

VFL540-SE LED



Description

Pole or wall-mounted LED luminaire with integrated heat sinks. Side-entry mount.

IP66. Class I or Class II. IK08. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. RFC® Reflection Free Contour main lens. CAD-optimized optics for superior illumination and glare control. Integral driver in thermally separated compartment. OLC® One LED Concept. Factory-installed LED circuit board. 0-10V Dimming comes standard with luminaire. Luminaire is factory-sealed and does not need to be opened during installation.

Recommended mounting height 20-40 ft, depending on lamp type selected.

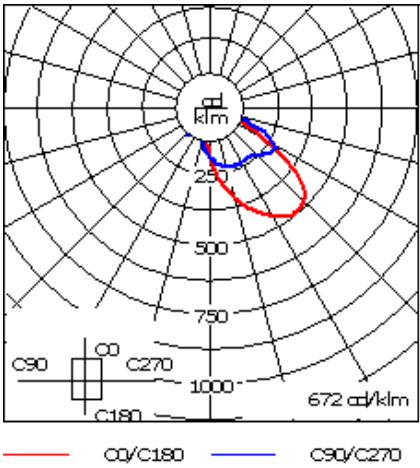
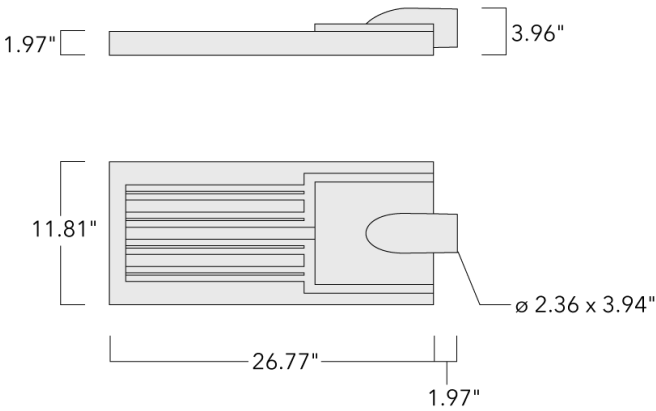
Specify product with 7 Digit product code - Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately.  
Example: XXX-XXXX-9004 (Black)  
+ XXX-XXXX (Accessory 1)

|                    |                                                |
|--------------------|------------------------------------------------|
| Weight             | 18.08 lb                                       |
| Light distribution | pedestrian crossing, right-hand traffic [P45R] |
| Light source       | LED-48/96W / 700 mA - 4000 K                   |
| CRI                | 80                                             |
| Power supply       | electronic gear                                |
| BUG                | B2 U0 G2                                       |
| LEDs               | 48                                             |
| Rated input power  | 105.5 W                                        |

|                    |       |
|--------------------|-------|
| Nominal Lumen (lm) |       |
| LED Lumen          | 310   |
| Total Lumen        | 14880 |
| Tj                 | 85    |

|                       |         |
|-----------------------|---------|
| Delivered lumens (lm) |         |
| LED Lumen             | 267.8   |
| Total Lumen           | 12854.5 |
| Ta                    | 25      |

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Specifications  
Material description

|                      |                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body                 | Marine-grade, die-cast aluminium alloy                                                                                                                            |
| Lens                 | PMMA RFC Reflection Contour Lens technology                                                                                                                       |
| 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 rubber gasket                                                                                                                                            |
| Fasteners            | PCS Polymer Coated Stainless Steel hardware                                                                                                                       |
| Ingress protection   | IP66                                                                                                                                                              |
| Impact resistance    | IK08                                                                                                                                                              |
| Corrosion resistance | 5CE                                                                                                                                                               |
| Windage              | 18.1 ft <sup>2</sup>                                                                                                                                              |

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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                                                        |
| Power factor     | > 0.9                                                                                   |
| Surge protection | In-line bracket 10kV Surge Protector                                                    |

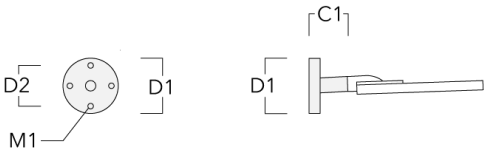
**Additional information**

|            |                                                                                       |
|------------|---------------------------------------------------------------------------------------|
| Lifetime   | Ta=25°/40° L90B10 > 90000h                                                            |
| BUG Rating | Please see individual Spec Sheets for classification of Backlight, Uplight and Glare. |
| Listings   | ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations.                            |

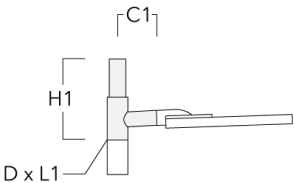
Mounting Accessories

Wall and pole brackets RE

| Description          | Part ID  | C1   | D1   | D2   | D × L1 | H1 | M1   | Weight (lb) | C   | H |
|----------------------|----------|------|------|------|--------|----|------|-------------|-----|---|
| RE0-540 Wall bracket | 111-0084 | 7.09 | 9.06 | 7.68 |        |    | 0.47 | 7.05        | 140 |   |

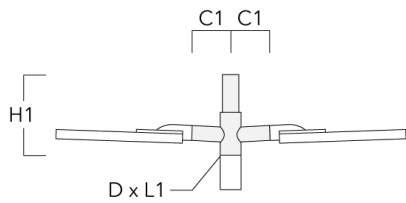


|                              |          |      |  |  |       |       |  |       |     |     |
|------------------------------|----------|------|--|--|-------|-------|--|-------|-----|-----|
| RE1-540 Pole bracket, single | 111-0042 | 7.87 |  |  | 3 x 5 | 21.65 |  | 10.14 | 200 | 550 |
|------------------------------|----------|------|--|--|-------|-------|--|-------|-----|-----|



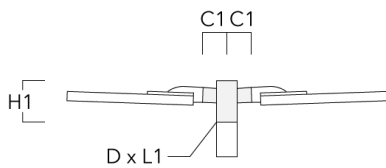
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| Description                  | Part ID  | C1   | D1 | D2 | D × L1 | H1    | M1 | Weight (lb) | C   | H   |
|------------------------------|----------|------|----|----|--------|-------|----|-------------|-----|-----|
| RE2-540 Pole bracket, double | 111-0043 | 7.87 |    |    | 3 x 5  | 21.65 |    | 11.68       | 200 | 550 |



Pole brackets RF

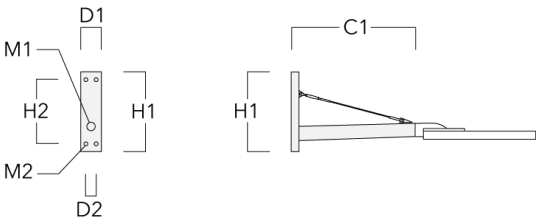
| Description                  | Part ID  | C1   | D × L1 | H1   | Weight (lb) | C   | H   |
|------------------------------|----------|------|--------|------|-------------|-----|-----|
| RF2-540 Pole bracket, double | 111-0047 | 7.87 | 3 x 3  | 7.87 | 7.28        | 200 | 300 |



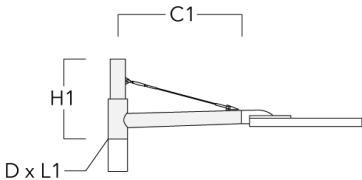
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Wall and pole brackets RX

| Description          | Part ID  | C1    | D1   | D2   | D × L1 | H1    | H2    | M1   | M2   | Weight (lb) |
|----------------------|----------|-------|------|------|--------|-------|-------|------|------|-------------|
| RX0-540 Wall bracket | 111-0086 | 39.37 | 5.51 | 3.94 |        | 17.72 | 15.16 | 1.18 | 0.47 | 11.46       |

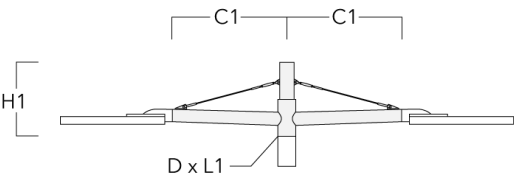


|                              |          |       |  |  |             |       |  |  |  |       |
|------------------------------|----------|-------|--|--|-------------|-------|--|--|--|-------|
| RX1-540 Pole bracket, single | 111-0054 | 39.37 |  |  | 2.99 x 3.15 | 21.65 |  |  |  | 14.99 |
|------------------------------|----------|-------|--|--|-------------|-------|--|--|--|-------|



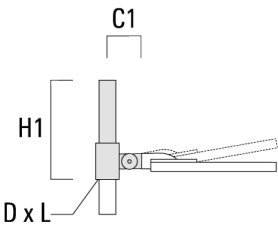
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| Description                  | Part ID  | C1    | D1 | D2 | D × L1      | H1    | H2 | M1 | M2 | Weight (lb) |
|------------------------------|----------|-------|----|----|-------------|-------|----|----|----|-------------|
| RX2-540 Pole bracket, double | 111-0055 | 39.37 |    |    | 2.99 x 3.15 | 21.65 |    |    |    | 21.38       |



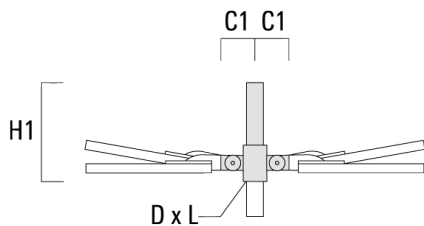
Wall and pole brackets RI

| Description                             | Part ID  | C1    | D × L1 | H1     | Weight (lb) |
|-----------------------------------------|----------|-------|--------|--------|-------------|
| RI1-540 Adjustable pole bracket, single | 111-0179 | 7.87" | 3 x 3  | 20.67" | 12.00 lbs   |



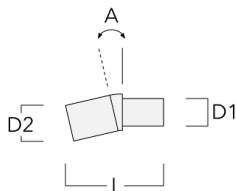
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| Description                                | Part ID  | C1    | D × L1 | H1     | Weight (lb) |
|--------------------------------------------|----------|-------|--------|--------|-------------|
| RI2-540 Adjustable pole bracket,<br>double | 106-0481 | 7.87" | 3 x 3  | 20.67" | 14.00 lbs   |



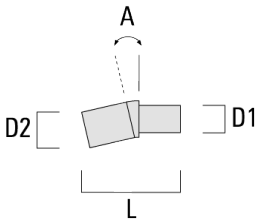
Tilt brackets TB

| Description                   | Part ID  | A   | D1          | D2          | L   | Weight (lb) |
|-------------------------------|----------|-----|-------------|-------------|-----|-------------|
| TB-540.60-10 Tilt bracket 10° | 111-0636 | 10° | 2.36 x 3.54 | 2.36 x 3.94 | 205 | 1.54        |



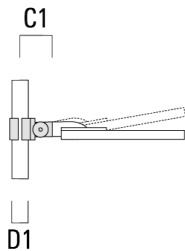
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| Description                   | Part ID  | A   | D1          | D2          | L   | Weight (lb) |
|-------------------------------|----------|-----|-------------|-------------|-----|-------------|
| TB-540.60-15 Tilt bracket 15° | 111-0637 | 15° | 2.36 x 3.54 | 2.36 x 3.94 | 205 | 1.54        |



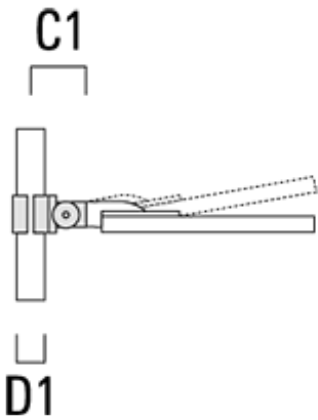
Pole clamp SI

| Description                            | Part ID  | C1   | D1       | Weight (lb) | C   | D       |
|----------------------------------------|----------|------|----------|-------------|-----|---------|
| SI1-540 Pole clamp, single (Ø 3"-3.5") | 111-0070 | 7.68 | 3.0-3.50 | 11.00       | 195 | 76 - 89 |

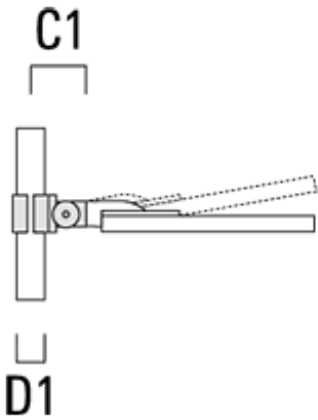


VFL540-SE LED

| Description                               | Part ID  | C1    | D1          | Weight (lb) | C   | D         |
|-------------------------------------------|----------|-------|-------------|-------------|-----|-----------|
| SI1-540 Pole clamp, single (Ø 4.5"-5.25") | 111-0071 | 7.68" | 4.50"-5.25" | 14.00 lbs   | 195 | 102 - 114 |

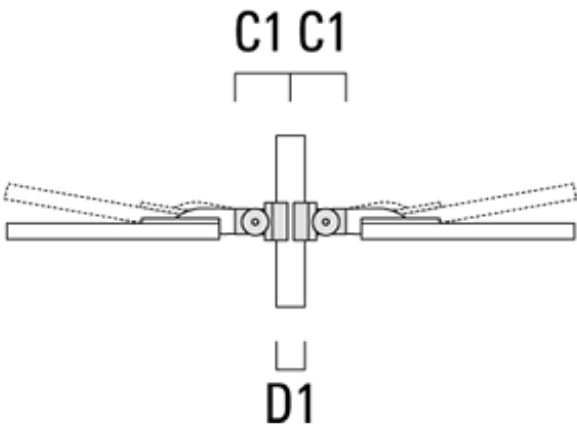


|                                        |          |       |           |           |     |           |
|----------------------------------------|----------|-------|-----------|-----------|-----|-----------|
| SI1-540 Pole clamp, single (Ø 4"-4.5") | 111-0177 | 7.68" | 4.0"-4.5" | 12.00 lbs | 195 | 102 - 114 |
|----------------------------------------|----------|-------|-----------|-----------|-----|-----------|

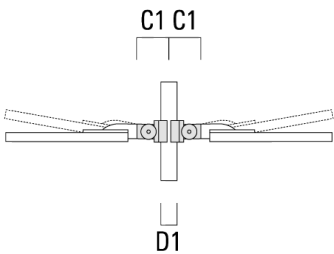


VFL540-SE LED

| Description                            | Part ID  | C1    | D1        | Weight (lb) | C   | D       |
|----------------------------------------|----------|-------|-----------|-------------|-----|---------|
| SI2-540 Pole clamp, double (Ø 3"-3.5") | 111-0072 | 7.68" | 3.0"-3.5" |             | 195 | 76 - 89 |

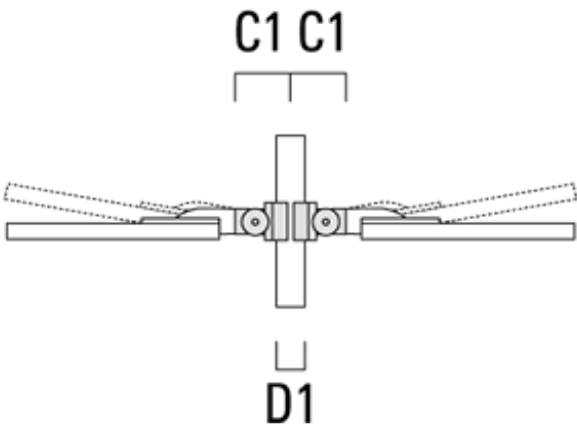


|                                           |          |       |            |        |     |           |
|-------------------------------------------|----------|-------|------------|--------|-----|-----------|
| SI2-540 Pole clamp, double (Ø 4.5"-5.25") | 111-0073 | 7.68" | 4.5"-5.25" | 14 lbs | 195 | 102 - 114 |
|-------------------------------------------|----------|-------|------------|--------|-----|-----------|



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| Description                            | Part ID  | C1    | D1        | Weight (lb) | C   | D         |
|----------------------------------------|----------|-------|-----------|-------------|-----|-----------|
| SI2-540 Pole clamp, double (Ø 4"-4.5") | 111-0183 | 7.68" | 4.0"-4.5" | 12 lbs      | 195 | 102 - 114 |



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. |