

**Description**

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG® Controlled Compression Gasket.

Integral EC electronic converter in thermally-separated compartment. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept.

## Projectors

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### Specifications

#### Material description

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Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colours	 RAL9004 Signal black  RAL9007 Grey aluminium  RAL7016 Anthracite grey  RAL9016 Traffic white
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS hardware
Ingress protection	IP66
Impact resistance	IK07
Corrosion resistance	5CE
Windage	0.025 m <sup>2</sup>

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#### Electrical description

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Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral EC electronic converter in thermally-separated compartment

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#### Additional information

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Lifetime	T <sub>a</sub> =25° L90B10 > 90000h
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**Projectors**

**Options**

**Light distribution**



symmetric, medium beam [M]



symmetric, very narrow beam, sharp cut-off [EES]



linear spread, very narrow beam, sharp cut-off [EES]



symmetric, wide beam [B]



symmetric, very narrow beam [EE]



linear spread, very narrow beam [EE]



wallwash

**Colour temperature**

**Nominal Watt**



3000 K



4000 K

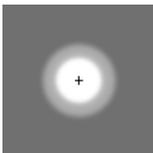
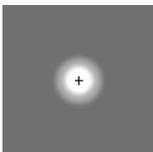
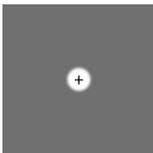
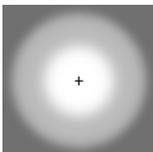
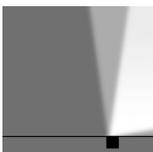


2700 K

16 W

## Projectors

### Configurations

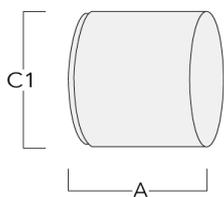
Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
linear spread, very narrow beam [EE] 	145-0055+145-0050	LED-6/12W / 700 mA - 3000 K	1386.3	14.5 W	80	1.70
	145-0056+145-0050	LED-6/12W / 700 mA - 4000 K	1481.9	14.5 W	80	1.70
	145-0278+145-0050	LED-6/12W / 700 mA - 2700 K	1393.3	14.5 W	80	1.70
linear spread, very narrow beam, sharp cut-off [EES] 	145-0034+145-0050	LED-6/12W / 700 mA - 3000 K	1526.2	14.5 W	80	1.70
	145-0035+145-0050	LED-6/12W / 700 mA - 4000 K	1631.5	14.5 W	80	1.70
	145-0292+145-0050	LED-6/12W / 700 mA - 2700 K	1499.6	14.5 W	80	1.70
symmetric, medium beam [M] 	145-0031	LED-6/12W / 700 mA - 3000 K	1511.8	14.5 W	80	1.70
	145-0032	LED-6/12W / 700 mA - 4000 K	1616.1	14.5 W	80	1.70
	145-0283	LED-6/12W / 700 mA - 2700 K	1407.5	14.5 W	80	1.70
symmetric, very narrow beam [EE] 	145-0055	LED-6/12W / 700 mA - 3000 K	1496.5	14.5 W	80	1.70
	145-0056	LED-6/12W / 700 mA - 4000 K	1599.7	14.5 W	80	1.70
	145-0278	LED-6/12W / 700 mA - 2700 K	1393.3	14.5 W	80	1.70
symmetric, very narrow beam, sharp cut-off [EES] 	145-0034	LED-6/12W / 700 mA - 3000 K	1610.7	14.5 W	80	1.70
	145-0035	LED-6/12W / 700 mA - 4000 K	1721.8	14.5 W	80	1.70
	145-0292	LED-6/12W / 700 mA - 2700 K	1499.6	14.5 W	80	1.70
symmetric, wide beam [B] 	145-0052	LED-6/12W / 700 mA - 3000 K	1347.1	14.5 W	80	1.70
	145-0053	LED-6/12W / 700 mA - 4000 K	1440	14.5 W	80	1.70
	145-0284	LED-6/12W / 700 mA - 2700 K	1254.2	14.5 W	80	1.70
wallwash 	145-0031+145-0145	LED-6/12W / 700 mA - 3000 K	1213	14.5 W	80	1.70
	145-0032+145-0145	LED-6/12W / 700 mA - 4000 K	1296.6	14.5 W	80	1.70
	145-0283+145-0145	LED-6/12W / 700 mA - 2700 K	1407.5	14.5 W	80	1.70

**Projectors**

**Optical Accessories**

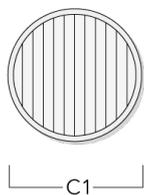
**Snoot**

Description	Part ID	A	C1
Snoot ET	145-0030	60	120



**Linear spread lens**

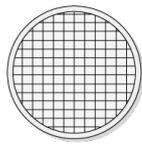
Description	Part ID	C1
Linear spread lens IO-180	145-0050	81



**Projectors**

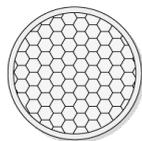
**Flood lens**

Description	Part ID	C1
Flood lens IO-360	145-9390	81



**Honeycomb louvre**

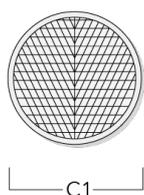
Description	Part ID	C1
Honeycomb louvre IW	145-0143	81



**Projectors**

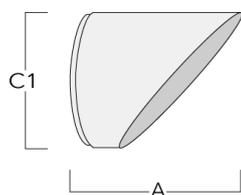
**Wallwash lens**

Description	Part ID	C1
Wallwash lens IO-20	145-0145	81



**Glare shield**

Description	Part ID	A	C1
Glare shield ES	145-9192	102	119



## Projectors

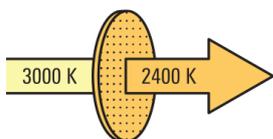
### Linear louvre

Description	Part ID	C1
Linear louvre IL	145-9171	81



### Colour correction filter

Description	Part ID
IF-3000K > 2400K	145-9188

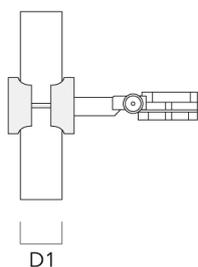


**Projectors**

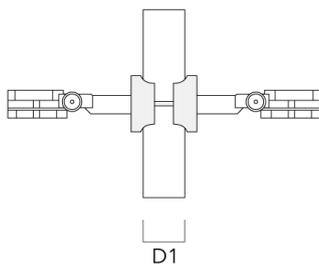
**Mounting Accessories**

**Pole clamp**

Description	Part ID	D1	Weight (kg)	D
Pole clamp SP1-2/M8, single (Ø 76-89)	146-0246	76-89	1.20	76-89

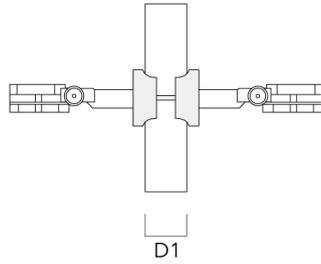


Pole clamp SP2-2/M8, double (Ø 38-60)	146-0247	38-60	1	38-66
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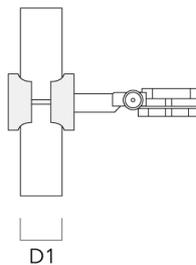


**Projectors**

Description	Part ID	D1	Weight (kg)	D
Pole clamp SP2-2/M8, double (Ø 76-89)	146-0248	76-89	1.20	76-89



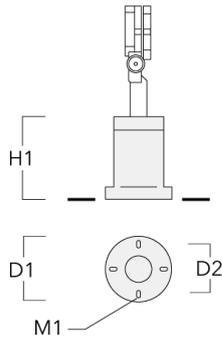
Pole clamp SP1-2/M8, single (Ø 38-60)	146-0245	38-60	1	38-66
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**Projectors**

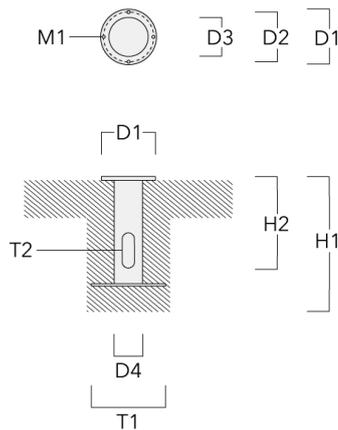
**Short post**

Description	Part ID	D1	D2	H1	M1	Weight (kg)
Short post EM1-2/M8	146-0253	160	130	200	9	1.10



**Planted root**

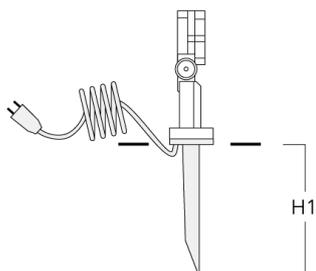
Description	Part ID	D1	D2	D3	D4	H1	H2	M1	T1	T2	Weight (kg)
Planted root ESV4	300-0461-AP	150	130	60	89	400	350	8	200	50 x 100	3.85



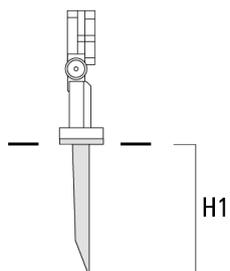
**Projectors**

**Ground spike**

Description	Part ID	H1	Weight (kg)
Ground spike EF1 (including cable and plug)	146-0251	270	0.40



Ground spike EF1 (without cable and plug)	146-0250	270	0.40
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## Projectors

### Junction box

Description	Part ID	D1	D2	M1	Weight (kg)
Junction box JB1	310-9000	135	67	9	1.6

