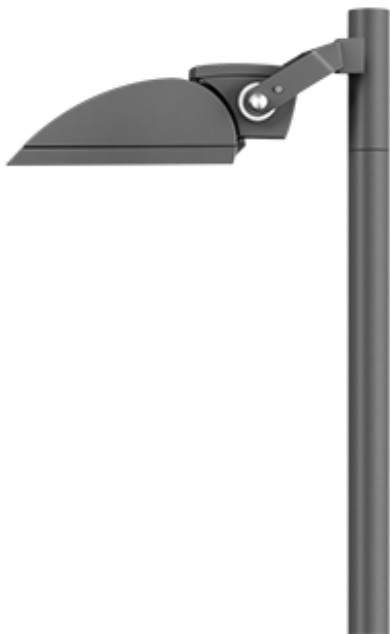




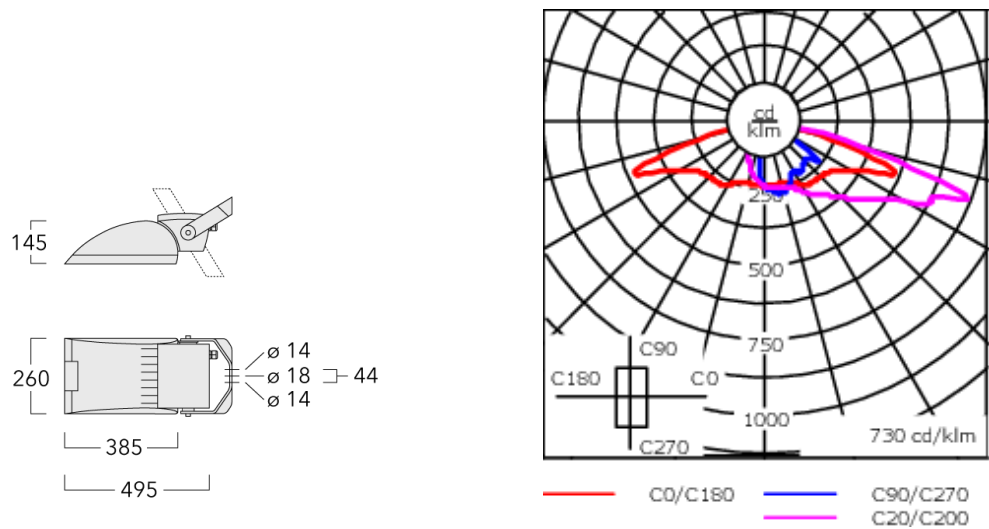
Description

IP66. Class I. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection + primer including PCS hardware. RFC™ Reflection Free Contour main lens. Silicone CCG® Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation.

Integral EC electronic converter. Advanced thermal management protects LEDs while optimising lumens output. LED board can be easily removed for upgrading. CAD-optimised OLC® optics for superior illumination and glare control.

Maximum spacing for streetlighting applications depends on wattage and light distribution: 5.5 to 9 times the mounting height.

|                    |                               |
|--------------------|-------------------------------|
| Weight             | 8.50 kg                       |
| Light distribution | asymmetric, side throw [S70]  |
| Light source       | LED-18/54W / 1050 mA - 4000 K |
| CRI                | 80                            |
| Power supply       | EC                            |
| LEDs               | 18                            |
| Rated input power  | 59 W                          |
| Nominal Lumen (lm) |                               |
| LED Lumen          | 450                           |
| Total Lumen        | 8100                          |
| Tj                 | 85                            |
| Rated lumens (lm)  |                               |
| LED Lumen          | 349.4                         |
| Total Lumen        | 6289.1                        |
| 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> |
| Gasket               | Silicone CCG® Controlled Compression Gasket                                                                                              |
| Fasteners            | PCS Polymer Coated Stainless Steel Hardware (unpainted)                                                                                  |
| Ingress protection   | IP66                                                                                                                                     |
| Impact resistance    | IK08                                                                                                                                     |
| Corrosion resistance | 5CE+Primer                                                                                                                               |
| Windage              | 0.123 m <sup>2</sup>                                                                                                                     |

Electrical description

|                  |                                                 |
|------------------|-------------------------------------------------|
| Power supply     | 230V / 50 Hz                                    |
| Driver / Ballast | Integral EC electronic converter                |
| Power factor     | > 0.9                                           |
| Surge protection | Internal surge protection SP10 device supplied. |

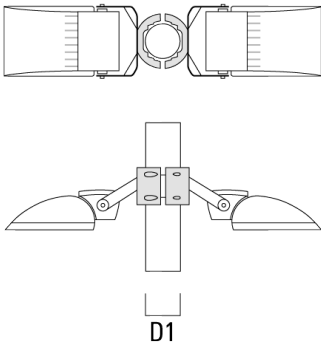
**Additional information**

|          |                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lifetime | Ta=40° L90B10 > 90000h                                                                                                                                                     |
| Warranty | The product is supplied with 10-year warranty. Please refer to the LED Warranty Statement located on <a href="http://www.we-ef.com">www.we-ef.com</a> for further details. |

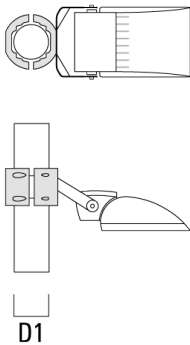
Mounting Accessories

Pole clamp TS

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

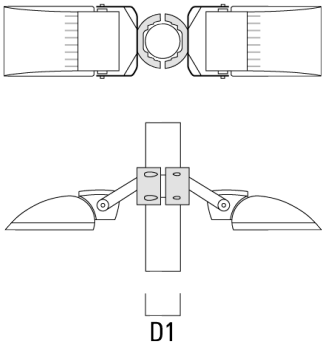


|                                        |          |  |       |      |       |
|----------------------------------------|----------|--|-------|------|-------|
| TS1-2/M12 Pole clamp, single (Ø 76-89) | 147-0543 |  | 76-89 | 1.40 | 76-89 |
|----------------------------------------|----------|--|-------|------|-------|

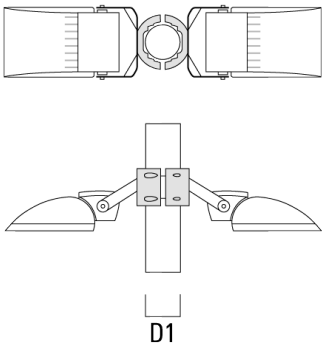


FLA440 LED

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

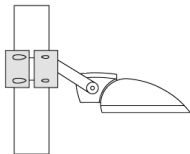
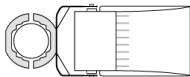


|                                          |          |  |         |      |         |
|------------------------------------------|----------|--|---------|------|---------|
| TS2-2/M12 Pole clamp, double (Ø 114-133) | 147-0546 |  | 114-133 | 1.60 | 114-133 |
|------------------------------------------|----------|--|---------|------|---------|



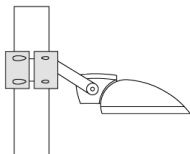
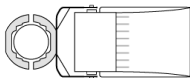
FLA440 LED

| Description                              | Part ID  | Additional information | D1      | Weight (kg) | D |
|------------------------------------------|----------|------------------------|---------|-------------|---|
| TS1-2/M12 Pole clamp, single (Ø 114-140) | 147-0643 |                        | 114-140 | 1.70        |   |



D1

|                                          |          |  |         |      |         |
|------------------------------------------|----------|--|---------|------|---------|
| TS1-2/M12 Pole clamp, single (Ø 102-114) | 147-0526 |  | 102-114 | 1.50 | 102-114 |
|------------------------------------------|----------|--|---------|------|---------|



D1

FLA440 LED

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

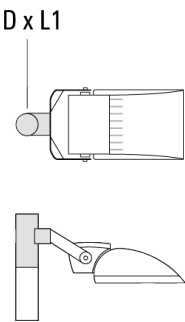


|                                          |          |                                                                                                                                                                           |         |      |  |
|------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|--|
| TS1-2/M12 Pole clamp, double (Ø 114-140) | 147-0674 | Pole clamps made from die-cast aluminium with stainless steel hardware. For mounting of one or two floodlights. Max. permissible weight per installed floodlight 22.5 kg. | 114-140 | 1.70 |  |
|------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|--|

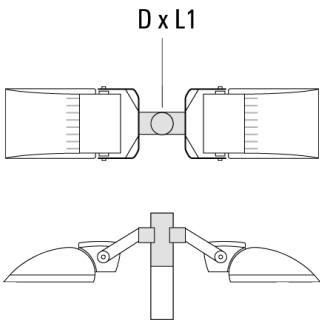


Floodlight mounting bracket TA

| Description                   | Part ID  | A | C1 | D × L1   | Weight (kg) | D        | D × S |
|-------------------------------|----------|---|----|----------|-------------|----------|-------|
| TA1-76 Single Mounting Fitter | 310-9124 |   |    | 76 x 100 | 2.10        | 76 x 100 |       |



|                              |          |  |  |          |      |          |  |
|------------------------------|----------|--|--|----------|------|----------|--|
| TA2 Mounting bracket, double | 310-9125 |  |  | 76 x 100 | 2.20 | 76 x 100 |  |
|------------------------------|----------|--|--|----------|------|----------|--|

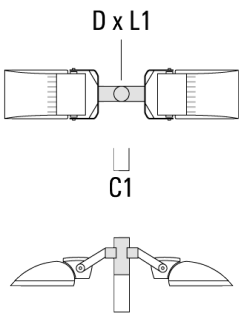


FLA440 LED

| Description                                | Part ID  | A | C1  | D × L1   | Weight (kg) | D | D × S    |
|--------------------------------------------|----------|---|-----|----------|-------------|---|----------|
| TA1 Mounting bracket, single* (Ø 76 x 200) | 147-0023 |   | 130 | 76 x 200 | 1.90        |   | 76 x 200 |

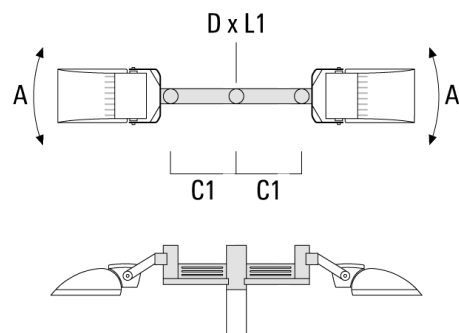


|                                            |          |  |     |          |      |  |          |
|--------------------------------------------|----------|--|-----|----------|------|--|----------|
| TA2 Mounting bracket, double* (Ø 76 x 200) | 147-0024 |  | 130 | 76 x 200 | 1.90 |  | 76 x 200 |
|--------------------------------------------|----------|--|-----|-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

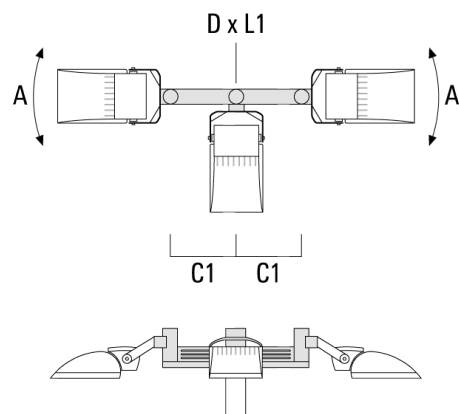


FLA440 LED

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

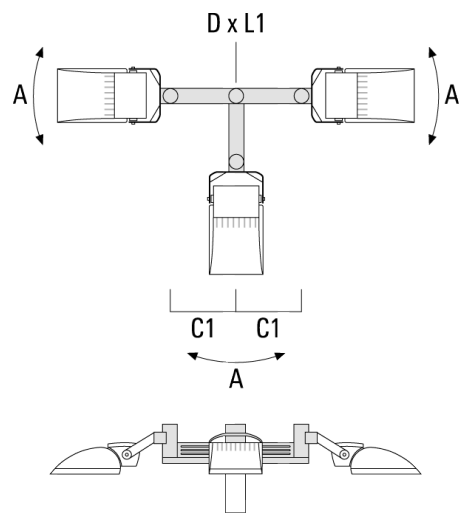


|                                           |          |      |     |          |       |  |          |
|-------------------------------------------|----------|------|-----|----------|-------|--|----------|
| TA3 Mounting bracket, triple (Ø 89 x 200) | 147-0025 | ±90° | 650 | 89 x 200 | 17.90 |  | 89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

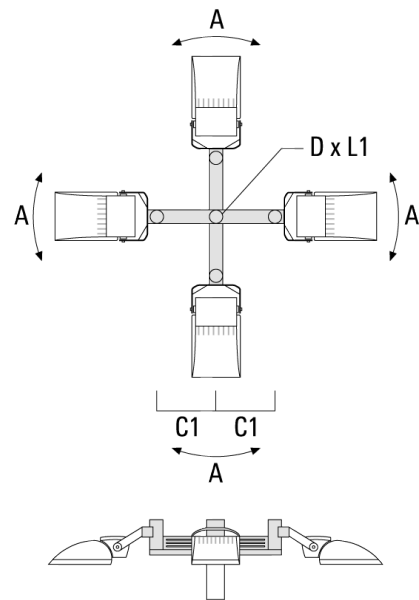


FLA440 LED

| Description                                 | Part ID  | A   | C1  | D × L1   | Weight (kg) | D | D × S    |
|---------------------------------------------|----------|-----|-----|----------|-------------|---|----------|
| TA3-L Mounting bracket, triple (Ø 89 x 200) | 147-0557 | ±9° | 690 | 89 x 200 | 20.80       |   | 89 x 200 |



|                                           |          |     |     |          |       |  |        |
|-------------------------------------------|----------|-----|-----|----------|-------|--|--------|
| TA4-L Mounting bracket, quad (Ø 89 x 200) | 147-0465 | ±9° | 690 | 89 x 200 | 22.60 |  | 89x200 |
|-------------------------------------------|----------|-----|-----|----------|-------|--|--------|



Floodlight mounting bracket KA

| Description                 | Part ID  | D1       | Weight (kg) | D        |
|-----------------------------|----------|----------|-------------|----------|
| KA1-76 Pole bracket, single | 310-9126 | 76 x 100 | 3.40        | 76 x 100 |

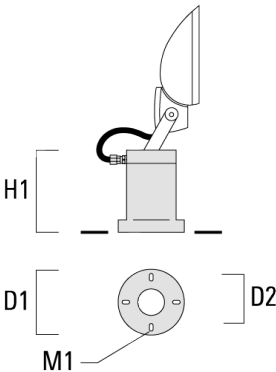


|                             |          |          |      |          |
|-----------------------------|----------|----------|------|----------|
| KA2-76 Pole bracket, double | 310-9127 | 76 x 100 | 3.40 | 76 x 100 |
|-----------------------------|----------|----------|------|----------|



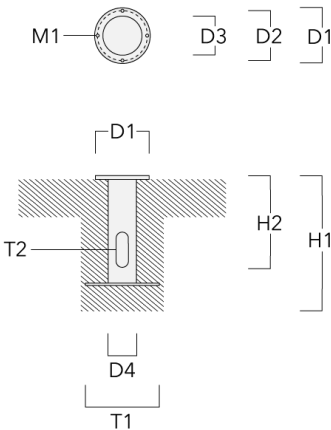
Short post EM

| Description | Part ID  | D1  | D2  | H1  | M1 | Weight (kg) |
|-------------|----------|-----|-----|-----|----|-------------|
| EM1-M16     | 270-9038 | 160 | 130 | 200 | 9  | 2.10        |



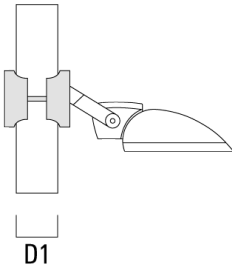
Planted root

| 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        |

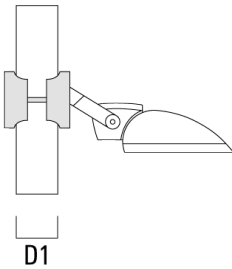


Pipe clamp SP

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

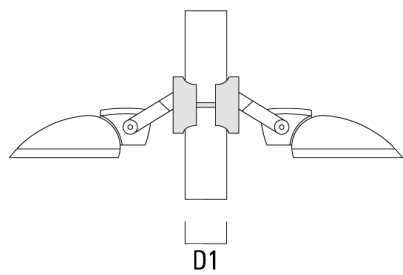


|                                      |          |       |      |       |
|--------------------------------------|----------|-------|------|-------|
| SP1-M16 Pole clamp, single (Ø 76-89) | 146-0242 | 76-89 | 1.30 | 76-89 |
|--------------------------------------|----------|-------|------|-------|

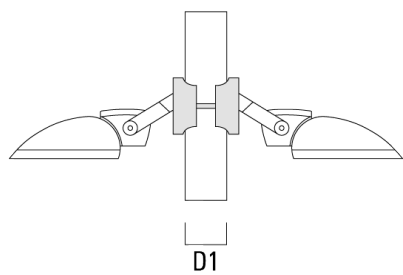


FLA440 LED

| Description                          | Part ID  | D1    | Weight (kg) | D     |
|--------------------------------------|----------|-------|-------------|-------|
| SP2-M16 Pole clamp, double (Ø 38-60) | 146-0243 | 38-60 | 1.60        | 38-60 |

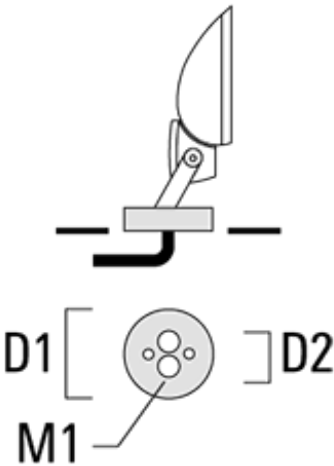


|                                      |          |       |      |       |
|--------------------------------------|----------|-------|------|-------|
| SP2-M16 Pole clamp, double (Ø 76-89) | 146-0244 | 76-89 | 1.50 | 76-89 |
|--------------------------------------|----------|-------|------|-------|



Junction box JB1

| Description             | Part ID  | D1  | D2 | M1 | Weight (kg) |
|-------------------------|----------|-----|----|----|-------------|
| JB1-M16-WE Junction box | 310-9001 | 135 | 67 | 9  | 1.30        |



Optical Accessories

Light shield

| Description | Part ID  | Additional information                                                                                                                                                                       |
|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LS180-[A60] | 003-4018 | Glare Shield for backlight spill. Glare Shield factory-installed or available as retrofit kit. Suitable for [A60] lenses. Must be specified at time of ordering.                             |
| LS180       | 003-4019 | 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. |