

108-1786

PFL230 LED

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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.

| | |
|--------------------|---------------------------------|
| Weight | 10.00 kg |
| Light distribution | asymmetric, forward throw [A60] |
| Light source | LED-18/18W / 350 mA - 4000 K |
| CRI | 80 |
| Power supply | EC |
| LEDs | 18 |
| Rated input power | 21 W |

Nominal Lumen (lm)

| | |
|-------------|------|
| LED Lumen | 170 |
| Total Lumen | 3060 |
| Tj | 85 |

Rated lumens (lm)

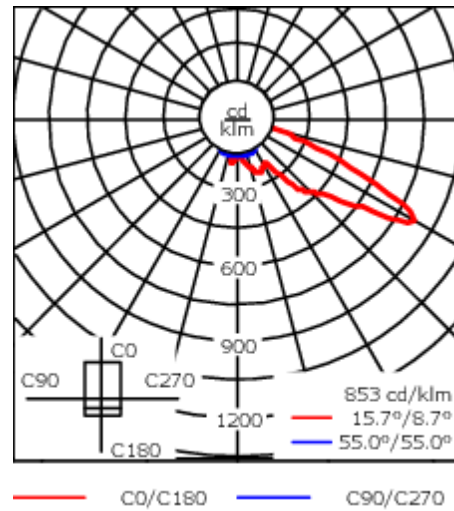
| | |
|-------------|--------|
| LED Lumen | 131.1 |
| Total Lumen | 2360.6 |
| Ta | 25 |

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Specifications

Material description

| | |
|----------------------|---|
| Body | Marine-grade, die-cast aluminium alloy |
| Lens | Safety glass lens, hinged |
| Colours | <div style="display: flex; align-items: center; gap: 10px;"> <div style="width: 20px; height: 15px; background-color: black; margin-bottom: 5px;"></div> RAL9004 Signal black </div> <div style="display: flex; align-items: center; gap: 10px; margin-bottom: 5px;"> <div style="width: 20px; height: 15px; background-color: #cccccc; margin-bottom: 5px;"></div> RAL9006 White aluminium </div> <div style="display: flex; align-items: center; gap: 10px; margin-bottom: 5px;"> <div style="width: 20px; height: 15px; background-color: #808080; margin-bottom: 5px;"></div> RAL9007 Grey aluminium </div> <div style="display: flex; align-items: center; gap: 10px; margin-bottom: 5px;"> <div style="width: 20px; height: 15px; background-color: #333333; margin-bottom: 5px;"></div> RAL7016 Anthracite grey </div> <div style="display: flex; align-items: center; gap: 10px;"> <div style="width: 20px; height: 15px; background-color: #e0e0e0; margin-bottom: 5px;"></div> RAL9016 Traffic white </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 ² |

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) |

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Additional information

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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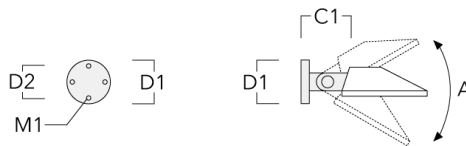
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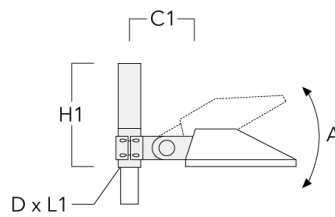
Mounting Accessories

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 |

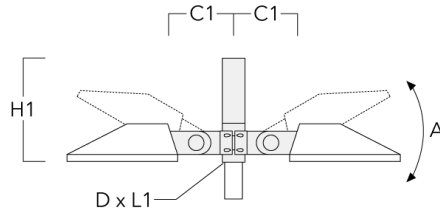


| | | | | | | | | | | | | | |
|------------------------------|----------|------|-----|--|--|---------|-----|--|------|------|-----|--|-----|
| KI1-230 Pole bracket, single | 108-0431 | ±30° | 210 | | | 76 x 80 | 475 | | 4.30 | ± 3° | 210 | | 475 |
|------------------------------|----------|------|-----|--|--|---------|-----|--|------|------|-----|--|-----|



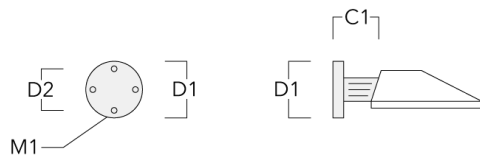
PFL230 LED

| 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 |



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

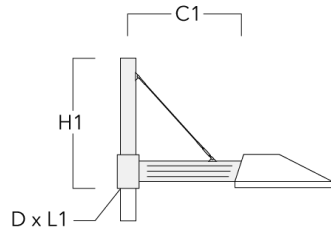


| | | | | | | | | | | | |
|------------------------------|----------|-----|--|--|---------|-----|--|------|-----|--|-----|
| KP2-230 Pole bracket, double | 108-0435 | 210 | | | 76 x 80 | 525 | | 4.30 | 175 | | 525 |
|------------------------------|----------|-----|--|--|---------|-----|--|------|-----|--|-----|

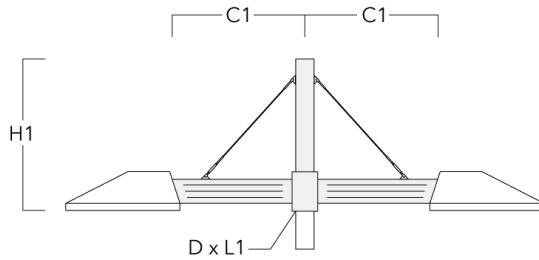


Pole brackets KP_L

| 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 |

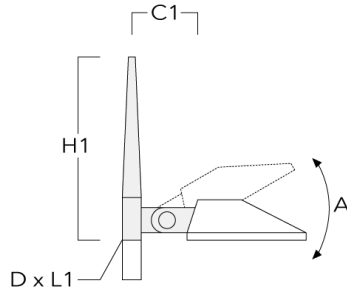


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|--------------------------------|----------|-----|----------|-----|------|-----|-----|
| KP2-L-230 Pole bracket, double | 108-0714 | 450 | 76 x 130 | 525 | 9.50 | 175 | 525 |
|--------------------------------|----------|-----|----------|-----|------|-----|-----|

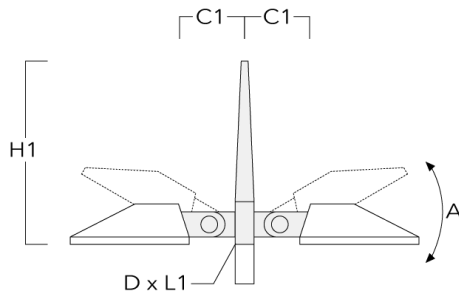


Pole brackets KY

| 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 |
|------------------------------|----------|------|-----|---------|-----|------|------|-----|-----|



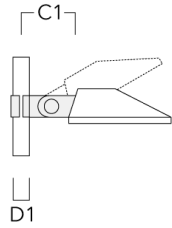
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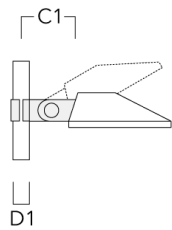
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Pole clamp SI

| 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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| 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 |
|--|----------|-----|---------|------|-----|



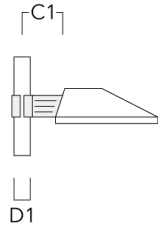
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Pole clamp SK

| 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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| 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. |