

### 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	<b>RAL9004</b> Signal black	<b>RAL9007</b> Grey aluminium	<b>RAL7016</b> Anthracite grey	<b>RAL9016</b> 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
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**Options**

**Light distribution**

**Colour temperature**

**Nominal Watt**



[S60] asymmetric, side throw



[S65] asymmetric, side throw



[R60] rectangular, side throw



[P65] pedestrian/bicycle lane



[A60] asymmetric, forward throw



[Q66] square distribution



[P45R] pedestrian crossing, right-hand traffic



[P45L] pedestrian crossing, left-hand traffic



[S66] asymmetric, side throw



[S71] asymmetric, side throw



[R61] rectangular, side throw



2200K



2700K



3000K



4000K


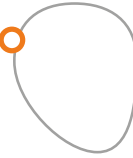
48 W

72 W

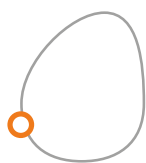
96 W

144 W

## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 <p>[A60] asymmetric, forward throw</p>	102-0179	LED-48/48W/2200K	6305 lm	48 W	70
	102-0180	LED-48/48W/2700K	6305 lm	48 W	80
	102-0180-70	LED-48/48W/2700K	6739.9 lm	48 W	70
	102-0181	LED-48/48W/3000K	6739.9 lm	48 W	80
	102-0181-70	LED-48/48W/3000K	7826.9 lm	48 W	70
	102-0182	LED-48/48W/4000K	7392.1 lm	48 W	80
	102-0182-70	LED-48/48W/4000K	8261.8 lm	48 W	70
	102-0224	LED-48/72W/2200K	7786.4 lm	72 W	70
	102-0225	LED-48/72W/2700K	8089.8 lm	72 W	80
	102-0225-70	LED-48/72W/2700K	8696.5 lm	72 W	70
	102-0226	LED-48/72W/3000K	8696.5 lm	72 W	80
	102-0226-70	LED-48/72W/3000K	9910 lm	72 W	70
	102-0227	LED-48/72W/4000K	9303.3 lm	72 W	80
	102-0227-70	LED-48/72W/4000K	10516.7 lm	72 W	70
	102-0269	LED-48/96W/2200K	10921.2 lm	96 W	70
	102-0270	LED-48/96W/2700K	10921.2 lm	96 W	80
	102-0270-70	LED-48/96W/2700K	11730.2 lm	96 W	70
	102-0271	LED-48/96W/3000K	11730.2 lm	96 W	80
	102-0271-70	LED-48/96W/3000K	13348.2 lm	96 W	70
	102-0272	LED-48/96W/4000K	12539.2 lm	96 W	80
	102-0272-70	LED-48/96W/4000K	14157.2 lm	96 W	70
	102-0928	LED-48/144W/2200K	14789.3 lm	144 W	70
	102-0929	LED-48/144W/2700K	14789.3 lm	144 W	80
	102-0929-70	LED-48/144W/2700K	18535.9 lm	144 W	70
	102-0930	LED-48/144W/3000K	15972.4 lm	144 W	80
	102-0930-70	LED-48/144W/3000K	19324.7 lm	144 W	70
102-0931	LED-48/144W/4000K	16958.4 lm	144 W	80	
102-0931-70	LED-48/144W/4000K	20113.4 lm	144 W	70	
 <p>[P45L] pedestrian crossing, left-hand traffic</p>	102-0194	LED-48/48W/2200K	6265.7 lm	48 W	70
	102-0195	LED-48/48W/2700K	6265.7 lm	48 W	80
	102-0195-70	LED-48/48W/2700K	6697.8 lm	48 W	70
	102-0196	LED-48/48W/3000K	6697.8 lm	48 W	80
	102-0196-70	LED-48/48W/3000K	7778.1 lm	48 W	70
	102-0197	LED-48/48W/4000K	7346 lm	48 W	80

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0197-70	LED-48/48W/4000K	8210.2 lm	48 W	70
	102-0239	LED-48/72W/2200K	8318.3 lm	72 W	70
	102-0240	LED-48/72W/2700K	8642.4 lm	72 W	80
	102-0240-70	LED-48/72W/2700K	9290.5 lm	72 W	70
	102-0241	LED-48/72W/3000K	9290.5 lm	72 W	80
	102-0241-70	LED-48/72W/3000K	10586.9 lm	72 W	70
	102-0242	LED-48/72W/4000K	9938.7 lm	72 W	80
	102-0242-70	LED-48/72W/4000K	11235.1 lm	72 W	70
	102-0284	LED-48/96W/2200K	11667.2 lm	96 W	70
	102-0285	LED-48/96W/2700K	11667.2 lm	96 W	80
	102-0285-70	LED-48/96W/2700K	12531.4 lm	96 W	70
	102-0286	LED-48/96W/3000K	12531.4 lm	96 W	80
	102-0286-70	LED-48/96W/3000K	14259.9 lm	96 W	70
	102-0287	LED-48/96W/4000K	13395.7 lm	96 W	80
	102-0287-70	LED-48/96W/4000K	15124.1 lm	96 W	70
	102-0940	LED-48/144W/2200K	16204.4 lm	144 W	70
	102-0941	LED-48/144W/2700K	16204.4 lm	144 W	80
	102-0941-70	LED-48/144W/2700K	20309.6 lm	144 W	70
	102-0942	LED-48/144W/3000K	17500.8 lm	144 W	80
	102-0942-70	LED-48/144W/3000K	21173.8 lm	144 W	70
	102-0943	LED-48/144W/4000K	18581.1 lm	144 W	80
	102-0943-70	LED-48/144W/4000K	22038 lm	144 W	70
	102-0189	LED-48/48W/2200K	6265.7 lm	48 W	70
	102-0190	LED-48/48W/2700K	6265.7 lm	48 W	80
	102-0190-70	LED-48/48W/2700K	6697.8 lm	48 W	70
	102-0191	LED-48/48W/3000K	6697.8 lm	48 W	80
	102-0191-70	LED-48/48W/3000K	7778.1 lm	48 W	70
	102-0192	LED-48/48W/4000K	7346 lm	48 W	80
	102-0192-70	LED-48/48W/4000K	8210.2 lm	48 W	70
	102-0234	LED-48/72W/2200K	8318.3 lm	72 W	70
	102-0235	LED-48/72W/2700K	8642.4 lm	72 W	80
	102-0235-70	LED-48/72W/2700K	9290.5 lm	72 W	70
	102-0236	LED-48/72W/3000K	9290.5 lm	72 W	80
	102-0236-70	LED-48/72W/3000K	10586.9 lm	72 W	70
	102-0237	LED-48/72W/4000K	9938.7 lm	72 W	80
	102-0237-70	LED-48/72W/4000K	11235.1 lm	72 W	70







[P45R] pedestrian crossing, right-hand traffic

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0279	LED-48/96W/2200K	11667.2 lm	96 W	70
	102-0280	LED-48/96W/2700K	11667.2 lm	96 W	80
	102-0280-70	LED-48/96W/2700K	12531.4 lm	96 W	70
	102-0281	LED-48/96W/3000K	12531.4 lm	96 W	80
	102-0281-70	LED-48/96W/3000K	14259.9 lm	96 W	70
	102-0282	LED-48/96W/4000K	13395.7 lm	96 W	80
	102-0282-70	LED-48/96W/4000K	15124.1 lm	96 W	70
	102-0936	LED-48/144W/2200K	16204.4 lm	144 W	70
	102-0937	LED-48/144W/2700K	16204.4 lm	144 W	80
	102-0937-70	LED-48/144W/2700K	20309.6 lm	144 W	70
	102-0938	LED-48/144W/3000K	17500.8 lm	144 W	80
	102-0938-70	LED-48/144W/3000K	21173.8 lm	144 W	70
	102-0939	LED-48/144W/4000K	18581.1 lm	144 W	80
	102-0939-70	LED-48/144W/4000K	22038 lm	144 W	70
	102-0174	LED-48/48W/2200K	6131.7 lm	48 W	70
	102-0175	LED-48/48W/2700K	6131.7 lm	48 W	80
	102-0175-70	LED-48/48W/2700K	6554.6 lm	48 W	70
	102-0176	LED-48/48W/3000K	6554.6 lm	48 W	80
	102-0176-70	LED-48/48W/3000K	7611.8 lm	48 W	70
	102-0177	LED-48/48W/4000K	7188.9 lm	48 W	80
	102-0177-70	LED-48/48W/4000K	8034.7 lm	48 W	70
	102-0219	LED-48/72W/2200K	7572.5 lm	72 W	70
	102-0220	LED-48/72W/2700K	7867.5 lm	72 W	80
	102-0220-70	LED-48/72W/2700K	8457.6 lm	72 W	70
	102-0221	LED-48/72W/3000K	8457.6 lm	72 W	80
	102-0221-70	LED-48/72W/3000K	9637.7 lm	72 W	70
	102-0222	LED-48/72W/4000K	9047.6 lm	72 W	80
	102-0222-70	LED-48/72W/4000K	10227.8 lm	72 W	70
	102-0264	LED-48/96W/2200K	10621.1 lm	96 W	70
	102-0265	LED-48/96W/2700K	10621.1 lm	96 W	80
	102-0265-70	LED-48/96W/2700K	11407.9 lm	96 W	70
	102-0266	LED-48/96W/3000K	11407.9 lm	96 W	80
	102-0266-70	LED-48/96W/3000K	12981.4 lm	96 W	70
	102-0267	LED-48/96W/4000K	12194.6 lm	96 W	80
	102-0267-70	LED-48/96W/4000K	13768.1 lm	96 W	70
	102-0924	LED-48/144W/2200K	14383.1 lm	144 W	70



[P65] pedestrian/bicycle lane

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 [Q66] square distribution	102-0925	LED-48/144W/2700K	14383.1 lm	144 W	80
	102-0925-70	LED-48/144W/2700K	18026.8 lm	144 W	70
	102-0926	LED-48/144W/3000K	15533.7 lm	144 W	80
	102-0926-70	LED-48/144W/3000K	18793.9 lm	144 W	70
	102-0927	LED-48/144W/4000K	16492.6 lm	144 W	80
	102-0927-70	LED-48/144W/4000K	19561 lm	144 W	70
	102-0184	LED-48/48W/2200K	6198.8 lm	48 W	70
	102-0185	LED-48/48W/2700K	6198.8 lm	48 W	80
	102-0185-70	LED-48/48W/2700K	6626.3 lm	48 W	70
	102-0186	LED-48/48W/3000K	6626.3 lm	48 W	80
	102-0186-70	LED-48/48W/3000K	7695.1 lm	48 W	70
	102-0187	LED-48/48W/4000K	7267.6 lm	48 W	80
	102-0187-70	LED-48/48W/4000K	8122.6 lm	48 W	70
	102-0229	LED-48/72W/2200K	8252.2 lm	72 W	70
	102-0230	LED-48/72W/2700K	8573.7 lm	72 W	80
	102-0230-70	LED-48/72W/2700K	9216.7 lm	72 W	70
	102-0231	LED-48/72W/3000K	9216.7 lm	72 W	80
	102-0231-70	LED-48/72W/3000K	10502.8 lm	72 W	70
	102-0232	LED-48/72W/4000K	9859.8 lm	72 W	80
	102-0232-70	LED-48/72W/4000K	11145.8 lm	72 W	70
	102-0274	LED-48/96W/2200K	11574.5 lm	96 W	70
	102-0275	LED-48/96W/2700K	11574.5 lm	96 W	80
	102-0275-70	LED-48/96W/2700K	12431.9 lm	96 W	70
	102-0276	LED-48/96W/3000K	12431.9 lm	96 W	80
	102-0276-70	LED-48/96W/3000K	14146.6 lm	96 W	70
	102-0277	LED-48/96W/4000K	13289.2 lm	96 W	80
	102-0277-70	LED-48/96W/4000K	15004 lm	96 W	70
	102-0932	LED-48/144W/2200K	14657.9 lm	144 W	70
	102-0933	LED-48/144W/2700K	14657.9 lm	144 W	80
	102-0933-70	LED-48/144W/2700K	18371.3 lm	144 W	70
	102-0934	LED-48/144W/3000K	15830.6 lm	144 W	80
	102-0934-70	LED-48/144W/3000K	19153 lm	144 W	70
	102-0935	LED-48/144W/4000K	16807.8 lm	144 W	80
102-0935-70	LED-48/144W/4000K	19934.8 lm	144 W	70	
102-0169	LED-48/48W/2200K	6081.9 lm	48 W	70	
102-0170	LED-48/48W/2700K	6081.9 lm	48 W	80	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 [R60] rectangular, side throw	102-0170-70	LED-48/48W/2700K	6501.4 lm	48 W	70
	102-0171	LED-48/48W/3000K	6501.4 lm	48 W	80
	102-0171-70	LED-48/48W/3000K	7550 lm	48 W	70
	102-0172	LED-48/48W/4000K	7130.5 lm	48 W	80
	102-0172-70	LED-48/48W/4000K	7969.4 lm	48 W	70
	102-0214	LED-48/72W/2200K	8423.3 lm	72 W	70
	102-0215	LED-48/72W/2700K	8751.4 lm	72 W	80
	102-0215-70	LED-48/72W/2700K	9407.8 lm	72 W	70
	102-0216	LED-48/72W/3000K	9407.8 lm	72 W	80
	102-0216-70	LED-48/72W/3000K	10720.5 lm	72 W	70
	102-0217	LED-48/72W/4000K	10064.2 lm	72 W	80
	102-0217-70	LED-48/72W/4000K	11376.9 lm	72 W	70
	102-0259	LED-48/96W/2200K	11814.4 lm	96 W	70
	102-0260	LED-48/96W/2700K	11814.4 lm	96 W	80
	102-0260-70	LED-48/96W/2700K	12689.6 lm	96 W	70
	102-0261	LED-48/96W/3000K	12689.6 lm	96 W	80
	102-0261-70	LED-48/96W/3000K	14439.9 lm	96 W	70
	102-0262	LED-48/96W/4000K	13564.7 lm	96 W	80
	102-0262-70	LED-48/96W/4000K	15315 lm	96 W	70
	 [R61] rectangular, side throw	102-0920	LED-48/144W/2200K	14519.4 lm	144 W
102-0921		LED-48/144W/2700K	14519.4 lm	144 W	80
102-0921-70		LED-48/144W/2700K	18197.6 lm	144 W	70
102-0922		LED-48/144W/3000K	15680.9 lm	144 W	80
102-0922-70		LED-48/144W/3000K	18972 lm	144 W	70
102-0923		LED-48/144W/4000K	16648.9 lm	144 W	80
102-0923-70		LED-48/144W/4000K	19746.3 lm	144 W	70
102-0382		LED-48/96W/2200K	10711.4 lm	96 W	70
102-0383		LED-48/96W/2700K	10711.4 lm	96 W	80
102-0384		LED-48/96W/3000K	11504.9 lm	96 W	80
102-0385	LED-48/96W/4000K	12298.3 lm	96 W	80	
102-0955-70	LED-48/144W/4000K	19423.7 lm	144 W	70	
 [S60] asymmetric, side throw	102-0154	LED-48/48W/2200K	6477.9 lm	48 W	70
	102-0155	LED-48/48W/2700K	6477.9 lm	48 W	80
	102-0155-70	LED-48/48W/2700K	6924.7 lm	48 W	70
	102-0156	LED-48/48W/3000K	6924.7 lm	48 W	80
	102-0156-70	LED-48/48W/3000K	8041.5 lm	48 W	70

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0157	LED-48/48W/4000K	7594.8 lm	48 W	80
	102-0157-70	LED-48/48W/4000K	8488.3 lm	48 W	70
	102-0199	LED-48/72W/2200K	8373.5 lm	72 W	70
	102-0200	LED-48/72W/2700K	8699.8 lm	72 W	80
	102-0200-70	LED-48/72W/2700K	9352.3 lm	72 W	70
	102-0201	LED-48/72W/3000K	9352.3 lm	72 W	80
	102-0201-70	LED-48/72W/3000K	10657.2 lm	72 W	70
	102-0202	LED-48/72W/4000K	10004.8 lm	72 W	80
	102-0202-70	LED-48/72W/4000K	11309.7 lm	72 W	70
	102-0244	LED-48/96W/2200K	11744.7 lm	96 W	70
	102-0245	LED-48/96W/2700K	11744.7 lm	96 W	80
	102-0245-70	LED-48/96W/2700K	12614.7 lm	96 W	70
	102-0246	LED-48/96W/3000K	12614.7 lm	96 W	80
	102-0246-70	LED-48/96W/3000K	14354.6 lm	96 W	70
	102-0247	LED-48/96W/4000K	13484.7 lm	96 W	80
	102-0247-70	LED-48/96W/4000K	15224.6 lm	96 W	70
	102-0908	LED-48/144W/2200K	15659.8 lm	144 W	70
	102-0909	LED-48/144W/2700K	15659.8 lm	144 W	80
	102-0909-70	LED-48/144W/2700K	19626.9 lm	144 W	70
	102-0910	LED-48/144W/3000K	16912.6 lm	144 W	80
	102-0910-70	LED-48/144W/3000K	20462.1 lm	144 W	70
	102-0911	LED-48/144W/4000K	17956.6 lm	144 W	80
	102-0911-70	LED-48/144W/4000K	21297.3 lm	144 W	70
	102-0159	LED-48/48W/2200K	6361.8 lm	48 W	70
	102-0160	LED-48/48W/2700K	6361.8 lm	48 W	80
	102-0160-70	LED-48/48W/2700K	6800.6 lm	48 W	70
	102-0161	LED-48/48W/3000K	6800.6 lm	48 W	80
	102-0161-70	LED-48/48W/3000K	7897.5 lm	48 W	70
	102-0162	LED-48/48W/4000K	7458.7 lm	48 W	80
	102-0162-70	LED-48/48W/4000K	8336.2 lm	48 W	70
	102-0204	LED-48/72W/2200K	8445.9 lm	72 W	70
	102-0205	LED-48/72W/2700K	8774.9 lm	72 W	80
	102-0205-70	LED-48/72W/2700K	9433.1 lm	72 W	70
	102-0206	LED-48/72W/3000K	9433.1 lm	72 W	80
	102-0206-70	LED-48/72W/3000K	10749.3 lm	72 W	70
	102-0207	LED-48/72W/4000K	10091.2 lm	72 W	80




[S65] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
	102-0207-70	LED-48/72W/4000K	11407.4 lm	72 W	70
	102-0249	LED-48/96W/2200K	11846.2 lm	96 W	70
	102-0250	LED-48/96W/2700K	11846.2 lm	96 W	80
	102-0250-70	LED-48/96W/2700K	12723.7 lm	96 W	70
	102-0251	LED-48/96W/3000K	12723.7 lm	96 W	80
	102-0251-70	LED-48/96W/3000K	14478.7 lm	96 W	70
	102-0252	LED-48/96W/4000K	13601.2 lm	96 W	80
	102-0252-70	LED-48/96W/4000K	15356.2 lm	96 W	70
	102-0912	LED-48/144W/2200K	15795.2 lm	144 W	70
	102-0913-70	LED-48/144W/2700K	19796.6 lm	144 W	70
	102-0913	LED-48/144W/2700K	15795.2 lm	144 W	80
	102-0914	LED-48/144W/3000K	17058.8 lm	144 W	80
	102-0914-70	LED-48/144W/3000K	20639.1 lm	144 W	70
	102-0915	LED-48/144W/4000K	18111.8 lm	144 W	80
	102-0915-70	LED-48/144W/4000K	21481.5 lm	144 W	70
	102-0350	LED-48/48W/2200K	6528.5 lm	48 W	70
	102-0351	LED-48/48W/2700K	6528.5 lm	48 W	80
	102-0351-70	LED-48/48W/2700K	6978.7 lm	48 W	70
	102-0352	LED-48/48W/3000K	6978.7 lm	48 W	80
	102-0352-70	LED-48/48W/3000K	8104.3 lm	48 W	70
	102-0353	LED-48/48W/4000K	7654.1 lm	48 W	80
	102-0353-70	LED-48/48W/4000K	8554.6 lm	48 W	70
	102-0362	LED-48/72W/2200K	8254.6 lm	72 W	70
	102-0363	LED-48/72W/2700K	8576.2 lm	72 W	80
	102-0363-70	LED-48/72W/2700K	9219.4 lm	72 W	70
	102-0364	LED-48/72W/3000K	9219.4 lm	72 W	80
	102-0364-70	LED-48/72W/3000K	10505.9 lm	72 W	70
	102-0365	LED-48/72W/4000K	9862.7 lm	72 W	80
	102-0365-70	LED-48/72W/4000K	11149.1 lm	72 W	70
	102-0374	LED-48/96W/2200K	11577.9 lm	96 W	70
	102-0375	LED-48/96W/2700K	11577.9 lm	96 W	80
	102-0375-70	LED-48/96W/2700K	12435.5 lm	96 W	70
	102-0376	LED-48/96W/3000K	12435.5 lm	96 W	80
	102-0376-70	LED-48/96W/3000K	14150.8 lm	96 W	70
	102-0377	LED-48/96W/4000K	13293.2 lm	96 W	80
	102-0377-70	LED-48/96W/4000K	15008.4 lm	96 W	70



[S66] asymmetric, side throw

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI
 [S71] asymmetric, side throw	102-0944	LED-48/144W/2200K	15437.4 lm	144 W	70
	102-0945	LED-48/144W/2700K	15437.4 lm	144 W	80
	102-0945-70	LED-48/144W/2700K	19348.2 lm	144 W	70
	102-0946	LED-48/144W/3000K	16672.4 lm	144 W	80
	102-0946-70	LED-48/144W/3000K	20171.5 lm	144 W	70
	102-0947	LED-48/144W/4000K	17701.5 lm	144 W	80
	102-0947-70	LED-48/144W/4000K	20994.8 lm	144 W	70
	102-0366	LED-48/72W/2200K	7618.4 lm	72 W	70
	102-0367	LED-48/72W/2700K	7915.2 lm	72 W	80
	102-0367-70	LED-48/72W/2700K	8508.9 lm	72 W	70
	102-0368	LED-48/72W/3000K	8508.9 lm	72 W	80
	102-0368-70	LED-48/72W/3000K	9696.1 lm	72 W	70
	102-0369	LED-48/72W/4000K	9102.5 lm	72 W	80
	102-0369-70	LED-48/72W/4000K	10289.8 lm	72 W	70