**Description**

IP66, Class I. Class II on request. 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 up to max. 1050mA available. To be specified at time of ordering.

Eco Step Dim® up to 1050 mA on request.

Brackets to be ordered separately.

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	 RAL9004 Signal black  RAL9006 White aluminium  RAL9007 Grey aluminium  RAL7016 Anthracite grey  RAL9016 Traffic white
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP66
Impact resistance	IK08
Corrosion resistance	5CE
Windage	0.23

---

**Electrical description**

---

Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral EC electronic converter. DALI
Power factor	> 0.9
Surge protection	6/6 kV (optional SP10)

---

**Additional information**

---

Lifetime	Ta=25° L90B10 > 90000h
Energy efficiency class	C-D (Light source)

---

### Options

#### Light distribution



asymmetric, side throw [S70]



asymmetric, side throw beam [S65]



asymmetric, side throw beam [S60]



rectangular, side throw [R65]



asymmetric, forward throw [A60]



pedestrian crossing, left-hand traffic [P45L]



pedestrian crossing, right-hand traffic [P45R]

#### Colour temperature



4000 K



3000 K



2700 K

#### Nominal Watt

115 W

85 W

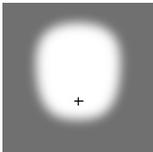
57 W

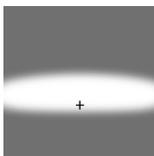
83 W

119 W

156 W

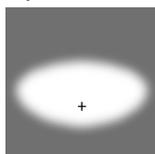
## Configurations

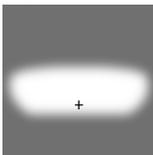
Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
asymmetric, forward throw [A60] 	108-0961	LED-24/48W / 700 mA - 4000 K	6145.6	54 W	80	15.00
	108-0961-70	LED-24/48W / 700 mA - 4000 K	6938.6	54 W	70	13.00
	108-0962	LED-36/72W / 700 mA - 4000 K	9218.5	79 W	80	15.00
	108-0962-70	LED-36/72W / 700 mA - 4000 K	10407.9	79 W	70	14.00
	108-0963	LED-48/96W / 700 mA - 4000 K	12291.3	105.5 W	80	15.00
	108-0963-70	LED-48/96W / 700 mA - 4000 K	13877.2	105.5 W	70	15.00
	108-0964	LED-24/72W / 1050 mA - 4000 K	8901.8	79 W	80	15.00
	108-0964-70	LED-24/72W / 1050 mA - 4000 K	10088.7	79 W	70	13.00
	108-0965	LED-36/108W / 1050 mA - 4000 K	13352.6	115 W	80	15.00
	108-0965-70	LED-36/108W / 1050 mA - 4000 K	15133	115 W	70	14.00
	108-0966	LED-48/144W / 1050 mA - 4000 K	17803.5	154 W	80	15.00
	108-0966-70	LED-48/144W / 1050 mA - 4000 K	20177.3	154 W	70	15.00
	108-1019	LED-24/48W / 700 mA - 3000 K	5749.1	54 W	80	15.00
	108-1019-70	LED-24/48W / 700 mA - 3000 K	6542.1	54 W	70	13.00
	108-1021	LED-24/72W / 1050 mA - 3000 K	8506.1	79 W	80	15.00
	108-1021-70	LED-24/72W / 1050 mA - 3000 K	9693	79 W	70	13.00
	108-1023	LED-36/72W / 700 mA - 3000 K	8623.7	79 W	80	15.00
	108-1023-70	LED-36/72W / 700 mA - 3000 K	9813.2	79 W	70	14.00
	108-1025	LED-36/108W / 1050 mA - 3000 K	12759.2	115 W	80	15.00
	108-1025-70	LED-36/108W / 1050 mA - 3000 K	14539.6	115 W	70	14.00
	108-1027	LED-48/96W / 700 mA - 3000 K	11498.3	105.5 W	80	15.00
	108-1027-70	LED-48/96W / 700 mA - 3000 K	13084.3	105.5 W	70	15.00
	108-1029	LED-48/144W / 1050 mA - 3000 K	17012.3	154 W	80	15.00
	108-1029-70	LED-48/144W / 1050 mA - 3000 K	19386.1	154 W	70	15.00
	108-2478	LED-24/48W / 700 mA - 2700 K	5352.6	54 W	80	15.00
	108-2479	LED-24/72W / 1050 mA - 2700 K	8110.5	79 W	80	15.00
	108-2479-70	LED-24/72W / 1050 mA - 2700 K	9297.4	79 W	70	13.00
	108-2480	LED-36/72W / 700 mA - 2700 K	8029	79 W	80	15.00
	108-2480-70	LED-36/72W / 700 mA - 3000 K	8623.7	79 W	70	14.00
	108-2481	LED-36/108W / 1050 mA - 2700 K	12165.7	115 W	80	15.00
	108-2481-70	LED-36/108W / 1050 mA - 2700 K	13946.1	115 W	70	14.00
	108-2482	LED-48/96W / 700 mA - 2700 K	10705.3	105.5 W	80	15.00
	108-2482-70	LED-48/96W / 700 mA - 2700 K	11498.3	105.5 W	70	15.00
108-2483	LED-48/144W / 1050 mA - 2700 K	16221	154 W	80	15.00	

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-2483-70	LED-48/144W / 1050 mA - 2700 K	18594.8	154 W	70	15.00
	108-2650	LED-48/207W / 1400 mA - 2700 K	20573	209 W	80	15.00
	108-2650-70	LED-48/207W / 1400 mA - 2700 K	23738	209 W	70	13.00
	108-2651	LED-48/207W / 1400 mA - 3000 K	21759.9	209 W	80	15.00
	108-2651-70	LED-48/207W / 1400 mA - 3000 K	24727.1	209 W	70	13.00
	108-2652	LED-48/207W / 1400 mA - 4000 K	22749	209 W	80	15.00
	108-2652-70	LED-48/207W / 1400 mA - 4000 K	25716.2	209 W	70	13.00
asymmetric, side throw [S70]	108-0822	LED-48/96W / 700 mA - 4000 K	13171.5	105.5 W	80	15.00
	108-0822-70	LED-48/96W / 700 mA - 4000 K	14871.1	105.5 W	70	15.00
	108-0823	LED-36/72W / 700 mA - 4000 K	9878.6	79 W	80	15.00
	108-0823-70	LED-36/72W / 700 mA - 4000 K	11153.3	79 W	70	14.00
	108-0824	LED-24/48W / 700 mA - 4000 K	6585.8	54 W	80	15.00
	108-0824-70	LED-24/48W / 700 mA - 4000 K	7435.5	54 W	70	13.00
	108-0825	LED-24/72W / 1050 mA - 4000 K	9478.2	79 W	80	15.00
	108-0825-70	LED-24/72W / 1050 mA - 4000 K	10741.9	79 W	70	13.00
	108-0826	LED-36/108W / 1050 mA - 4000 K	14217.3	115 W	80	15.00
	108-0826-70	LED-36/108W / 1050 mA - 4000 K	16112.9	115 W	70	14.00
	108-0827	LED-48/144W / 1050 mA - 4000 K	18956.4	154 W	80	15.00
	108-0827-70	LED-48/144W / 1050 mA - 4000 K	21483.9	154 W	70	15.00
	108-0997	LED-24/48W / 700 mA - 3000 K	6160.9	54 W	80	15.00
	108-0997-70	LED-24/48W / 700 mA - 3000 K	7010.6	54 W	70	13.00
	108-0999	LED-24/72W / 1050 mA - 3000 K	9056.9	79 W	80	15.00
	108-0999-70	LED-24/72W / 1050 mA - 3000 K	10320.7	79 W	70	13.00
	108-1001	LED-36/72W / 700 mA - 3000 K	9241.3	79 W	80	15.00
	108-1001-70	LED-36/72W / 700 mA - 3000 K	10516	79 W	70	14.00
	108-1003	LED-36/108W / 1050 mA - 3000 K	13585.4	115 W	80	15.00
	108-1003-70	LED-36/108W / 1050 mA - 3000 K	15481	115 W	70	14.00
	108-1005	LED-48/96W / 700 mA - 3000 K	12321.7	105.5 W	80	15.00
	108-1005-70	LED-48/96W / 700 mA - 3000 K	14021.3	105.5 W	70	15.00
	108-1007	LED-48/144W / 1050 mA - 3000 K	18113.9	154 W	80	15.00
	108-1007-70	LED-48/144W / 1050 mA - 3000 K	20641.4	154 W	70	15.00
	108-2466	LED-24/48W / 700 mA - 2700 K	5736	54 W	80	15.00
	108-2466-70	LED-24/48W / 700 mA - 2700 K	6160.9	54 W	70	13.00
	108-2467	LED-24/72W / 1050 mA - 2700 K	8635.7	79 W	80	15.00
	108-2467-70	LED-24/72W / 1050 mA - 2700 K	9899.4	79 W	70	13.00
	108-2468	LED-36/72W / 700 mA - 2700 K	8604	79 W	80	15.00

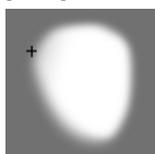
Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-2468-70	LED-36/72W / 700 mA - 2700 K	9241.3	79 W	70	14.00
	108-2469	LED-36/108W / 1050 mA - 2700 K	12953.5	115 W	80	15.00
	108-2469-70	LED-36/108W / 1050 mA - 2700 K	14849.2	115 W	70	14.00
	108-2470	LED-48/96W / 700 mA - 2700 K	11472	105.5 W	80	15.00
	108-2470-70	LED-48/96W / 700 mA - 2700 K	12321.7	105.5 W	70	15.00
	108-2471	LED-48/144W / 1050 mA - 2700 K	17271.4	154 W	80	15.00
	108-2471-70	LED-48/144W / 1050 mA - 2700 K	19798.9	154 W	70	15.00
	108-2644	LED-48/207W / 1400 mA - 2700 K	21905.1	209 W	80	15.00
	108-2644-70	LED-48/207W / 1400 mA - 2700 K	25275.2	209 W	70	13.00
	108-2645	LED-48/207W / 1400 mA - 3000 K	23168.9	209 W	80	15.00
	108-2645-70	LED-48/207W / 1400 mA - 3000 K	26328.3	209 W	70	15.00
	108-2646	LED-48/207W / 1400 mA - 4000 K	24222	209 W	80	15.00
	108-2646-70	LED-48/207W / 1400 mA - 4000 K	27381.4	209 W	70	15.00
asymmetric, side throw beam [S60]	108-0949	LED-24/48W / 700 mA - 4000 K	6701	54 W	80	15.00
	108-0949-70	LED-24/48W / 700 mA - 4000 K	7565.7	54 W	70	13.00
	108-0950	LED-36/72W / 700 mA - 4000 K	10051.6	79 W	80	15.00
	108-0950-70	LED-36/72W / 700 mA - 4000 K	11348.5	79 W	70	14.00
	108-0951	LED-48/96W / 700 mA - 4000 K	13402.1	105.5 W	80	15.00
	108-0951-70	LED-48/96W / 700 mA - 4000 K	15131.4	105.5 W	70	15.00
	108-0952	LED-24/72W / 1050 mA - 4000 K	9628.2	79 W	80	15.00
	108-0952-70	LED-24/72W / 1050 mA - 4000 K	10911.9	79 W	70	13.00
	108-0953	LED-36/108W / 1050 mA - 4000 K	14442.3	115 W	80	15.00
	108-0953-70	LED-36/108W / 1050 mA - 4000 K	16367.9	115 W	70	14.00
	108-0954	LED-48/144W / 1050 mA - 4000 K	19256.4	154 W	80	15.00
	108-0954-70	LED-48/144W / 1050 mA - 4000 K	21823.9	154 W	70	15.00
	108-0985	LED-24/48W / 700 mA - 3000 K	6268.7	54 W	80	15.00
	108-0985-70	LED-24/48W / 700 mA - 3000 K	7133.4	54 W	70	13.00
	108-0987	LED-24/72W / 1050 mA - 3000 K	9200.3	79 W	80	15.00
	108-0987-70	LED-24/72W / 1050 mA - 3000 K	10484	79 W	70	13.00
	108-0989	LED-36/108W / 1050 mA - 3000 K	13800.4	115 W	80	15.00
	108-0989-70	LED-36/108W / 1050 mA - 3000 K	15726	115 W	70	14.00
	108-0991	LED-48/144W / 1050 mA - 3000 K	18400.5	154 W	80	15.00
	108-0991-70	LED-48/144W / 1050 mA - 3000 K	20968.1	154 W	70	15.00
	108-0993	LED-36/72W / 700 mA - 3000 K	9403.1	79 W	80	15.00
	108-0993-70	LED-36/72W / 700 mA - 3000 K	10700	79 W	70	14.00
	108-0995	LED-48/96W / 700 mA - 3000 K	12537.4	105.5 W	80	15.00

asymmetric, side throw beam [S60]

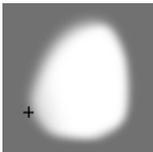
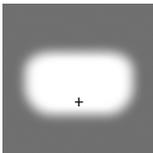


Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-0995-70	LED-48/96W / 700 mA - 3000 K	14266.7	105.5 W	70	15.00
	108-2454	LED-24/48W / 700 mA - 2700 K	5836.4	54 W	80	15.00
	108-2454-70	LED-24/48W / 700 mA - 2700 K	6268.7	54 W	70	13.00
	108-2455	LED-24/72W / 1050 mA - 2700 K	8772.3	79 W	80	15.00
	108-2455-70	LED-24/72W / 1050 mA - 2700 K	10056.1	79 W	70	13.00
	108-2456	LED-36/72W / 700 mA - 2700 K	8754.6	79 W	80	15.00
	108-2456-70	LED-36/72W / 700 mA - 2700 K	9403.1	79 W	70	14.00
	108-2457	LED-36/108W / 1050 mA - 2700 K	13158.5	115 W	80	15.00
	108-2457-70	LED-36/108W / 1050 mA - 2700 K	15084.2	115 W	70	14.00
	108-2458	LED-48/96W / 700 mA - 2700 K	11672.8	105.5 W	80	15.00
	108-2458-70	LED-48/96W / 700 mA - 2700 K	12537.4	105.5 W	70	15.00
	108-2459	LED-48/144W / 1050 mA - 2700 K	17544.7	154 W	80	15.00
	108-2459-70	LED-48/144W / 1050 mA - 2700 K	20112.2	154 W	70	15.00
	108-2638	LED-48/207W / 1400 mA - 2700 K	22251.8	209 W	80	15.00
	108-2638-70	LED-48/207W / 1400 mA - 2700 K	25675.2	209 W	70	13.00
	108-2639	LED-48/207W / 1400 mA - 3000 K	23535.6	209 W	80	15.00
	108-2639-70	LED-48/207W / 1400 mA - 3000 K	26745	209 W	70	13.00
	108-2640	LED-48/207W / 1400 mA - 4000 K	24605.4	209 W	80	15.00
	108-2640-70	LED-48/207W / 1400 mA - 4000 K	27814.8	209 W	70	13.00
asymmetric, side throw beam [S65]	108-0828	LED-24/48W / 700 mA - 4000 K	6763.7	54 W	80	15.00
	108-0828-70	LED-24/48W / 700 mA - 4000 K	7636.4	54 W	70	13.00
	108-0829	LED-24/72W / 1050 mA - 4000 K	9816.6	79 W	80	15.00
	108-0829-70	LED-24/72W / 1050 mA - 4000 K	11125.5	79 W	70	13.00
	108-0830	LED-36/72W / 700 mA - 4000 K	10145.6	79 W	80	15.00
	108-0830-70	LED-36/72W / 700 mA - 4000 K	11454.7	79 W	70	14.00
	108-0831	LED-36/108W / 1050 mA - 4000 K	14725	115 W	80	15.00
	108-0831-70	LED-36/108W / 1050 mA - 4000 K	16688.3	115 W	70	14.00
	108-0832	LED-48/96W / 700 mA - 4000 K	13527.4	105.5 W	80	15.00
	108-0832-70	LED-48/96W / 700 mA - 4000 K	15272.9	105.5 W	70	15.00
	108-0833	LED-48/144W / 1050 mA - 4000 K	19633.3	154 W	80	15.00
	108-0833-70	LED-48/144W / 1050 mA - 4000 K	22251.1	154 W	70	15.00
	108-1009	LED-24/48W / 700 mA - 3000 K	6327.3	54 W	80	15.00
	108-1009-70	LED-24/48W / 700 mA - 3000 K	7200.1	54 W	70	13.00
	108-1011	LED-24/72W / 1050 mA - 3000 K	9380.3	79 W	80	15.00
	108-1011-70	LED-24/72W / 1050 mA - 3000 K	10689.2	79 W	70	13.00
	108-1013	LED-36/108W / 1050 mA - 3000 K	14070.5	115 W	80	15.00

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-1013-70	LED-36/108W / 1050 mA - 3000 K	16033.9	115 W	70	14.00
	108-1015	LED-48/96W / 700 mA - 3000 K	12654.7	105.5 W	80	15.00
	108-1015-70	LED-48/96W / 700 mA - 3000 K	14400.2	105.5 W	70	15.00
	108-1017	LED-48/144W / 1050 mA - 3000 K	18760.7	154 W	80	15.00
	108-1017-70	LED-48/144W / 1050 mA - 3000 K	21378.5	154 W	70	15.00
	108-1043	LED-36/72W / 700 mA - 3000 K	9491	79 W	80	15.00
	108-1043-70	LED-36/72W / 700 mA - 3000 K	10800.1	79 W	70	14.00
	108-2460	LED-24/48W / 700 mA - 2700 K	5891	54 W	80	15.00
	108-2460-70	LED-24/48W / 700 mA - 2700 K	6327.3	54 W	70	13.00
	108-2461	LED-24/72W / 1050 mA - 2700 K	8944.1	79 W	80	15.00
	108-2461-70	LED-24/72W / 1050 mA - 2700 K	10252.9	79 W	70	13.00
	108-2462	LED-36/72W / 700 mA - 2700 K	8836.5	79 W	80	15.00
	108-2462-70	LED-36/72W / 700 mA - 2700 K	9491	79 W	70	14.00
	108-2463	LED-36/108W / 1050 mA - 2700 K	13416.1	115 W	80	15.00
	108-2463-70	LED-36/108W / 1050 mA - 2700 K	15379.4	115 W	70	14.00
	108-2464	LED-48/96W / 700 mA - 2700 K	11781.9	105.5 W	80	15.00
	108-2464-70	LED-48/96W / 700 mA - 2700 K	12654.7	105.5 W	70	15.00
	108-2465	LED-48/144W / 1050 mA - 2700 K	17888.1	154 W	80	15.00
	108-2465-70	LED-48/144W / 1050 mA - 2700 K	20505.9	154 W	70	15.00
	108-2641	LED-48/207W / 1400 mA - 2700 K	22687.4	209 W	80	15.00
	108-2641-70	LED-48/207W / 1400 mA - 2700 K	26177.7	209 W	70	15.00
	108-2642	LED-48/207W / 1400 mA - 3000 K	23996.2	209 W	80	15.00
	108-2642-70	LED-48/207W / 1400 mA - 3000 K	27268.5	209 W	70	13.00
	108-2643	LED-48/207W / 1400 mA - 4000 K	25087	209 W	80	15.00
	108-2643-70	LED-48/207W / 1400 mA - 4000 K	28359.2	209 W	70	13.00
pedestrian crossing, left-hand traffic [P45L]	108-1963	LED-36/72W / 700 mA - 3000 K	9127.9	79 W	80	15.00
	108-1963-70	LED-36/72W / 700 mA - 3000 K	10386.9	79 W	70	14.00
	108-1964	LED-36/72W / 700 mA - 4000 K	9757.4	79 W	80	15.00
	108-1964-70	LED-36/72W / 700 mA - 4000 K	11016.4	79 W	70	14.00
	108-1967	LED-48/96W / 700 mA - 3000 K	12170.5	105.5 W	80	15.00
	108-1967-70	LED-48/96W / 700 mA - 3000 K	13849.2	105.5 W	70	14.00
	108-1968	LED-48/96W / 700 mA - 4000 K	13009.9	105.5 W	80	15.00
	108-1968-70	LED-48/96W / 700 mA - 4000 K	14688.6	105.5 W	70	14.00
	108-1971	LED-36/108W / 1050 mA - 3000 K	13047.5	115 W	80	15.00
	108-1971-70	LED-36/108W / 1050 mA - 3000 K	14868.1	115 W	70	14.00
	108-1972	LED-36/108W / 1050 mA - 4000 K	13654.4	115 W	80	15.00



## Pole mounted

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-1972-70	LED-36/108W / 1050 mA - 4000 K	15474.9	115 W	70	14.00
	108-1975	LED-48/144W / 1050 mA - 3000 K	17396.7	154 W	80	15.00
	108-1975-70	LED-48/144W / 1050 mA - 3000 K	19824.1	154 W	70	14.00
	108-1976	LED-48/144W / 1050 mA - 4000 K	18205.8	154 W	80	15.00
	108-1976-70	LED-48/144W / 1050 mA - 4000 K	20633.3	154 W	70	14.00
pedestrian crossing, right-hand traffic [P45R] 	108-1965	LED-36/72W / 700 mA - 3000 K	9018.9	79 W	80	15.00
	108-1965-70	LED-36/72W / 700 mA - 3000 K	10262.8	79 W	70	14.00
	108-1966	LED-36/72W / 700 mA - 4000 K	9640.9	79 W	80	15.00
	108-1966-70	LED-36/72W / 700 mA - 4000 K	10884.8	79 W	70	14.00
	108-1969	LED-48/96W / 700 mA - 3000 K	12025.2	105.5 W	80	15.00
	108-1969-70	LED-48/96W / 700 mA - 3000 K	13683.8	105.5 W	70	14.00
	108-1970	LED-48/96W / 700 mA - 4000 K	12854.5	105.5 W	80	15.00
	108-1970-70	LED-48/96W / 700 mA - 4000 K	14513.1	105.5 W	70	14.00
	108-1973	LED-36/108W / 1050 mA - 3000 K	13103.3	115 W	80	15.00
	108-1973-70	LED-36/108W / 1050 mA - 3000 K	14931.6	115 W	70	14.00
	108-1974	LED-36/108W / 1050 mA - 4000 K	13712.7	115 W	80	15.00
	108-1974-70	LED-36/108W / 1050 mA - 4000 K	15541.1	115 W	70	14.00
	108-1977	LED-48/144W / 1050 mA - 3000 K	17471	154 W	80	15.00
	108-1977-70	LED-48/144W / 1050 mA - 3000 K	19908.9	154 W	70	14.00
	108-1978	LED-48/144W / 1050 mA - 4000 K	18283.6	154 W	80	15.00
	108-1978-70	LED-48/144W / 1050 mA - 4000 K	20721.5	154 W	70	14.00
	108-2653	LED-48/207W / 1400 mA - 2700 K	21127.8	209 W	80	15.00
	108-2653-70	LED-48/207W / 1400 mA - 2700 K	24378.2	209 W	70	13.00
	108-2654	LED-48/207W / 1400 mA - 3000 K	22346.7	209 W	80	15.00
	108-2654-70	LED-48/207W / 1400 mA - 3000 K	25394	209 W	70	13.00
108-2655	LED-48/207W / 1400 mA - 4000 K	23362.4	209 W	80	15.00	
108-2655-70	LED-48/207W / 1400 mA - 4000 K	26409.7	209 W	70	13.00	
rectangular, side throw [R65] 	108-0955	LED-24/48W / 700 mA - 4000 K	6295.7	54 W	80	15.00
	108-0955-70	LED-24/48W / 700 mA - 4000 K	7108	54 W	70	13.00
	108-0956	LED-36/72W / 700 mA - 4000 K	9443.5	79 W	80	15.00
	108-0956-70	LED-36/72W / 700 mA - 4000 K	10662	79 W	70	14.00
	108-0957	LED-48/96W / 700 mA - 4000 K	12591.3	105.5 W	80	15.00
	108-0957-70	LED-48/96W / 700 mA - 4000 K	14216	105.5 W	70	15.00
	108-0958	LED-24/72W / 1050 mA - 4000 K	9104.5	79 W	80	15.00
	108-0958-70	LED-24/72W / 1050 mA - 4000 K	10318.4	79 W	70	13.00
	108-0959	LED-36/108W / 1050 mA - 4000 K	13656.7	115 W	80	15.00

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-0959-70	LED-36/108W / 1050 mA - 4000 K	15477.6	115 W	70	14.00
	108-0960	LED-48/144W / 1050 mA - 4000 K	18209	154 W	80	15.00
	108-0960-70	LED-48/144W / 1050 mA - 4000 K	20636.8	154 W	70	15.00
	108-1031	LED-24/48W / 700 mA - 3000 K	5889.5	54 W	80	13.00
	108-1031-70	LED-24/48W / 700 mA - 3000 K	6701.8	54 W	70	13.00
	108-1033	LED-24/72W / 1050 mA - 3000 K	8699.8	79 W	80	15.00
	108-1033-70	LED-24/72W / 1050 mA - 3000 K	9913.8	79 W	70	13.00
	108-1035	LED-36/72W / 700 mA - 3000 K	8834.2	79 W	80	15.00
	108-1035-70	LED-36/72W / 700 mA - 3000 K	10052.8	79 W	70	14.00
	108-1037	LED-36/108W / 1050 mA - 3000 K	13049.8	115 W	80	15.00
	108-1037-70	LED-36/108W / 1050 mA - 3000 K	14870.7	115 W	70	14.00
	108-1039	LED-48/96W / 700 mA - 3000 K	11779	105.5 W	80	15.00
	108-1039-70	LED-48/96W / 700 mA - 3000 K	13403.7	105.5 W	70	15.00
	108-1041	LED-48/144W / 1050 mA - 3000 K	17399.7	154 W	80	15.00
	108-1041-70	LED-48/144W / 1050 mA - 3000 K	19827.5	154 W	70	15.00
	108-2472	LED-24/48W / 700 mA - 2700 K	5483.3	54 W	80	13.00
	108-2472-70	LED-24/48W / 700 mA - 2700 K	5889.5	54 W	70	13.00
	108-2473	LED-24/72W / 1050 mA - 2700 K	8295.2	79 W	80	15.00
	108-2473-70	LED-24/72W / 1050 mA - 2700 K	9509.1	79 W	70	13.00
	108-2474	LED-36/72W / 700 mA - 2700 K	8225	79 W	80	15.00
	108-2474-70	LED-36/72W / 700 mA - 2700 K	8834.2	79 W	70	14.00
	108-2475	LED-36/108W / 1050 mA - 2700 K	12442.8	115 W	80	15.00
	108-2475-70	LED-36/108W / 1050 mA - 2700 K	14263.7	115 W	70	14.00
	108-2476	LED-48/96W / 700 mA - 2700 K	10966.6	105.5 W	80	15.00
	108-2476-70	LED-48/96W / 700 mA - 2700 K	11779	105.5 W	70	15.00
	108-2477	LED-48/144W / 1050 mA - 2700 K	16590.4	154 W	80	15.00
	108-2477-70	LED-48/144W / 1050 mA - 2700 K	19018.2	154 W	70	15.00
	108-2647	LED-48/207W / 1400 mA - 2700 K	21041.5	209 W	80	15.00
	108-2647-70	LED-48/207W / 1400 mA - 2700 K	24278.6	209 W	70	15.00
	108-2648	LED-48/207W / 1400 mA - 3000 K	22255.4	209 W	80	15.00
	108-2648-70	LED-48/207W / 1400 mA - 3000 K	25290.2	209 W	70	13.00
	108-2649	LED-48/207W / 1400 mA - 4000 K	23267	209 W	80	15.00
	108-2649-70	LED-48/207W / 1400 mA - 4000 K	26301.8	209 W	70	13.00

### Control

#### Eco Step Dim® Basic

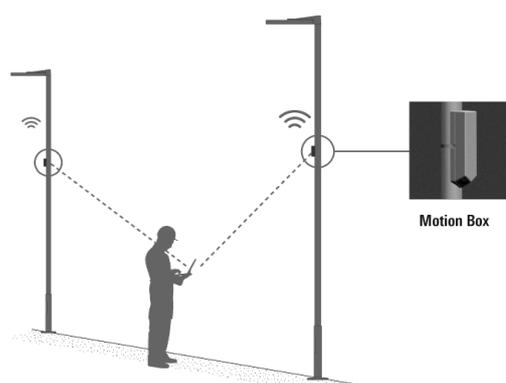
Description	Part ID
Eco Step Dim® Basic LED	430-0001

#### Eco Step Dim® Advanced

Description	Part ID
Eco Step Dim® Advanced LED	430-0002

#### Eco Step Dim® Motion

Description	Part ID
Eco Step Dim® Motion - Linked	430-0021



#### R2C Ready to Connect

Description	Part ID
R2C Ready to Connect (top)	430-0019
R2C Ready to Connect (below)	430-0027
R2C Ready to Connect (top and below)	430-0032

### Citygrid Motion On Pole

Description	Part ID	Additional information
Citygrid Motion - Entry-Package	420-0011	<p>Citygrid Motion. Das All-in-One Gerät, das vorhandene Leuchten in ein intelligentes Lichtsystem verwandeln kann.</p> <p>Einstiegs-Paket WE-EF liefert und konfiguriert Leuchten und Citygrid System einmalig ab Werk bzw. am Einsatzort. Neukonfiguration als Service abrufbar (kostenpflichtig). Gateway/App nicht inbegriffen.</p> <p>Anwendungen: Kommunale Einzelprojekte, Insellösungen und Feldversuche für Smart Lighting, z.B. einzelne Straßen, Wege oder Plätze. Halböffentliche oder private Projekte, z.B. Firmengelände, Parkplatz.</p>



## Pole mounted

Description	Part ID	Additional information
Citygrid Motion - Standalone-Package	420-0012	<p>Citygrid Motion On Pole Controller.</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.</p> <p>The standalone package:</p> <p>Dongle &amp; apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.</p> <p>Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.</p>

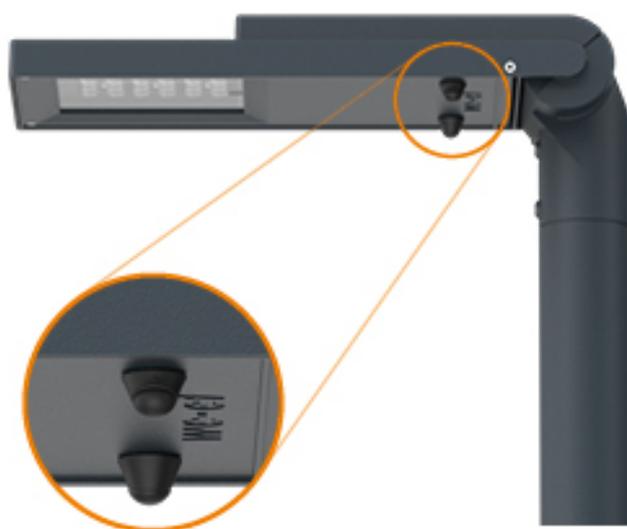


Description	Part ID	Additional information
Citygrid Motion - Smart-City-Package	420-0013	<p>Citygrid Motion On Pole Controller</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.</p> <p>The Smart-City package:</p> <p>Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).</p> <p>Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).</p>



**Citygrid Motion On Luminaire**

Description	Part ID	Additional information
Citygrid Motion - Entry-Package	420-0021	<p>Citygrid On Luminaire - Entry Package Citygrid On Luminaire. Die Sensoren erkennen Bewegung und Verkehr beim Betreten des Sensor und Leuchtenfelds.</p> <p>Einstiegs-Paket WE-EF liefert und konfiguriert Leuchten und Citygrid System einmalig ab Werk bzw. am Einsatzort. Neukonfiguration als Service abrufbar (kostenpflichtig). Gateway/App nicht inbegriffen.</p> <p>Anwendungen: Kommunale Einzelprojekte, Insellösungen und Feldversuche für Smart Lighting, z.B. einzelne Straßen, Wege oder Plätze. Halböffentliche oder private Projekte, z.B. Firmengelände, Parkplatz. Citygrid built-in light controller with angled sensors The sensors detect motion and traffic on entering the sensor and lighting field.</p> <p>The entry-level package: WE-EF supplies and configures luminaires and the Citygrid system once ex works or on site. Reconfiguration is available as a service (chargeable). Gateway/app not included.</p> <p>Applications: individual communal projects, isolated solutions and field trials for smart lighting, e.g. single streets, paths or squares. Semi-public or private projects, e.g. company site, car park.</p>



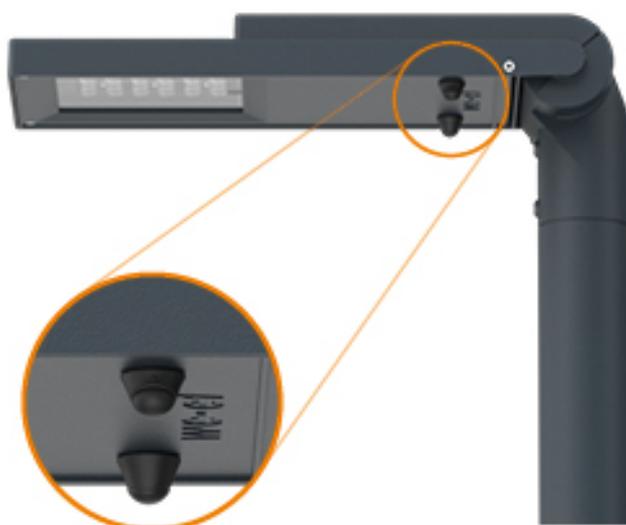
## Pole mounted

Description	Part ID	Additional information
Citygrid Motion - Standalone-Package	420-0022	Citygrid Motion built-in light controller with angled sensors The sensors detect motion and traffic on entering the sensor and lighting field.

The standalone package:

Dongle & apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.

Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.



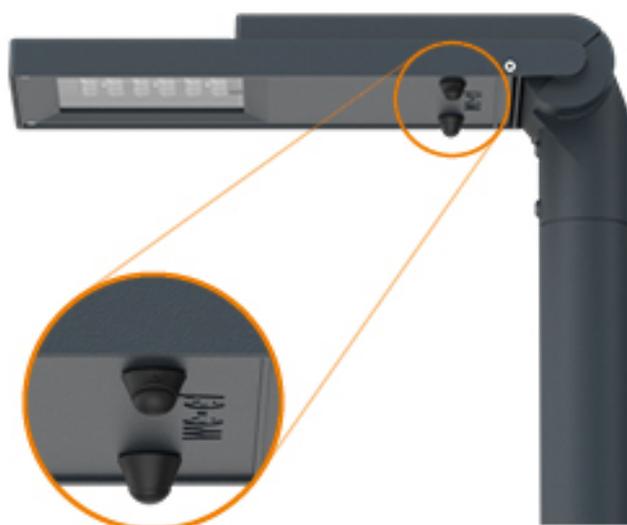
## Pole mounted

Description	Part ID	Additional information
Citygrid Motion - Smart-City-Package	420-0023	Citygrid Motion built-in light controller with angled sensors The sensors detect motion and traffic on entering the sensor and lighting field.

The Smart-City package:

Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).

Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).



**Citygrid Motion Zhaga**

Description	Part ID	Additional information
Citygrid Motion - Standalone-Package	420-0032	<p>Citygrid Motion Zhaga controller with sensor.</p> <p>The compact all-in-one design turns every luminaire with a Zhaga Book 18 socket facing the street surface into motion-controlled, intelligent street &amp; area lighting.</p> <p>The standalone package: Dongle &amp; apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.</p> <p>Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.</p>



## Pole mounted

Description	Part ID	Additional information
Citygrid Motion - Smart-City-Package	420-0033	<p>Citygrid Motion Zhaga controller with sensor.</p> <p>The compact all-in-one design turns every luminaire with a Zhaga Book 18 socket facing the street surface into motion-controlled, intelligent street &amp; area lighting.</p> <p>The Smart-City package:</p> <p>Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).</p> <p>Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).</p>



### Wild-Light Citygrid Motion On Pole

Description	Part ID	Additional information
Wild-Light Citygrid Motion - Entry- Package	420-1111	<p>Citygrid Motion On Pole Controller.</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.</p> <p>The entry-level package: WE-EF supplies and configures luminaires and the Citygrid system once ex works or on site. Reconfiguration is available as a service (chargeable). Gateway/app not included.</p> <p>Applications: individual communal projects, isolated solutions and field trials for smart lighting, e.g. single streets, paths or squares. Semi-public or private projects, e.g. company site, car park.</p>



## Pole mounted

Description	Part ID	Additional information
Wild-Light Citygrid Motion - Standalone-Package	420-1112	Citygrid Motion On Pole Controller for Wild-Light. The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.

The standalone package:

Dongle & apps included; operators can configure, change and service the Citygrid system themselves (on site) using the apps on their mobile device.

Applications: demarcated communal projects (street, square, district) or private projects (larger company sites, commercial estates) if qualified personnel are available for the operation of the system.



## Pole mounted

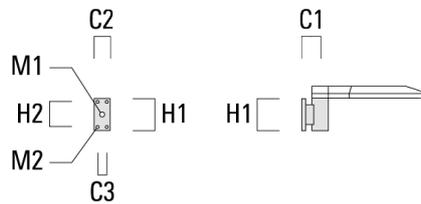
Description	Part ID	Additional information
Wild-Light Citygrid Motion - Smart-City-Package	420-1113	<p>Citygrid Motion On Pole Controller for Wild-Light.</p> <p>The Citygrid Motion On Pole Controller is the all-in-one device that can convert existing luminaires into an intelligent lighting system.</p> <p>The Smart-City package:</p> <p>Internet gateway (via mobile phone) and dashboard included; operators can configure, change and service themselves (remotely). Networked Smart-City functions (data collection, remote maintenance, etc.).</p> <p>Applications: larger communal projects or field trials in the context of Smart City; operator has qualified personnel (municipal utilities).</p>



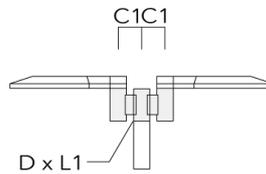
**Mounting Accessories**

**Wall and pole brackets RV**

Description	Part ID	Additional information	C1	C2	C3	D1	D × L1	H1	H2	M1	M2	Weight (kg)	C	D	H
RV0 Wall bracket	108-0979	RV0 Wall bracket	108	100	60			200	160	38	12	2.00	108		

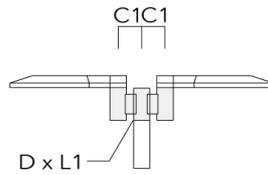


RV2-76 Pole bracket, double	108-0980		147				76 x 100					4.80	147	76	200
-----------------------------	----------	--	-----	--	--	--	----------	--	--	--	--	------	-----	----	-----

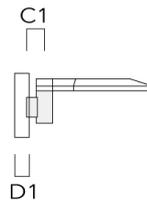


**Pole mounted**

Description	Part ID	Additional information	C1	C2	C3	D1	D x L1	H1	H2	M1	M2	Weight (kg)	C	D	H
RV2-60 Pole bracket, double	108-0981	147					60 x 100					4.80	147	60	200

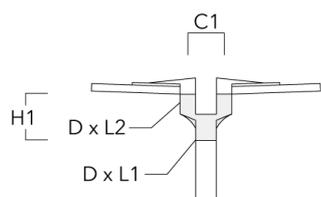


RV5 Pole bracket	108-0982	108				76-240						1.70	106		200
------------------	----------	-----	--	--	--	--------	--	--	--	--	--	------	-----	--	-----



### Post top fitter AKV

Description	Part ID	C1	D × L1	D × L2	H1	Weight (kg)
AKV2-76	300-0053	180	76x100	67x	235	1.50



**Optical Accessories****Light shield**

Description	Part ID	Additional information
LS180-[A60]	430-0038	Light shield LS180 to greatly reduce or eliminate light pollution. PA injection moulded component, black matt. Suitable for asymmetric light distribution [A60].
LS180	430-0029	Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [S60], [S65], [S70], [R65], [P65] lenses. Must be specified at time of ordering.