

**PFL230 LED**

**Pole mounted**

***we-ef***



**WE-EF LEUCHTEN GmbH**

Töpinger Straße 16, 29646 Bispingen, Germany - Phone: +49 5194 909-0

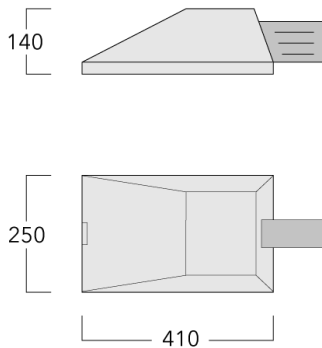
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# PFL230 LED

Pole mounted

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## 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.

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# PFL230 LED






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## Specifications

### Material description

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Body	Marine-grade, die-cast aluminium alloy
Lens	Safety glass lens, hinged
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	0.042 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. DALI
Power factor	> 0.9
Surge protection	6/6 kV (optional SP10)

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### Additional information

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

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
# PFL230 LED


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## Options

### Light distribution


 asymmetric, side throw beam [S65]


 rectangular, side throw [R65]

 asymmetric, forward throw [A60]

 pedestrian/bicycle lane [P65]

### Colour temperature

 3000 K

 4000 K

 2700 K

### Nominal Watt

14 W

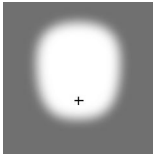
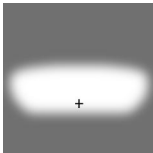
21 W

0 W

28 W

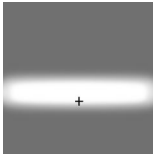
43 W

## Configurations

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
asymmetric, forward throw [A60] 	108-1624	LED-12/24W / 700 mA - 3000 K	2606.4	27 W	80	10.00
	108-1624-70	LED-12/24W / 700 mA - 3000 K	2965.9	27 W	70	10.00
	108-1629	LED-12/24W / 700 mA - 4000 K	2786.2	27 W	80	10.00
	108-1629-70	LED-12/24W / 700 mA - 4000 K	3145.7	27 W	70	10.00
	108-1727	LED-18/36W / 700 mA - 3000 K	3909.6	41 W	80	10.00
	108-1727-70	LED-18/36W / 700 mA - 3000 K	4448.9	41 W	70	10.00
	108-1728	LED-18/36W / 700 mA - 4000 K	4179.3	41 W	80	10.00
	108-1728-70	LED-18/36W / 700 mA - 4000 K	4718.5	41 W	70	10.00
	108-1777	LED-12/12W / 350 mA - 3000 K	1434.9	13.9 W	80	10.00
	108-1777-70	LED-12/12W / 350 mA - 3000 K	1666.3	13.9 W	70	10.00
	108-1778	LED-12/12W / 350 mA - 4000 K	1573.7	13.9 W	80	10.00
	108-1778-70	LED-12/12W / 350 mA - 4000 K	1758.9	13.9 W	70	10.00
	108-1785	LED-18/18W / 350 mA - 3000 K	2152.3	21 W	80	10.00
	108-1785-70	LED-18/18W / 350 mA - 3000 K	2499.4	21 W	70	10.00
	108-1786	LED-18/18W / 350 mA - 4000 K	2360.6	21 W	80	10.00
	108-1786-70	LED-18/18W / 350 mA - 4000 K	2638.3	21 W	70	10.00
	108-2496	LED-12/12W / 350 mA - 2700 K	1342.3	13.9 W	80	10.00
	108-2496-70	LED-12/12W / 350 mA - 2700 K	1434.9	13.9 W	70	10.00
	108-2497	LED-12/24W / 700 mA - 2700 K	2426.7	27 W	80	10.00
	108-2497-70	LED-12/24W / 700 mA - 2700 K	2606.4	27 W	70	10.00
108-2498	LED-18/18W / 350 mA - 2700 K	2013.4	21 W	80	10.00	
108-2498-70	LED-18/18W / 350 mA - 2700 K	2152.3	21 W	70	10.00	
108-2499	LED-18/36W / 700 mA - 2700 K	3640	41 W	80	10.00	
108-2499-70	LED-18/36W / 700 mA - 2700 K	3909.6	41 W	70	10.00	
asymmetric, side throw beam [S65] 	108-1627	LED-12/24W / 700 mA - 3000 K	2780.3	27 W	80	10.00
	108-1627-70	LED-12/24W / 700 mA - 3000 K	3163.8	27 W	70	10.00
	108-1632	LED-12/24W / 700 mA - 4000 K	2972.1	27 W	80	10.00
	108-1632-70	LED-12/24W / 700 mA - 4000 K	3355.6	27 W	70	10.00
	108-1723	LED-18/36W / 700 mA - 3000 K	4170.5	41 W	80	10.00
	108-1723-70	LED-18/36W / 700 mA - 3000 K	4745.7	41 W	70	10.00
	108-1724	LED-18/36W / 700 mA - 4000 K	4458.1	41 W	80	10.00
	108-1724-70	LED-18/36W / 700 mA - 4000 K	5033.3	41 W	70	10.00
	108-1773	LED-12/12W / 350 mA - 3000 K	1530.6	13.9 W	80	10.00
	108-1773-70	LED-12/12W / 350 mA - 3000 K	1777.5	13.9 W	70	10.00
	108-1774	LED-12/12W / 350 mA - 4000 K	1678.7	13.9 W	80	10.00

# PFL230 LED

## Pole mounted

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
	108-1774-70	LED-12/12W / 350 mA - 4000 K	1876.2	13.9 W	70	10.00
	108-1781	LED-18/18W / 350 mA - 3000 K	2295.9	21 W	80	10.00
	108-1781-70	LED-18/18W / 350 mA - 3000 K	2666.2	21 W	70	10.00
	108-1782	LED-18/18W / 350 mA - 4000 K	2518.1	21 W	80	10.00
	108-1782-70	LED-18/18W / 350 mA - 4000 K	2814.3	21 W	70	10.00
	108-2488	LED-12/12W / 350 mA - 2700 K	1431.8	13.9 W	80	10.00
	108-2488-70	LED-12/12W / 350 mA - 2700 K	1530.6	13.9 W	70	10.00
	108-2489	LED-12/24W / 700 mA - 2700 K	2588.6	27 W	80	10.00
	108-2489-70	LED-12/24W / 700 mA - 2700 K	2780.3	27 W	70	10.00
	108-2490	LED-18/18W / 350 mA - 2700 K	2147.8	21 W	80	10.00
	108-2490-70	LED-18/18W / 350 mA - 2700 K	2295.9	21 W	70	10.00
	108-2491	LED-18/36W / 700 mA - 2700 K	3882.9	41 W	80	10.00
	108-2491-70	LED-18/36W / 700 mA - 2700 K	4170.5	41 W	70	10.00
pedestrian/bicycle lane [P65]	108-1625	LED-12/24W / 700 mA - 3000 K	2634.7	27 W	80	10.00
	108-1625-70	LED-12/24W / 700 mA - 3000 K	2998.1	27 W	70	10.00
	108-1630	LED-12/24W / 700 mA - 4000 K	2816.4	27 W	80	10.00
	108-1630-70	LED-12/24W / 700 mA - 4000 K	3179.8	27 W	70	10.00
	108-1729	LED-18/36W / 700 mA - 3000 K	3952	41 W	80	10.00
	108-1729-70	LED-18/36W / 700 mA - 3000 K	4497.2	41 W	70	10.00
	108-1730	LED-18/36W / 700 mA - 4000 K	4224.6	41 W	80	10.00
	108-1730-70	LED-18/36W / 700 mA - 4000 K	4769.7	41 W	70	10.00
	108-1779	LED-12/12W / 350 mA - 3000 K	1450.4	13.9 W	80	10.00
	108-1779-70	LED-12/12W / 350 mA - 3000 K	1684.4	13.9 W	70	10.00
	108-1780	LED-12/12W / 350 mA - 4000 K	1590.8	13.9 W	80	10.00
	108-1780-70	LED-12/12W / 350 mA - 4000 K	1777.9	13.9 W	70	10.00
	108-1787	LED-18/18W / 350 mA - 3000 K	2175.6	21 W	80	10.00
	108-1787-70	LED-18/18W / 350 mA - 3000 K	2526.5	21 W	70	10.00
	108-1788	LED-18/18W / 350 mA - 4000 K	2386.2	21 W	80	10.00
	108-1788-70	LED-18/18W / 350 mA - 4000 K	2666.9	21 W	70	10.00
	108-2500	LED-12/12W / 350 mA - 2700 K	1356.8	13.9 W	80	10.00
	108-2500-70	LED-12/12W / 350 mA - 2700 K	1450.4	13.9 W	70	10.00
	108-2501	LED-12/24W / 700 mA - 2700 K	2453	27 W	80	10.00
	108-2501-70	LED-12/24W / 700 mA - 2700 K	2634.7	27 W	70	10.00
	108-2502	LED-18/18W / 350 mA - 2700 K	2035.3	21 W	80	10.00
	108-2502-70	LED-18/18W / 350 mA - 2700 K	2175.6	21 W	70	10.00
	108-2503	LED-18/36W / 700 mA - 2700 K	3679.5	41 W	80	10.00

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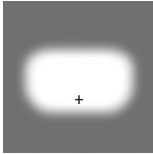
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# PFL230 LED

## Pole mounted

Light distribution	Part ID	Light source	Rated lumens	Rated input power	CRI	Weight (kg)
rectangular, side throw [R65] 	108-2503-70	LED-18/36W / 700 mA - 2700 K	3952	41 W	70	10.00
	108-1622	LED-12/24W / 700 mA - 3000 K	2434.4	27 W	80	10.00
	108-1622-70	LED-12/24W / 700 mA - 3000 K	2770.2	27 W	70	10.00
	108-1623	LED-12/24W / 700 mA - 4000 K	2602.3	27 W	80	10.00
	108-1623-70	LED-12/24W / 700 mA - 4000 K	2938.1	27 W	70	10.00
	108-1725	LED-18/36W / 700 mA - 3000 K	3651.7	41 W	80	10.00
	108-1725-70	LED-18/36W / 700 mA - 3000 K	4155.3	41 W	70	10.00
	108-1726	LED-18/36W / 700 mA - 4000 K	3903.5	41 W	80	10.00
	108-1726-70	LED-18/36W / 700 mA - 4000 K	4407.2	41 W	70	10.00
	108-1775	LED-12/12W / 350 mA - 3000 K	1340.2	13.9 W	80	10.00
	108-1775-70	LED-12/12W / 350 mA - 3000 K	1556.4	13.9 W	70	10.00
	108-1776	LED-12/12W / 350 mA - 4000 K	1469.9	13.9 W	80	10.00
	108-1776-70	LED-12/12W / 350 mA - 4000 K	1642.8	13.9 W	70	10.00
	108-1783	LED-18/18W / 350 mA - 3000 K	2010.3	21 W	80	10.00
	108-1783-70	LED-18/18W / 350 mA - 3000 K	2334.5	21 W	70	10.00
	108-1784	LED-18/18W / 350 mA - 4000 K	2204.8	21 W	80	10.00
	108-1784-70	LED-18/18W / 350 mA - 4000 K	2464.2	21 W	70	10.00
	108-2492	LED-12/12W / 350 mA - 2700 K	1253.7	13.9 W	80	10.00
	108-2492-70	LED-12/12W / 350 mA - 2700 K	1340.2	13.9 W	70	10.00
	108-2493	LED-12/24W / 700 mA - 2700 K	2266.5	27 W	80	10.00
	108-2493-70	LED-12/24W / 700 mA - 2700 K	2434.4	27 W	70	10.00
	108-2494	LED-18/18W / 350 mA - 2700 K	1880.6	21 W	80	10.00
	108-2494-70	LED-18/18W / 350 mA - 2700 K	2010.3	21 W	70	10.00
	108-2495	LED-18/36W / 700 mA - 2700 K	3399.8	41 W	80	10.00
	108-2495-70	LED-18/36W / 700 mA - 2700 K	3651.7	41 W	70	10.00

# PFL230 LED

Pole mounted

## Control

### Eco Step Dim® Basic

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

### Eco Step Dim® Advanced

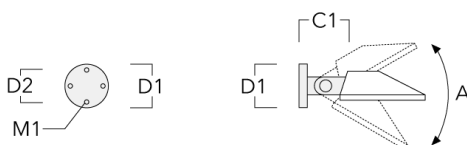
Description	Part ID
Eco Step Dim® Advanced LED	430-0002



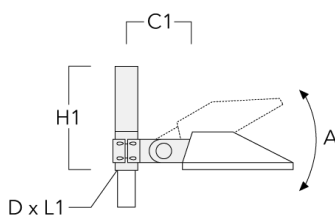
**Mounting Accessories**

**Wall and pole brackets KI**

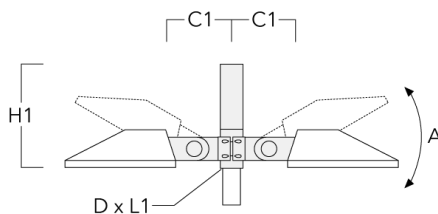
Description	Part ID	A	C1	D1	D2	D × L1	H1	M1	Weight (kg)	Alpha	C	D	H
KI0-230 Wall bracket	108-0430	±30°	210	180	148			6.5	3.00	± 3°	210	180	180



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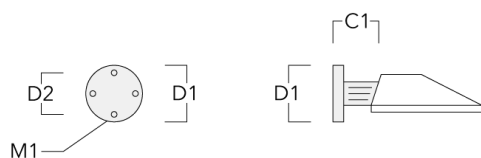


Description	Part ID	A	C1	D1	D2	D × L1	H1	M1	Weight (kg)	Alpha	C	D	H
KI2-230 Pole bracket, double	108-0432	±30°	210			76 x 80	475		6	± 3°	210		475



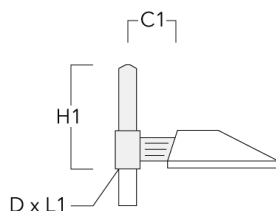
**Wall and pole brackets KP**

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

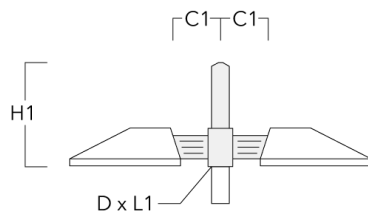


**Pole mounted**

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**

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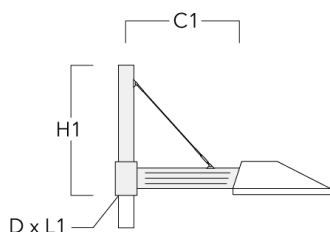
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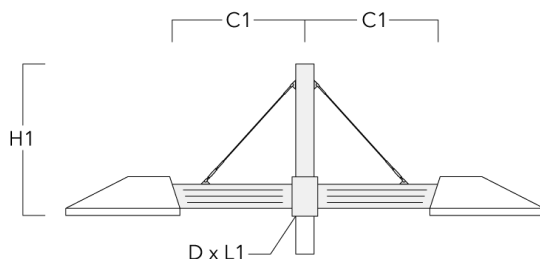
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**Pole mounted**

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**

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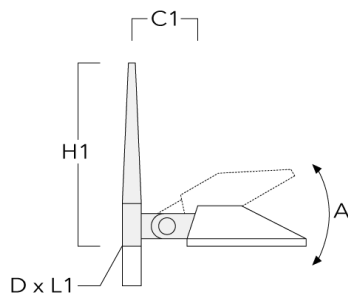
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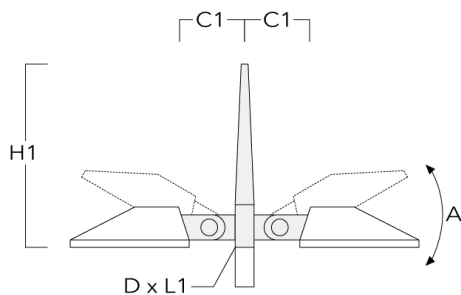
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**Pole mounted**

Description	Part ID	A	C1	D × 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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**Pole clamp SI**

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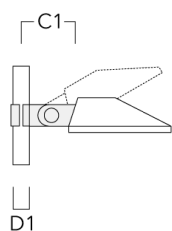
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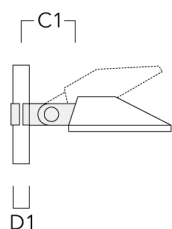
# PFL230 LED

## Pole mounted

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



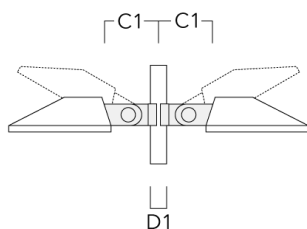
SI1-230 Pole clamp, single (Ø 102-114)	108-0479	210	102-114	3.10	210
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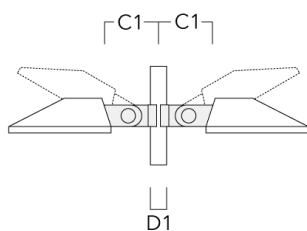
# PFL230 LED

## Pole mounted

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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## Pole clamp SK

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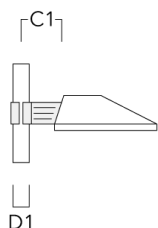
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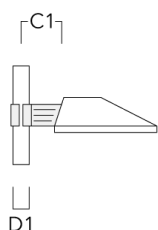
# PFL230 LED

## Pole mounted

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



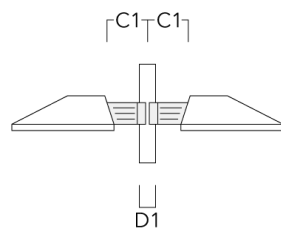
SK1-230 Pole clamp, single (Ø 102-114)	108-0475	175	102-114	2.40	175
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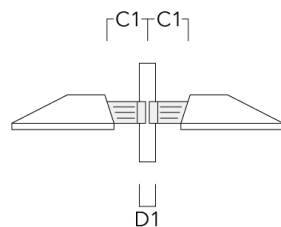


**Pole mounted**

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.

**PFL230 LED**

**Pole mounted**

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Subject to technical changes and errors.

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