

Strada Linear LED 48" AREA LIGHT



Street & Area Light

L70
 25°C 165,000 Hours



Shown Mounted

Dimensions

| | |
|-------------------|---------------|
| Width (D) | 49" (1,247mm) |
| Length (C) | 7" (178mm) |
| Height (A) | 4" (102mm) |

Pemco's Strada STR4AOQ pole mount luminaire is available with clear or LumaLens lenses and open door frame designed to replace HID lighting systems up to 400w MH or HPS. Typical lighting applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 18 to 30 feet can be used based on light level and uniformity requirements.

Specifications and Features:

Housing:

Heavy-Duty Die Cast Aluminum Housing and Top Frame.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750
 IP66 Sealed LED Compartment.

Finish:

Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:

Clear Polycarbonate or SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens

Mounting Options:

Mounts on 2 1/2" Arm or Tenon with Adjustable Slipfitter.

EasyLED LED:

Aluminum Boards

Wattage:

112w: Array: 112w, System: 126w; (250w HID Equivalent)
 136w: Array: 136w, System: 152w; (400w HID Equivalent)

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Warranty:

5-Year Warranty for -40°C to +50°C Environment.

See Page 3 for Projected Lumen Maintenance Table.

QUICK SHIP P Quick Ship option for Standard heights & colors only

ORDERING FORMAT

Example: STR4AOQF47U4KCZSFESP

| STR4AOQ | F | | | | | | | |
|--|--------|----------------------|--------------------------|----------------------|--|---|---|---|
| Model | Optics | Wattage | Driver | CCT | Lens | Color | Mounting | Options |
| STR4AOQ= Strada Open Frame 48" Linear Area Light | F=Wide | 112=112w 136=136w | U=120-277V H=347-480V | 4K=4000K 5K=5000K | C=Clear Polycarbonate Vandal-Resistant Lens L=SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens | P=Platinum Z=Bronze B=Black C=Custom (Consult Factory) | SFE=End Mount Slipfitter SFM=Center Mount Slipfitter | SF=Single Fuse (120-277V only) DF=Double Fuse (120-277V only) SP=Surge Protection |





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Accessories & Replacement Parts:



Mounting Accessories (Order Separately, Field Installed)

- PTSB1S*** Single Pole Tenon Spoke Bracket, 2 3/4" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
- PTSB290S*** Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
- PTSB2180S*** Twin Pole Tenon Spoke Bracket, 2 3/4" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
- PTSB390S*♦** Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
- PTSB3120S*♦** Triple Pole Tenon Spoke Bracket, 2 3/4" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
- PTSB490S*♦** Quad Pole Tenon Spoke Bracket, 2 3/4" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

*Specify Color: Z=Bronze, C=Custom (Consult Factory)

♦Non-stock item. Consult factory for lead time.

Replacement Parts (Order Separately, Field Installed)

- LV4ALL** SoftLED LumaLens Opal Polycarbonate Vandal-Resistant Lens
- LV4APC** Clear Polycarbonate Vandal-Resistant Lens
- FL90SF*** External Mount Die-Cast Adjustable Slipfitter for 2 3/4" Tenons, Powdercoat Finish, Includes Hardware.

*Specify Color: Z=Bronze, C=Custom (Consult Factory)

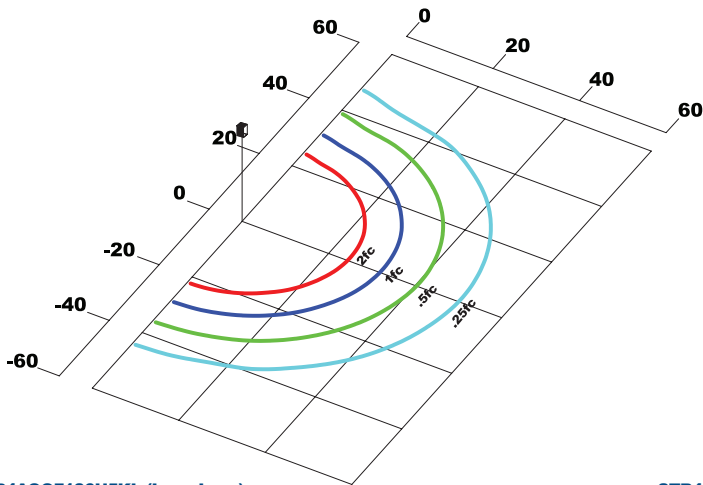
EPA (Effective Projected Area)

Shown with Slipfitter

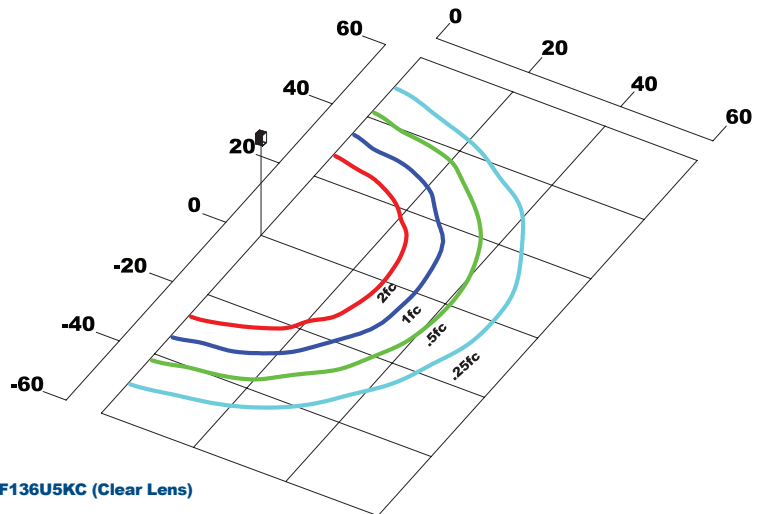
Note: Calculations for fixtures tilted up to 30°

| Configuration | EPA (Sq. Ft.) | Weight (Lbs.) | Configuration | EPA (Sq. Ft.) | Weight (Lbs.) | Configuration | EPA (Sq. Ft.) | Weight (Lbs.) | Configuration | EPA (Sq. Ft.) | Weight (Lbs.) |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1 | 1.65 | 26 Lbs | 2@180° Mount | 3.30 | 52 Lbs | 3@90° Mount | 3.63 | 78 Lbs | 4@90° Mount | 3.63 | 104 Lbs |
| | | | 2@90° Mount | 2.24 | 52 Lbs | 3@120° Mount | 3.30 | 78 Lbs | | | |

Photometric Data



STR4AQF136U5KL (LumaLens)
Type V
Grid in MH
MH=20 Feet



STR4AQF136U5KC (Clear Lens)
Type V
Grid in MH
MH=20 Feet



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Photometric Performance

| LED Board Watts | Drive Current (mA) | Input Watts | Optics | 5000 CCT 80 CRI | | | | | 4000 CCT 80 CRI | | | | |
|---------------------------|--------------------|-------------|--------|-----------------|-----|---|---|---|-----------------|-----|---|---|---|
| | | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| EasyLED 112w (Clear Lens) | 525 | 126 | Type V | 16,287 | 129 | 3 | 3 | 3 | 15,636 | 124 | 3 | 3 | 3 |
| EasyLED 112w (LumaLens) | | | Type V | 13,720 | 109 | 3 | 3 | 2 | 13,172 | 105 | 3 | 3 | 2 |
| EasyLED 136w (Clear Lens) | | 152 | Type V | 19,773 | 130 | 4 | 3 | 2 | 18,982 | 125 | 4 | 3 | 2 |
| EasyLED 136w (LumaLens) | | | Type V | 16,594 | 109 | 3 | 3 | 3 | 15,930 | 105 | 3 | 3 | 3 |

Projected Lumen Maintenance

| Data shown for 5000 CCT | | Compare to MH | | | | |
|--------------------------------------|-------------|---------------|------------|------------|-------------|----------------------|
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 25°C |
| L70 Lumen Maintenance @ 25°C / 77°F | 126 | 1.00 | 0.96 | 0.92 | 0.84 | 187,000 |
| L70 Lumen Maintenance @ 25°C / 77°F | 152 | 1.00 | 0.95 | 0.91 | 0.82 | 165,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L70@ 50°C |
| L70 Lumen Maintenance @ 50°C / 122°F | 126 | 1.00 | 0.93 | 0.86 | 0.72 | 107,000 |
| L70 Lumen Maintenance @ 50°C / 122°F | 152 | 1.00 | 0.92 | 0.84 | 0.69 | 96,000 |
| TM-21-11 | Input Watts | Initial | 25,000 Hrs | 50,000 Hrs | 100,000 Hrs | Calculated L80@ 40°C |
| L80 Lumen Maintenance @ 40°C / 104°F | 126 | 1.00 | 0.94 | 0.88 | 0.76 | 82,000 |
| L80 Lumen Maintenance @ 40°C / 104°F | 152 | 1.00 | 0.93 | 0.86 | 0.73 | 74,000 |

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.