

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 post top variant with spigot size $\text{Ø} 76 \times 85$ mm. $\text{Ø} 60 \times 100$ 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	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	0.092 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>	111-1628	LED-8/4W/PCA	503.3 lm	4 W	70
	111-1261	LED-8/8W/2200K	973.1 lm	8 W	70
	111-1262	LED-8/8W/2700K	973.1 lm	8 W	80
	111-1262-70	LED-8/8W/2700K	1040.3 lm	8 W	70
	111-1263	LED-8/8W/3000K	1040.3 lm	8 W	80
	111-1263-70	LED-8/8W/3000K	1208 lm	8 W	70
	111-1264	LED-8/8W/4000K	1140.9 lm	8 W	80
	111-1264-70	LED-8/8W/4000K	1275.2 lm	8 W	70
	111-1349	LED-8/12W/2200K	1342.3 lm	12 W	70
	111-1350	LED-8/12W/2700K	1342.3 lm	12 W	80
	111-1351	LED-8/12W/3000K	1442.9 lm	12 W	80
	111-1352	LED-8/12W/4000K	1543.6 lm	12 W	80
	111-1435	LED-8/16W/2200K	1725.8 lm	16 W	70
	111-1436	LED-8/16W/2700K	1725.8 lm	16 W	80
	111-1437	LED-8/16W/3000K	1853.7 lm	16 W	80
	111-1438	LED-8/16W/4000K	1981.5 lm	16 W	80
	111-1524	LED-8/24W/2200K	2397 lm	24 W	70
	111-1525	LED-8/24W/2700K	2397 lm	24 W	80
	111-1526	LED-8/24W/3000K	2588.7 lm	24 W	80
	111-1527	LED-8/24W/4000K	2748.5 lm	24 W	80
	111-1639	LED-16/9W/PCA	1006.7 lm	9 W	60
	111-1305	LED-16/16W/2200K	1946.3 lm	16 W	70
	111-1306	LED-16/16W/2700K	1946.3 lm	16 W	80
	111-1306-70	LED-16/16W/2700K	2080.5 lm	16 W	70
	111-1307	LED-16/16W/3000K	2080.5 lm	16 W	80
	111-1307-70	LED-16/16W/3000K	2416.1 lm	16 W	70
	111-1308	LED-16/16W/4000K	2281.9 lm	16 W	80
	111-1308-70	LED-16/16W/4000K	2550.3 lm	16 W	70
	111-1391	LED-16/24W/2200K	2684.5 lm	24 W	70
	111-1392	LED-16/24W/2700K	2684.5 lm	24 W	80
	111-1393	LED-16/24W/3000K	2885.9 lm	24 W	80
	111-1394	LED-16/24W/4000K	3087.2 lm	24 W	80
	111-1480	LED-16/32W/2200K	3451.6 lm	32 W	70
	111-1481	LED-16/32W/2700K	3451.6 lm	32 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-1482	LED-16/32W/3000K	3707.3 lm	32 W	80
	111-1483	LED-16/32W/4000K	3963 lm	32 W	80
	111-1576	LED-16/48W/2200K	4793.9 lm	48 W	70
	111-1577	LED-16/48W/2700K	4793.9 lm	48 W	80
	111-1578	LED-16/48W/3000K	5177.5 lm	48 W	80
	111-1579	LED-16/48W/4000K	5497 lm	48 W	80
	111-1636	LED-8/4W/PCA	533.5 lm	4 W	70
 [P65] pedestrian/bicycle lane	111-1293	LED-8/8W/2200K	1031.4 lm	8 W	70
	111-1294	LED-8/8W/2700K	1031.4 lm	8 W	80
	111-1294-70	LED-8/8W/2700K	1102.5 lm	8 W	70
	111-1295	LED-8/8W/3000K	1102.5 lm	8 W	80
	111-1295-70	LED-8/8W/3000K	1280.3 lm	8 W	70
	111-1296	LED-8/8W/4000K	1209.2 lm	8 W	80
	111-1296-70	LED-8/8W/4000K	1351.5 lm	8 W	70
	111-1381	LED-8/12W/2200K	1422.6 lm	12 W	70
	111-1382	LED-8/12W/2700K	1422.6 lm	12 W	80
	111-1383	LED-8/12W/3000K	1529.3 lm	12 W	80
	111-1384	LED-8/12W/4000K	1636 lm	12 W	80
	111-1468	LED-8/16W/2200K	1829.1 lm	16 W	70
	111-1469	LED-8/16W/2700K	1829.1 lm	16 W	80
	111-1470	LED-8/16W/3000K	1964.6 lm	16 W	80
	111-1471	LED-8/16W/4000K	2100.1 lm	16 W	80
	111-1556	LED-8/24W/2200K	2540.4 lm	24 W	70
	111-1557	LED-8/24W/2700K	2540.4 lm	24 W	80
	111-1558	LED-8/24W/3000K	2743.6 lm	24 W	80
	111-1559	LED-8/24W/4000K	2913 lm	24 W	80
	111-1647	LED-16/9W/PCA	1066.9 lm	9 W	60
	111-1337	LED-16/16W/2200K	2062.8 lm	16 W	70
	111-1338	LED-16/16W/2700K	2062.8 lm	16 W	80
	111-1338-70	LED-16/16W/2700K	2205 lm	16 W	70
	111-1339	LED-16/16W/3000K	2205 lm	16 W	80
	111-1339-70	LED-16/16W/3000K	2560.7 lm	16 W	70
	111-1340	LED-16/16W/4000K	2418.4 lm	16 W	80
	111-1340-70	LED-16/16W/4000K	2702.9 lm	16 W	70
	111-1423	LED-16/24W/2200K	2845.2 lm	24 W	70
111-1424	LED-16/24W/2700K	2845.2 lm	24 W	80	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-1425	LED-16/24W/3000K	3058.6 lm	24 W	80
	111-1426	LED-16/24W/4000K	3272 lm	24 W	80
	111-1512	LED-16/32W/2200K	3658.2 lm	32 W	70
	111-1513	LED-16/32W/2700K	3658.2 lm	32 W	80
	111-1514	LED-16/32W/3000K	3929.2 lm	32 W	80
	111-1515	LED-16/32W/4000K	4200.1 lm	32 W	80
	111-1608	LED-16/48W/2200K	5080.8 lm	48 W	70
	111-1609	LED-16/48W/2700K	5080.8 lm	48 W	80
	111-1610	LED-16/48W/3000K	5487.3 lm	48 W	80
	111-1611	LED-16/48W/4000K	5826 lm	48 W	80
	111-1631	LED-8/4W/PCA	516.6 lm	4 W	70
	111-1273	LED-8/8W/2200K	998.9 lm	8 W	70
	111-1274	LED-8/8W/2700K	998.9 lm	8 W	80
	111-1274-70	LED-8/8W/2700K	1067.7 lm	8 W	70
	111-1275	LED-8/8W/3000K	1067.7 lm	8 W	80
	111-1275-70	LED-8/8W/3000K	1240 lm	8 W	70
	111-1276	LED-8/8W/4000K	1171.1 lm	8 W	80
	111-1276-70	LED-8/8W/4000K	1308.8 lm	8 W	70
	111-1361	LED-8/12W/2200K	1377.7 lm	12 W	70
	111-1362	LED-8/12W/2700K	1377.7 lm	12 W	80
	111-1363	LED-8/12W/3000K	1481.1 lm	12 W	80
	111-1364	LED-8/12W/4000K	1584.4 lm	12 W	80
	111-1447	LED-8/16W/2200K	1771.4 lm	16 W	70
	111-1448	LED-8/16W/2700K	1771.4 lm	16 W	80
	111-1449	LED-8/16W/3000K	1902.6 lm	16 W	80
	111-1450	LED-8/16W/4000K	2033.9 lm	16 W	80
	111-1536	LED-8/24W/2200K	2460.3 lm	24 W	70
	111-1537	LED-8/24W/2700K	2460.3 lm	24 W	80
	111-1538	LED-8/24W/3000K	2657.1 lm	24 W	80
	111-1539	LED-8/24W/4000K	2821.2 lm	24 W	80
	111-1642	LED-16/9W/PCA	1033.3 lm	9 W	60
	111-1317	LED-16/16W/2200K	1997.7 lm	16 W	70
	111-1318	LED-16/16W/2700K	1997.7 lm	16 W	80
	111-1318-70	LED-16/16W/2700K	2135.5 lm	16 W	70
	111-1319	LED-16/16W/3000K	2135.5 lm	16 W	80
	111-1319-70	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
	111-1320	LED-16/16W/4000K	2342.1 lm	16 W	80
	111-1320-70	LED-16/16W/4000K	2617.7 lm	16 W	70
	111-1403	LED-16/24W/2200K	2755.5 lm	24 W	70
	111-1404	LED-16/24W/2700K	2755.5 lm	24 W	80
	111-1405	LED-16/24W/3000K	2962.1 lm	24 W	80
	111-1406	LED-16/24W/4000K	3168.8 lm	24 W	80
	111-1492	LED-16/32W/2200K	3542.9 lm	32 W	70
	111-1493	LED-16/32W/2700K	3542.9 lm	32 W	80
	111-1494	LED-16/32W/3000K	3805.3 lm	32 W	80
	111-1495	LED-16/32W/4000K	4067.7 lm	32 W	80
	111-1588	LED-16/48W/2200K	4920.6 lm	48 W	70
	111-1589	LED-16/48W/2700K	4920.6 lm	48 W	80
	111-1590	LED-16/48W/3000K	5314.3 lm	48 W	80
	111-1591	LED-16/48W/4000K	5642.3 lm	48 W	80
	111-1629	LED-8/4W/PCA	552.8 lm	4 W	70
	111-1265	LED-8/8W/2200K	1068.7 lm	8 W	70
	111-1266	LED-8/8W/2700K	1068.7 lm	8 W	80
	111-1266-70	LED-8/8W/2700K	1142.4 lm	8 W	70
	111-1267	LED-8/8W/3000K	1142.4 lm	8 W	80
	111-1267-70	LED-8/8W/3000K	1326.6 lm	8 W	70
	111-1268	LED-8/8W/4000K	1252.9 lm	8 W	80
	111-1268-70	LED-8/8W/4000K	1400.3 lm	8 W	70
	111-1353	LED-8/12W/2200K	1474 lm	12 W	70
	111-1354	LED-8/12W/2700K	1474 lm	12 W	80
	111-1355	LED-8/12W/3000K	1584.6 lm	12 W	80
	111-1356	LED-8/12W/4000K	1695.1 lm	12 W	80
	111-1439	LED-8/16W/2200K	1895.2 lm	16 W	70
	111-1440	LED-8/16W/2700K	1895.2 lm	16 W	80
	111-1441	LED-8/16W/3000K	2035.6 lm	16 W	80
	111-1442	LED-8/16W/4000K	2176 lm	16 W	80
	111-1528	LED-8/24W/2200K	2632.3 lm	24 W	70
	111-1529	LED-8/24W/2700K	2632.3 lm	24 W	80
	111-1530	LED-8/24W/3000K	2842.8 lm	24 W	80
	111-1531	LED-8/24W/4000K	3018.3 lm	24 W	80
	111-1640	LED-16/9W/PCA	1105.5 lm	9 W	60
	111-1309	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	
	111-1310	LED-16/16W/2700K	2137.3 lm	16 W	80	
	111-1310-70	LED-16/16W/2700K	2284.7 lm	16 W	70	
	111-1311	LED-16/16W/3000K	2284.7 lm	16 W	80	
	111-1311-70	LED-16/16W/3000K	2653.2 lm	16 W	70	
	111-1312	LED-16/16W/4000K	2505.8 lm	16 W	80	
	111-1312-70	LED-16/16W/4000K	2800.6 lm	16 W	70	
	111-1395	LED-16/24W/2200K	2948 lm	24 W	70	
	111-1396	LED-16/24W/2700K	2948 lm	24 W	80	
	111-1397	LED-16/24W/3000K	3169.1 lm	24 W	80	
	111-1398	LED-16/24W/4000K	3390.2 lm	24 W	80	
	111-1484	LED-16/32W/2200K	3790.5 lm	32 W	70	
	111-1485	LED-16/32W/2700K	3790.5 lm	32 W	80	
	111-1486	LED-16/32W/3000K	4071.2 lm	32 W	80	
	111-1487	LED-16/32W/4000K	4352 lm	32 W	80	
	111-1580	LED-16/48W/2200K	5264.5 lm	48 W	70	
	111-1581	LED-16/48W/2700K	5264.5 lm	48 W	80	
	111-1582	LED-16/48W/3000K	5685.7 lm	48 W	80	
	111-1583	LED-16/48W/4000K	6036.7 lm	48 W	80	
	[S70] asymmetric, side throw	111-1630	LED-8/4W/PCA	545 lm	4 W	70
		111-1269	LED-8/8W/2200K	1053.7 lm	8 W	70
		111-1270	LED-8/8W/2700K	1053.7 lm	8 W	80
		111-1270-70	LED-8/8W/2700K	1126.4 lm	8 W	70
		111-1271	LED-8/8W/3000K	1126.4 lm	8 W	80
		111-1271-70	LED-8/8W/3000K	1308.1 lm	8 W	70
		111-1272	LED-8/8W/4000K	1235.4 lm	8 W	80
		111-1272-70	LED-8/8W/4000K	1380.8 lm	8 W	70
		111-1357	LED-8/12W/2200K	1453.4 lm	12 W	70
		111-1358	LED-8/12W/2700K	1453.4 lm	12 W	80
		111-1359	LED-8/12W/3000K	1562.4 lm	12 W	80
		111-1360	LED-8/12W/4000K	1671.5 lm	12 W	80
		111-1443	LED-8/16W/2200K	1868.7 lm	16 W	70
		111-1444	LED-8/16W/2700K	1868.7 lm	16 W	80
	111-1445	LED-8/16W/3000K	2007.1 lm	16 W	80	
	111-1446	LED-8/16W/4000K	2145.6 lm	16 W	80	
	111-1532	LED-8/24W/2200K	2595.4 lm	24 W	70	
	111-1533	LED-8/24W/2700K	2595.4 lm	24 W	80	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-1534	LED-8/24W/3000K	2803.1 lm	24 W	80
	111-1535	LED-8/24W/4000K	2976.1 lm	24 W	80
	111-1641	LED-16/9W/PCA	1090.1 lm	9 W	60
	111-1313	LED-16/16W/2200K	2107.5 lm	16 W	70
	111-1314	LED-16/16W/2700K	2107.5 lm	16 W	80
	111-1314-70	LED-16/16W/2700K	2252.8 lm	16 W	70
	111-1315	LED-16/16W/3000K	2252.8 lm	16 W	80
	111-1315-70	LED-16/16W/3000K	2616.2 lm	16 W	70
	111-1316	LED-16/16W/4000K	2470.8 lm	16 W	80
	111-1316-70	LED-16/16W/4000K	2761.5 lm	16 W	70
	111-1399	LED-16/24W/2200K	2906.9 lm	24 W	70
	111-1400	LED-16/24W/2700K	2906.9 lm	24 W	80
	111-1401	LED-16/24W/3000K	3124.9 lm	24 W	80
	111-1402	LED-16/24W/4000K	3342.9 lm	24 W	80
	111-1488	LED-16/32W/2200K	3737.4 lm	32 W	70
	111-1489	LED-16/32W/2700K	3737.4 lm	32 W	80
	111-1490	LED-16/32W/3000K	4014.3 lm	32 W	80
	111-1491	LED-16/32W/4000K	4291.1 lm	32 W	80
	111-1584	LED-16/48W/2200K	5190.9 lm	48 W	70
	111-1585	LED-16/48W/2700K	5190.9 lm	48 W	80
	111-1586	LED-16/48W/3000K	5606.2 lm	48 W	80
	111-1587	LED-16/48W/4000K	5952.2 lm	48 W	80