

### Description

IP66, Class I or Class II. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. RFC® Reflection Free Contour main lens. Integral EC electronic converter in thermally separated compartment. DALI. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. The luminaire is factory-sealed and does not need to be opened during installation.

Optional 2200 K version available. To be specified at time of ordering.

Eco Step Dim® on request.

Spigot Ø 60 x 80 mm optional available. Must be indicated during order placement.

Photometric files (IES, LDT) for light distributions [S60] [S65] [S70] [R65] [P65] [A60] with Backlight Shield on request.

## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy																
Lens	RFC® Reflection Free Contour technology																
Colours	<table><tr><td><b>RAL9004</b></td><td><b>RAL9006</b></td><td><b>RAL9016</b></td><td><b>RAL7016</b></td></tr><tr><td>Signal black</td><td>White aluminium</td><td>Traffic white</td><td>Anthracite grey</td></tr><tr><td><b>RAL9007</b></td><td></td><td></td><td></td></tr><tr><td>Grey aluminium</td><td></td><td></td><td></td></tr></table>	<b>RAL9004</b>	<b>RAL9006</b>	<b>RAL9016</b>	<b>RAL7016</b>	Signal black	White aluminium	Traffic white	Anthracite grey	<b>RAL9007</b>				Grey aluminium			
<b>RAL9004</b>	<b>RAL9006</b>	<b>RAL9016</b>	<b>RAL7016</b>														
Signal black	White aluminium	Traffic white	Anthracite grey														
<b>RAL9007</b>																	
Grey aluminium																	
Gasket	Silicone CCG® Controlled Compression Gasket																
Fasteners	PCS Polymer Coated Stainless Steel Hardware																
Ingress protection	IP66																
Corrosion resistance	5CE																

### Electrical description

Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral EC electronic converter. DALI
Surge protection	6/6 kV
Energy efficiency	C-D (Light source)

### Additional information


Lifetime	Ta=25° L90B10 > 90000h
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**Options**


**Light distribution**


**Colour temperature**

**Nominal Watt**

 [S60] asymmetric, side throw


 [S70] asymmetric, side throw


 [A60] asymmetric, forward throw




 [S65] asymmetric, side throw

 [R65] rectangular, side throw



 [P65] pedestrian/bicycle lane

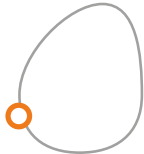

 [P45L] pedestrian crossing, left-hand traffic


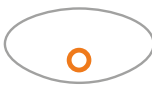
 [P45R] pedestrian crossing, right-hand traffic


	3000K	12 W
	4000K	24 W
	2700K	48 W
		72 W

## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[A60] asymmetric, forward throw</p>	108-2331	LED-12/12W/2700K	1521.2 lm	12 W	80
	108-2331-70	LED-12/12W/2700K	1626.1 lm	12 W	70
	108-1129	LED-12/12W/3000K	1626.1 lm	12 W	80
	108-1129-70	LED-12/12W/3000K	1888.4 lm	12 W	70
	108-1130	LED-12/12W/4000K	1783.5 lm	12 W	80
	108-1130-70	LED-12/12W/4000K	1993.3 lm	12 W	70
	108-2332	LED-12/24W/2700K	2688.3 lm	24 W	80
	108-2332-70	LED-12/24W/2700K	2887.4 lm	24 W	70
	108-1144	LED-12/24W/3000K	2887.4 lm	24 W	80
	108-1144-70	LED-12/24W/3000K	3285.6 lm	24 W	70
	108-1145	LED-12/24W/4000K	3086.5 lm	24 W	80
	108-1145-70	LED-12/24W/4000K	3484.8 lm	24 W	70
	108-2333	LED-24/24W/2700K	3042.4 lm	24 W	80
	108-2333-70	LED-24/24W/2700K	3252.2 lm	24 W	70
	108-1159	LED-24/24W/3000K	3252.2 lm	24 W	80
	108-1159-70	LED-24/24W/3000K	3776.8 lm	24 W	70
	108-1160	LED-24/24W/4000K	3566.9 lm	24 W	80
	108-1160-70	LED-24/24W/4000K	3986.6 lm	24 W	70
	108-2334	LED-24/48W/2700K	5376.5 lm	48 W	80
	108-2334-70	LED-24/48W/2700K	5774.8 lm	48 W	70
	108-1174	LED-24/48W/3000K	5774.8 lm	48 W	80
	108-1174-70	LED-24/48W/3000K	6571.3 lm	48 W	70
	108-1175	LED-24/48W/4000K	6173 lm	48 W	80
	108-1175-70	LED-24/48W/4000K	6969.6 lm	48 W	70
	108-2348	LED-24/72W/2700K	8110.5 lm	72 W	80
	108-2348-70	LED-24/72W/2700K	9297.4 lm	72 W	70
	108-2040	LED-24/72W/3000K	8506.1 lm	72 W	80
	108-2040-70	LED-24/72W/3000K	9693 lm	72 W	70
108-2041	LED-24/72W/4000K	8901.8 lm	72 W	80	
108-2041-70	LED-24/72W/4000K	10088.7 lm	72 W	70	
	108-2807	LED-24/72W/2700K	8850.3 lm	72 W	80
	108-2808	LED-24/72W/3000K	9282 lm	72 W	80
	108-2809	LED-24/72W/4000K	9713.7 lm	72 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
[P45L] pedestrian crossing, left-hand traffic					
	108-2810	LED-24/72W/2700K	8850.3 lm	72 W	80
	108-2811	LED-24/72W/3000K	9282 lm	72 W	80
	108-2812	LED-24/72W/4000K	9713.7 lm	72 W	80
[P45R] pedestrian crossing, right-hand traffic					
	108-2335	LED-12/12W/2700K	1598.1 lm	12 W	80
	108-2335-70	LED-12/12W/2700K	1708.3 lm	12 W	70
	108-1552	LED-12/12W/3000K	1708.3 lm	12 W	80
[P65] pedestrian/bicycle lane	108-1552-70	LED-12/12W/3000K	1983.8 lm	12 W	70
	108-1553	LED-12/12W/4000K	1873.6 lm	12 W	80
	108-1553-70	LED-12/12W/4000K	2094.1 lm	12 W	70
	108-2241	LED-12/24W/2700K	2907.1 lm	24 W	80
	108-2241-70	LED-12/24W/2700K	3122.4 lm	24 W	70
	108-1554	LED-12/24W/3000K	3122.4 lm	24 W	80
	108-1554-70	LED-12/24W/3000K	3553.1 lm	24 W	70
	108-1555	LED-12/24W/4000K	3337.7 lm	24 W	80
	108-1555-70	LED-12/24W/4000K	3768.4 lm	24 W	70
	108-2336	LED-24/24W/2700K	3196.2 lm	24 W	80
	108-2336-70	LED-24/24W/2700K	3416.6 lm	24 W	70
	108-1556	LED-24/24W/3000K	3416.6 lm	24 W	80
	108-1556-70	LED-24/24W/3000K	3967.7 lm	24 W	70
	108-1557	LED-24/24W/4000K	3747.2 lm	24 W	80
	108-1557-70	LED-24/24W/4000K	4188.1 lm	24 W	70
	108-2337	LED-24/48W/2700K	5814.1 lm	48 W	80
	108-2337-70	LED-24/48W/2700K	6244.8 lm	48 W	70
	108-1558	LED-24/48W/3000K	6244.8 lm	48 W	80
	108-1558-70	LED-24/48W/3000K	7106.1 lm	48 W	70
	108-1559	LED-24/48W/4000K	6675.5 lm	48 W	80
	108-1559-70	LED-24/48W/4000K	7536.8 lm	48 W	70
	108-2349	LED-24/72W/2700K	8942.8 lm	72 W	80
	108-2349-70	LED-24/72W/2700K	10251.5 lm	72 W	70
	108-2042	LED-24/72W/3000K	9379 lm	72 W	80
	108-2042-70	LED-24/72W/3000K	10687.7 lm	72 W	70

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 [R65] rectangular, side throw	108-2043	LED-24/72W/4000K	9815.2 lm	72 W	80
	108-2043-70	LED-24/72W/4000K	11123.9 lm	72 W	70
	108-2328	LED-12/12W/2700K	1564.1 lm	12 W	80
	108-2328-70	LED-12/12W/2700K	1671.9 lm	12 W	70
	108-1135	LED-12/12W/3000K	1671.9 lm	12 W	80
	108-1135-70	LED-12/12W/3000K	1941.6 lm	12 W	70
	108-1136	LED-12/12W/4000K	1833.7 lm	12 W	80
	108-1136-70	LED-12/12W/4000K	2049.4 lm	12 W	70
	108-2240	LED-12/24W/2700K	2725.4 lm	24 W	80
	108-2240-70	LED-12/24W/2700K	2927.2 lm	24 W	70
	108-1150	LED-12/24W/3000K	2927.2 lm	24 W	80
	108-1150-70	LED-12/24W/3000K	3331 lm	24 W	70
	108-1151	LED-12/24W/4000K	3129.1 lm	24 W	80
	108-1151-70	LED-12/24W/4000K	3532.9 lm	24 W	70
	108-2329	LED-24/24W/2700K	3128.1 lm	24 W	80
	108-2329-70	LED-24/24W/2700K	3343.8 lm	24 W	70
	108-1165	LED-24/24W/3000K	3343.8 lm	24 W	80
	108-1165-70	LED-24/24W/3000K	3883.2 lm	24 W	70
	108-1166	LED-24/24W/4000K	3667.4 lm	24 W	80
	108-1166-70	LED-24/24W/4000K	4098.9 lm	24 W	70
108-2330	LED-24/48W/2700K	5450.7 lm	48 W	80	
108-2330-70	LED-24/48W/2700K	5854.5 lm	48 W	70	
108-1180	LED-24/48W/3000K	5854.5 lm	48 W	80	
108-1180-70	LED-24/48W/3000K	6662 lm	48 W	70	
108-1181	LED-24/48W/4000K	6258.2 lm	48 W	80	
108-1181-70	LED-24/48W/4000K	7065.7 lm	48 W	70	
108-2347	LED-24/72W/2700K	8295.2 lm	72 W	80	
108-2347-70	LED-24/72W/2700K	9509.1 lm	72 W	70	
108-2044	LED-24/72W/3000K	8699.8 lm	72 W	80	
108-2044-70	LED-24/72W/3000K	9913.8 lm	72 W	70	
108-2045	LED-24/72W/4000K	9104.5 lm	72 W	80	
108-2045-70	LED-24/72W/4000K	10318.4 lm	72 W	70	
	108-2317	LED-12/12W/2700K	1613.9 lm	12 W	80
	108-2317-70	LED-12/12W/2700K	1725.2 lm	12 W	70
	108-1123	LED-12/12W/3000K	1725.2 lm	12 W	80
	108-1123-70	LED-12/12W/3000K	2003.4 lm	12 W	70

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	
[S60] asymmetric, side throw	108-1124	LED-12/12W/4000K	1892.1 lm	12 W	80	
	108-1124-70	LED-12/12W/4000K	2114.7 lm	12 W	70	
	108-2318	LED-12/24W/2700K	3005.1 lm	24 W	80	
	108-2318-70	LED-12/24W/2700K	3227.7 lm	24 W	70	
	108-1138	LED-12/24W/3000K	3120.9 lm	24 W	80	
	108-1138-70	LED-12/24W/3000K	3551.3 lm	24 W	70	
	108-1139	LED-12/24W/4000K	3336.1 lm	24 W	80	
	108-1139-70	LED-12/24W/4000K	3766.6 lm	24 W	70	
	108-2319	LED-24/24W/2700K	3227.7 lm	24 W	80	
	108-2319-70	LED-24/24W/2700K	3450.3 lm	24 W	70	
	108-1153	LED-24/24W/3000K	3450.3 lm	24 W	80	
	108-1153-70	LED-24/24W/3000K	4006.8 lm	24 W	70	
	108-1154	LED-24/24W/4000K	3784.2 lm	24 W	80	
	108-1154-70	LED-24/24W/4000K	4229.4 lm	24 W	70	
	108-2320	LED-24/48W/2700K	5811.3 lm	48 W	80	
	108-2320-70	LED-24/48W/2700K	6241.8 lm	48 W	70	
	108-1168	LED-24/48W/3000K	6241.8 lm	48 W	80	
	108-1168-70	LED-24/48W/3000K	7102.7 lm	48 W	70	
	108-1169	LED-24/48W/4000K	6672.2 lm	48 W	80	
	108-1169-70	LED-24/48W/4000K	7533.2 lm	48 W	70	
	108-2344	LED-24/72W/2700K	8772.3 lm	72 W	80	
	108-2344-70	LED-24/72W/2700K	10056.1 lm	72 W	70	
	108-2046	LED-24/72W/3000K	9200.3 lm	72 W	80	
	108-2046-70	LED-24/72W/3000K	10484 lm	72 W	70	
	108-2047	LED-24/72W/4000K	9628.2 lm	72 W	80	
	108-2047-70	LED-24/72W/4000K	10911.9 lm	72 W	70	
	 [S65] asymmetric, side throw	108-2321	LED-12/12W/2700K	1636.5 lm	12 W	80
		108-2321-70	LED-12/12W/2700K	1749.4 lm	12 W	70
		108-1132	LED-12/12W/3000K	1749.4 lm	12 W	80
		108-1132-70	LED-12/12W/3000K	2031.6 lm	12 W	70
		108-1133	LED-12/12W/4000K	1918.7 lm	12 W	80
		108-1133-70	LED-12/12W/4000K	2144.4 lm	12 W	70
108-2322		LED-12/24W/2700K	3047.3 lm	24 W	80	
108-2322-70		LED-12/24W/2700K	3273.1 lm	24 W	70	
108-1147		LED-12/24W/3000K	3156 lm	24 W	80	
108-1147-70		LED-12/24W/3000K	3591.3 lm	24 W	70	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	108-1148	LED-12/24W/4000K	3373.6 lm	24 W	80
	108-1148-70	LED-12/24W/4000K	3809 lm	24 W	70
	108-2323	LED-24/24W/2700K	3273.1 lm	24 W	80
	108-2323-70	LED-24/24W/2700K	3498.8 lm	24 W	70
	108-1162	LED-24/24W/3000K	3498.8 lm	24 W	80
	108-1162-70	LED-24/24W/3000K	4063.1 lm	24 W	70
	108-1163	LED-24/24W/4000K	3837.4 lm	24 W	80
	108-1163-70	LED-24/24W/4000K	4288.9 lm	24 W	70
	108-2324	LED-24/48W/2700K	5876.7 lm	48 W	80
	108-2324-70	LED-24/48W/2700K	6312 lm	48 W	70
	108-1177	LED-24/48W/3000K	6312 lm	48 W	80
	108-1177-70	LED-24/48W/3000K	7182.6 lm	48 W	70
	108-1178	LED-24/48W/4000K	6747.3 lm	48 W	80
	108-1178-70	LED-24/48W/4000K	7617.9 lm	48 W	70
	108-2345	LED-24/72W/2700K	8944.1 lm	72 W	80
	108-2345-70	LED-24/72W/2700K	10252.9 lm	72 W	70
	108-2048	LED-24/72W/3000K	9380.3 lm	72 W	80
	108-2048-70	LED-24/72W/3000K	10689.2 lm	72 W	70
	108-2049	LED-24/72W/4000K	9816.6 lm	72 W	80
	108-2049-70	LED-24/72W/4000K	11125.5 lm	72 W	70
	108-2325	LED-12/12W/2700K	1609.2 lm	12 W	80
	108-2325-70	LED-12/12W/2700K	1720.2 lm	12 W	70
	108-1126	LED-12/12W/3000K	1720.2 lm	12 W	80
	108-1126-70	LED-12/12W/3000K	1997.6 lm	12 W	70
	108-1127	LED-12/12W/4000K	1886.7 lm	12 W	80
	108-1127-70	LED-12/12W/4000K	2108.6 lm	12 W	70
	108-2326	LED-12/24W/2700K	2877.3 lm	24 W	80
	108-2326-70	LED-12/24W/2700K	3090.4 lm	24 W	70
	108-1141	LED-12/24W/3000K	3090.4 lm	24 W	80
	108-1141-70	LED-12/24W/3000K	3516.7 lm	24 W	70
	108-1142	LED-12/24W/4000K	3303.5 lm	24 W	80
	108-1142-70	LED-12/24W/4000K	3729.8 lm	24 W	70
	108-2327	LED-24/24W/2700K	3218.4 lm	24 W	80
	108-2327-70	LED-24/24W/2700K	3440.4 lm	24 W	70
	108-1156	LED-24/24W/3000K	3440.4 lm	24 W	80
	108-1156-70	LED-24/24W/3000K	3995.3 lm	24 W	70



[S70] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	108-1157	LED-24/24W/4000K	3773.3 lm	24 W	80
	108-1157-70	LED-24/24W/4000K	4217.2 lm	24 W	70
	108-1872-70	LED-24/48W/2700K	6180.8 lm	48 W	70
	108-1171	LED-24/48W/3000K	6180.8 lm	48 W	80
	108-1171-70	LED-24/48W/3000K	7033.3 lm	48 W	70
	108-1172	LED-24/48W/4000K	6607.1 lm	48 W	80
	108-1172-70	LED-24/48W/4000K	7459.6 lm	48 W	70
	108-2346	LED-24/72W/2700K	8635.7 lm	72 W	80
	108-2346-70	LED-24/72W/2700K	9899.4 lm	72 W	70
	108-2050	LED-24/72W/3000K	9056.9 lm	72 W	80
	108-2050-70	LED-24/72W/3000K	10320.7 lm	72 W	70
	108-2051	LED-24/72W/4000K	9478.2 lm	72 W	80
	108-2051-70	LED-24/72W/4000K	10741.9 lm	72 W	70