

FLC240 LED



Description

IP66. Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG® Controlled Compression Gasket.

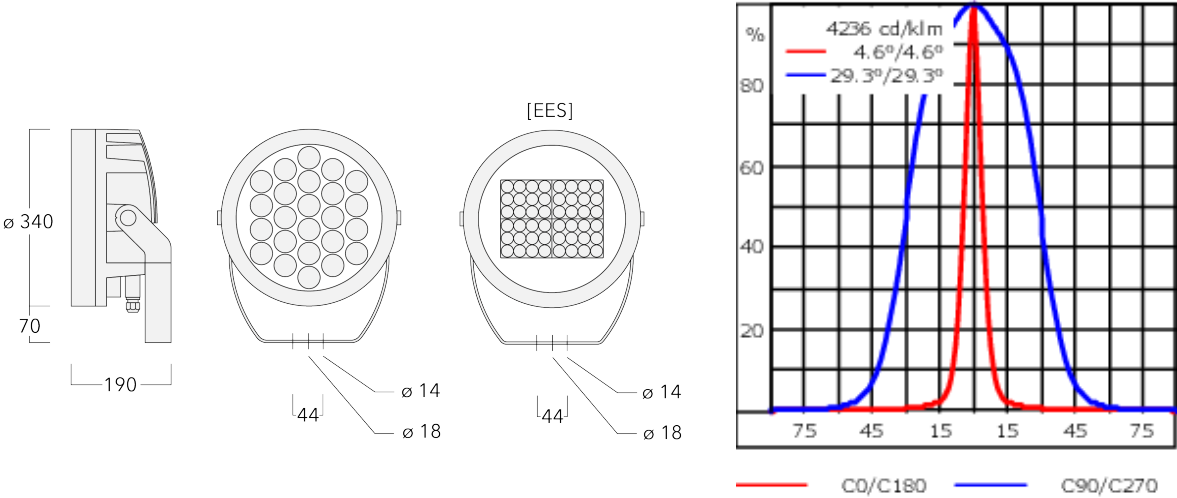
Integral EC electronic converter in thermally-separated compartment. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept.

For 2200 K version available on request, except [EES] distribution.

|                    |                                      |
|--------------------|--------------------------------------|
| Weight             | 12.60 kg                             |
| Light distribution | linear spread, very narrow beam [EE] |
| Light source       | LED-24/72W / 1050 mA - 4000 K        |
| CRI                | 80                                   |
| Power supply       | EC                                   |
| LEDs               | 24                                   |
| Rated input power  | 79 W                                 |

|                    |       |
|--------------------|-------|
| Nominal Lumen (lm) |       |
| LED Lumen          | 450   |
| Total Lumen        | 10800 |
| Tj                 | 85    |

|                   |        |
|-------------------|--------|
| Rated lumens (lm) |        |
| LED Lumen         | 384.6  |
| Total Lumen       | 9229.4 |
| Ta                | 25     |



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> 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              | 0.090 m <sup>2</sup>                                                                                                                                                                  |

Electrical description

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Driver / Ballast | Integral EC electronic converter in thermally-separated compartment |
| Power factor     | > 0.9                                                               |

Additional information

|          |                        |
|----------|------------------------|
| Lifetime | Ta=25° L90B10 > 90000h |
|----------|------------------------|

Mounting Accessories

Short post

| Description        | Part ID  | D1  | D2  | H1  | M1 | Weight (kg) |
|--------------------|----------|-----|-----|-----|----|-------------|
| Short post EM1-M16 | 270-9038 | 160 | 130 | 203 | 9  | 2.10        |



Planted root

| Description       | Part ID     | D1  | D2  | D3 | D4 | H1  | H2  | M1 | T1  | T2       | Weight (kg) |
|-------------------|-------------|-----|-----|----|----|-----|-----|----|-----|----------|-------------|
| Planted root ESV4 | 300-0461-AP | 150 | 130 | 60 | 89 | 400 | 350 | 8  | 200 | 50 x 100 | 3.85        |



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Floodlight mounting bracket TA

| 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 |

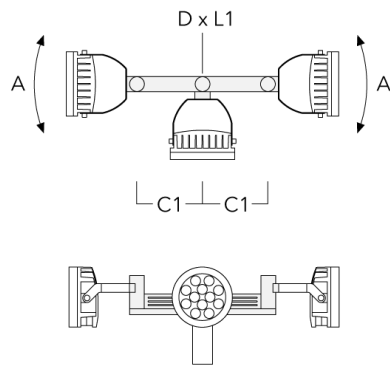


|                                           |          |      |     |          |       |          |
|-------------------------------------------|----------|------|-----|----------|-------|----------|
| TA3 Mounting bracket, triple (Ø 89 x 200) | 147-0025 | ±90° | 650 | 89 x 200 | 17.90 | 89 x 200 |
|-------------------------------------------|----------|------|-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

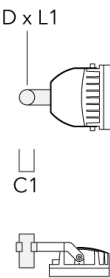


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| Description                             | Part ID  | A    | C1  | D × L1   | Weight (kg) | D × S    |
|-----------------------------------------|----------|------|-----|----------|-------------|----------|
| TA4 Mounting bracket, quad (Ø 89 x 200) | 147-0099 | ±90° | 650 | 89 x 200 | 20.80       | 89 x 200 |

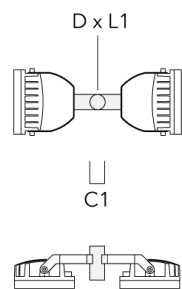


|                                            |          |  |     |           |      |           |
|--------------------------------------------|----------|--|-----|-----------|------|-----------|
| TA1 Mounting bracket, single (Ø 108 x 200) | 147-0096 |  | 130 | 108 x 200 | 7.50 | 108 x 200 |
|--------------------------------------------|----------|--|-----|-----------|------|-----------|

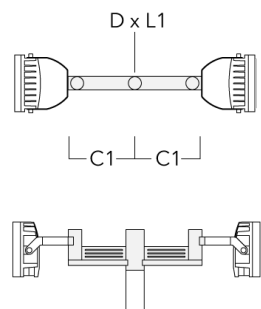


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| Description                                | Part ID  | A | C1  | D × L1    | Weight (kg) | D × S     |
|--------------------------------------------|----------|---|-----|-----------|-------------|-----------|
| TA2 Mounting bracket, double (Ø 108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

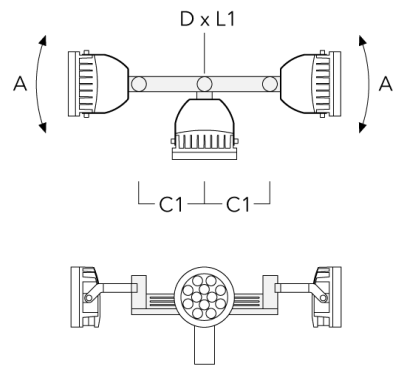


|                                              |          |      |     |           |       |           |
|----------------------------------------------|----------|------|-----|-----------|-------|-----------|
| TA2-L Mounting bracket, double (Ø 108 x 200) | 147-0148 | ±90° | 420 | 108 x 200 | 20.20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

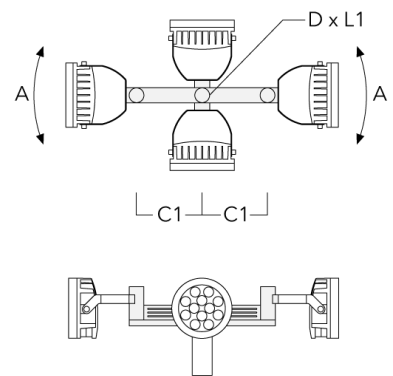


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| Description                                | Part ID  | A    | C1  | D × L1    | Weight (kg) | D × S     |
|--------------------------------------------|----------|------|-----|-----------|-------------|-----------|
| TA3 Mounting bracket, triple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



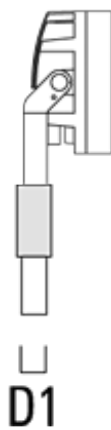
|                                          |          |      |     |           |       |           |
|------------------------------------------|----------|------|-----|-----------|-------|-----------|
| TA4 Mounting bracket, quad (Ø 108 x 200) | 147-0100 | ±90° | 650 | 108 x 200 | 24.20 | 108 x 200 |
|------------------------------------------|----------|------|-----|-----------|-------|-----------|



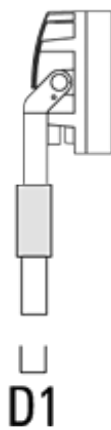
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Spigot cap

| Description                     | Part ID  | D1       | Weight (kg) |
|---------------------------------|----------|----------|-------------|
| Spigot Cap KF1-M16 (ø 60 x 100) | 310-9120 | 60 x 100 | 1.40        |



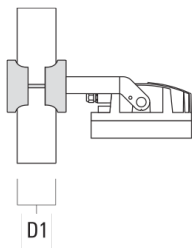
|                                 |          |          |     |
|---------------------------------|----------|----------|-----|
| Spigot Cap KF1-M16 (ø 76 x 100) | 310-9121 | 76 x 100 | 2.2 |
|---------------------------------|----------|----------|-----|



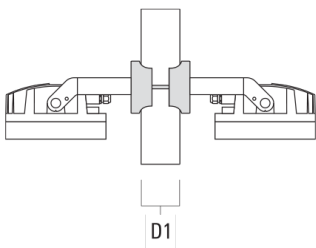
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Pole clamp SP - Tiltable

| Description                          | Part ID  | D1    | Weight (kg) | D     |
|--------------------------------------|----------|-------|-------------|-------|
| Pole clamp SP1-M16, single (Ø 76-89) | 146-0242 | 76-89 | 1.30        | 76-89 |

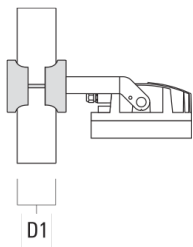


|                                      |          |       |      |  |
|--------------------------------------|----------|-------|------|--|
| Pole clamp SP2-M16, double (Ø 76-89) | 146-0244 | 76-89 | 1.50 |  |
|--------------------------------------|----------|-------|------|--|



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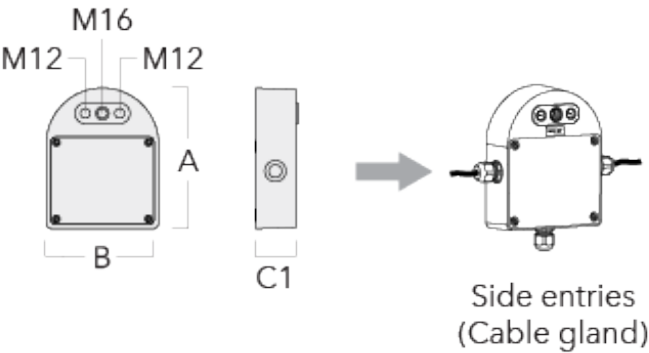
| Description                          | Part ID  | D1    | Weight (kg) | D |
|--------------------------------------|----------|-------|-------------|---|
| Pole clamp SP1-M16, single (Ø 38-60) | 146-0241 | 38-60 | 1.30        |   |



|                                      |          |       |      |  |
|--------------------------------------|----------|-------|------|--|
| Pole clamp SP2-M16, double (Ø 38-60) | 146-0243 | 38-60 | 1.50 |  |
|--------------------------------------|----------|-------|------|--|

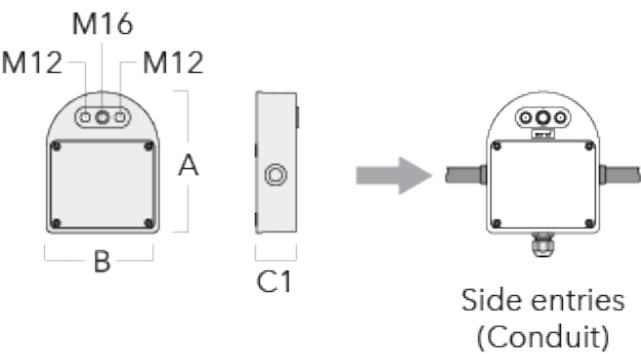
Junction box

| Description                            | Part ID  | Additional information                                                                                                                       | A   | B   | C1 | Weight (kg) |
|----------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----|-------------|
| Junction box JB20 - Cable side entries | 310-9013 | Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with cable glands. | 180 | 143 | 51 | 1.02        |

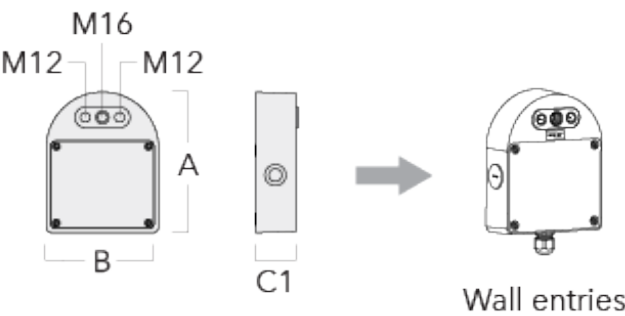


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| Description                              | Part ID  | Additional information                                                                                                                   | A   | B   | C1 | Weight (kg) |
|------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----|-------------|
| Junction box JB20 - Conduit side entries | 310-9014 | Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For side entries and suitable to be used with conduits. | 180 | 143 | 51 | 1.02        |



|                                  |          |                                                                                                    |     |     |    |      |
|----------------------------------|----------|----------------------------------------------------------------------------------------------------|-----|-----|----|------|
| Junction box JB20 - Wall entries | 310-9018 | Junction boxes are made from marine-grade, die-cast aluminium alloy. IK10. IP66. For wall entries. | 180 | 143 | 51 | 1.02 |
|----------------------------------|----------|----------------------------------------------------------------------------------------------------|-----|-----|----|------|



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Pole clamp PC - Rotatable

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

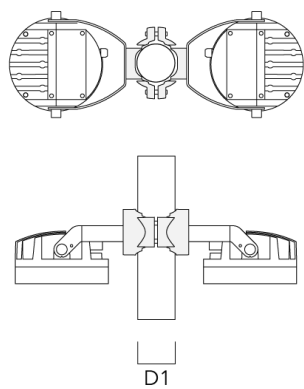


|                                           |          |       |      |
|-------------------------------------------|----------|-------|------|
| PC1 76-89/60 Pole clamp, single (Ø 76-89) | 139-2702 | 76-89 | 1.00 |
|-------------------------------------------|----------|-------|------|

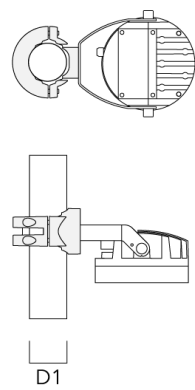


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| Description                                      | Part ID  | D1      | Weight (kg) |
|--------------------------------------------------|----------|---------|-------------|
| PC2 102-114/60 Pole clamp, double<br>(Ø 102-114) | 139-2707 | 102-114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

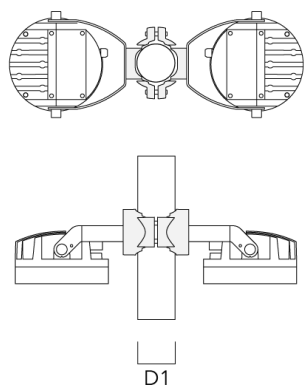


|                                                  |          |         |      |
|--------------------------------------------------|----------|---------|------|
| PC1 114-133/60 Pole clamp, single<br>(Ø 114-133) | 139-2708 | 114-133 | 1.40 |
|--------------------------------------------------|----------|---------|------|

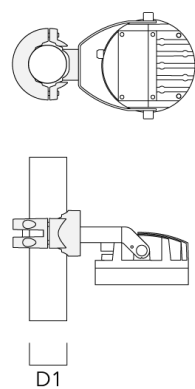


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| Description                                | Part ID  | D1     | Weight (kg) |
|--------------------------------------------|----------|--------|-------------|
| PC2 82-109/60 Pole camp, double (Ø 82-109) | 139-2705 | 82-109 | 1.10        |



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



## Control

### 1-10 V analogue dimming interface

| Description                       | Part ID  | C  |
|-----------------------------------|----------|----|
| 1-10 V analogue dimming interface | 430-0011 | 90 |

### R2C Ready to Connect

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

### DALI interface

| Description    | Part ID  | Additional information                                                     |
|----------------|----------|----------------------------------------------------------------------------|
| DALI interface | 430-0013 | DALI variant. The luminaire is equipped with a DT6 Dali driver (Dali 2.0). |

#### Dali 2.0

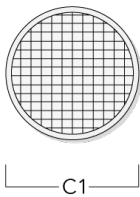
- Application controllers and Input devices defined
- Single-masters and multi-masters allowed
- Event priorities defined
- Separate addressing & grouping from control gear

Note: Mixing Dali 1 and Dali 2.0 drivers can cause problems because the addressing and the command scope has changed!

Optical Accessories

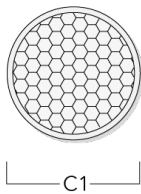
Flood lens

| Description       | Part ID  | C1  |
|-------------------|----------|-----|
| Flood lens IO-360 | 139-1856 | 289 |



Honeycomb louvre

| Description         | Part ID  | C1  |
|---------------------|----------|-----|
| Honeycomb Louvre IW | 139-1857 | 279 |



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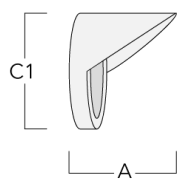
Snoot

| Description | Part ID  | A   | C1  |
|-------------|----------|-----|-----|
| Snoot ET    | 139-1859 | 200 | 346 |



Glare shield

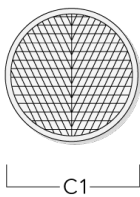
| Description     | Part ID  | A   | C1  |
|-----------------|----------|-----|-----|
| Glare shield ES | 139-1858 | 200 | 346 |



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Wallwash lens

| Description         | Part ID     | Additional information                       | C1  |
|---------------------|-------------|----------------------------------------------|-----|
| Wallwash lens IO-20 | 139-1854-AP | for symmetric [M] medium beam luminaire only | 289 |



Linear spread lens

| Description               | Part ID  | C1  |
|---------------------------|----------|-----|
| Linear spread lens IO-180 | 139-1855 | 289 |

