

### Description

IP66, Class I. Class II on request. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Non-reflecting safety glass lens, hinged with safety switch. 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 up to max. 1050mA available. To be specified at time of ordering.

Brackets to be ordered separately.

## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy			
Lens	Non-reflecting safety glass lens, hinged			
Colours	<b>RAL9004</b> Signal black	<b>RAL9006</b> White aluminium	<b>RAL9016</b> Traffic white	<b>RAL7016</b> Anthracite grey
	<b>RAL9007</b> Grey aluminium			
Gasket	Silicone CCG® Controlled Compression Gasket			
Fasteners	PCS Polymer Coated Stainless Steel Hardware			
Ingress protection	IP66			
Impact resistance	IK07			
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


Windage	0.166 m <sup>2</sup>
Lifetime	Ta=25° L90B10 > 90000h


## Options

### Light distribution

 [S60] asymmetric, side throw

 [S70] asymmetric, side throw

 [A60] asymmetric, forward throw

 [S65] asymmetric, side throw

 [R65]

 [P65] pedestrian/bicycle lane

### Colour temperature

 3000K

 4000K

 2700K

### Nominal Watt



24 W

48 W

12 W

72 W

## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[A60] asymmetric, forward throw</p>	111-1046	LED-12/12W/2700K	1522 lm	12 W	80
	111-1046-70	LED-12/12W/2700K	1626.9 lm	12 W	70
	111-0455	LED-12/12W/3000K	1626.9 lm	12 W	80
	111-0455-70	LED-12/12W/3000K	1889.3 lm	12 W	70
	111-0414	LED-12/12W/4000K	1784.4 lm	12 W	80
	111-0414-70	LED-12/12W/4000K	1994.3 lm	12 W	70
	111-1047	LED-12/24W/2700K	2692.3 lm	24 W	80
	111-1047-70	LED-12/24W/2700K	2891.7 lm	24 W	70
	111-0275	LED-12/24W/3000K	2891.7 lm	24 W	80
	111-0275-70	LED-12/24W/3000K	3290.6 lm	24 W	70
	111-0353	LED-12/24W/4000K	3091.2 lm	24 W	80
	111-0353-70	LED-12/24W/4000K	3490 lm	24 W	70
	111-1048	LED-24/24W/2700K	3043.9 lm	24 W	80
	111-1048-70	LED-24/24W/2700K	3253.8 lm	24 W	70
	111-0457	LED-24/24W/3000K	3253.8 lm	24 W	80
	111-0457-70	LED-24/24W/3000K	3778.7 lm	24 W	70
	111-0415	LED-24/24W/4000K	3568.7 lm	24 W	80
	111-0415-70	LED-24/24W/4000K	3988.6 lm	24 W	70
	111-1049	LED-24/48W/2700K	5384.6 lm	48 W	80
	111-1049-70	LED-24/48W/2700K	5783.5 lm	48 W	70
	111-0277	LED-24/48W/3000K	5783.5 lm	48 W	80
	111-0277-70	LED-24/48W/3000K	6581.2 lm	48 W	70
	111-0355	LED-24/48W/4000K	6182.3 lm	48 W	80
	111-0355-70	LED-24/48W/4000K	6980 lm	48 W	70
	111-1050	LED-24/72W/2700K	8753.5 lm	72 W	80
	111-1050-70	LED-24/72W/2700K	10034.5 lm	72 W	70
	111-0908	LED-24/72W/3000K	9180.5 lm	72 W	80
111-0908-70	LED-24/72W/3000K	10461.5 lm	72 W	70	
111-0909	LED-24/72W/4000K	9607.5 lm	72 W	80	
111-0909-70	LED-24/72W/4000K	10888.5 lm	72 W	70	
	111-1051	LED-12/12W/2700K	1578.1 lm	12 W	80
	111-1051-70	LED-12/12W/2700K	1687 lm	12 W	70
	111-0780	LED-12/12W/3000K	1687 lm	12 W	80
	111-0780-70	LED-12/12W/3000K	1959.1 lm	12 W	70

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	
[P65] pedestrian/bicycle lane	111-0821	LED-12/12W/4000K	1850.2 lm	12 W	80	
	111-0821-70	LED-12/12W/4000K	2067.9 lm	12 W	70	
	111-1052	LED-12/24W/2700K	2850.5 lm	24 W	80	
	111-1052-70	LED-12/24W/2700K	3061.6 lm	24 W	70	
	111-0827	LED-12/24W/3000K	3061.6 lm	24 W	80	
	111-0827-70	LED-12/24W/3000K	3483.9 lm	24 W	70	
	111-0822	LED-12/24W/4000K	3272.8 lm	24 W	80	
	111-0822-70	LED-12/24W/4000K	3695.1 lm	24 W	70	
	111-1053	LED-24/24W/2700K	3156.3 lm	24 W	80	
	111-1053-70	LED-24/24W/2700K	3374 lm	24 W	70	
	111-0791	LED-24/24W/3000K	3374 lm	24 W	80	
	111-0791-70	LED-24/24W/3000K	3918.1 lm	24 W	70	
	111-0823	LED-24/24W/4000K	3700.5 lm	24 W	80	
	111-0823-70	LED-24/24W/4000K	4135.8 lm	24 W	70	
	111-1054	LED-24/48W/2700K	5700.9 lm	48 W	80	
	111-1054-70	LED-24/48W/2700K	6123.2 lm	48 W	70	
	111-0828	LED-24/48W/3000K	6123.2 lm	48 W	80	
	111-0828-70	LED-24/48W/3000K	6967.8 lm	48 W	70	
	111-0824	LED-24/48W/4000K	6545.5 lm	48 W	80	
	111-0824-70	LED-24/48W/4000K	7390.1 lm	48 W	70	
	111-1055	LED-24/72W/2700K	8682 lm	72 W	80	
	111-1055-70	LED-24/72W/2700K	9952.5 lm	72 W	70	
	111-0910	LED-24/72W/3000K	9105.5 lm	72 W	80	
	111-0910-70	LED-24/72W/3000K	10376 lm	72 W	70	
	111-0911	LED-24/72W/4000K	9529 lm	72 W	80	
	111-0911-70	LED-24/72W/4000K	10799.5 lm	72 W	70	
	[R65]	111-1041	LED-12/12W/2700K	1518.8 lm	12 W	80
		111-1041-70	LED-12/12W/2700K	1623.5 lm	12 W	70
		111-0467	LED-12/12W/3000K	1623.5 lm	12 W	80
		111-0467-70	LED-12/12W/3000K	1885.4 lm	12 W	70
		111-0416	LED-12/12W/4000K	1780.6 lm	12 W	80
		111-0416-70	LED-12/12W/4000K	1990.1 lm	12 W	70
		111-1042	LED-12/24W/2700K	2686.3 lm	24 W	80
111-1042-70		LED-12/24W/2700K	2885.3 lm	24 W	70	
111-0469		LED-12/24W/3000K	2885.3 lm	24 W	80	
111-0469-70		LED-12/24W/3000K	3283.3 lm	24 W	70	



Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-0417	LED-12/24W/4000K	3084.3 lm	24 W	80
	111-0417-70	LED-12/24W/4000K	3482.3 lm	24 W	70
	111-1043	LED-24/24W/2700K	3037.5 lm	24 W	80
	111-1043-70	LED-24/24W/2700K	3247 lm	24 W	70
	111-0471	LED-24/24W/3000K	3247 lm	24 W	80
	111-0471-70	LED-24/24W/3000K	3770.7 lm	24 W	70
	111-0418	LED-24/24W/4000K	3561.2 lm	24 W	80
	111-0418-70	LED-24/24W/4000K	3980.2 lm	24 W	70
	111-1044	LED-24/48W/2700K	5372.6 lm	48 W	80
	111-1044-70	LED-24/48W/2700K	5770.6 lm	48 W	70
	111-0473	LED-24/48W/3000K	5770.6 lm	48 W	80
	111-0473-70	LED-24/48W/3000K	6566.5 lm	48 W	70
	111-0419	LED-24/48W/4000K	6168.6 lm	48 W	80
	111-0419-70	LED-24/48W/4000K	6964.5 lm	48 W	70
	111-1045	LED-24/72W/2700K	8636.1 lm	72 W	80
	111-1045-70	LED-24/72W/2700K	9899.9 lm	72 W	70
	111-0912	LED-24/72W/3000K	9057.4 lm	72 W	80
	111-0912-70	LED-24/72W/3000K	10321.2 lm	72 W	70
	111-0913	LED-24/72W/4000K	9478.6 lm	72 W	80
	111-0913-70	LED-24/72W/4000K	10742.5 lm	72 W	70
	111-1026	LED-12/12W/2700K	1612.9 lm	12 W	80
	111-1026-70	LED-12/12W/2700K	1724.1 lm	12 W	70
	111-0447	LED-12/12W/3000K	1724.1 lm	12 W	80
	111-0447-70	LED-12/12W/3000K	2002.2 lm	12 W	70
	111-0406	LED-12/12W/4000K	1891 lm	12 W	80
	111-0406-70	LED-12/12W/4000K	2113.5 lm	12 W	70
	111-1027	LED-12/24W/2700K	2911.3 lm	24 W	80
	111-1027-70	LED-12/24W/2700K	3126.9 lm	24 W	70
	111-0192	LED-12/24W/3000K	3126.9 lm	24 W	80
	111-0192-70	LED-12/24W/3000K	3558.2 lm	24 W	70
	111-0337	LED-12/24W/4000K	3342.6 lm	24 W	80
	111-0337-70	LED-12/24W/4000K	3773.9 lm	24 W	70
	111-1028	LED-24/24W/2700K	3225.8 lm	24 W	80
	111-1028-70	LED-24/24W/2700K	3448.3 lm	24 W	70
	111-0449	LED-24/24W/3000K	3448.3 lm	24 W	80
	111-0449-70	LED-24/24W/3000K	4004.4 lm	24 W	70




[S60] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-0407	LED-24/24W/4000K	3782 lm	24 W	80
	111-0407-70	LED-24/24W/4000K	4226.9 lm	24 W	70
	111-1029	LED-24/48W/2700K	5822.5 lm	48 W	80
	111-1029-70	LED-24/48W/2700K	6253.8 lm	48 W	70
	111-0193	LED-24/48W/3000K	6253.8 lm	48 W	80
	111-0193-70	LED-24/48W/3000K	7116.4 lm	48 W	70
	111-0339	LED-24/48W/4000K	6685.1 lm	48 W	80
	111-0339-70	LED-24/48W/4000K	7547.7 lm	48 W	70
	111-1030	LED-24/72W/2700K	9122.7 lm	72 W	80
	111-1030-70	LED-24/72W/2700K	10457.7 lm	72 W	70
	111-0914	LED-24/72W/3000K	9567.7 lm	72 W	80
	111-0914-70	LED-24/72W/3000K	10902.7 lm	72 W	70
	111-0915	LED-24/72W/4000K	10012.7 lm	72 W	80
	111-0915-70	LED-24/72W/4000K	11347.7 lm	72 W	70
	111-1031	LED-12/12W/2700K	1614.7 lm	12 W	80
	111-1031-70	LED-12/12W/2700K	1726 lm	12 W	70
	111-0459	LED-12/12W/3000K	1726 lm	12 W	80
	111-0459-70	LED-12/12W/3000K	2004.4 lm	12 W	70
	111-0408	LED-12/12W/4000K	1893.1 lm	12 W	80
	111-0408-70	LED-12/12W/4000K	2115.8 lm	12 W	70
	111-1032	LED-12/24W/2700K	2916 lm	24 W	80
	111-1032-70	LED-12/24W/2700K	3132 lm	24 W	70
	111-0461	LED-12/24W/3000K	3132 lm	24 W	80
	111-0461-70	LED-12/24W/3000K	3564 lm	24 W	70
	111-0409	LED-12/24W/4000K	3348 lm	24 W	80
	111-0409-70	LED-12/24W/4000K	3780 lm	24 W	70
	111-1033	LED-24/24W/2700K	3229.4 lm	24 W	80
	111-1033-70	LED-24/24W/2700K	3452.1 lm	24 W	70
	111-0463	LED-24/24W/3000K	3452.1 lm	24 W	80
	111-0463-70	LED-24/24W/3000K	4008.9 lm	24 W	70
	111-0410	LED-24/24W/4000K	3786.2 lm	24 W	80
	111-0410-70	LED-24/24W/4000K	4231.6 lm	24 W	70
	111-1034	LED-24/48W/2700K	5832.1 lm	48 W	80
	111-1034-70	LED-24/48W/2700K	6264.1 lm	48 W	70
	111-0465	LED-24/48W/3000K	6264.1 lm	48 W	80
	111-0465-70	LED-24/48W/3000K	7128.1 lm	48 W	70



[S65] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-0411	LED-24/48W/4000K	6696.1 lm	48 W	80
	111-0411-70	LED-24/48W/4000K	7560.1 lm	48 W	70
	111-1035	LED-24/72W/2700K	9164.3 lm	72 W	80
	111-1035-70	LED-24/72W/2700K	10505.4 lm	72 W	70
	111-0916	LED-24/72W/3000K	9611.3 lm	72 W	80
	111-0916-70	LED-24/72W/3000K	10952.4 lm	72 W	70
	111-0917	LED-24/72W/4000K	10058.4 lm	72 W	80
	111-0917-70	LED-24/72W/4000K	11399.5 lm	72 W	70
	111-1036	LED-12/12W/2700K	1566.6 lm	12 W	80
	111-1036-70	LED-12/12W/2700K	1674.6 lm	12 W	70
	111-0451	LED-12/12W/3000K	1674.6 lm	12 W	80
	111-0451-70	LED-12/12W/3000K	1944.7 lm	12 W	70
	111-0412	LED-12/12W/4000K	1836.7 lm	12 W	80
	111-0412-70	LED-12/12W/4000K	2052.8 lm	12 W	70
	111-1037	LED-12/24W/2700K	2778.3 lm	24 W	80
	111-1037-70	LED-12/24W/2700K	2984.1 lm	24 W	70
	111-0230	LED-12/24W/3000K	2984.1 lm	24 W	80
	111-0230-70	LED-12/24W/3000K	3395.7 lm	24 W	70
	111-0345	LED-12/24W/4000K	3189.9 lm	24 W	80
	111-0345-70	LED-12/24W/4000K	3601.5 lm	24 W	70
	111-1038	LED-24/24W/2700K	3133.2 lm	24 W	80
	111-1038-70	LED-24/24W/2700K	3349.3 lm	24 W	70
	111-0453	LED-24/24W/3000K	3349.3 lm	24 W	80
	111-0453-70	LED-24/24W/3000K	3889.5 lm	24 W	70
	111-0413	LED-24/24W/4000K	3673.4 lm	24 W	80
	111-0413-70	LED-24/24W/4000K	4105.6 lm	24 W	70
	111-0862	LED-24/48W/2700K	5556.5 lm	48 W	80
	111-0862-70	LED-24/48W/2700K	5968.1 lm	48 W	70
	111-0234	LED-24/48W/3000K	5968.1 lm	48 W	80
	111-0234-70	LED-24/48W/3000K	6791.3 lm	48 W	70
	111-0347	LED-24/48W/4000K	6379.7 lm	48 W	80
	111-0347-70	LED-24/48W/4000K	7202.9 lm	48 W	70
111-1040	LED-24/72W/2700K	8781.9 lm	72 W	80	
111-1040-70	LED-24/72W/2700K	10067 lm	72 W	70	
111-0918	LED-24/72W/3000K	9210.3 lm	72 W	80	
111-0918-70	LED-24/72W/3000K	10495.4 lm	72 W	70	

[S70] asymmetric, side throw

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Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	111-0919	LED-24/72W/4000K	9638.6 lm	72 W	80
	111-0919-70	LED-24/72W/4000K	10923.8 lm	72 W	70

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