



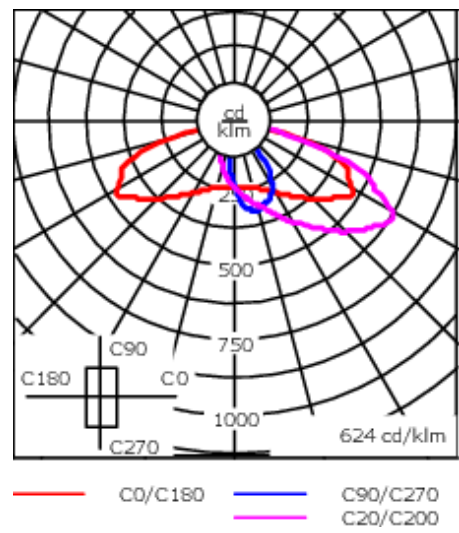
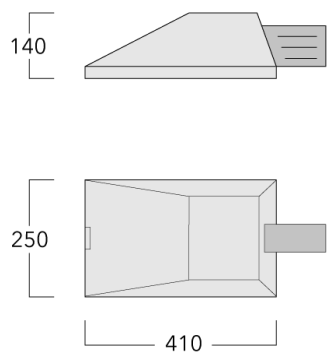
Description

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 | pedestrian/bicycle lane [P65] |
| Light source       | LED-12/24W / 700 mA - 4000 K  |
| CRI                | 80                            |
| Power supply       | EC                            |
| LEDs               | 12                            |
| Rated input power  | 27 W                          |
| Nominal Lumen (lm) |                               |
| LED Lumen          | 310                           |
| Total Lumen        | 3720                          |
| Tj                 | 85                            |
| Rated lumens (lm)  |                               |
| LED Lumen          | 234.7                         |
| Total Lumen        | 2816.4                        |
| Ta                 | 25                            |



Specifications  
Material description

|                      |                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body                 | Marine-grade, die-cast aluminium alloy                                                                                                                                                                                               |
| Lens                 | Safety glass lens, hinged                                                                                                                                                                                                            |
| Colours              | <div><div></div> RAL9004 Signal black</div> <div><div></div> RAL9006 White aluminium</div> <div><div></div> RAL9007 Grey aluminium</div> <div><div></div> RAL7016 Anthracite grey</div> <div><div></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 <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)                 |

Additional information

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

Control

Eco Step Dim® Basic

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

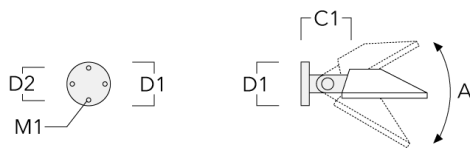
Eco Step Dim® Advanced

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

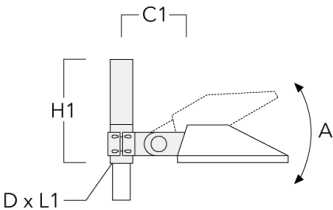
Mounting Accessories

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 |

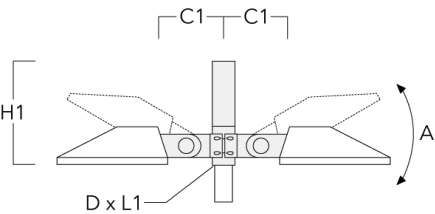


|                              |          |      |     |  |  |         |     |  |      |      |     |  |     |
|------------------------------|----------|------|-----|--|--|---------|-----|--|------|------|-----|--|-----|
| KI1-230 Pole bracket, single | 108-0431 | ±30° | 210 |  |  | 76 x 80 | 475 |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



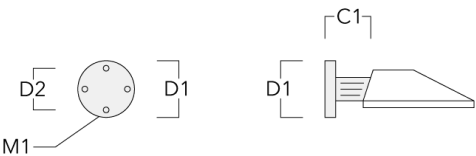
PFL230 LED

| 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 |



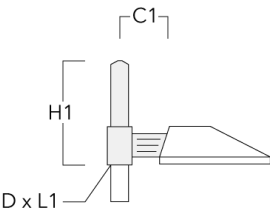
Wall and pole brackets KP

| 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 |

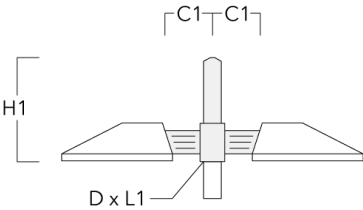


PFL230 LED

| 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 |

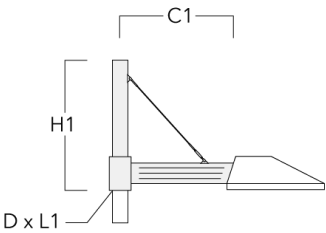


|                              |          |     |  |  |         |     |  |      |     |  |     |
|------------------------------|----------|-----|--|--|---------|-----|--|------|-----|--|-----|
| KP2-230 Pole bracket, double | 108-0435 | 210 |  |  | 76 x 80 | 525 |  | 4.30 | 175 |  | 525 |
|------------------------------|----------|-----|--|--|---------|-----|--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

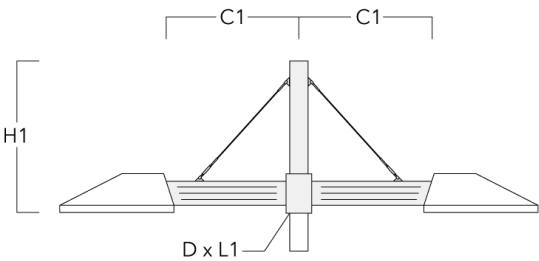


Pole brackets KP\_L

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



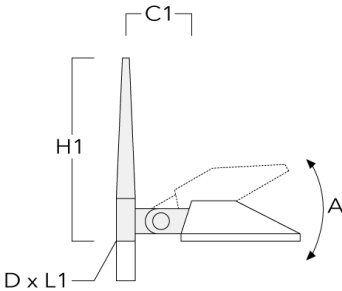
|                                |          |     |          |     |      |     |     |
|--------------------------------|----------|-----|----------|-----|------|-----|-----|
| KP2-L-230 Pole bracket, double | 108-0714 | 450 | 76 x 130 | 525 | 9.50 | 175 | 525 |
|--------------------------------|----------|-----|----------|-----|------|-----|-----|



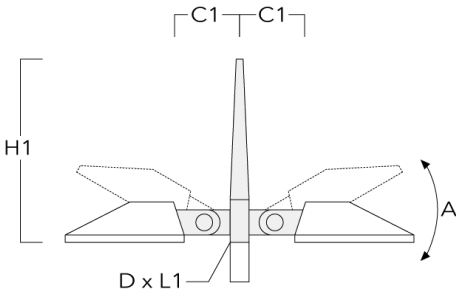


Pole brackets KY

| 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 |

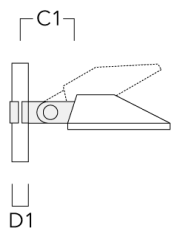


|                              |          |      |     |         |     |      |      |     |     |
|------------------------------|----------|------|-----|---------|-----|------|------|-----|-----|
| KY2-230 Pole bracket, double | 108-0497 | ±30° | 210 | 76 x 80 | 730 | 9.40 | ± 3° | 210 | 525 |
|------------------------------|----------|------|-----|---------|-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

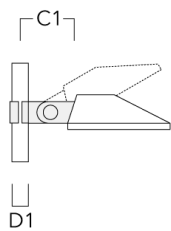


Pole clamp SI

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

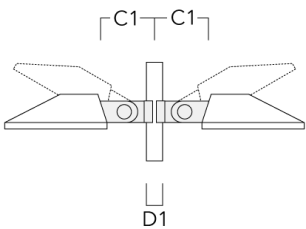


|                                        |          |     |         |      |     |
|----------------------------------------|----------|-----|---------|------|-----|
| SI1-230 Pole clamp, single (Ø 102-114) | 108-0479 | 210 | 102-114 | 3.10 | 210 |
|----------------------------------------|----------|-----|---------|------|-----|

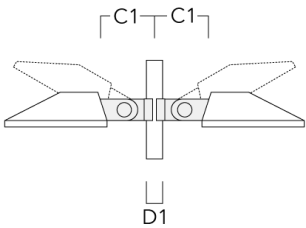


PFL230 LED

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

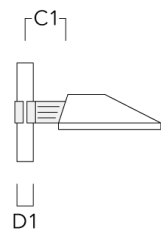


|                                        |          |     |         |      |     |
|----------------------------------------|----------|-----|---------|------|-----|
| SI2-230 Pole clamp, double (Ø 102-114) | 108-0481 | 210 | 102-114 | 4.70 | 210 |
|----------------------------------------|----------|-----|---------|------|-----|

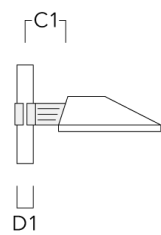


Pole clamp SK

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

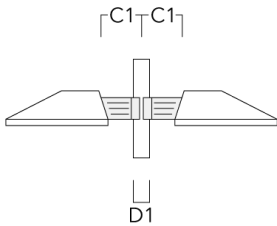


|                                        |          |     |         |      |     |
|----------------------------------------|----------|-----|---------|------|-----|
| SK1-230 Pole clamp, single (Ø 102-114) | 108-0475 | 175 | 102-114 | 2.40 | 175 |
|----------------------------------------|----------|-----|---------|------|-----|

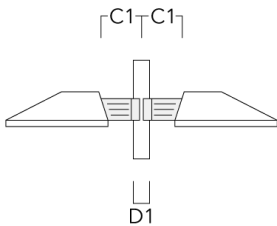


PFL230 LED

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



Optical Accessories

Light shield

| Description | Part ID  | Additional information                                                                                                                                                                          |
|-------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LS180-[A60] | 430-0038 | Light shield LS180 to greatly reduce or eliminate light pollution.<br>PA injection moulded component, black matt.<br>Suitable for asymmetric light distribution [A60].                          |
| LS180       | 430-0029 | Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit.<br>Suitable for [S60], [S65], [S70], [R65], [P65] lenses. Must be specified at time of ordering. |