

FLC230 LED



Description

IP66. Class I. IK07. Marine-grade, die-cast aluminum 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. CAD-optimized optics for superior illumination and glare control. Integral driver, thermally separated. OLC® One LED Concept. Factory-installed LED circuit board. 0-10V Dimming on request.

A maximum of one internal optical accessory.

Optional 2200K version available, except [VNS] version, to be specified at time of order.

Specify product with 7 Digit product code - Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately.

Example: XXX-XXXX-9004 (Black)

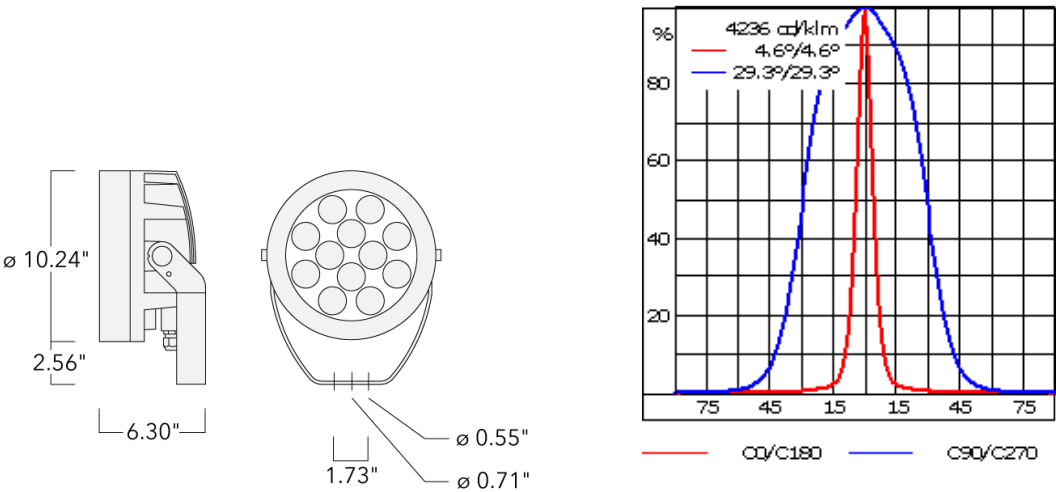
+ XXX-XXXX (Accessory 1)

|                    |                                      |
|--------------------|--------------------------------------|
| Weight             | 16.76 lb                             |
| Light distribution | linear spread, very narrow beam [VN] |
| Light source       | LED-12/24W / 700 mA - 4000 K         |
| CRI                | 80                                   |
| Power supply       | electronic gear                      |
| LEDs               | 12                                   |
| Rated input power  | 27 W                                 |

| Nominal Lumen (lm) |      |
|--------------------|------|
| LED Lumen          | 310  |
| Total Lumen        | 3720 |
| Tj                 | 85   |

| Delivered lumens (lm) |       |
|-----------------------|-------|
| LED Lumen             | 264.9 |
| Total Lumen           | 3179  |
| Ta                    | 25    |

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Specifications  
Material description

|                      |                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body                 | Marine-grade, die-cast aluminium alloy                                                                                                                            |
| Lens                 | Safety glass lens                                                                                                                                                 |
| Colors               | <div><div></div> RAL9004 Black</div> <div><div></div> RAL9007 Grey Metallic</div> <div><div></div> RAL9016 White</div> <div><div></div> RAL8019 Dark Bronze</div> |
| Gasket               | Silicone CCG® Controlled Compression Gasket                                                                                                                       |
| Fasteners            | PCS Polymer Coated Stainless Steel Hardware                                                                                                                       |
| Ingress protection   | IP66                                                                                                                                                              |
| Impact resistance    | IK07                                                                                                                                                              |
| Corrosion resistance | 5CE superior corrosion protection system                                                                                                                          |
| Windage              | 0.684                                                                                                                                                             |

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Electrical description

|                  |                                                                                         |
|------------------|-----------------------------------------------------------------------------------------|
| Power supply     | Integral [ECG] electronic driver 120V-277V. 0-10V dimmable, to be specified with order. |
| Driver / Ballast | Integral EC electronic converter in thermally-separated compartment                     |
| Power factor     | > 0.9                                                                                   |
| Surge protection | Integral 10kV Surge Protector                                                           |

Additional information

|          |                                                                                                                                           |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Lifetime | Ta=25°/40° L90B10 > 90000h                                                                                                                |
| Listings | ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations. Meets ANSI C136.31 - 3G Vibration Rating for Bridge and Overpass Applications. |

Mounting Accessories

Short post EM

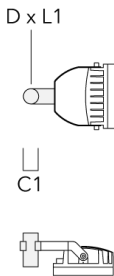
| Description                     | Part ID  | D1  | D2   | H1    | M1    | Weight (lb) |
|---------------------------------|----------|-----|------|-------|-------|-------------|
| EM1-M16 AL - Single Cable Entry | 270-9038 | 6.3 | 5.12 | 7.87" | 0.35" | 4.85 lbs    |



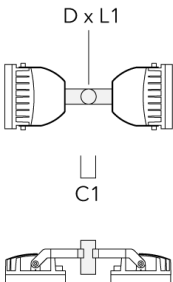
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Floodlight mounting bracket TA

| Description                               | Part ID  | A | C1   | D × L1   | L    | Weight (lb) | D × S     |
|-------------------------------------------|----------|---|------|----------|------|-------------|-----------|
| TA1 Mounting bracket, single (Ø 4.25 x 8) | 147-0096 |   | 5.12 | 4.25 x 8 | 4.25 | 16.53       | 108 x 200 |

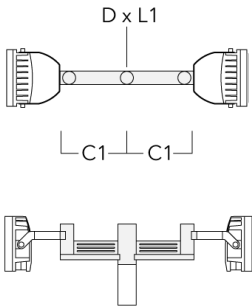


|                                           |          |  |      |          |      |       |           |
|-------------------------------------------|----------|--|------|----------|------|-------|-----------|
| TA2 Mounting bracket, double (Ø 4.25 x 8) | 147-0097 |  | 5.12 | 4.25 x 8 | 4.25 | 16.53 | 108 x 200 |
|-------------------------------------------|----------|--|------|----------|------|-------|-----------|

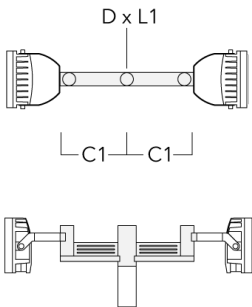


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| Description                                 | Part ID  | A    | C1    | D × L1   | L    | Weight (lb) | D × S     |
|---------------------------------------------|----------|------|-------|----------|------|-------------|-----------|
| TA2-L Mounting bracket, double (Ø 4.25 x 8) | 147-0148 | ±90° | 16.54 | 4.25 x 8 | 4.25 | 44.53       | 108 x 200 |



|                                          |          |      |       |       |      |       |          |
|------------------------------------------|----------|------|-------|-------|------|-------|----------|
| TA2-L Mounting bracket, double (Ø 3 x 8) | 147-0105 | ±90° | 16.54 | 3 x 8 | 2.99 | 35.49 | 76 x 200 |
|------------------------------------------|----------|------|-------|-------|------|-------|----------|

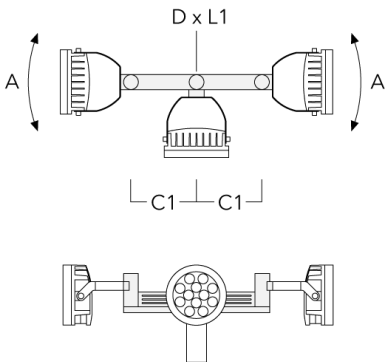


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| Description                               | Part ID  | A    | C1    | D × L1   | L   | Weight (lb) | D × S    |
|-------------------------------------------|----------|------|-------|----------|-----|-------------|----------|
| TA3 Mounting bracket, triple (Ø 3.50 x 8) | 147-0025 | ±90° | 25.59 | 3.50 x 8 | 3.5 | 39.46       | 89 x 200 |

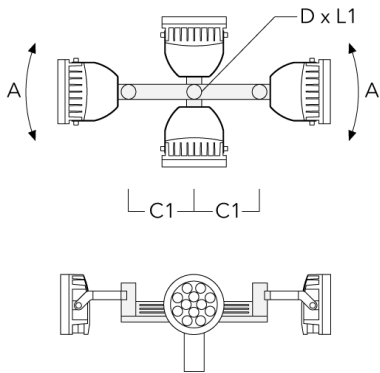


|                                           |          |      |        |          |  |           |           |
|-------------------------------------------|----------|------|--------|----------|--|-----------|-----------|
| TA3 Mounting bracket, triple (Ø 4.25 x 8) | 147-0098 | ±90° | 25.59" | 4.25 x 8 |  | 53.35 lbs | 108 x 200 |
|-------------------------------------------|----------|------|--------|----------|--|-----------|-----------|

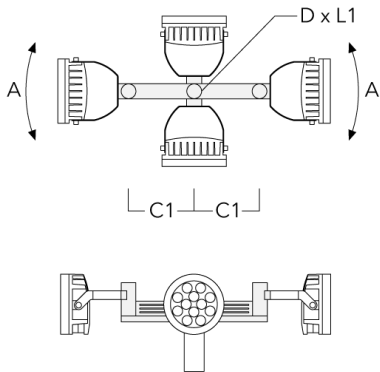


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| Description                             | Part ID  | A    | C1    | D × L1   | L | Weight (lb) | D × S    |
|-----------------------------------------|----------|------|-------|----------|---|-------------|----------|
| TA4 Mounting bracket, quad (Ø 3.50 x 8) | 147-0099 | ±90° | 25.59 | 3.50 x 8 |   | 45.86 lbs   | 89 x 200 |

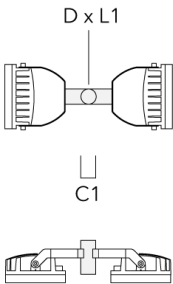


|                                         |          |      |       |          |  |       |           |
|-----------------------------------------|----------|------|-------|----------|--|-------|-----------|
| TA4 Mounting bracket, quad (Ø 4.25 x 8) | 147-0100 | ±90° | 25.59 | 4.25 x 8 |  | 53.00 | 108 x 200 |
|-----------------------------------------|----------|------|-------|----------|--|-------|-----------|

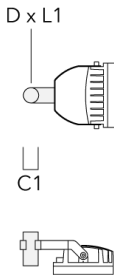


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| Description                            | Part ID  | A | C1   | D × L1 | L    | Weight (lb) | D × S    |
|----------------------------------------|----------|---|------|--------|------|-------------|----------|
| TA2 Mounting bracket, double (Ø 3 x 8) | 147-0024 |   | 5.12 | 3 x 8  | 2.99 | 4.2 lbs     | 76 x 200 |



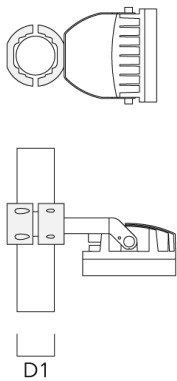
|                                        |          |  |      |       |      |      |          |
|----------------------------------------|----------|--|------|-------|------|------|----------|
| TA1 Mounting bracket, single (Ø 3 x 8) | 147-0023 |  | 5.12 | 3 x 8 | 2.99 | 4.19 | 76 x 200 |
|----------------------------------------|----------|--|------|-------|------|------|----------|



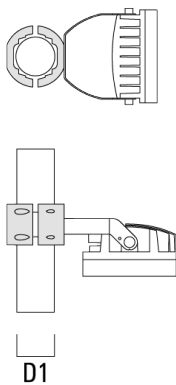
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Pole clamp TS

| Description                                | Part ID  | D1       | Weight (lb) | D       |
|--------------------------------------------|----------|----------|-------------|---------|
| TS1-2/M12 Pole clamp, single (Ø 4.0"-4.5") | 147-0526 | 4.0-4.50 | 3.53        | 102-114 |

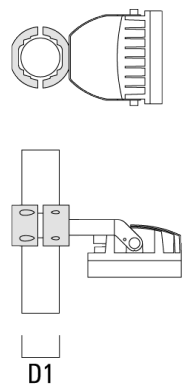


|                                             |          |         |      |         |
|---------------------------------------------|----------|---------|------|---------|
| TS1-2/M12 Pole clamp, single (Ø 4.5"-5.25") | 147-0544 | 114-133 | 3.75 | 114-133 |
|---------------------------------------------|----------|---------|------|---------|

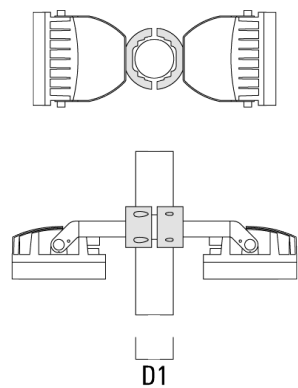


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| Description                              | Part ID  | D1       | Weight (lb) | D     |
|------------------------------------------|----------|----------|-------------|-------|
| TS1-2/M12 Pole clamp, single (Ø 3"-3.5") | 147-0543 | 3.0-3.50 | 3.31        | 76-89 |

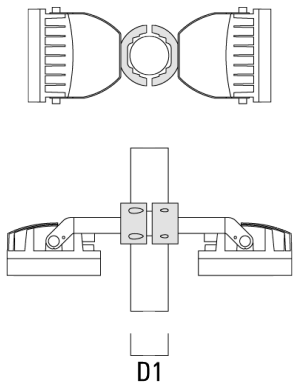


|                                          |          |           |          |       |
|------------------------------------------|----------|-----------|----------|-------|
| TS2-2/M12 Pole clamp, double (Ø 3"-3.5") | 147-0545 | 3.0"-3.5" | 3.09 lbs | 76-89 |
|------------------------------------------|----------|-----------|----------|-------|



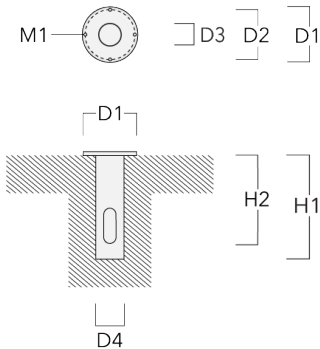
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| Description                                 | Part ID  | D1        | Weight (lb) | D       |
|---------------------------------------------|----------|-----------|-------------|---------|
| TS2-2/M16 Pole clamp, double (Ø 4.5"-5.25") | 147-0546 | 4.50-5.25 | 3.53        | 114-133 |



Planted root

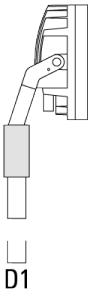
| Description       | Part ID  | D1   | D2   | D3   | D4   | H1    | H2    | M1  | Weight (lb) |
|-------------------|----------|------|------|------|------|-------|-------|-----|-------------|
| Planted root ESV4 | 300-0461 | 5.71 | 5.12 | 4.01 | 4.25 | 15.75 | 13.78 | .31 | 15.54       |



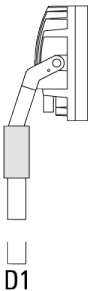
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Pole top caps KF

| Description                      | Part ID  | D1   | D × L1   | Weight (lb) | D        |
|----------------------------------|----------|------|----------|-------------|----------|
| KF16-60/M16 Spigot Cap (Ø 2.36") | 310-9120 | 2.36 | 2.36 x 4 | 4.4 lbs     | 60 x 100 |

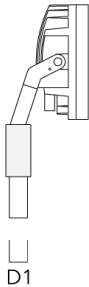


|                                 |          |   |       |          |          |
|---------------------------------|----------|---|-------|----------|----------|
| KF16-76/M16 Spigot Cap (Ø 3.0") | 310-9121 | 3 | 3 x 4 | 1.10 lbs | 76 x 100 |
|---------------------------------|----------|---|-------|----------|----------|

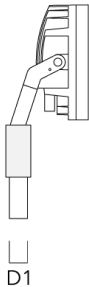


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| Description                     | Part ID  | D1   | D × L1  | Weight (lb) | D  |
|---------------------------------|----------|------|---------|-------------|----|
| KF16-89/M16 Spigot Cap (Ø 3.5") | 300-0734 | 3.50 | 3.5 x 3 | 1.10 lbs    | 89 |



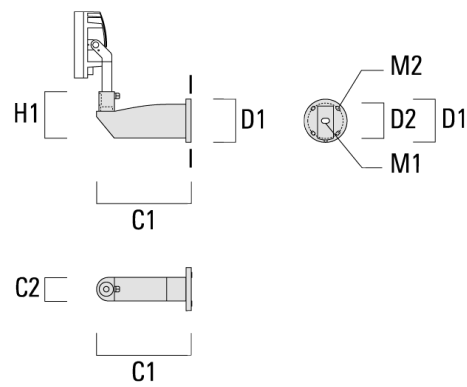
|                                   |          |      |          |         |     |
|-----------------------------------|----------|------|----------|---------|-----|
| KF16-108/M16 Spigot Cap (Ø 4.25") | 300-0735 | 4.25 | 4.25 x 3 | 4.4 lbs | 108 |
|-----------------------------------|----------|------|----------|---------|-----|



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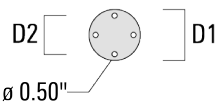
Wall Mount Bracket WMB

| Description               | Part ID  | C1    | C2   | D1   | D2   | H1    | M1   | M2   | Weight (lb) |
|---------------------------|----------|-------|------|------|------|-------|------|------|-------------|
| WMB200 Wall mount bracket | 147-6015 | 20.28 | 4.72 | 9.25 | 7.88 | 11.34 | 1.05 | 0.47 | 20.0 lbs    |



Surface Mount Canopy SMC

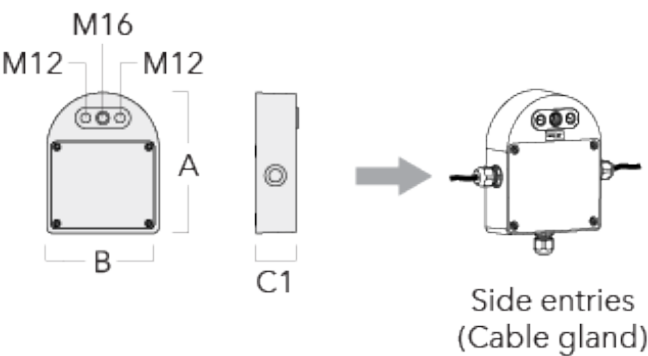
| Description | Part ID  | D1    | D2   | Weight (lb) |
|-------------|----------|-------|------|-------------|
| SMC-200     | 147-6915 | 10.83 | 9.25 | 15.4 lbs    |



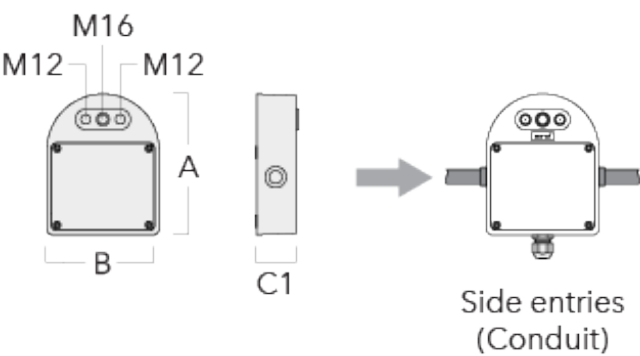
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Junction box

| Description                            | Part ID  | Additional information                                                                                                                       | A    | B    | C1   | Weight (lb) |
|----------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|-------------|
| 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. | 7.09 | 5.63 | 2.01 | 2.25        |



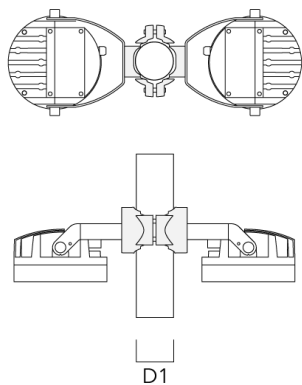
|                                          |          |                                                                                                                                          |      |      |      |      |
|------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|
| 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. | 7.09 | 5.63 | 2.01 | 2.25 |
|------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|



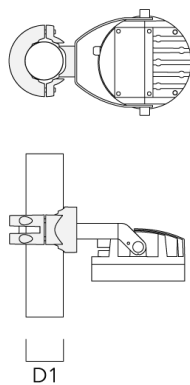
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Pole clamp PC

| Description                                 | Part ID  | D1       | Weight (lb) |
|---------------------------------------------|----------|----------|-------------|
| PC2 76-89/60 Pole clamp, double (Ø 3"-3.5") | 139-2703 | 3.0-3.50 | 2.20        |

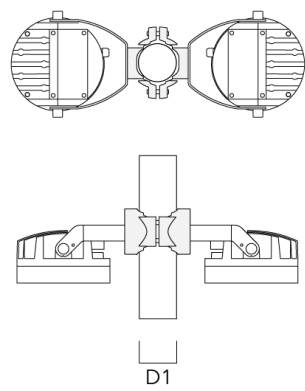


|                                             |          |          |      |
|---------------------------------------------|----------|----------|------|
| PC1 76-89/60 Pole clamp, single (Ø 3"-3.5") | 139-2702 | 3.0-3.50 | 2.20 |
|---------------------------------------------|----------|----------|------|

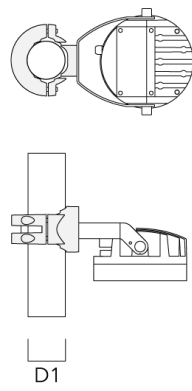


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| Description                                      | Part ID  | D1       | Weight (lb) |
|--------------------------------------------------|----------|----------|-------------|
| PC2 102-114/60 Pole clamp, double<br>(Ø 4"-4.5") | 139-2707 | 4.0-4.50 | 2.65        |

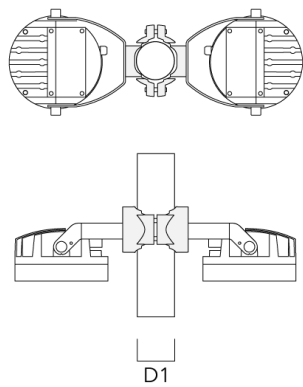


|                                                  |          |          |      |
|--------------------------------------------------|----------|----------|------|
| PC1 102-114/60 Pole clamp, single<br>(Ø 4"-4,5") | 139-2706 | 4.0-4.50 | 2.65 |
|--------------------------------------------------|----------|----------|------|



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| Description                                         | Part ID  | D1       | Weight (lb) |
|-----------------------------------------------------|----------|----------|-------------|
| PC2 114-133/60 Pole clamp, double<br>(Ø 4.5"-5.25") | 139-2709 | 4.5-5.25 | 3.10        |

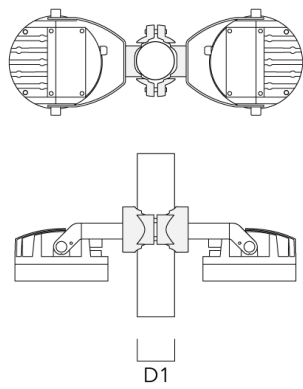


|                                                     |          |          |      |
|-----------------------------------------------------|----------|----------|------|
| PC1 114-133/60 Pole clamp, single<br>(Ø 4.5"-5.25") | 139-2708 | 4.5-5.25 | 3.10 |
|-----------------------------------------------------|----------|----------|------|

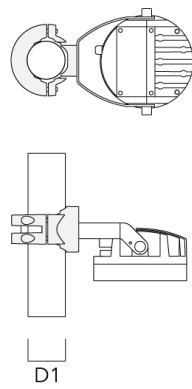


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| Description                                         | Part ID  | D1        | Weight (lb) |
|-----------------------------------------------------|----------|-----------|-------------|
| PC2 82-109/60 Pole clamp, double<br>(Ø 3.25"-4.25") | 139-2705 | 3.20-4.30 | 2.40        |



|                                                |          |           |      |
|------------------------------------------------|----------|-----------|------|
| PC1 82-109/60 Pole camp, single (Ø 3.25"-4.3") | 139-2704 | 3.20-4.30 | 2.40 |
|------------------------------------------------|----------|-----------|------|

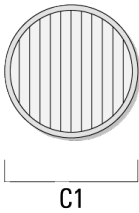


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Optical Accessories

Linear spread lens

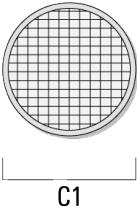
| Description       | Part ID  | C1   |
|-------------------|----------|------|
| IO-180-FLC230-LED | 139-1849 | 7.83 |



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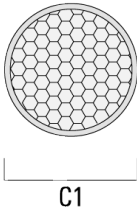
Softening Lens

| Description       | Part ID  | C1   |
|-------------------|----------|------|
| IO-360-FLC230-LED | 139-1850 | 7.83 |



Honeycomb louvre

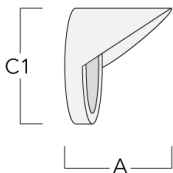
| Description   | Part ID  | C1   |
|---------------|----------|------|
| IW-FLC230-LED | 139-1851 | 7.83 |



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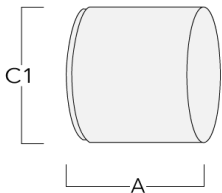
Glare shield

| Description   | Part ID  | A    | C1    |
|---------------|----------|------|-------|
| ES-FLC230-LED | 139-1852 | 6.26 | 10.47 |



Snoot

| Description   | Part ID  | A   | C1    |
|---------------|----------|-----|-------|
| ET-FLC230-LED | 139-1853 | 6.3 | 10.47 |



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Wallwash lens

| Description      | Part ID  | C1   |
|------------------|----------|------|
| IO-20-FLC230-LED | 139-1848 | 7.83 |

