



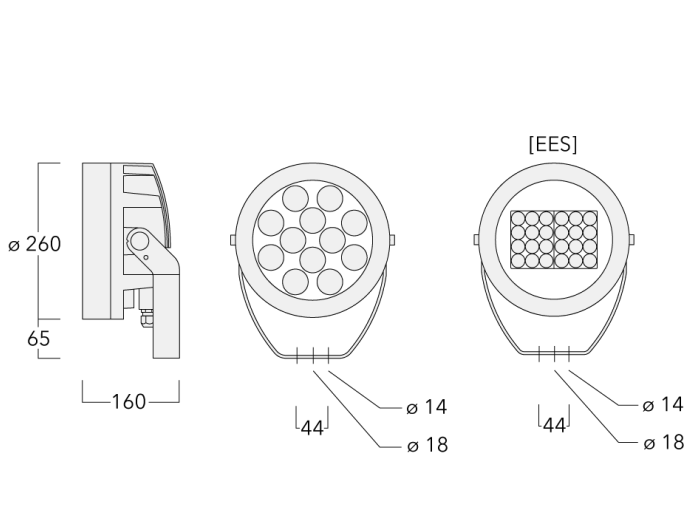
**Description**

IP66. Class I. IK07. Marine-grade, die-cast aluminum 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.

For 2200 K version available on request, except [EES] distribution.

Weight	7.60 kg
Light distribution	symmetric, very narrow beam [EE]
Light source	LED-12/36W / 1050 mA - 3000 K
CRI	80
Power supply	EC
LEDs	12
Rated input power	41 W
<b>Nominal Lumen (lm)</b>	
LED Lumen	430
Total Lumen	5160
Tj	85
<b>Rated lumens (lm)</b>	
LED Lumen	385.6
Total Lumen	4627
Ta	25



## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens
Colours	<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 15px; background-color: black; margin-right: 5px;"></div> <span>RAL9004 Signal black</span> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #808080; margin-right: 5px;"></div> <span>RAL9007 Grey aluminium</span> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #404040; margin-right: 5px;"></div> <span>RAL7016 Anthracite grey</span> </div> <div style="display: flex; align-items: center; margin-top: 5px;"> <div style="width: 20px; height: 15px; background-color: #e0e0e0; margin-right: 5px;"></div> <span>RAL9016 Traffic white</span> </div>
Gasket	Silicone CCG® Controlled Compression Gasket
Fasteners	PCS Polymer Coated Stainless Steel Hardware
Ingress protection	IP66
Impact resistance	IK07
Corrosion resistance	5CE
Windage	0.054 m <sup>2</sup>

### Electrical description

Power supply	220-240V / 50-60 Hz
Driver / Ballast	Integral EC electronic converter in thermally-separated compartment
Power factor	> 0.9

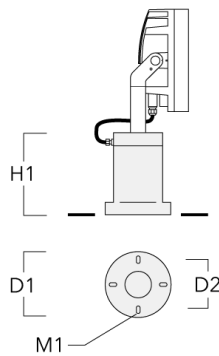
### Additional information

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

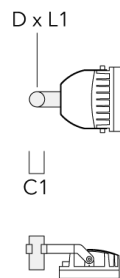
**Short post**

Description	Part ID	D1	D2	H1	M1	Weight (kg)
Short post EM1-M16	270-9038	160	130	203	9	2.10

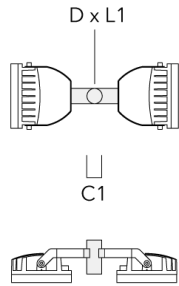


**Floodlight mounting bracket TA**

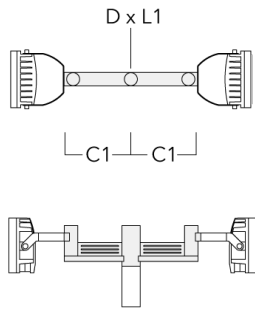
Description	Part ID	A	C1	D x L1	Weight (kg)	D x S
TA1 Mounting bracket, single (Ø 108 x 200)	147-0096		130	108 x 200	7.50	108 x 200



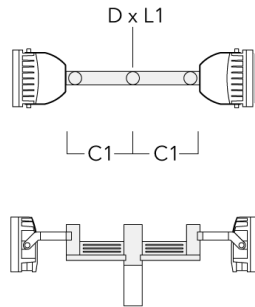
Description	Part ID	A	C1	D × L1	Weight (kg)	D × S
TA2 Mounting bracket, double (Ø 108 x 200)	147-0097		130	108 x 200	7.50	108 x 200



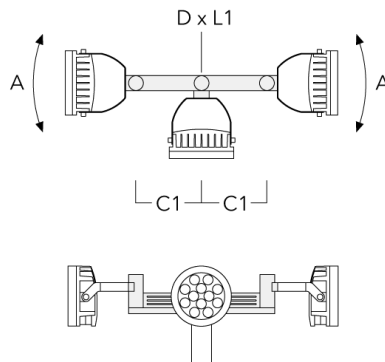
TA2-L Mounting bracket, double (Ø 108 x 200)	147-0148	±90°	420	108 x 200	20.20	108 x 200
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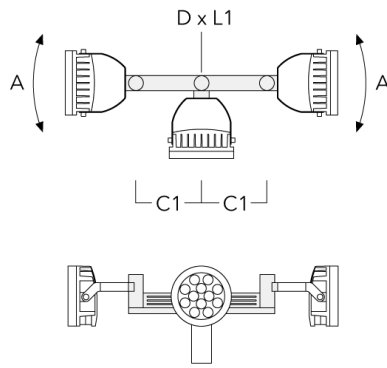
Description	Part ID	A	C1	D x L1	Weight (kg)	D x S
TA2-L Mounting bracket, double (Ø 76 x 200)	147-0105	±90°	420	76 x 200	16.10	76 x 200



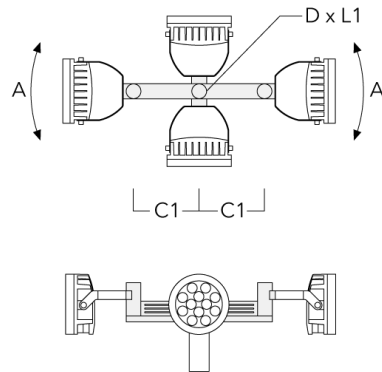
TA3 Mounting bracket, triple (Ø 89 x 200)	147-0025	±90°	650	89 x 200	17.90	89 x 200
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Description	Part ID	A	C1	D x L1	Weight (kg)	D x S
TA3 Mounting bracket, triple (Ø 108 x 200)	147-0098	±90°	650	108 x 200	24.20	108 x 200

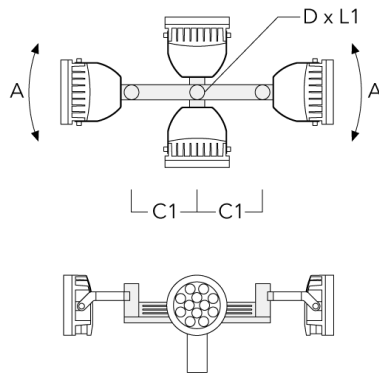


TA4 Mounting bracket, quad (Ø 89 x 200)	147-0099	±90°	650	89 x 200	20.80	89 x 200
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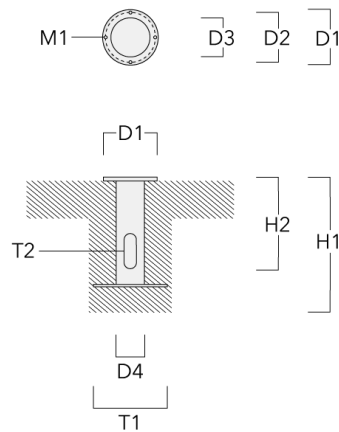
**FLC230 LED**

Description	Part ID	A	C1	D × L1	Weight (kg)	D × S
TA4 Mounting bracket, quad (Ø 108 x 200)	147-0100	±90°	650	108 x 200	24.20	108 x 200



**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



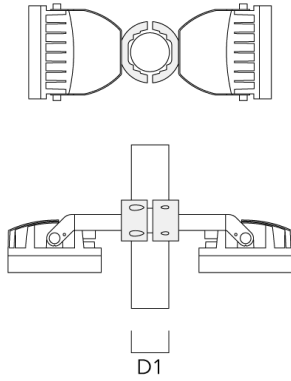
139-1840

FLC230 LED

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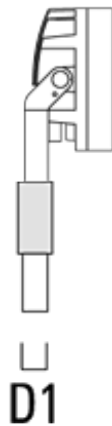
**Pole clamp**

Description	Part ID	D1	Weight (kg)	D
TS2-2/M12 Pole clamp, double (Ø 102-114)	147-0527	102-114	1.50	102-114



**Spigot cap**

Description	Part ID	D1	Weight (kg)
Spigot Cap KF1-M16 (ø 60 x 100)	310-9120	60 x 100	1.40



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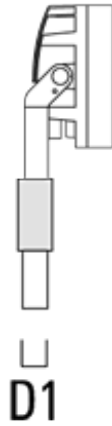
FLC230 LED

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Description	Part ID	D1	Weight (kg)
Spigot Cap KF1-M16 (ø 76 x 100)	310-9121	76 x 100	2.2

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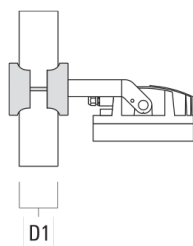
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### Pole clamp SP - Tiltable

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Description	Part ID	D1	Weight (kg)	D
Pole clamp SP1-M16, single (Ø 76-89)	146-0242	76-89	1.30	76-89

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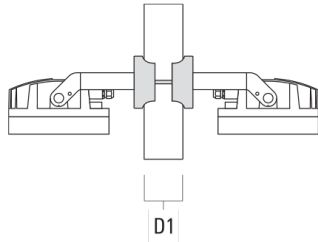
FLC230 LED

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Description	Part ID	D1	Weight (kg)	D
Pole clamp SP2-M16, double (Ø 76-89)	146-0244	76-89	1.50	

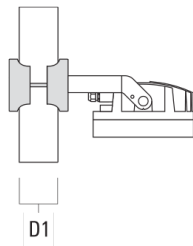
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Pole clamp SP1-M16, single (Ø 38-60)	146-0241	38-60	1.30	
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Pole clamp SP2-M16, double (Ø 38-60)	146-0243	38-60	1.50	
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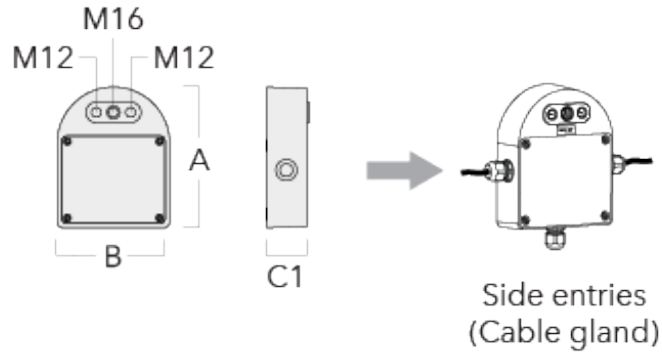
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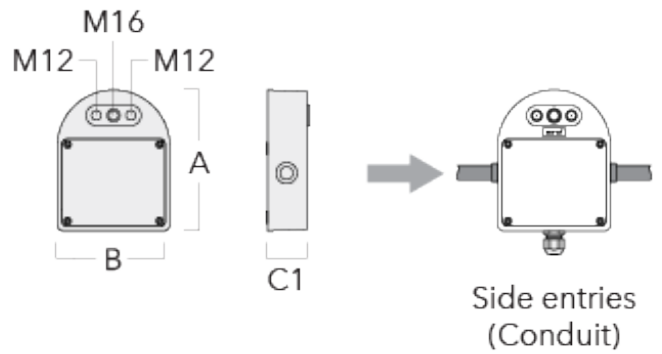
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**Junction box**

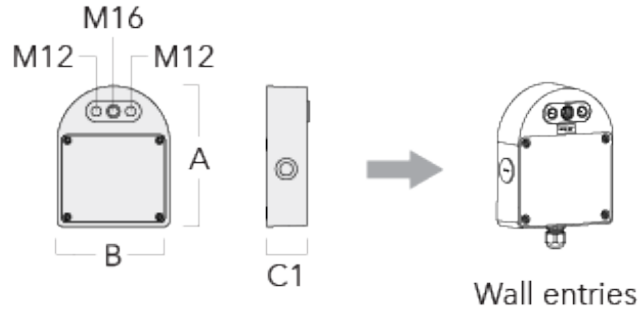
Description	Part ID	Additional information	A	B	C1	Weight (kg)
Junction box JB20 - Cable side entries	310-9013	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with cable glands.	180	143	51	1.02



Junction box JB20 - Conduit side entries	310-9014	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with conduits.	180	143	51	1.02
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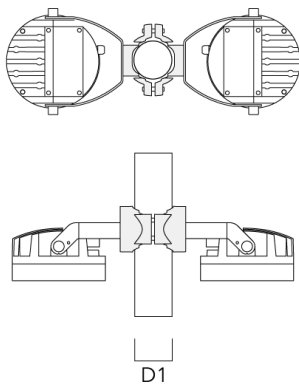


Description	Part ID	Additional information	A	B	C1	Weight (kg)
Junction box JB20 - Wall entries	310-9018	Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For wall entries.	180	143	51	1.02



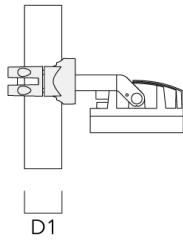
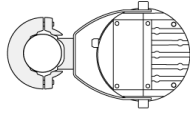
**Pole clamp PC - Rotatable**

Description	Part ID	D1	Weight (kg)
PC2 76-89/60 Pole clamp, double (Ø 76-89)	139-2703	76-89	1.00

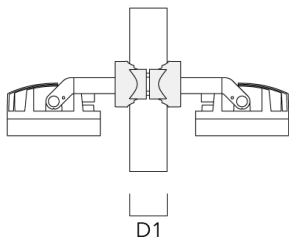
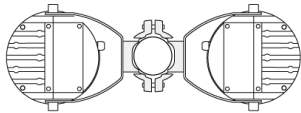


**FLC230 LED**

Description	Part ID	D1	Weight (kg)
PC1 76-89/60 Pole clamp, single (Ø 76-89)	139-2702	76-89	1.00



PC2 102-114/60 Pole clamp, double (Ø 102-114)	139-2707	102-114	1.20
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139-1840

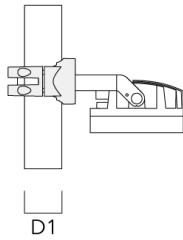
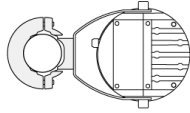
FLC230 LED

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Description	Part ID	D1	Weight (kg)
PC1 102-114/60 Pole clamp, single (Ø 102-114)	139-2706	102-114	1.20

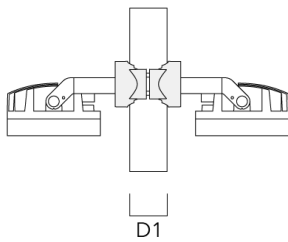
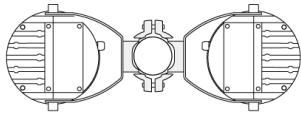
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PC2 114-133/60 Pole clamp, double (Ø 114-133)	139-2709	114-133	1.40
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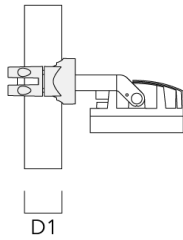
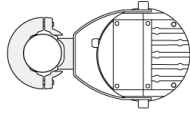
FLC230 LED

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Description	Part ID	D1	Weight (kg)
PC1 114-133/60 Pole clamp, single (Ø 114-133)	139-2708	114-133	1.40

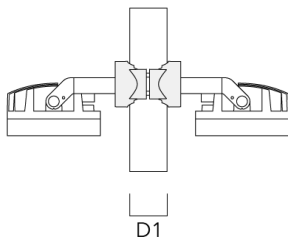
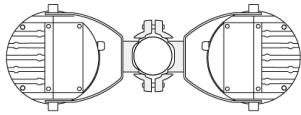
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PC2 82-109/60 Pole camp, double (Ø 82-109)	139-2705	82-109	1.10
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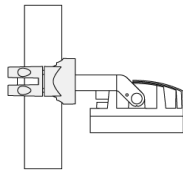
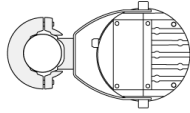
**FLC230 LED**

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Description	Part ID	D1	Weight (kg)
PC1 82-109/60 Pole camp, single (Ø 82-109)	139-2704	82-109	1.10

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D1

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**139-1840**

**FLC230 LED**

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## **Control**

### **1-10 V analogue dimming interface**

Description	Part ID	C
1-10 V analogue dimming interface	430-0011	90

## **R2C Ready to Connect**

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

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139-1840

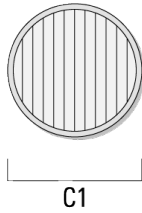
FLC230 LED

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## Optical Accessories

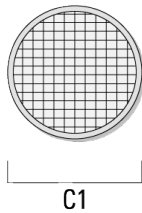
### Linear spread lens

Description	Part ID	C1
Linear spread lens IO-180	139-1849	199



### Flood lens

Description	Part ID	C1
Flood lens IO-360	139-1850	199



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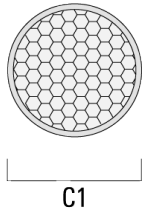
139-1840

FLC230 LED

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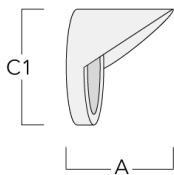
### Honeycomb louvre

Description	Part ID	C1
Honeycomb louvre IW	139-1851	199



### Glare shield

Description	Part ID	A	C1
Glare shield ES	139-1852	159	266



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**139-1840**

**FLC230 LED**

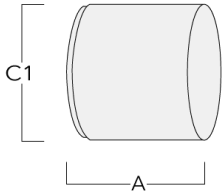
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**Snoot**

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Description	Part ID	A	C1
Snoot ET	139-1853	160	266

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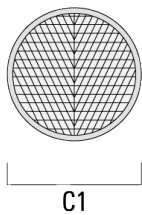
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**Wallwash lens**

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Description	Part ID	C1
Wallwash lens IO-20	139-1848-AP	199

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