



**DIRECT AC  
DRIVERLESS**

**EMI  
SILENT**

**IP67  
CERTIFIED**

**NEMA  
4X**



**BAA  
BABAA  
COMPLIANT**

Proudly made  
in America



## Low-Profile, Driverless, Linkable IP67 LED Linear Luminaire

### Zero-Maintenance Driverless Design

Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime.

### Easy to Install, Quick-Connect Cabling

Convenient push-and-click connectors and cabling make GPX series fixtures easy to install and daisy chain end-to-end or with jumper cables.

### Coextruded Copolyester/ Aluminum Housing

Our patented process combines copolyester and aluminum together, with no seals or gaskets. The result is a single piece enclosure with excellent heatsinking characteristics for long lifetime.

### Superior Chemical & UV Resistance

Seamless polymeric outer shell provides IP67 ingress protection and is specialized for superior chemical resistance. An additional protective coating is available which integrates a UV blocker for outdoor applications.

### Compact, High Output LEDs

Remarkably slim, low-profile, one-inch design, that packs a punch at up to 1,000 lumens per foot.

## PERFORMANCE SUMMARY

Delivered Light Output: Up to 8,000 Lumens

Maximum Run Length: Refer to table on page 2

Efficacy: Up to 130 LPW

CRI: Typical 85 CRI

CCT: 3000K, 4000K & 5000K

Lifetime: 100,000 Hours at 25°C

Warranty: 5 Years

Mounting: Ceiling or wall

Lens: Clear (standard); Diffused (optional)

Protection Class: IP67

Temperature Rating: Operable in temperatures -40°C to 55°C

Voltage: 120 or 277 VAC Input

Power Factor: 0.9 nominal

Surge Protection: Built-in 4KV

Total Harmonic Distortion: < 20%

## FIXTURE SPECIFICATIONS

### Construction & Materials

- Proudly engineered and manufactured in America:
  - Buy American Act (BAA) compliant
  - Build America, Buy America Act (BABAA) compliant
- Waterproof push-and-click connectors
- Patented coextruded copolyester and aluminum housing
  - Seamless polymeric outer shell
  - Integrated aluminum heat spreader
- Double insulated (cabling and fixture)

### Regulatory Qualifications

- cULus Listed
- UL Listed for Wet Locations
- IP67 Certified
- NSF Certified
- NEMA 4X Rated

# ORDERING INFORMATION

| Product    | Length             | Lumen Output                                  | Color Temp.                          | Lens Diffusion                                                                     | UV Protection                                               | Through Wired                                                                                  | Voltage                      |
|------------|--------------------|-----------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------|
| <b>GPX</b> |                    |                                               |                                      |                                                                                    |                                                             |                                                                                                |                              |
|            | <b>2</b><br>2-Foot | <b>SO</b><br>Standard Output<br>600 Lumens/Ft | <b>50K</b> (standard)<br>5000 Kelvin | <b>Blank</b> (standard)<br>Chemical Resistant Clear Lens                           | <b>Blank</b> (standard)<br>No Coating, Rated for Indoor Use | <b>Blank</b> (standard)<br>Connectors on Input & Output for<br>ability to Daisy Chain fixtures | <b>120V</b><br>120 VAC Input |
|            | <b>4</b><br>4-Foot | <b>HO</b><br>High Output<br>1000 Lumens/Ft    | <b>40K</b><br>4000 Kelvin            | <b>GC</b> (glare control)<br>Chemical Resistant Lens with<br>Added Diffusion Sheet | <b>UVO</b><br>Outdoor-Rated with UV-Blocking<br>Coating     | <b>SE</b> (Single-Ended)<br>Connector on Input Only, No<br>Daisy Chain, for Standalone Install | <b>277V</b><br>277 VAC Input |
|            | <b>6</b><br>6-Foot |                                               | <b>30K*</b><br>3000 Kelvin           |                                                                                    |                                                             |                                                                                                |                              |
|            | <b>8</b><br>8-Foot |                                               | *Available in 120V only              |                                                                                    |                                                             |                                                                                                |                              |

# FIXTURE DIMENSIONS

| Model | Fixture Diameter | Fixture Length |            | Mounted |        |
|-------|------------------|----------------|------------|---------|--------|
|       |                  | Thru Wire      | Single End | Width   | Height |
| GPX2  | 1.00"            | 25.15"         | 24.00"     | 1.25"   | 1.75"  |
| GPX4  | 1.00"            | 47.15"         | 46.00"     | 1.25"   | 1.75"  |
| GPX6  | 1.00"            | 69.15"         | 68.00"     | 1.25"   | 1.75"  |
| GPX8  | 1.00"            | 91.15"         | 90.00"     | 1.25"   | 1.75"  |

# LUMEN & POWER DATA

| Length & Output | Lumens | Wattage        | Amps @ 120V | Amps @ 277V |
|-----------------|--------|----------------|-------------|-------------|
| GPX2-SO         | 1,200  | 9              | 0.075       | 0.032       |
| GPX4-SO         | 2,400  | 18             | 0.150       | 0.065       |
| GPX6-SO         | 3,600  | 27             | 0.225       | 0.097       |
| GPX8-SO         | 4,800  | 36             | 0.300       | 0.130       |
| GPX2-HO         | 2,000  | 16             | 0.130       | 0.060       |
| GPX4-HO         | 4,000  | 31 (36 @ 277V) | 0.258       | 0.112       |
| GPX6-HO         | 6,000  | 48             | 0.39        | 0.172       |
| GPX8-HO         | 8,000  | 62 (72 @ 277V) | 0.517       | 0.224       |

# MAXIMUM FIXTURE RUN LENGTH

| Cable     | Maximum Fixture Run (Per 1 Leader Cable) 120VAC |                  |                  |                  |                  |                  |                  | Maximum Fixture Run (Per 1 Leader Cable) 277VAC |                  |                  |                  |                  |                  |                  |
|-----------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|           | GPX2-SO<br>(9W)                                 | GPX2-HO<br>(16W) | GPX4-SO<br>(18W) | GPX4-HO<br>(31W) | GPX6-SO<br>(27W) | GPX8-SO<br>(31W) | GPX8-HO<br>(62W) | GPX2-SO<br>(9W)                                 | GPX2-HO<br>(16W) | GPX4-SO<br>(18W) | GPX4-HO<br>(31W) | GPX6-SO<br>(27W) | GPX8-SO<br>(36W) | GPX8-HO<br>(62W) |
| JMP1 (1') | 66 (198')                                       | 47 (146')        | 37 (185')        | 23 (115')        | 26 (182')        | 20 (180')        | 12 (108')        | 157 (471')                                      | 120 (337')       | 89 (445')        | 58 (290')        | 63 (441')        | 20 (180')        | 30 (270')        |
| JMP2 (2') | 59 (236')                                       | 41 (170')        | 34 (204')        | 21 (126')        | 24 (192')        | 19 (190')        | 12 (120')        | 141 (564')                                      | 104 (398')       | 83 (498')        | 55 (330')        | 59 (472')        | 19 (190')        | 30 (300')        |
| JMP4 (4') | 50 (300')                                       | 34 (211')        | 31 (248')        | 19 (152')        | 22 (220')        | 17 (204')        | 10 (120')        | 119 (714')                                      | 85 (498')        | 73 (584')        | 48 (384')        | 54 (540')        | 17 (204')        | 27 (324')        |
| JMP8 (8') | 40 (400')                                       | 27 (275')        | 26 (312')        | 16(192')         | 19 (266')        | 15 (240')        | 9 (144')         | 95 (950')                                       | 66 (651')        | 61 (732')        | 40 (480')        | 46 (644')        | 15 (240')        | 24 (384')        |

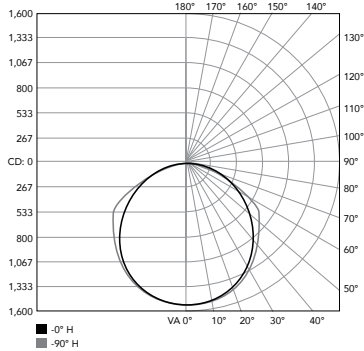
# PHOTOMETRY

## GPX Series

Based on DTC Report Test #: 14404-T

Fixture photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.

## Polar Candela Distribution



## Zonal Lumen Summary

| Zone  | Luminaire |
|-------|-----------|
| 0-30  | 26.2%     |
| 0-40  | 43.2%     |
| 0-60  | 77.4%     |
| 0-90  | 98.5%     |
| 0-180 | 100%      |

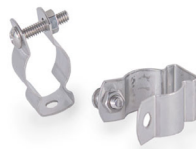
## MOUNTING

G&G will provide the appropriate type (indoor vs. outdoor) and quantity of non-metallic quick latch clip depending on each fixture ordered (two clips per 2' and 4' fixtures, or three clips per 6' and 8' fixtures).

| Part Number        | Description                                                                                |
|--------------------|--------------------------------------------------------------------------------------------|
| MNT-G1-NM-2015     | (1) Non-Metallic Quick Latch Mounting Clip (Indoor)                                        |
| MNT-G1-NM-2020     | (1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor)                                   |
| MNT-G1-SS          | (1) Stainless Steel Bolt Latch Mounting Clip                                               |
| MNT-G1-SS-KIT      | Kit of (3) Stainless Steel Bolt Latch Mounting Clips                                       |
| MNT-G1-MAG-NM-2015 | (1) Non-Metallic Quick Latch Mounting Clip (Indoor) with Maximum Strength Disc Magnet      |
| MNT-G1-MAG-NM-2020 | (1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor) with Maximum Strength Disc Magnet |
| MNT-G1-MAG-SS      | (1) Stainless Steel Bolt Latch Mounting Clip with Maximum Strength Disc Magnet             |



Non-Metallic Quick Latch Mounting Clips



Stainless Steel Bolt Latch Mounting Clips

## CABLING

No jumper cable is required on end-to-end connections. For serviceability and expansion/contraction considerations G&G limits the number of luminaires connected end-to-end (without a jumper cable) to a maximum of 4. *\*Note: Cable lengths are  $\pm 2$  inches*

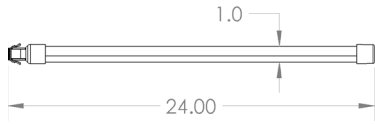
| Cable      | Type         | Wire        | End-to-end Length* | Fixture-to-fixture Length* | Inside Cable Length* |
|------------|--------------|-------------|--------------------|----------------------------|----------------------|
| GPX-JMP-1  | Jumper       | 18 AWG SJTW | 9.6"               | 8"                         | 4.375"               |
| GPX-JMP-2  | Jumper       | 18 AWG SJTW | 31.4"              | 29.75"                     | 26.125"              |
| GPX-JMP-4  | Jumper       | 18 AWG SJTW | 56"                | 54.3"                      | 50.7"                |
| GPX-JMP-8  | Jumper       | 18 AWG SJTW | 103.5"             | 101.875"                   | 98.25"               |
| GPX-LDR-10 | Leader Cable | 18 AWG SJTW | 10'                | -                          | -                    |
| GPX-LDR-25 | Leader Cable | 18 AWG SJTW | 25'                | -                          | -                    |



GPX Cable Push-and-Click Connector

## DIMENSIONAL DRAWINGS

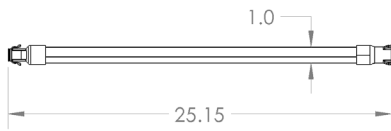
**GPX2SE**



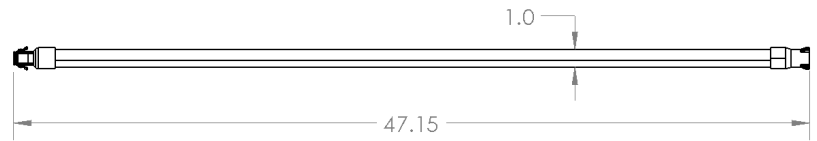
**GPX4SE**



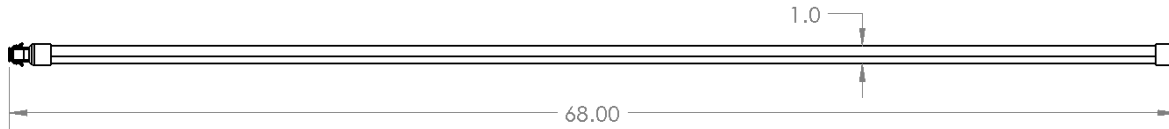
**GPX2**



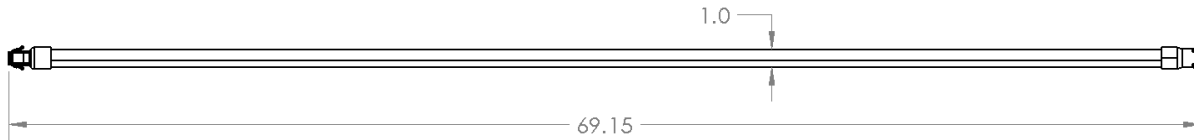
**GPX4**



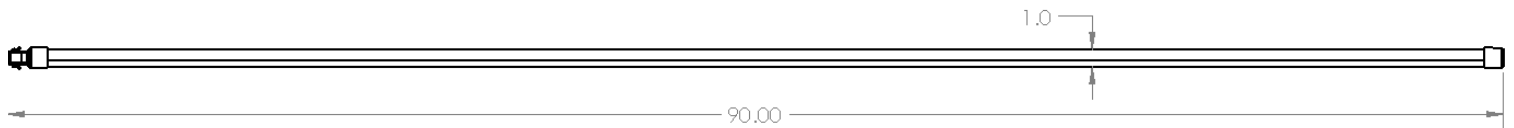
**GPX6SE**



**GPX6**



**GPX8SE**



**GPX8**

