

FLC230 LED



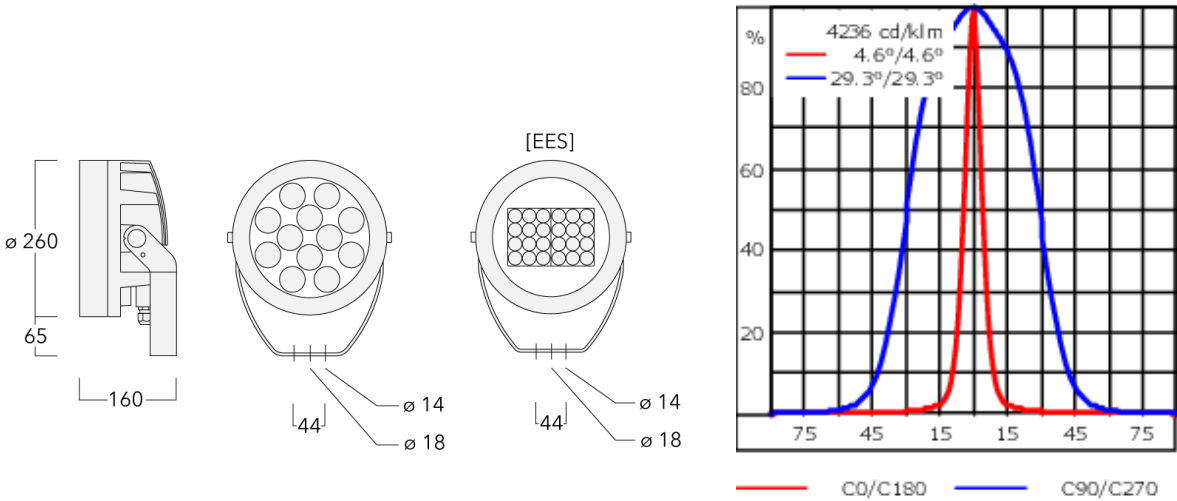
Description

IP66, Class I. Class II on request.  
IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. One cable gland. Second gland for through wiring on request. Integral EC electronic converter, thermally separated. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. 1-10V, DALI Interface or Eco Step Dim® on request. Maximum one internal optical accessory possible.

Optional 2200 K version up to max. 1050mA available, except version [EES]. To be specified at time of ordering.

|                    |                                      |
|--------------------|--------------------------------------|
| Weight             | 7.60 kg                              |
| Light distribution | linear spread, very narrow beam [EE] |
| Light source       | LED-12/36W / 1050 mA - 3000 K        |
| CRI                | 80                                   |
| Power supply       | EC                                   |
| LEDs               | 12                                   |
| Rated input power  | 40 W                                 |
| Nominal Lumen (lm) |                                      |
| LED Lumen          | 430                                  |
| Total Lumen        | 5160                                 |
| Tj                 | 85                                   |
| Rated lumens (lm)  |                                      |
| LED Lumen          | 367.5                                |
| Total Lumen        | 4409.6                               |
| Ta                 | 25                                   |

FLC230 LED



Specifications  
Material description

|                      |                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body                 | Marine-grade, die-cast aluminium alloy                                                                                                                                                                                               |
| Lens                 | Safety glass lens                                                                                                                                                                                                                    |
| 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    | IK07                                                                                                                                                                                                                                 |
| Corrosion resistance | 5CE                                                                                                                                                                                                                                  |
| Windage              | 0.054 m <sup>2</sup>                                                                                                                                                                                                                 |

Electrical description

|                  |                                                                                 |
|------------------|---------------------------------------------------------------------------------|
| Power supply     | 220-240V / 50-60 Hz                                                             |
| Driver / Ballast | Standard. Optional DALI version available. To be specified at time of ordering. |
| Power factor     | > 0.9                                                                           |
| Surge protection | 6/6 kV (SP10 optional)                                                          |

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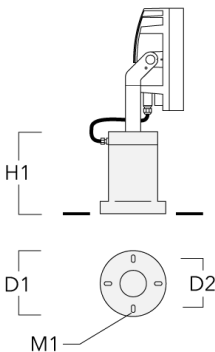
Additional information

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

Mounting Accessories

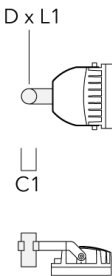
Short post EM

| Description | Part ID  | D1  | D2  | H1  | M1 | Weight (kg) |
|-------------|----------|-----|-----|-----|----|-------------|
| EM1-M16 AL  | 270-9038 | 160 | 130 | 203 | 9  | 2           |



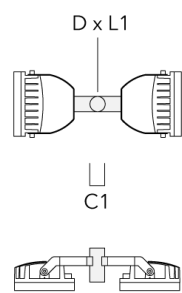
Floodlight mounting bracket TA

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

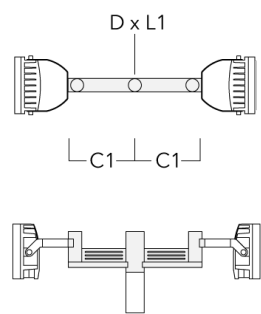


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| Description                                | Part ID  | A | C1  | D × L1    | Weight (kg) | D × S     |
|--------------------------------------------|----------|---|-----|-----------|-------------|-----------|
| TA2 Mounting bracket, double (Ø 108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

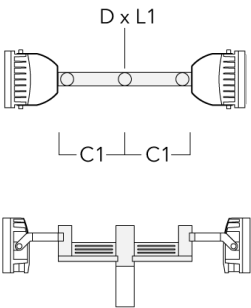


|                                              |          |      |     |           |       |           |
|----------------------------------------------|----------|------|-----|-----------|-------|-----------|
| TA2-L Mounting bracket, double (Ø 108 x 200) | 147-0148 | ±90° | 420 | 108 x 200 | 20.20 | 108 x 200 |
|----------------------------------------------|----------|------|-----|-----------|-------|-----------|

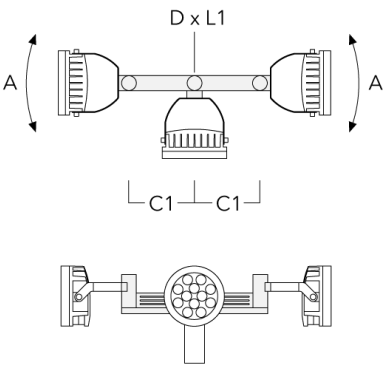


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| Description                                 | Part ID  | A    | C1  | D × L1   | Weight (kg) | D × S    |
|---------------------------------------------|----------|------|-----|----------|-------------|----------|
| TA2-L Mounting bracket, double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

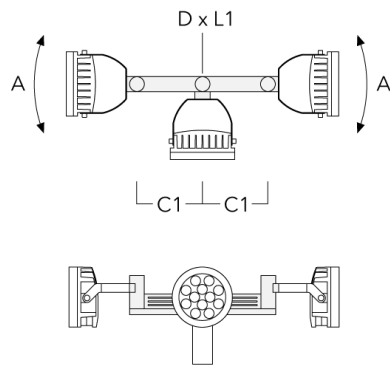


|                                           |          |      |     |          |       |          |
|-------------------------------------------|----------|------|-----|----------|-------|----------|
| TA3 Mounting bracket, triple (Ø 89 x 200) | 147-0025 | ±90° | 650 | 89 x 200 | 17.90 | 89 x 200 |
|-------------------------------------------|----------|------|-----|----------|-------|----------|

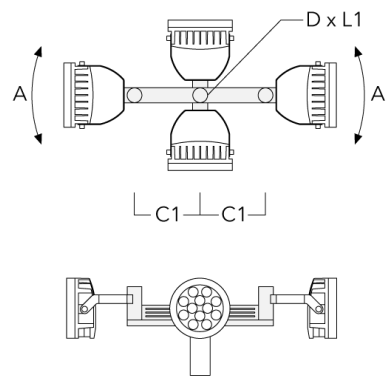


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| Description                                | Part ID  | A    | C1  | D × L1    | Weight (kg) | D × S     |
|--------------------------------------------|----------|------|-----|-----------|-------------|-----------|
| TA3 Mounting bracket, triple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

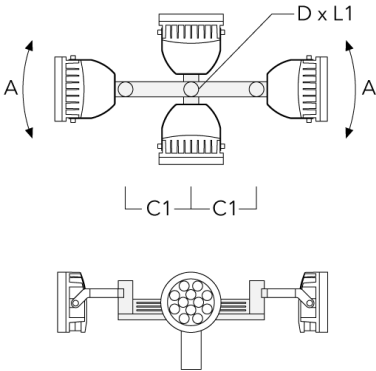


|                                         |          |      |     |          |       |          |
|-----------------------------------------|----------|------|-----|----------|-------|----------|
| TA4 Mounting bracket, quad (Ø 89 x 200) | 147-0099 | ±90° | 650 | 89 x 200 | 20.80 | 89 x 200 |
|-----------------------------------------|----------|------|-----|---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

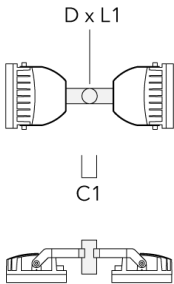


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| Description                              | Part ID  | A    | C1  | D × L1    | Weight (kg) | D × S     |
|------------------------------------------|----------|------|-----|-----------|-------------|-----------|
| TA4 Mounting bracket, quad (Ø 108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

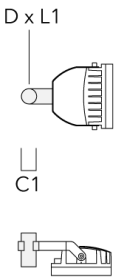


|                                            |          |  |     |          |      |          |
|--------------------------------------------|----------|--|-----|----------|------|----------|
| TA2 Mounting bracket, double* (Ø 76 x 200) | 147-0024 |  | 130 | 76 x 200 | 1.90 | 76 x 200 |
|--------------------------------------------|----------|--|-----|----------|------|----------|



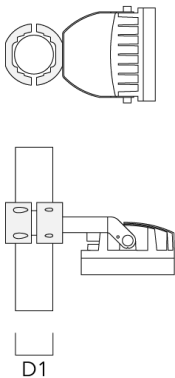
FLC230 LED

| Description                                | Part ID  | A | C1  | D × L1   | Weight (kg) | D × S    |
|--------------------------------------------|----------|---|-----|----------|-------------|----------|
| TA1 Mounting bracket, single* (Ø 76 x 200) | 147-0023 |   | 130 | 76 x 200 | 1.50        | 76 x 200 |



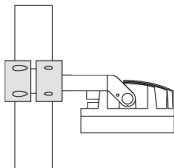
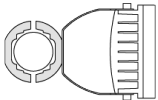
Pole clamp TS

| Description                              | Part ID  | D1      | Weight (kg) | D       |
|------------------------------------------|----------|---------|-------------|---------|
| TS1-2/M12 Pole clamp, single (Ø 102-114) | 147-0526 | 102-114 | 1.50        | 102-114 |



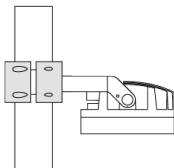
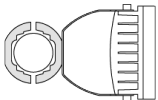
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| Description                              | Part ID  | D1      | Weight (kg) | D       |
|------------------------------------------|----------|---------|-------------|---------|
| TS1-2/M12 Pole clamp, single (Ø 114-133) | 147-0544 | 114-133 | 1.70        | 114-133 |



D1

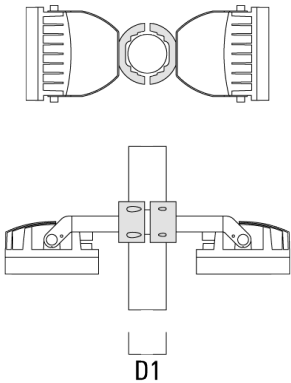
|                                        |          |       |      |       |
|----------------------------------------|----------|-------|------|-------|
| TS1-2/M12 Pole clamp, single (Ø 76-89) | 147-0543 | 76-89 | 1.40 | 76-89 |
|----------------------------------------|----------|-------|------|-------|



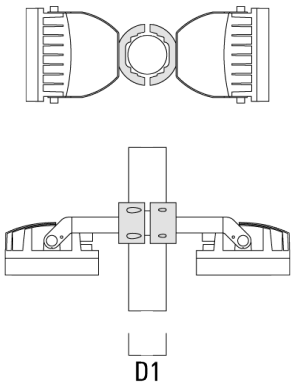
D1

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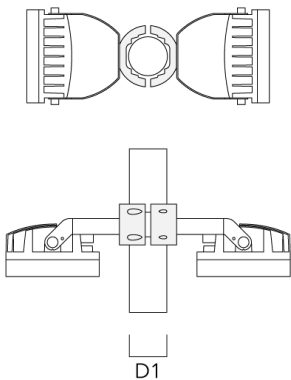
| Description                            | Part ID  | D1    | Weight (kg) | D     |
|----------------------------------------|----------|-------|-------------|-------|
| TS2-2/M12 Pole clamp, double (Ø 76-89) | 147-0545 | 76-89 | 1.40        | 76-89 |



|                                          |          |         |      |         |
|------------------------------------------|----------|---------|------|---------|
| TS2-2/M12 Pole clamp, double (Ø 114-133) | 147-0546 | 114-133 | 1.60 | 114-133 |
|------------------------------------------|----------|---------|------|---------|

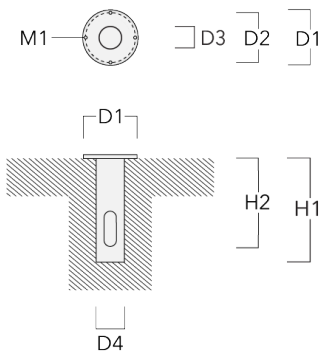


| Description                              | Part ID  | D1      | Weight (kg) | D       |
|------------------------------------------|----------|---------|-------------|---------|
| TS2-2/M12 Pole clamp, double (Ø 102-114) | 147-0527 | 102-114 | 1.50        | 102-114 |



Planted root

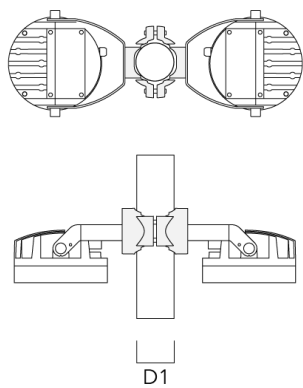
| Description       | Part ID  | D1  | D2  | D3  | D4  | H1  | H2  | M1 | Weight (kg) |
|-------------------|----------|-----|-----|-----|-----|-----|-----|----|-------------|
| Planted root ESV4 | 300-0461 | 145 | 130 | 102 | 108 | 400 | 350 | 8  | 7.05        |



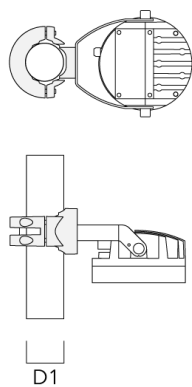
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Pole clamp PC

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

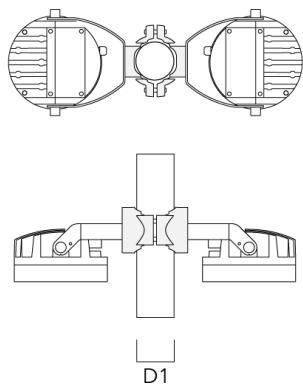


|                                           |          |       |      |
|-------------------------------------------|----------|-------|------|
| PC1 76-89/60 Pole clamp, single (Ø 76-89) | 139-2702 | 76-89 | 1.00 |
|-------------------------------------------|----------|-------|------|

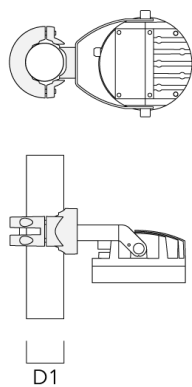


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| Description                                      | Part ID  | D1      | Weight (kg) |
|--------------------------------------------------|----------|---------|-------------|
| PC2 102-114/60 Pole clamp, double<br>(Ø 102-114) | 139-2707 | 102-114 | 1.20        |

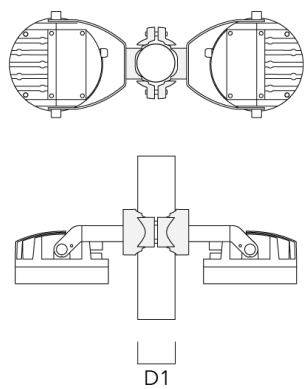


|                                                  |          |         |      |
|--------------------------------------------------|----------|---------|------|
| PC1 102-114/60 Pole clamp, single<br>(Ø 102-114) | 139-2706 | 102-114 | 1.20 |
|--------------------------------------------------|----------|---------|------|

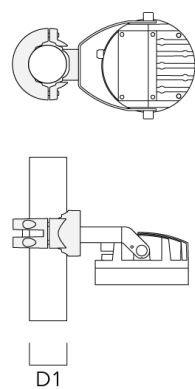


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| Description                                      | Part ID  | D1      | Weight (kg) |
|--------------------------------------------------|----------|---------|-------------|
| PC2 114-133/60 Pole clamp, double<br>(Ø 114-133) | 139-2709 | 114-133 | 1.40        |

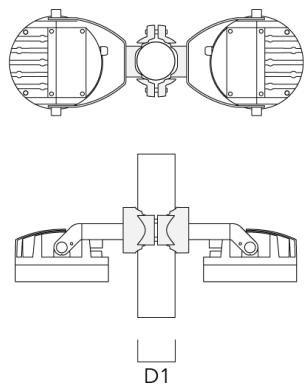


|                                                  |          |         |      |
|--------------------------------------------------|----------|---------|------|
| PC1 114-133/60 Pole clamp, single<br>(Ø 114-133) | 139-2708 | 114-133 | 1.40 |
|--------------------------------------------------|----------|---------|------|

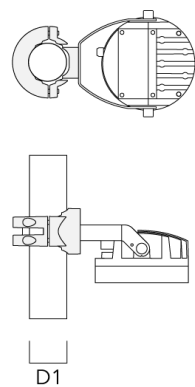


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| Description                                | Part ID  | D1     | Weight (kg) |
|--------------------------------------------|----------|--------|-------------|
| PC2 82-109/60 Pole camp, double (Ø 82-109) | 139-2705 | 82-109 | 1.10        |



|                                            |          |        |      |
|--------------------------------------------|----------|--------|------|
| PC1 82-109/60 Pole camp, single (Ø 82-109) | 139-2704 | 82-109 | 1.10 |
|--------------------------------------------|----------|--------|------|



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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 |

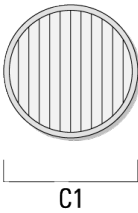
R2C Ready to Connect

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

Optical Accessories

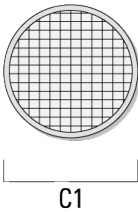
Linear spread lens

| Description       | Part ID  | C1  |
|-------------------|----------|-----|
| IO-180-FLC230-LED | 139-1849 | 199 |



Flood lens

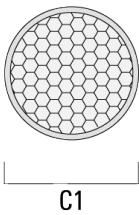
| Description       | Part ID  | C1  |
|-------------------|----------|-----|
| IO-360-FLC230-LED | 139-1850 | 199 |



FLC230 LED

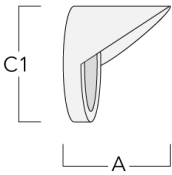
Honeycomb louvre

| Description                  | Part ID  | C1  |
|------------------------------|----------|-----|
| IW-FLC230-LED - [E][EE][EES] | 139-1851 | 199 |



Glare shield

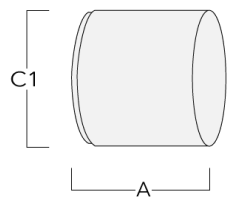
| Description   | Part ID  | A   | C1  |
|---------------|----------|-----|-----|
| ES-FLC230-LED | 139-1852 | 159 | 266 |



FLC230 LED

Snoot

| Description   | Part ID  | A   | C1  |
|---------------|----------|-----|-----|
| ET-FLC230-LED | 139-1853 | 160 | 266 |



Wallwash lens

| Description      | Part ID  | C1  |
|------------------|----------|-----|
| IO-20-FLC230-LED | 139-1848 | 199 |

