# 2" LED Low Profile Indirect Pendant



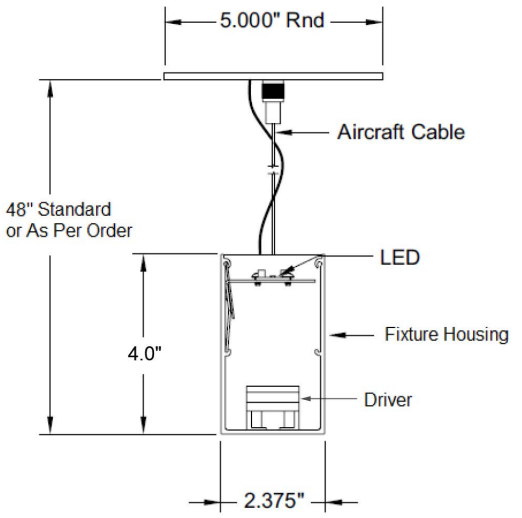


## LED Linear Low Profile Indirect Pendant with Snap-In Lens and Internal Driver

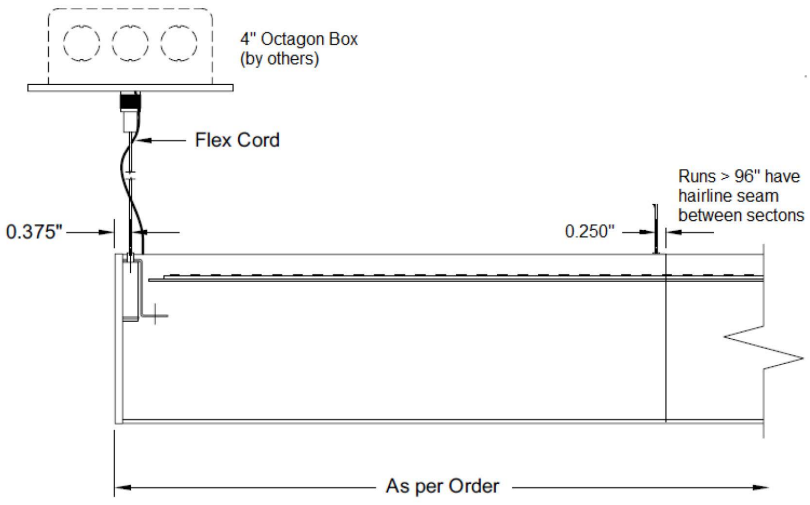
**PU2-LO**

Job Name

Fixture Type




**Fixture Profile**




**Sectional Side View**

**PU2-LO-** [ ] [ ] [ ] [ ] - [ ] - [ ] - [ ]

**INDIRECT** — **Fixture**

| CRI | Color Temperature | Output | Dimming | Lens | Fixture Length | Fixture Color |
|---|---|---|---|---|---|---|
| **8** 80+<br>**9** 90+<br>**R** RGB & RGBW | **27** 2700K *(90CRI only)*<br>**30** 3000K<br>**35** 3500K<br>**40** 4000K<br>**TW** Tunable White (1)(2)<br>**DW** Dim-to-Warm (1)(2)<br>**GB** RGB<br>**G3** RGBW 3000K<br>**G5** RGBW 3500K | **S** Standard<br>**H** High<br>**M** Maximum<br>*Custom: Specify Lm/Ft* (3)<br>**F** Fixed *(for RGBs)* | **S** Std. 0-10V 1%<br>**O** Dim-to-Off (1)(2)<br>**L** Lutron 1% (3)<br>**D** DALI 1%<br>**P** PoE (3)<br>**2** Wire *(phase-cut)*<br>**T** Step *(10%-70%)*<br>**W** Wireless (3)<br>**X** DMX *(RGBs)* | **CL** Clear (Std.)<br>**DF** Diffusion<br>**E1** Extended 1/2"<br>**E2** Extended 2"<br>**AS** Asymmetric<br>**BW** Batwing<br>**LS** Louver Specular | *Nominal:*<br>**24** **36** **48**<br>**60** **72** **84**<br>**96** *(see Pg 2 )*<br>*Custom:*<br>**Cxxx**<br>*(in inches)* | **W** White (std)<br>**B** Black<br>**C** *Custom: Specify RAL#* |

**Mounting**

| Suspension | Hanging Length | Canopy Type | Canopy Color |
|---|---|---|---|
| **CW** Cable with White SJ<br>**CB** Cable with Black SJ (3)<br>**ST** Stem no SJ | **48"** (Cable std)<br>**24"** (Stem std)<br>*Custom Length:*<br>*(in inches)* | **R5** 5" Round, Std.<br>**R2** 2" Round*<br>**S5** 5" Square<br>**S2** 2" Square*<br>**(Non Power Feed Locations Only)* | **W** White, Std.<br>**B** Black<br>*Custom Color: Specify R or S + RAL#* |

Linear low profile indirect pendant utilizing high performance LED boards and lenses. Extruded aluminum housing with internal driver.

*Product Code Example:* **PU2-LO-830HS-CL-C120-W-CW48-R5W**

(1) 90CRI, 2700K-6500K std., others available. Specify CCT range
(2) 0-10V Control, std., others available – Specify (Factory to confirm)
(3) Specify - Factory to confirm

STARFIRE LIGHTING, INC.
7 Donna Drive, Wood-Ridge, NJ 07075
starfirelighting.com

P 201.438.9540
F 201.438.9541

All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.

# 2" LED Indirect Low Profile Pendant - Snap-In Lens with Internal Driver

**PU2-LO**

## Features

- Starfire's proprietary EvenGlow™ system provides uniform lens illumination from end-to-end without lamp imaging, bright spots or shadows at any length.
- Fixtures fabricated to any length without custom engineering.
- Exceptional lumen per watt efficiency.
- High efficiency, low cost Tunable White, Dim-to-Warm, and RGB & RGBW options.
- High performance lenses in clear (std), diffusion, asymmetric, batwing distribution plus louvered specular.
- Combine with welded corner Connectors to form small or large scaled patterns of uniform light.

## Mounting

- Round canopies (std), square available. Consult factory for special ceiling conditions.
- Aircraft cable (std), stem optional. Mounting location 0.375" from end of fixture.
- Contact factory for fixture length >96".

## Fixture Specifications

- Housing/Trim: Heavy-duty extruded aluminum.
- Finish: White (std), custom available.
- Weight: Approx. 3.4 lbs. per linear foot
- UL Listed, (indoor non-condensing)
- Consult factory for RGB specifications

## Electrical

- Power consumption: Per specification based on LED configuration.
- Input Voltage: 120-277V universal driver.
- Ambient operating range: -4 °F to +100 °F.
- Internal electronic drivers.
- Integral wiring bus between fixture sections.
- Drivers with full dimming range at any output choice.
- Dimming: 0-10V 1% standard, contact factory for options.
- RGB/W utilizes external Power Supply and DMX Decoder, capable of driving multiple fixture segments.

## **Options** (Consult Factory)

- Occupancy sensor, daylight control module.
- EM battery pack in 4ft segments. Delivers 1000+ total lumen for 90 mins (depending upon configuration). Specify location. (Not for use with RGBs).
- BAA/BABA compliance for some configurations – factory to advise.

**White LED specifications/photometry:** Page 3

**Consult factory for RGB**

## Linear White LEDs

High output edge-to-edge, end-to-end illumination

- Choice of lumen output levels: **S**: Standard, **H**: High, **M**: Max. **C**: Custom (between 200 and 1100 Lm/Ft) depending upon configuration.
- **High Output option***: Up to 1800 Lm/Ft, consult factory.
- LED efficiency: Up to 160 Lm/Wt at Maximum output and 180 Lm/Wt. at Standard Power (at 80+ CRI).
- Proprietary in-house, ultra-tight Vf binned LEDs for uniform intensity.
- Color consistency**: Equal or better than 3 SCDM.
- Tunable Range: 2700K-6500K, other ranges available.
- Dim-to-Warm – Warm range down to 1800K.
- L70: 50,000+ hours at Maximum output.
- 5 year limited warranty***

## Fixture Dimensions

### Fixture Overall Length

| Nominal | Actual |
|---|---|
| **24"** | 22.60" |
| **36"** | 33.62" |
| **48"** | 44.65" |
| **60"** | 55.67" |
| **72"** | 72.20" |
| **84"** | 83.22" |
| **96"** | 94.25" |

***Fixture Length Example:***

For a nominal 36" length (33.62" exact): enter **36.**

To order an exact 36" length: enter **C36.**

Consult factory for fixture installation dimensions

* Consult factory for High Output White channel 1200+ Lm/Ft

** Does not apply to Tunable White

*** See Starfire website for Product Limited Warranty

STARFIRE LIGHTING, INC.
7 Donna Drive, Wood-Ridge, NJ 07075
starfirelighting.com

P 201.438.9540
F 201.438.9541

All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.

## White LED Specifications

### Clear – White LEDs

| 80 CRI | | 4000K | | 3500K | | 3000K | | 2700K (90 CRI) | |
|---|---|---|---|---|---|---|---|---|---|
| Output Setting | Lm/Ft | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt |
| **S** Standard | **400** | 2.5 | 159.5 | 2.6 | 155.1 | 2.7 | 150.7 | 2.9 | 140.7 |
| **H** High | **700** | 4.5 | 155.4 | 4.6 | 151.0 | 4.8 | 146.6 | 5.2 | 135.2 |
| **M** Maximum | **1100** | 7.3 | 150.0 | 7.6 | 145.5 | 7.8 | 141.1 | 7.8 | 128.7 |

LV6

### Diffusion – White LEDs

| 80 CRI | | 4000K | | 3500K | | 3000K | | 2700K (90 CRI) | |
|---|---|---|---|---|---|---|---|---|---|
| Output Setting | Lm/Ft | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt |
| **S** Standard | **400** | 3.2 | 123.3 | 3.3 | 119.8 | 3.4 | 116.4 | 3.7 | 107.9 |
| **H** High | **700** | 5.9 | 119.2 | 6.0 | 115.7 | 6.2 | 112.3 | 6.8 | 103.0 |
| **M** Maximum | **850** | 7.3 | 117.1 | 7.5 | 113.7 | 7.7 | 110.2 | 8.5 | 100.6 |

LV6

### 1/2" Extened Lens – White LEDs

| 80 CRI | | 4000K | | 3500K | | 3000K | | 2700K (90 CRI) | |
|---|---|---|---|---|---|---|---|---|---|
| Output Setting | Lm/Ft | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt |
| **S** Standard | **400** | 3.2 | 126.3 | 3.3 | 122.8 | 3.4 | 119.3 | 3.6 | 110.6 |
| **H** High | **700** | 5.7 | 122.2 | 5.9 | 118.7 | 6.1 | 115.2 | 6.6 | 105.7 |
| **M** Maximum | **850** | 7.1 | 120.2 | 7.3 | 116.7 | 7.5 | 113.1 | 8.2 | 103.3 |

LV6

### 2" Extended Lens – White LEDs

| 80 CRI | | 4000K | | 3500K | | 3000K | | 2700K (90 CRI) | |
|---|---|---|---|---|---|---|---|---|---|
| Output Setting | Lm/Ft | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt |
| **S** Standard | **400** | 2.6 | 151.8 | 2.7 | 147.6 | 2.8 | 143.4 | 3.0 | 133.2 |
| **H** High | **700** | 4.7 | 147.7 | 4.9 | 143.5 | 5.0 | 139.3 | 5.5 | 128.3 |
| **M** Maximum | **850** | 5.8 | 145.6 | 6.0 | 141.4 | 6.2 | 137.2 | 6.8 | 125.9 |

LV6

### Batwing – White LEDs

| 80 CRI | | 4000K | | 3500K | | 3000K | | 2700K (90 CRI) | |
|---|---|---|---|---|---|---|---|---|---|
| Output Setting | Lm/Ft | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt |
| **S** Standard | **400** | 3.2 | 126.0 | 3.3 | 122.4 | 3.4 | 118.9 | 3.6 | 110.3 |
| **H** High | **700** | 5.7 | 121.9 | 5.9 | 118.4 | 6.1 | 114.8 | 6.6 | 105.4 |
| **M** Maximum | **850** | 7.1 | 119.8 | 7.3 | 116.3 | 7.5 | 112.8 | 8.3 | 102.9 |

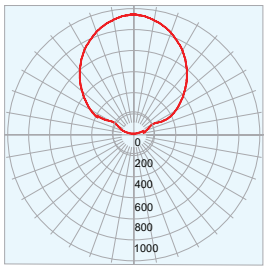
LV6

### Asymmetric – White LEDs

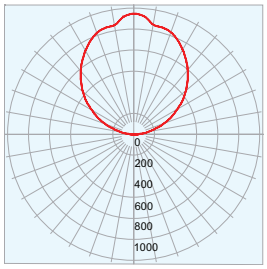
| 80 CRI | | 4000K | | 3500K | | 3000K | | 2700K (90 CRI) | |
|---|---|---|---|---|---|---|---|---|---|
| Output Setting | Lm/Ft | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt | Wt/Ft | Lm/Wt |
| **S** Standard | **400** | 2.9 | 138.9 | 3.0 | 135.0 | 3.1 | 131.1 | 3.3 | 121.8 |
| **H** High | **700** | 5.2 | 134.8 | 5.3 | 130.9 | 5.5 | 127.1 | 6.0 | 116.9 |
| **M** Maximum | **850** | 6.4 | 132.7 | 6.6 | 128.9 | 6.8 | 125.0 | 7.4 | 114.4 |

LV6

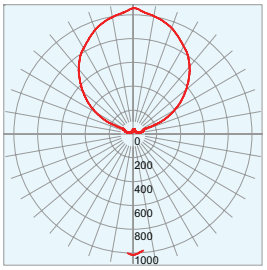
## Photometrics



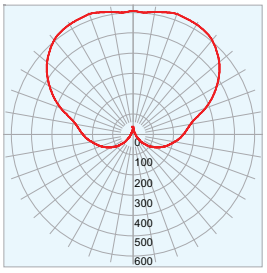
Clear



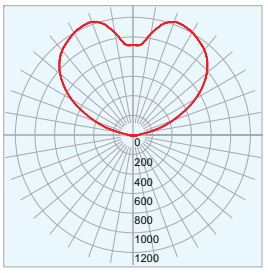
Diffusion



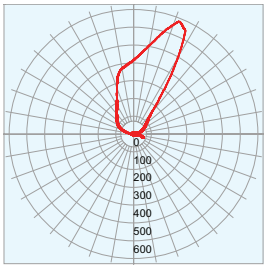
1/2" Extended



2" Extended



Batwing



Asymmetric

starfire

STARFIRE LIGHTING, INC.
7 Donna Drive, Wood-Ridge, NJ 07075
starfirelighting.com

P 201.438.9540
F 201.438.9541

All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.