



**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. Safety glass lens, hinged. PMMA OLC® optics for superior illumination and glare control.

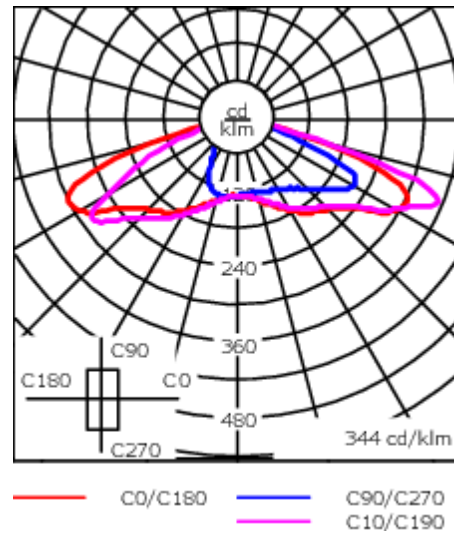
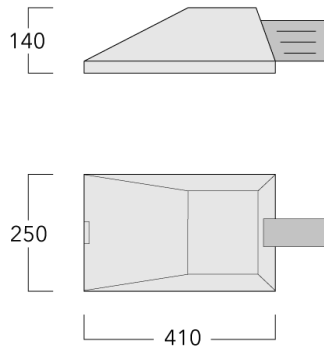
Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering.

Brackets to be ordered separately.

Weight	10.00 kg
Light distribution	rectangular, side throw [R65]
Light source	LED-12/12W / 350 mA - 3000 K
CRI	80
Power supply	EC
LEDs	12
Rated input power	13.9 W

<b>Nominal Lumen (lm)</b>	
LED Lumen	155
Total Lumen	1860
Tj	85

<b>Rated lumens (lm)</b>	
LED Lumen	111.7
Total Lumen	1340.2
Ta	25



## Specifications

### Material description

Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens, hinged
Colours	<div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> <span>RAL9004 Signal black</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="width: 20px; height: 10px; background-color: #cccccc; margin-right: 5px;"></div> <span>RAL9006 White aluminium</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="width: 20px; height: 10px; background-color: #808080; margin-right: 5px;"></div> <span>RAL9007 Grey aluminium</span> </div> <div style="display: flex; align-items: center; margin-bottom: 5px;"> <div style="width: 20px; height: 10px; background-color: #333333; margin-right: 5px;"></div> <span>RAL7016 Anthracite grey</span> </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; 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	IK08
Corrosion resistance	5CE
Windage	0.042 m <sup>2</sup>

### 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)

**108-1775**

**PFL230 LED**

**we-ef**

**Additional information**

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Lifetime Ta=25° L90B10 > 90000h

Energy efficiency class C-D (Light source)

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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

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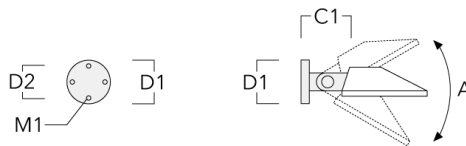
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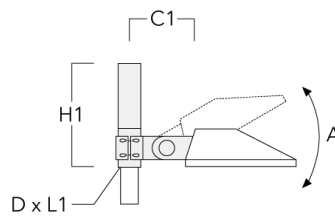
**Mounting Accessories**

**Wall and pole brackets KI**

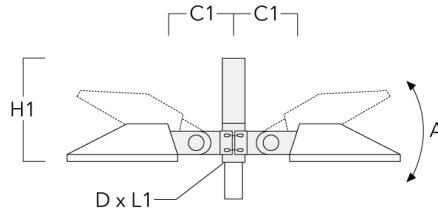
Description	Part ID	A	C1	D1	D2	D × L1	H1	M1	Weight (kg)	Alpha	C	D	H
KI0-230 Wall bracket	108-0430	±30°	210	180	148			6.5	3.00	± 3°	210	180	180



KI1-230 Pole bracket, single	108-0431	±30°	210			76 x 80	475		4.30	± 3°	210		475
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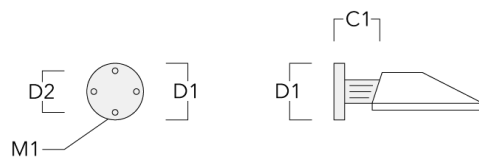


Description	Part ID	A	C1	D1	D2	D × L1	H1	M1	Weight (kg)	Alpha	C	D	H
KI2-230 Pole bracket, double	108-0432	±30°	210			76 x 80	475		6	± 3°	210		475

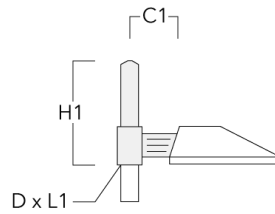


**Wall and pole brackets KP**

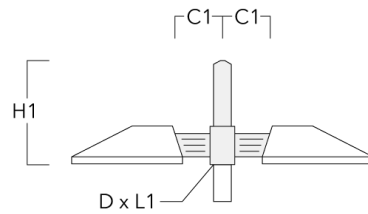
Description	Part ID	C1	D1	D2	D × L1	H1	M1	Weight (kg)	C	D	H
KP0-230 Wall bracket	108-0433	195	180	140			12	1.50	175	180	180



Description	Part ID	C1	D1	D2	D x L1	H1	M1	Weight (kg)	C	D	H
KP1-230 Pole bracket, single	108-0434	210			76 x 80	525		3.60	175		525

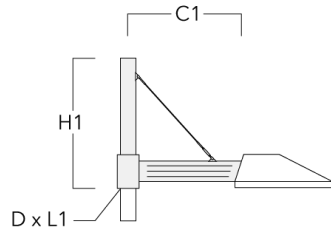


KP2-230 Pole bracket, double	108-0435	210			76 x 80	525		4.30	175		525
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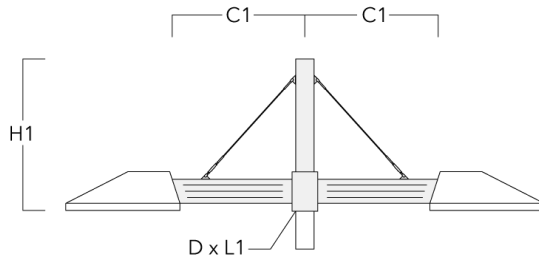


**Pole brackets KP\_L**

Description	Part ID	C1	D x L1	H1	Weight (kg)	C	H
KP1-L-230 Pole bracket, single	108-0713	450	76 x 130	525	6.30	175	525



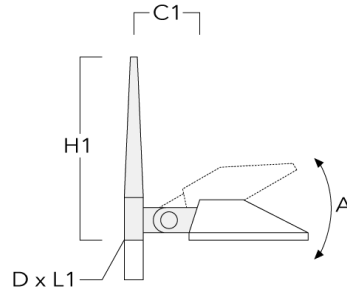
KP2-L-230 Pole bracket, double	108-0714	450	76 x 130	525	9.50	175	525
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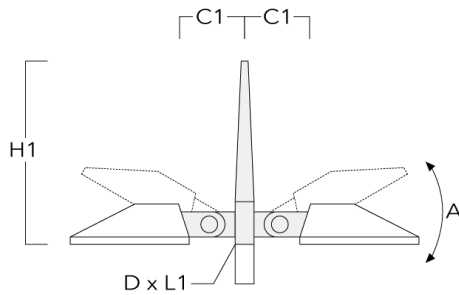


**Pole brackets KY**

Description	Part ID	A	C1	D x L1	H1	Weight (kg)	Alpha	C	H
KY1-230 Pole bracket, single	108-0496	±30°	210	76 x 80	730	8.20	± 3°	210	525



KY2-230 Pole bracket, double	108-0497	±30°	210	76 x 80	730	9.40	± 3°	210	525
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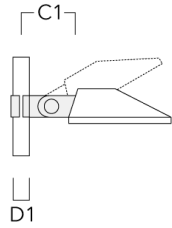
108-1775

PFL230 LED

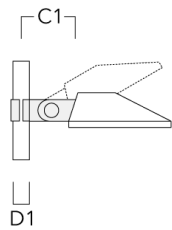
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**Pole clamp SI**

Description	Part ID	C1	D1	Weight (kg)	C
SI1-230 Pole clamp, single (Ø 76-89)	108-0478	210	76-89	2.90	210

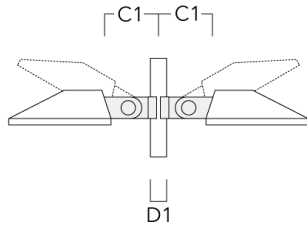


SI1-230 Pole clamp, single (Ø 102-114)	108-0479	210	102-114	3.10	210
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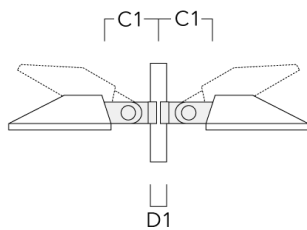


**PFL230 LED**

Description	Part ID	C1	D1	Weight (kg)	C
SI2-230 Pole clamp, double (Ø 76-89)	108-0480	210	76-89	4.50	210



SI2-230 Pole clamp, double (Ø 102-114)	108-0481	210	102-114	4.70	210
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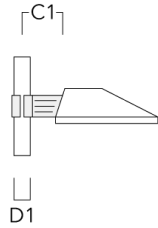
108-1775

PFL230 LED

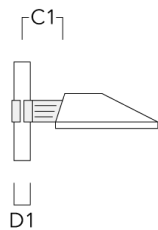
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**Pole clamp SK**

Description	Part ID	C1	D1	Weight (kg)	C
SK1-230 Pole clamp, single (Ø 76-89)	108-0474	175	76-89	2.10	175



SK1-230 Pole clamp, single (Ø 102-114)	108-0475	175	102-114	2.40	175
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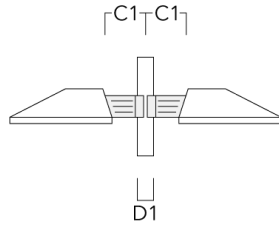
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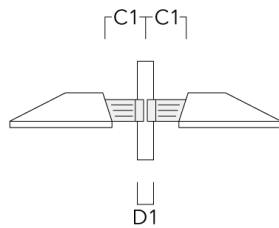
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**PFL230 LED**

Description	Part ID	C1	D1	Weight (kg)	C
SK2-230 Pole clamp, double (Ø 76-89)	108-0476	175	76-89	2.90	175



SK2-230 Pole clamp, double (Ø 102-114)	108-0477	175	102-114	3.20	175
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**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.