

### Description

IP66. Class I / II. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection + primer including PCS hardware. RFC™ Reflection Free Contour main lens. Silicone CCG® Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation.

Integral EC electronic converter. DALI. Advanced thermal management protects LEDs while optimising lumens output. LED board can be easily removed for upgrading. CAD- optimised OLC® optics for superior illumination and glare control. Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering.

Maximum spacing for streetlighting applications depends on wattage and light distribution.

Please note that the luminaire requires a mounting bracket for installation. This bracket needs to be ordered separately. Please choose from one of our various options listed under Mounting Accessories

**Pole mounted**

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**Specifications****Material description**

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Body	Marine-grade, die-cast aluminium alloy
Lens	RFC® Reflection Free Contour technology
Colours	 RAL9004 Signal black  RAL9006 White aluminium  RAL9007 Grey aluminium
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP66
Impact resistance	IK08
Corrosion resistance	5CE+Primer

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**Electrical description**

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Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral EC electronic converter. DALI
Power factor	> 0.9
Surge protection	In-pole surge protection SP10 device supplied. Please refer to WE-EF installation instructions for details. Use suffix +A for Integral surge protection.

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**Additional information**

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Lifetime	Ta=40° L90B10 > 90000h
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## Pole mounted

### Options

#### Light distribution



asymmetric, side throw [S60]



asymmetric, side throw [S65]



asymmetric, side throw [S70]



asymmetric, forward throw [A60]



rectangular, side throw [R65]



pedestrian/bicycle lane [P65]

#### Colour temperature



3000 K



4000 K



2700 K

#### Nominal Watt

21 W

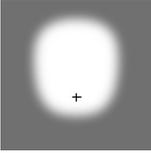
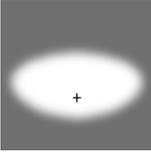
39 W

59 W

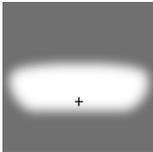
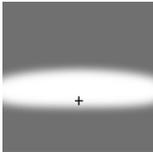
84 W

0 W

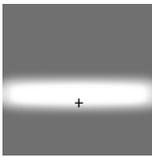
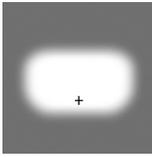
**Configurations**

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
asymmetric, forward throw [A60] 	105-7143	LED-18/18W / 350 mA - 2700 K	2114.7	21 W	80	7.50
	105-7149	LED 18/36W / 700 mA - 2700 K	3750.2	41 W	80	7.50
	105-7149-70	LED 18/36W / 700 mA - 2700 K	4028	41 W	70	7.50
	105-7155	LED 18/54W / 1050 mA - 2700 K	5873.6	59 W	80	7.50
	105-7155-70	LED 18/54W / 1050 mA - 2700 K	6733.2	59 W	70	7.50
	105-7161	LED 18/78W / 1400 mA - 2700 K	7077	80 W	80	7.50
	105-7161-70	LED 18/78W / 1400 mA - 2700 K	8165.8	80 W	70	7.50
	105-9816	LED-18/18W / 350 mA - 3000 K	2260.5	21 W	80	7.50
	105-9817	LED-18/36W / 700 mA - 3000 K	4028	41 W	80	7.50
	105-9818	LED-18/54W / 1050 mA - 3000 K	6160.2	59 W	80	7.50
	105-9819	LED-18/78W / 1400 mA - 3000 K	7485.3	80 W	80	7.50
	105-9819-70	LED-18/78W / 1400 mA - 3000 K	8506.1	80 W	70	7.50
	105-9820	LED-18/18W / 350 mA - 4000 K	2479.3	21 W	80	7.50
	105-9821	LED-18/36W / 700 mA - 4000 K	4305.8	41 W	80	7.50
	105-9822	LED-18/54W / 1050 mA - 4000 K	6446.7	59 W	80	7.50
	105-9823	LED-18/78W / 1400 mA - 4000 K	7825.6	80 W	80	7.50
105-9823-70	LED-18/78W / 1400 mA - 4000 K	8846.3	80 W	70	7.50	
asymmetric, side throw [S60] 	105-7140	LED-18/18W / 350 mA - 2700 K	2317.9	21 W	80	7.50
	105-7146	LED 18/36W / 700 mA - 2700 K	4110.6	41 W	80	7.50
	105-7146-70	LED 18/36W / 700 mA - 2700 K	4415.1	41 W	70	7.50
	105-7152	LED 18/54W / 1050 mA - 2700 K	6493.6	59 W	80	7.50
	105-7152-70	LED 18/54W / 1050 mA - 2700 K	7443.8	59 W	70	7.50
	105-7158	LED 18/78W / 1400 mA - 2700 K	7823.9	80 W	80	7.50
	105-7158-70	LED 18/78W / 1400 mA - 2700 K	9027.5	80 W	70	7.50
	105-9771	LED-18/18W / 350 mA - 3000 K	2477.7	21 W	80	7.50
	105-9772	LED-18/36W / 700 mA - 3000 K	4415.1	41 W	80	7.50
	105-9773	LED-18/54W / 1050 mA - 3000 K	6810.3	59 W	80	7.50
	105-9774	LED-18/78W / 1400 mA - 3000 K	8275.2	80 W	80	7.50
	105-9774-70	LED-18/78W / 1400 mA - 3000 K	9403.7	80 W	70	7.50
	105-9775	LED-18/18W / 350 mA - 4000 K	2717.5	21 W	80	7.50
	105-9776	LED-18/36W / 700 mA - 4000 K	4719.6	41 W	80	7.50
	105-9777	LED-18/54W / 1050 mA - 4000 K	7127.1	59 W	80	7.50
	105-9778	LED-18/78W / 1400 mA - 4000 K	8651.4	80 W	80	7.50
105-9778-70	LED-18/78W / 1400 mA - 4000 K	9779.8	80 W	70	7.50	

## Pole mounted

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
asymmetric, side throw [S65] 	105-7141	LED-18/18W / 350 mA - 2700 K	2356.9	21 W	80	7.50
	105-7141-70	LED-18/18W / 350 mA - 2700 K	2519.4	21 W	70	7.50
	105-7147	LED 18/36W / 700 mA - 2700 K	4179.7	41 W	80	7.50
	105-7147-70	LED 18/36W / 700 mA - 2700 K	4489.4	41 W	70	7.50
	105-7153	LED 18/54W / 1050 mA - 2700 K	6638	59 W	80	7.50
	105-7153-70	LED 18/54W / 1050 mA - 2700 K	7609.5	59 W	70	7.50
	105-7159	LED 18/78W / 1400 mA - 2700 K	7997.9	80 W	80	7.50
	105-7159-70	LED 18/78W / 1400 mA - 2700 K	9228.3	80 W	70	7.50
	105-9786	LED-18/18W / 350 mA - 3000 K	2519.4	21 W	80	7.50
	105-9787	LED-18/36W / 700 mA - 3000 K	4489.4	41 W	80	7.50
	105-9788	LED-18/54W / 1050 mA - 3000 K	6961.8	59 W	80	7.50
	105-9789	LED-18/78W / 1400 mA - 3000 K	8459.3	80 W	80	7.50
	105-9789-70	LED-18/78W / 1400 mA - 3000 K	9612.9	80 W	70	7.50
	105-9790	LED-18/18W / 350 mA - 4000 K	2763.2	21 W	80	7.50
	105-9791	LED-18/36W / 700 mA - 4000 K	4799	41 W	80	7.50
	105-9792	LED-18/54W / 1050 mA - 4000 K	7285.6	59 W	80	7.50
	105-9793	LED-18/78W / 1400 mA - 4000 K	8843.8	80 W	80	7.50
105-9793-70	LED-18/78W / 1400 mA - 4000 K	9997.4	80 W	70	7.50	
asymmetric, side throw [S70] 	105-7142	LED-18/18W / 350 mA - 2700 K	2318.3	21 W	80	7.50
	105-7148	LED 18/36W / 700 mA - 2700 K	4111.3	41 W	80	7.50
	105-7148-70	LED 18/36W / 700 mA - 2700 K	4415.9	41 W	70	7.50
	105-7154	LED 18/54W / 1050 mA - 2700 K	6464.7	59 W	80	7.50
	105-7154-70	LED 18/54W / 1050 mA - 2700 K	7410.8	59 W	70	7.50
	105-7160	LED 18/78W / 1400 mA - 2700 K	7789.2	80 W	80	7.50
	105-7160-70	LED 18/78W / 1400 mA - 2700 K	8987.6	80 W	70	7.50
	105-9801	LED-18/18W / 350 mA - 3000 K	2478.2	21 W	80	7.50
	105-9802	LED-18/36W / 700 mA - 3000 K	4415.9	41 W	80	7.50
	105-9803	LED-18/54W / 1050 mA - 3000 K	6780.1	59 W	80	7.50
	105-9803-70	LED-18/54W / 1050 mA - 3000 K	7726.1	59 W	70	7.50
	105-9804	LED-18/78W / 1400 mA - 3000 K	8238.6	80 W	80	7.50
	105-9804-70	LED-18/78W / 1400 mA - 3000 K	9362	80 W	70	7.50
	105-9805	LED-18/18W / 350 mA - 4000 K	2718	21 W	80	7.50
	105-9806	LED-18/36W / 700 mA - 4000 K	4720.4	41 W	80	7.50
	105-9807	LED-18/54W / 1050 mA - 4000 K	7095.4	59 W	80	7.50
	105-9812	LED-18/78W / 1400 mA - 4000 K	8613.1	80 W	80	7.50
105-9812-70	LED-18/78W / 1400 mA - 4000 K	9736.5	80 W	70	7.50	

## Pole mounted

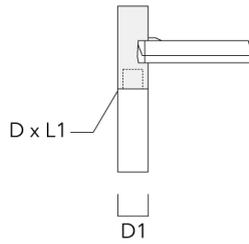
Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
pedestrian/bicycle lane [P65] 	105-0100	LED-18/18W / 350 mA - 3000 K	2300.8	21 W	80	7.50
	105-0101	LED-18/18W / 350 mA - 4000 K	2523.4	21 W	80	7.50
	105-0102	LED-18/36W / 700 mA - 3000 K	4179.3	41 W	80	7.50
	105-0103	LED-18/36W / 700 mA - 4000 K	4467.5	41 W	80	7.50
	105-0104	LED-18/54W / 1050 mA - 3000 K	6414.3	59 W	80	7.50
	105-0105	LED-18/54W / 1050 mA - 4000 K	6712.7	59 W	80	7.50
	105-0227-70	LED-18/54W / 1050 mA - 2700 K	7011	59 W	70	7.50
	105-7101-70	LED-18/78W / 1400 mA - 4000 K	9696.1	80 W	70	7.50
	105-7145	LED-18/18W / 350 mA - 2700 K	2152.3	21 W	80	7.50
	105-7145-70	LED-18/18W / 350 mA - 2700 K	2300.8	21 W	70	7.50
	105-7151	LED 18/36W / 700 mA - 2700 K	3891	41 W	80	7.50
	105-7151-70	LED 18/36W / 700 mA - 2700 K	4179.3	41 W	70	7.50
	105-7157	LED 18/54W / 1050 mA - 2700 K	6116	59 W	80	7.50
	105-7163	LED 18/78W / 1400 mA - 2700 K	7756.9	80 W	80	7.50
	105-7163-70	LED 18/78W / 1400 mA - 2700 K	8950.2	80 W	70	7.50
rectangular, side throw [R65] 	105-0221-70	LED-18/54W / 1050 mA - 2700 K	6882.2	59 W	70	7.50
	105-7144	LED-18/18W / 350 mA - 2700 K	2170.4	21 W	80	7.50
	105-7144-70	LED-18/18W / 350 mA - 2700 K	2320.1	21 W	70	7.50
	105-7150	LED 18/36W / 700 mA - 2700 K	3849.1	41 W	80	7.50
	105-7150-70	LED 18/36W / 700 mA - 2700 K	4134.2	41 W	70	7.50
	105-7156	LED 18/54W / 1050 mA - 2700 K	6003.7	59 W	80	7.50
	105-7156-70	LED 18/54W / 1050 mA - 2700 K	6882.2	59 W	70	7.50
	105-7162	LED 18/78W / 1400 mA - 2700 K	7233.7	80 W	80	7.50
	105-7162-70	LED 18/78W / 1400 mA - 2700 K	8346.6	80 W	70	7.50
	105-9831	LED-18/18W / 350 mA - 3000 K	2320.1	21 W	80	7.50
	105-9832	LED-18/36W / 700 mA - 3000 K	4134.2	41 W	80	7.50
	105-9833	LED-18/54W / 1050 mA - 3000 K	6296.5	59 W	80	7.50
	105-9834	LED-18/78W / 1400 mA - 3000 K	7651	80 W	80	7.50
	105-9834-70	LED-18/78W / 1400 mA - 3000 K	8694.4	80 W	70	7.50
	105-9835	LED-18/18W / 350 mA - 4000 K	2544.7	21 W	80	7.50
	105-9836	LED-18/36W / 700 mA - 4000 K	4419.4	41 W	80	7.50
	105-9837	LED-18/54W / 1050 mA - 4000 K	6589.4	59 W	80	7.50
	105-9838	LED-18/78W / 1400 mA - 4000 K	7998.8	80 W	80	7.50
	105-9838-70	LED-18/78W / 1400 mA - 4000 K	9042.1	80 W	70	7.50

Pole mounted

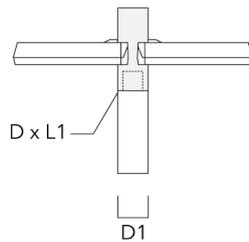
**Mounting Accessories**

**Wall and pole brackets RM**

Description	Part ID	C1	C2	C3	D1	D × L1	H1	H2	M1	Weight (kg)
RM1-76 Pole bracket, single	105-9849				114	76 x 80				1.20

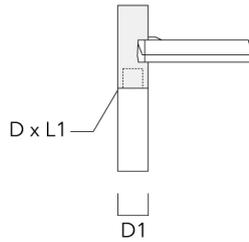


RM2-76 Pole bracket, double	105-9850				114	76 x 80				1.30
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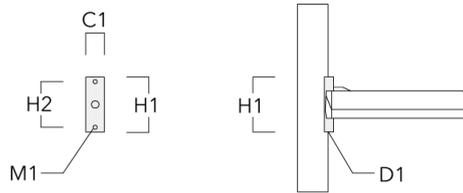


**Pole mounted**

Description	Part ID	C1	C2	C3	D1	D × L1	H1	H2	M1	Weight (kg)
RM1-76 Pole bracket, single	105-9847				102	76 x 80				1.00

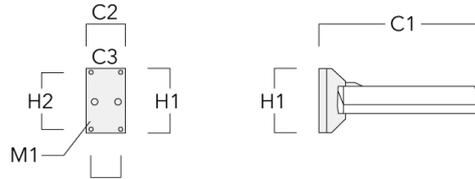


RM1-S Pole bracket, short	105-9845	50			≥ 76		150	124	11	0.60
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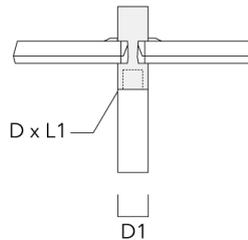


**Pole mounted**

Description	Part ID	C1	C2	C3	D1	D × L1	H1	H2	M1	Weight (kg)
RM1-W Wall bracket, single	105-9846	375	105	80			175	155	6	1.30



RM2-76 Pole bracket, double	105-9848				102	76 x 80				1.00
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## Pole mounted

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### 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

#### R2C Ready to Connect

Description	Part ID
R2C Ready to Connect (top)	430-0019

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

Description	Part ID	Additional information
LS180-[A60]	003-4018	Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [A60] lenses. Must be specified at time of ordering.
LS180	003-4019	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.