

Description

IP66, Class I. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. CCG® Controlled Compression Gasket. Non-reflective flat safety glass cover, hinged. Luminaire is factory-sealed and does not need to be opened during installation.

Integral EC electronic converter. DALI interface. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept.

Suitable for using as post top or side entry version. Recommend to be specified at time of ordering.

Optional spigot adaptor Ø 60 x 100 mm or 42 x 100 mm available; refer to accessory listings.

Specifications

Material description

Colours	RAL9004 Signal black	RAL9007 Grey aluminium	RAL7016 Anthracite grey	RAL9016 Traffic white
Ingress protection	IP66			
Impact resistance	IK08			

Electrical description


Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral electronic converter with DALI interface
Energy efficiency	C-D (Light source)


Additional information


Lifetime	Ta=25° L90B10 > 90000h
----------	------------------------


Options

Light distribution

 [S60] asymmetric, side throw


 [S66] asymmetric, side throw

 [S65] asymmetric, side throw

 [P45R]

 [R60] rectangular, side throw


 [P65] pedestrian/bicycle lane

 [A60] asymmetric, forward throw

 [Q66] square

 [P45L]

[]

 [S71] asymmetric, side throw

Colour temperature

Nominal Watt



2200K



2700K



3000K



4000K



24 W

36 W

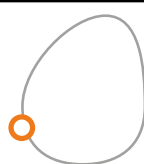
48 W

72 W

Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
[]	102-0089	LED-24/36W/4000K	4969.4 lm	36 W	80
	102-0089-70	LED-24/36W/4000K	5617.5 lm	36 W	70
 <p>[A60] asymmetric, forward throw</p>	102-0026	LED-24/24W/2200K	3189.7 lm	24 W	70
	102-0027	LED-24/24W/2700K	3189.7 lm	24 W	80
	102-0027-70	LED-24/24W/2700K	3409.7 lm	24 W	70
	102-0028	LED-24/24W/3000K	3409.7 lm	24 W	80
	102-0028-70	LED-24/24W/3000K	3959.6 lm	24 W	70
	102-0029	LED-24/24W/4000K	3739.6 lm	24 W	80
	102-0029-70	LED-24/24W/4000K	4179.6 lm	24 W	70
	102-0071	LED-24/36W/2200K	4092.6 lm	36 W	70
	102-0072	LED-24/36W/2700K	4092.6 lm	36 W	80
	102-0072-70	LED-24/36W/2700K	4399.5 lm	36 W	70
	102-0073	LED-24/36W/3000K	4399.5 lm	36 W	80
	102-0073-70	LED-24/36W/3000K	5013.4 lm	36 W	70
	102-0074	LED-24/36W/4000K	4706.5 lm	36 W	80
	102-0074-70	LED-24/36W/4000K	5320.4 lm	36 W	70
	102-0116	LED-24/48W/2200K	5525 lm	48 W	70
	102-0117	LED-24/48W/2700K	5525 lm	48 W	80
	102-0117-70	LED-24/48W/2700K	5934.3 lm	48 W	70
	102-0118	LED-24/48W/3000K	5934.3 lm	48 W	80
	102-0118-70	LED-24/48W/3000K	6752.8 lm	48 W	70
	102-0119	LED-24/48W/4000K	6343.5 lm	48 W	80
	102-0119-70	LED-24/48W/4000K	7162 lm	48 W	70
	102-0880	LED-24/72W/2200K	6263.3 lm	72 W	70
	102-0881	LED-24/72W/2700K	6100.6 lm	72 W	80
	102-0881-70	LED-24/72W/2700K	6588.7 lm	72 W	70
	102-0882	LED-24/72W/3000K	6588.7 lm	72 W	80
	102-0882-70	LED-24/72W/3000K	7483.4 lm	72 W	70
	102-0883	LED-24/72W/4000K	6995.4 lm	72 W	80
	102-0883-70	LED-24/72W/4000K	7971.5 lm	72 W	70
	102-0041	LED-24/24W/2200K	3132.9 lm	24 W	70
	102-0042	LED-24/24W/2700K	3132.9 lm	24 W	80
	102-0042-70	LED-24/24W/2700K	3348.9 lm	24 W	70
	102-0043	LED-24/24W/3000K	3348.9 lm	24 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	
[P45L]	102-0043-70	LED-24/24W/3000K	3889.1 lm	24 W	70	
	102-0044	LED-24/24W/4000K	3673 lm	24 W	80	
	102-0044-70	LED-24/24W/4000K	4105.1 lm	24 W	70	
	102-0086	LED-24/36W/2200K	4321.2 lm	36 W	70	
	102-0087	LED-24/36W/2700K	4321.2 lm	36 W	80	
	102-0087-70	LED-24/36W/2700K	4645.3 lm	36 W	70	
	102-0088	LED-24/36W/3000K	4645.3 lm	36 W	80	
	102-0088-70	LED-24/36W/3000K	5293.4 lm	36 W	70	
	102-0131	LED-24/48W/2200K	5833.6 lm	48 W	70	
	102-0132	LED-24/48W/2700K	5833.6 lm	48 W	80	
	102-0132-70	LED-24/48W/2700K	6265.7 lm	48 W	70	
	102-0133	LED-24/48W/3000K	6265.7 lm	48 W	80	
	102-0133-70	LED-24/48W/3000K	7130 lm	48 W	70	
	102-0134	LED-24/48W/4000K	6697.8 lm	48 W	80	
	102-0134-70	LED-24/48W/4000K	7562.1 lm	48 W	70	
	102-0892	LED-24/72W/2200K	8318.3 lm	72 W	70	
	102-0893	LED-24/72W/2700K	8102.2 lm	72 W	80	
	102-0893-70	LED-24/72W/2700K	8750.4 lm	72 W	70	
	102-0894	LED-24/72W/3000K	8750.4 lm	72 W	80	
	102-0894-70	LED-24/72W/3000K	9938.7 lm	72 W	70	
	102-0895	LED-24/72W/4000K	9290.5 lm	72 W	80	
	102-0895-70	LED-24/72W/4000K	10586.9 lm	72 W	70	
	[P45R]	102-0036	LED-24/24W/2200K	3132.9 lm	24 W	70
		102-0037	LED-24/24W/2700K	3132.9 lm	24 W	80
		102-0037-70	LED-24/24W/2700K	3348.9 lm	24 W	70
		102-0038	LED-24/24W/3000K	3348.9 lm	24 W	80
		102-0038-70	LED-24/24W/3000K	3889.1 lm	24 W	70
		102-0039	LED-24/24W/4000K	3673 lm	24 W	80
		102-0039-70	LED-24/24W/4000K	4105.1 lm	24 W	70
		102-0081	LED-24/36W/2200K	4321.2 lm	36 W	70
102-0082		LED-24/36W/2700K	4321.2 lm	36 W	80	
102-0082-70		LED-24/36W/2700K	4645.3 lm	36 W	70	
102-0083		LED-24/36W/3000K	4645.3 lm	36 W	80	
102-0083-70		LED-24/36W/3000K	5293.4 lm	36 W	70	
102-0084		LED-24/36W/4000K	4969.4 lm	36 W	80	
102-0084-70		LED-24/36W/4000K	5617.5 lm	36 W	70	






[P45R]

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0126	LED-24/48W/2200K	5833.6 lm	48 W	70
	102-0127	LED-24/48W/2700K	5833.6 lm	48 W	80
	102-0127-70	LED-24/48W/2700K	6265.7 lm	48 W	70
	102-0128	LED-24/48W/3000K	6265.7 lm	48 W	80
	102-0128-70	LED-24/48W/3000K	7130 lm	48 W	70
	102-0129	LED-24/48W/4000K	6697.8 lm	48 W	80
	102-0129-70	LED-24/48W/4000K	7562.1 lm	48 W	70
	102-0888	LED-24/72W/2200K	8318.3 lm	72 W	70
	102-0889	LED-24/72W/2700K	8102.2 lm	72 W	80
	102-0889-70	LED-24/72W/2700K	8750.4 lm	72 W	70
	102-0890	LED-24/72W/3000K	8750.4 lm	72 W	80
	102-0890-70	LED-24/72W/3000K	9938.7 lm	72 W	70
	102-0891	LED-24/72W/4000K	9290.5 lm	72 W	80
	102-0891-70	LED-24/72W/4000K	10586.9 lm	72 W	70
	102-0021	LED-24/24W/2200K	3195.4 lm	24 W	70
	102-0022	LED-24/24W/2700K	3195.4 lm	24 W	80
	102-0022-70	LED-24/24W/2700K	3415.7 lm	24 W	70
	102-0023	LED-24/24W/3000K	3415.7 lm	24 W	80
	102-0023-70	LED-24/24W/3000K	3966.7 lm	24 W	70
	102-0024	LED-24/24W/4000K	3746.3 lm	24 W	80
	102-0024-70	LED-24/24W/4000K	4187 lm	24 W	70
	102-0066	LED-24/36W/2200K	4099.9 lm	36 W	70
	102-0067	LED-24/36W/2700K	4099.9 lm	36 W	80
	102-0067-70	LED-24/36W/2700K	4407.4 lm	36 W	70
	102-0068	LED-24/36W/3000K	4407.4 lm	36 W	80
	102-0068-70	LED-24/36W/3000K	5022.4 lm	36 W	70
	102-0069	LED-24/36W/4000K	4714.9 lm	36 W	80
	102-0069-70	LED-24/36W/4000K	5329.9 lm	36 W	70
	102-0111	LED-24/48W/2200K	5534.9 lm	48 W	70
	102-0112	LED-24/48W/2700K	5534.9 lm	48 W	80
	102-0112-70	LED-24/48W/2700K	5944.9 lm	48 W	70
	102-0113	LED-24/48W/3000K	5944.9 lm	48 W	80
	102-0113-70	LED-24/48W/3000K	6764.9 lm	48 W	70
	102-0114	LED-24/48W/4000K	6354.9 lm	48 W	80
	102-0114-70	LED-24/48W/4000K	7174.9 lm	48 W	70
	102-0876	LED-24/72W/2200K	7695.2 lm	72 W	70



[P65] pedestrian/bicycle lane

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 [Q66] square	102-0877	LED-24/72W/2700K	7495.3 lm	72 W	80
	102-0877-70	LED-24/72W/2700K	8094.9 lm	72 W	70
	102-0878	LED-24/72W/3000K	8094.9 lm	72 W	80
	102-0878-70	LED-24/72W/3000K	9194.2 lm	72 W	70
	102-0879	LED-24/72W/4000K	8594.6 lm	72 W	80
	102-0879-70	LED-24/72W/4000K	9793.9 lm	72 W	70
	102-0031	LED-24/24W/2200K	3045.3 lm	24 W	70
	102-0032	LED-24/24W/2700K	3045.3 lm	24 W	80
	102-0032-70	LED-24/24W/2700K	3255.4 lm	24 W	70
	102-0033-70	LED-24/24W/3000K	3780.4 lm	24 W	70
	102-0033	LED-24/24W/3000K	3255.4 lm	24 W	80
	102-0034	LED-24/24W/4000K	3570.4 lm	24 W	80
	102-0034-70	LED-24/24W/4000K	3990.5 lm	24 W	70
	102-0076	LED-24/36W/2200K	4000.6 lm	36 W	70
	102-0077	LED-24/36W/2700K	4000.6 lm	36 W	80
	102-0077-70	LED-24/36W/2700K	4300.6 lm	36 W	70
	102-0078	LED-24/36W/3000K	4300.6 lm	36 W	80
	102-0078-70	LED-24/36W/3000K	4900.7 lm	36 W	70
	102-0079	LED-24/36W/4000K	4600.7 lm	36 W	80
	102-0079-70	LED-24/36W/4000K	5200.8 lm	36 W	70
	102-0121	LED-24/48W/2200K	5400.8 lm	48 W	70
	102-0122	LED-24/48W/2700K	5400.8 lm	48 W	80
	102-0122-70	LED-24/48W/2700K	5800.9 lm	48 W	70
	102-0123	LED-24/48W/3000K	5800.9 lm	48 W	80
	102-0123-70	LED-24/48W/3000K	6601 lm	48 W	70
	102-0124	LED-24/48W/4000K	6200.9 lm	48 W	80
	102-0124-70	LED-24/48W/4000K	7001.1 lm	48 W	70
	102-0884	LED-24/72W/2200K	7393.3 lm	72 W	70
	102-0885	LED-24/72W/2700K	7201.3 lm	72 W	80
	102-0885-70	LED-24/72W/2700K	7777.4 lm	72 W	70
	102-0886	LED-24/72W/3000K	7777.4 lm	72 W	80
	102-0886-70	LED-24/72W/3000K	8833.5 lm	72 W	70
	102-0887	LED-24/72W/4000K	8257.4 lm	72 W	80
	102-0016	LED-24/24W/2200K	3005.7 lm	24 W	70
	102-0017	LED-24/24W/2700K	3005.7 lm	24 W	80
	102-0017-70	LED-24/24W/2700K	3213 lm	24 W	70

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[R60] rectangular, side throw</p>	102-0018	LED-24/24W/3000K	3213 lm	24 W	80
	102-0018-70	LED-24/24W/3000K	3731.2 lm	24 W	70
	102-0019	LED-24/24W/4000K	3524 lm	24 W	80
	102-0019-70	LED-24/24W/4000K	3938.5 lm	24 W	70
	102-0061	LED-24/36W/2200K	4375.7 lm	36 W	70
	102-0062	LED-24/36W/2700K	4375.7 lm	36 W	80
	102-0062-70	LED-24/36W/2700K	4703.9 lm	36 W	70
	102-0063	LED-24/36W/3000K	4703.9 lm	36 W	80
	102-0063-70	LED-24/36W/3000K	5360.3 lm	36 W	70
	102-0064	LED-24/36W/4000K	5032.1 lm	36 W	80
	102-0064-70	LED-24/36W/4000K	5688.4 lm	36 W	70
	102-0106	LED-24/48W/2200K	5907.2 lm	48 W	70
	102-0107	LED-24/48W/2700K	5907.2 lm	48 W	80
	102-0107-70	LED-24/48W/2700K	6344.8 lm	48 W	70
	102-0108	LED-24/48W/3000K	6344.8 lm	48 W	80
	102-0108-70	LED-24/48W/3000K	7219.9 lm	48 W	70
	102-0109	LED-24/48W/4000K	6782.4 lm	48 W	80
	102-0109-70	LED-24/48W/4000K	7657.5 lm	48 W	70
	102-0872	LED-24/72W/2200K	7367 lm	72 W	70
	102-0873	LED-24/72W/2700K	7175.6 lm	72 W	80
	102-0873-70	LED-24/72W/2700K	7749.7 lm	72 W	70
	102-0874	LED-24/72W/3000K	7749.7 lm	72 W	80
	102-0874-70	LED-24/72W/3000K	8802.1 lm	72 W	70
	102-0875	LED-24/72W/4000K	8228.1 lm	72 W	80
102-0875-70	LED-24/72W/4000K	9376.2 lm	72 W	70	
 <p>[S60] asymmetric, side throw</p>	102-0001	LED-24/24W/2200K	3289.4 lm	24 W	70
	102-0002	LED-24/24W/2700K	3289.4 lm	24 W	80
	102-0002-70	LED-24/24W/2700K	3516.2 lm	24 W	70
	102-0003	LED-24/24W/3000K	3516.2 lm	24 W	80
	102-0003-70	LED-24/24W/3000K	4083.4 lm	24 W	70
	102-0004	LED-24/24W/4000K	3856.5 lm	24 W	80
	102-0004-70	LED-24/24W/4000K	4310.2 lm	24 W	70
	102-0046	LED-24/36W/2200K	4321.2 lm	36 W	70
	102-0047	LED-24/36W/2700K	4321.2 lm	36 W	80
	102-0047-70	LED-24/36W/2700K	4645.2 lm	36 W	70
	102-0048	LED-24/36W/3000K	4645.2 lm	36 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0048-70	LED-24/36W/3000K	5293.4 lm	36 W	70
	102-0049	LED-24/36W/4000K	4969.3 lm	36 W	80
	102-0049-70	LED-24/36W/4000K	5617.5 lm	36 W	70
	102-0091	LED-24/48W/2200K	5833.6 lm	48 W	70
	102-0092	LED-24/48W/2700K	5833.6 lm	48 W	80
	102-0092-70	LED-24/48W/2700K	6265.7 lm	48 W	70
	102-0093	LED-24/48W/3000K	6265.7 lm	48 W	80
	102-0093-70	LED-24/48W/3000K	7129.9 lm	48 W	70
	102-0094	LED-24/48W/4000K	6697.8 lm	48 W	80
	102-0094-70	LED-24/48W/4000K	7562 lm	48 W	70
	102-0860	LED-24/72W/2200K	7998.4 lm	72 W	70
	102-0861	LED-24/72W/2700K	7790.6 lm	72 W	80
	102-0861-70	LED-24/72W/2700K	8413.9 lm	72 W	70
	102-0862	LED-24/72W/3000K	8413.9 lm	72 W	80
	102-0862-70	LED-24/72W/3000K	9556.5 lm	72 W	70
	102-0863	LED-24/72W/4000K	8933.2 lm	72 W	80
	102-0863-70	LED-24/72W/4000K	10179.7 lm	72 W	70
	102-0006	LED-24/24W/2200K	3301.3 lm	24 W	70
	102-0007	LED-24/24W/2700K	3301.3 lm	24 W	80
	102-0007-70	LED-24/24W/2700K	3529 lm	24 W	70
	102-0008	LED-24/24W/3000K	3529 lm	24 W	80
	102-0008-70	LED-24/24W/3000K	4098.2 lm	24 W	70
	102-0009	LED-24/24W/4000K	3870.5 lm	24 W	80
	102-0009-70	LED-24/24W/4000K	4325.9 lm	24 W	70
	102-0051	LED-24/36W/2200K	4336.8 lm	36 W	70
	102-0052	LED-24/36W/2700K	4336.8 lm	36 W	80
	102-0052-70	LED-24/36W/2700K	4662.1 lm	36 W	70
	102-0053	LED-24/36W/3000K	4662.1 lm	36 W	80
	102-0053-70	LED-24/36W/3000K	5312.6 lm	36 W	70
	102-0054	LED-24/36W/4000K	4987.4 lm	36 W	80
	102-0054-70	LED-24/36W/4000K	5637.9 lm	36 W	70
	102-0096	LED-24/48W/2200K	5854.7 lm	48 W	70
	102-0097	LED-24/48W/2700K	5854.7 lm	48 W	80
	102-0097-70	LED-24/48W/2700K	6288.4 lm	48 W	70
	102-0098	LED-24/48W/3000K	6288.4 lm	48 W	80
	102-0098-70	LED-24/48W/3000K	7155.8 lm	48 W	70



[S65] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0099	LED-24/48W/4000K	6722.1 lm	48 W	80
	102-0099-70	LED-24/48W/4000K	7589.5 lm	48 W	70
	102-0864	LED-24/72W/2200K	8014.7 lm	72 W	70
	102-0865	LED-24/72W/2700K	7806.5 lm	72 W	80
	102-0865-70	LED-24/72W/2700K	8431 lm	72 W	70
	102-0866	LED-24/72W/3000K	8431 lm	72 W	80
	102-0866-70	LED-24/72W/3000K	9576 lm	72 W	70
	102-0867	LED-24/72W/4000K	8951.4 lm	72 W	80
	102-0867-70	LED-24/72W/4000K	10200.5 lm	72 W	70
	102-0308	LED-24/24W/2200K	3279.6 lm	24 W	70
	102-0309	LED-24/24W/2700K	3279.6 lm	24 W	80
	102-0309-70	LED-24/24W/2700K	3505.7 lm	24 W	70
	102-0310	LED-24/24W/3000K	3505.7 lm	24 W	80
	102-0310-70	LED-24/24W/3000K	4071.2 lm	24 W	70
	102-0311	LED-24/24W/4000K	3845 lm	24 W	80
	102-0311-70	LED-24/24W/4000K	4297.3 lm	24 W	70
	102-0320	LED-24/36W/2200K	4308.2 lm	36 W	70
	102-0321	LED-24/36W/2700K	4308.2 lm	36 W	80
	102-0321-70	LED-24/36W/2700K	4631.3 lm	36 W	70
	102-0322	LED-24/36W/3000K	4631.3 lm	36 W	80
	102-0322-70	LED-24/36W/3000K	5277.6 lm	36 W	70
	102-0323	LED-24/36W/4000K	4954.5 lm	36 W	80
	102-0323-70	LED-24/36W/4000K	5600.7 lm	36 W	70
	102-0332	LED-24/48W/2200K	5816.1 lm	48 W	70
	102-0333	LED-24/48W/2700K	5816.1 lm	48 W	80
	102-0333-70	LED-24/48W/2700K	6246.9 lm	48 W	70
	102-0334	LED-24/48W/3000K	6246.9 lm	48 W	80
	102-0334-70	LED-24/48W/3000K	7108.6 lm	48 W	70
	102-0335	LED-24/48W/4000K	6677.7 lm	48 W	80
	102-0335-70	LED-24/48W/4000K	7539.4 lm	48 W	70
	102-0896	LED-24/72W/2200K	7961.8 lm	72 W	70
	102-0897	LED-24/72W/2700K	7755 lm	72 W	80
	102-0897-70	LED-24/72W/2700K	8375.4 lm	72 W	70
	102-0898	LED-24/72W/3000K	8375.4 lm	72 W	80
	102-0898-70	LED-24/72W/3000K	9512.8 lm	72 W	70
	102-0899	LED-24/72W/4000K	8892.4 lm	72 W	80



[S66] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
<p>[S71] asymmetric, side throw</p>	102-0899-70	LED-24/72W/4000K	10133.1 lm	72 W	70
	102-0312	LED-24/24W/2200K	2971.1 lm	24 W	70
	102-0313	LED-24/24W/2700K	2971.1 lm	24 W	80
	102-0313-70	LED-24/24W/2700K	3176 lm	24 W	70
	102-0314	LED-24/24W/3000K	3176 lm	24 W	80
	102-0314-70	LED-24/24W/3000K	3688.3 lm	24 W	70
	102-0315	LED-24/24W/4000K	3483.4 lm	24 W	80
	102-0315-70	LED-24/24W/4000K	3893.2 lm	24 W	70
	102-0324	LED-24/36W/2200K	3903.1 lm	36 W	70
	102-0325	LED-24/36W/2700K	3903.1 lm	36 W	80
	102-0325-70	LED-24/36W/2700K	4195.8 lm	36 W	70
	102-0326	LED-24/36W/3000K	4195.8 lm	36 W	80
	102-0326-70	LED-24/36W/3000K	4781.3 lm	36 W	70
	102-0327	LED-24/36W/4000K	4488.5 lm	36 W	80
	102-0327-70	LED-24/36W/4000K	5074 lm	36 W	70
	102-0336	LED-24/48W/2200K	5269.1 lm	48 W	70
	102-0337	LED-24/48W/2700K	5269.1 lm	48 W	80
	102-0337-70	LED-24/48W/2700K	5659.4 lm	48 W	70
	102-0338	LED-24/48W/3000K	5659.4 lm	48 W	80
	102-0338-70	LED-24/48W/3000K	6440.1 lm	48 W	70
	102-0339	LED-24/48W/4000K	6049.8 lm	48 W	80
	102-0339-70	LED-24/48W/4000K	6830.4 lm	48 W	70
	102-0900	LED-24/72W/2200K	7213 lm	72 W	70
	102-0901	LED-24/72W/2700K	7025.7 lm	72 W	80
	102-0901-70	LED-24/72W/2700K	7587.7 lm	72 W	70
	102-0902	LED-24/72W/3000K	7587.7 lm	72 W	80
	102-0902-70	LED-24/72W/3000K	8618.1 lm	72 W	70
	102-0903	LED-24/72W/4000K	8056.1 lm	72 W	80
	102-0903-70	LED-24/72W/4000K	9180.2 lm	72 W	70