

### 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.

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																	
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	6/6 kV
Energy efficiency	C-D (Light source)

### Additional information

Lifetime	Ta=25° L90B10 > 90000h
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**Options****Light distribution** [S60] asymmetric, side throw [S65] asymmetric, side throw [S70] asymmetric, side throw [R65] rectangular, side throw [A60] asymmetric, forward throw [P65] pedestrian/bicycle lane**Colour temperature** 3000K 4000K 2700K**Nominal Watt**



12 W



24 W

36 W

## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	
 <p>[A60] asymmetric, forward throw</p>	108-2313	LED-12/12W/2700K	1529.5 lm	12 W	80	
	108-2313-70	LED-12/12W/2700K	1635 lm	12 W	70	
	108-1496	LED-12/12W/3000K	1635 lm	12 W	80	
	108-1496-70	LED-12/12W/3000K	1898.7 lm	12 W	70	
	108-1497	LED-12/12W/4000K	1793.2 lm	12 W	80	
	108-1497-70	LED-12/12W/4000K	2004.2 lm	12 W	70	
	108-2314	LED-12/24W/2700K	2745.5 lm	24 W	80	
	108-2314-70	LED-12/24W/2700K	2948.9 lm	24 W	70	
	108-1498	LED-12/24W/3000K	2948.9 lm	24 W	80	
	108-1498-70	LED-12/24W/3000K	3355.7 lm	24 W	70	
	108-1499	LED-12/24W/4000K	3152.3 lm	24 W	80	
	108-1499-70	LED-12/24W/4000K	3559 lm	24 W	70	
	108-2342	LED-12/36W/2700K	4055.2 lm	36 W	80	
	108-2342-70	LED-12/36W/2700K	4648.7 lm	36 W	70	
	108-2038	LED-12/36W/3000K	4253.1 lm	36 W	80	
	108-2038-70	LED-12/36W/3000K	4846.5 lm	36 W	70	
	108-2039	LED-12/36W/4000K	4450.9 lm	36 W	80	
	108-2039-70	LED-12/36W/4000K	5044.3 lm	36 W	70	
	 <p>[P65] pedestrian/bicycle lane</p>	108-2315	LED-12/12W/2700K	1598.1 lm	12 W	80
		108-2315-70	LED-12/12W/2700K	1708.3 lm	12 W	70
108-1500		LED-12/12W/3000K	1708.3 lm	12 W	80	
108-1500-70		LED-12/12W/3000K	1983.8 lm	12 W	70	
108-1501		LED-12/12W/4000K	1873.6 lm	12 W	80	
108-1501-70		LED-12/12W/4000K	2094.1 lm	12 W	70	
108-2316		LED-12/24W/2700K	2907.1 lm	24 W	80	
108-2316-70		LED-12/24W/2700K	3122.4 lm	24 W	70	
108-1502		LED-12/24W/3000K	3122.4 lm	24 W	80	
108-1502-70		LED-12/24W/3000K	3553.1 lm	24 W	70	
108-1503		LED-12/24W/4000K	3337.7 lm	24 W	80	
108-1503-70		LED-12/24W/4000K	3768.4 lm	24 W	70	
108-2343		LED-12/36W/2700K	4471.4 lm	36 W	80	
108-2343-70		LED-12/36W/2700K	5125.7 lm	36 W	70	
108-2036		LED-12/36W/3000K	4689.5 lm	36 W	80	
108-2036-70		LED-12/36W/3000K	5343.8 lm	36 W	70	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[R65] rectangular, side throw</p>	108-2037	LED-12/36W/4000K	4907.6 lm	36 W	80
	108-2037-70	LED-12/36W/4000K	5562 lm	36 W	70
	108-2311	LED-12/12W/2700K	1562.9 lm	12 W	80
	108-2311-70	LED-12/12W/2700K	1670.7 lm	12 W	70
	108-1492	LED-12/12W/3000K	1670.7 lm	12 W	80
	108-1492-70	LED-12/12W/3000K	1940.2 lm	12 W	70
	108-1493	LED-12/12W/4000K	1832.4 lm	12 W	80
	108-1493-70	LED-12/12W/4000K	2048 lm	12 W	70
	108-2312	LED-12/24W/2700K	2805.5 lm	24 W	80
	108-2312-70	LED-12/24W/2700K	3013.3 lm	24 W	70
	108-1494	LED-12/24W/3000K	3013.3 lm	24 W	80
	108-1494-70	LED-12/24W/3000K	3429 lm	24 W	70
	108-1495	LED-12/24W/4000K	3221.1 lm	24 W	80
	108-1495-70	LED-12/24W/4000K	3636.8 lm	24 W	70
	108-2341	LED-12/36W/2700K	4147.6 lm	36 W	80
	108-2341-70	LED-12/36W/2700K	4754.6 lm	36 W	70
	108-2034	LED-12/36W/3000K	4349.9 lm	36 W	80
	108-2034-70	LED-12/36W/3000K	4956.9 lm	36 W	70
	108-2035	LED-12/36W/4000K	4552.2 lm	36 W	80
108-2035-70	LED-12/36W/4000K	5159.2 lm	36 W	70	
 <p>[S60] asymmetric, side throw</p>	108-2303	LED-12/12W/2700K	1611.3 lm	12 W	80
	108-2303-70	LED-12/12W/2700K	1722.4 lm	12 W	70
	108-1480	LED-12/12W/3000K	1722.4 lm	12 W	80
	108-1480-70	LED-12/12W/3000K	2000.3 lm	12 W	70
	108-1481	LED-12/12W/4000K	1889.1 lm	12 W	80
	108-1481-70	LED-12/12W/4000K	2111.4 lm	12 W	70
	108-1890	LED-12/24W/2700K	2936.4 lm	24 W	80
	108-1890-70	LED-12/24W/2700K	3154 lm	24 W	70
	108-1482	LED-12/24W/3000K	3154 lm	24 W	80
	108-1482-70	LED-12/24W/3000K	3589 lm	24 W	70
	108-1483	LED-12/24W/4000K	3371.5 lm	24 W	80
	108-1483-70	LED-12/24W/4000K	3806.5 lm	24 W	70
	108-2338	LED-12/36W/2700K	4386.2 lm	36 W	80
	108-2338-70	LED-12/36W/2700K	5028.1 lm	36 W	70
	108-2032	LED-12/36W/3000K	4600.1 lm	36 W	80
	108-2032-70	LED-12/36W/3000K	5242 lm	36 W	70

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[S65] asymmetric, side throw</p>	108-2033	LED-12/36W/4000K	4814.1 lm	36 W	80
	108-2033-70	LED-12/36W/4000K	5456 lm	36 W	70
	108-2304	LED-12/12W/2700K	1632.3 lm	12 W	80
	108-2304-70	LED-12/12W/2700K	1744.9 lm	12 W	70
	108-1484	LED-12/12W/3000K	1744.9 lm	12 W	80
	108-1484-70	LED-12/12W/3000K	2026.3 lm	12 W	70
	108-1485	LED-12/12W/4000K	1913.7 lm	12 W	80
	108-1485-70	LED-12/12W/4000K	2138.9 lm	12 W	70
	108-2308	LED-12/24W/2700K	2989.8 lm	24 W	80
	108-2308-70	LED-12/24W/2700K	3211.3 lm	24 W	70
	108-1486	LED-12/24W/3000K	3211.3 lm	24 W	80
	108-1486-70	LED-12/24W/3000K	3654.2 lm	24 W	70
	108-1487	LED-12/24W/4000K	3432.7 lm	24 W	80
	108-1487-70	LED-12/24W/4000K	3875.7 lm	24 W	70
	108-2339	LED-12/36W/2700K	4472 lm	36 W	80
	108-2339-70	LED-12/36W/2700K	5126.5 lm	36 W	70
	108-2030	LED-12/36W/3000K	4690.2 lm	36 W	80
	108-2030-70	LED-12/36W/3000K	5344.6 lm	36 W	70
	108-2031	LED-12/36W/4000K	4908.3 lm	36 W	80
	108-2031-70	LED-12/36W/4000K	5562.8 lm	36 W	70
 <p>[S70] asymmetric, side throw</p>	108-2309	LED-12/12W/2700K	1603.7 lm	12 W	80
	108-2309-70	LED-12/12W/2700K	1714.3 lm	12 W	70
	108-1488	LED-12/12W/3000K	1714.3 lm	12 W	80
	108-1488-70	LED-12/12W/3000K	1990.8 lm	12 W	70
	108-1489	LED-12/12W/4000K	1880.2 lm	12 W	80
	108-1489-70	LED-12/12W/4000K	2101.4 lm	12 W	70
	108-2310	LED-12/24W/2700K	2915.1 lm	24 W	80
	108-2310-70	LED-12/24W/2700K	3131.1 lm	24 W	70
	108-1490	LED-12/24W/3000K	3131.1 lm	24 W	80
	108-1490-70	LED-12/24W/3000K	3562.9 lm	24 W	70
	108-1491	LED-12/24W/4000K	3347 lm	24 W	80
	108-1491-70	LED-12/24W/4000K	3778.9 lm	24 W	70
	108-2340	LED-12/36W/2700K	4317.8 lm	36 W	80
	108-2340-70	LED-12/36W/2700K	4949.7 lm	36 W	70
	108-2028	LED-12/36W/3000K	4528.5 lm	36 W	80
	108-2028-70	LED-12/36W/3000K	5160.3 lm	36 W	70

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Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	108-2029	LED-12/36W/4000K	4739.1 lm	36 W	80
	108-2029-70	LED-12/36W/4000K	5371 lm	36 W	70

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