 W	80
	111-1833_us	LED-8/16W/2200K	1895.2 lm	16 W	70
	111-1834_us	LED-8/16W/2700K	1895.2 lm	16 W	80
	111-1835_us	LED-8/16W/3000K	2035.6 lm	16 W	80
	111-1836_us	LED-8/16W/4000K	2176 lm	16 W	80
	111-1921_us	LED-8/24W/2200K	2632.3 lm	24 W	70
	111-1922_us	LED-8/24W/2700K	2632.3 lm	24 W	80
	111-1923_us	LED-8/24W/3000K	2842.8 lm	24 W	80
	111-1924_us	LED-8/24W/4000K	3018.3 lm	24 W	80
	111-2033_us	LED-16/9W/PCA	1105.5 lm	9 W	60
	111-1785_us	LED-16/24W/2200K	2684.5 lm	24 W	70
	111-1789_us	LED-16/24W/2200K	2948 lm	24 W	70
	111-1790_us	LED-16/24W/2700K	2948 lm	24 W	80
	111-1791_us	LED-16/24W/3000K	3169.1 lm	24 W	80
	111-1792_us	LED-16/24W/4000K	3390.2 lm	24 W	80
	111-1877_us	LED-16/32W/2200K	3790.5 lm	32 W	70
	111-1878_us	LED-16/32W/2700K	3790.5 lm	32 W	80
	111-1879_us	LED-16/32W/3000K	4071.2 lm	32 W	80
	111-1880_us	LED-16/32W/4000K	4352 lm	32 W	80
	111-1973_us	LED-16/48W/2200K	5264.5 lm	48 W	70
	111-1974_us	LED-16/48W/2700K	5264.5 lm	48 W	80
	111-1975_us	LED-16/48W/3000K	5685.7 lm	48 W	80
	111-1976_us	LED-16/48W/4000K	6036.7 lm	48 W	80
	111-2023_us	LED-8/4W/PCA	545 lm	4 W	70
	111-1660_us	LED-8/8W/2200K	1053.7 lm	8 W	70
	111-1661_us	LED-8/8W/2700K	1053.7 lm	8 W	80
	111-1661-70_us	LED-8/8W/2700K	1126.4 lm	8 W	70



Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
[S70] Type II Short	111-1662_us	LED-8/8W/3000K	1126.4 lm	8 W	80
	111-1662-70_us	LED-8/8W/3000K	1308.1 lm	8 W	70
	111-1663_us	LED-8/8W/4000K	1235.4 lm	8 W	80
	111-1663-70_us	LED-8/8W/4000K	1380.8 lm	8 W	70
	111-1749_us	LED-8/12W/2200K	1453.4 lm	12 W	70
	111-1750_us	LED-8/12W/2700K	1453.4 lm	12 W	80
	111-1751_us	LED-8/12W/3000K	1562.4 lm	12 W	80
	111-1752_us	LED-8/12W/4000K	1671.5 lm	12 W	80
	111-1837_us	LED-8/16W/2200K	1868.7 lm	16 W	70
	111-1838_us	LED-8/16W/2700K	1868.7 lm	16 W	80
	111-1839_us	LED-8/16W/3000K	2007.1 lm	16 W	80
	111-1840_us	LED-8/16W/4000K	2145.6 lm	16 W	80
	111-1925_us	LED-8/24W/2200K	2595.4 lm	24 W	70
	111-1926_us	LED-8/24W/2700K	2595.4 lm	24 W	80
	111-1927_us	LED-8/24W/3000K	2803.1 lm	24 W	80
	111-1928_us	LED-8/24W/4000K	2976.1 lm	24 W	80
	111-2034_us	LED-16/9W/PCA	1090.1 lm	9 W	60
	111-1705_us	LED-16/16W/2200K	2107.5 lm	16 W	70
	111-1706_us	LED-16/16W/2700K	2107.5 lm	16 W	80
	111-1706-70_us	LED-16/16W/2700K	2252.8 lm	16 W	70
	111-1707_us	LED-16/16W/3000K	2252.8 lm	16 W	80
	111-1707-70_us	LED-16/16W/3000K	2616.2 lm	16 W	70
	111-1708_us	LED-16/16W/4000K	2470.8 lm	16 W	80
	111-1708-70_us	LED-16/16W/4000K	2761.5 lm	16 W	70
	111-1793_us	LED-16/24W/2200K	2906.9 lm	24 W	70
	111-1794_us	LED-16/24W/2700K	2906.9 lm	24 W	80
	111-1795_us	LED-16/24W/3000K	3124.9 lm	24 W	80
	111-1796_us	LED-16/24W/4000K	3342.9 lm	24 W	80
	111-1881_us	LED-16/32W/2200K	3737.4 lm	32 W	70
	111-1882_us	LED-16/32W/2700K	3737.4 lm	32 W	80
	111-1883_us	LED-16/32W/3000K	4014.3 lm	32 W	80
	111-1884_us	LED-16/32W/4000K	4291.1 lm	32 W	80
	111-1977_us	LED-16/48W/2200K	5190.9 lm	48 W	70

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Light distribution	Part ID	Light source	Delivered lumens	Rated input power	CRI
	111-1978_us	LED-16/48W/2700K	5190.9 lm	48 W	80
	111-1979_us	LED-16/48W/3000K	5606.2 lm	48 W	80
	111-1980_us	LED-16/48W/4000K	5952.2 lm	48 W	80
