

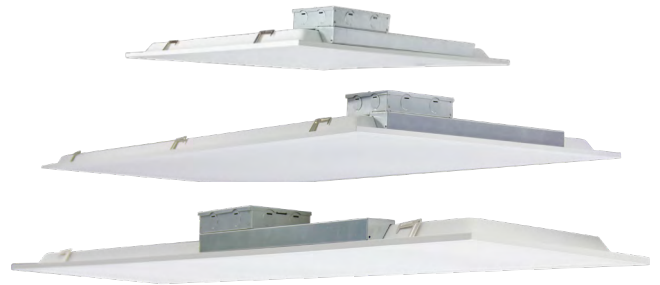


|         |  |
|---------|--|
| Model # |  |
| Type    |  |
| Project |  |
| Date    |  |

# FPH2-SERIES

## LED HYBRID FLAT PANELS

The FPH2-Series Hybrid LED Flat Panel ceiling light is a high performance LED panel that uses a unique back-lit design to provide a longer lasting lighting solution.



### HIGHLIGHTS

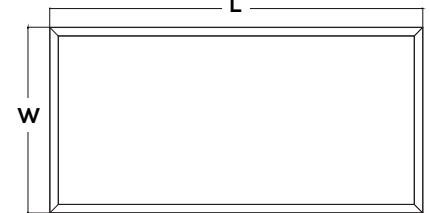
- DLC Standard/Premium listed
- Up to 136 lm/W
- 80+ CRI
- High-strength design resists bowing when hung
- 0-10V Dimming
- Back-lit design never yellows
- Large 5.9" x 4" junction box makes daisy chaining connections quick and easy
- Flicker-free
- Low profile: will fit into any plenum space and directly into existing suspended T-bar ceilings
- Backed by a worry-free 5 year warranty



### APPLICATIONS

Designed for commercial or industrial offices, studios, schools, hospitals, and retail applications.

| DIMENSIONS  |           |                       |                      |                      |                 |
|-------------|-----------|-----------------------|----------------------|----------------------|-----------------|
| VOLTAGE (V) | POWER (W) | L (inches/mm)         | W (inches/mm)        | H (inches/mm)        | WEIGHT (kg/lbs) |
| 100-277     | 30        | 47-11/16"<br>(1212mm) | 11-7/8"<br>(301mm)   | 2-13/16"<br>(71.2mm) | 2.3kg / 5.0lbs  |
| 100-347     |           |                       |                      |                      |                 |
| 100-277     | 30        | 23-13/16"<br>(603mm)  | 23-13/16"<br>(603mm) | 2-1/16"<br>(72.2mm)  | 2.2kg / 4.9lbs  |
|             | 40        |                       |                      |                      |                 |
| 100-347     | 20        |                       |                      |                      |                 |
|             | 30        |                       |                      |                      |                 |
|             | 40        |                       |                      |                      |                 |
| 100-277     | 30        | 47-11/16"<br>(1212mm) | 23-13/16"<br>(603mm) | 2-1/16"<br>(72.2mm)  | 4.1kg / 9.1lbs  |
|             | 40        |                       |                      |                      |                 |
| 100-347     | 30        |                       |                      |                      |                 |
|             | 40        |                       |                      |                      |                 |



## ORDERING GUIDE\*

| SERIES | SIZE      | POWER (W) | DLC         | CCT       | VOLTAGE     |
|--------|-----------|-----------|-------------|-----------|-------------|
| FPH2   | 14: 1'x4' | 20: 20W   | S: Standard | 35: 3500K | 1: 100-277V |
|        | 22: 2'x2' | 30: 30W   | P: Premium  | 40: 4000K | 3: 100-347V |
|        | 24: 2'x4' | 40: 40W   |             | 50: 5000K |             |

### MODEL SELECTION

| SERIES | SIZE | POWER | DLC | CCT | VOLTAGE |
|--------|------|-------|-----|-----|---------|
| FPH2   | 14   | 30    | P   | 35  | 1       |

**EXAMPLE: FPH2-1430P35-1**

\*Not all combinations are available.  
See "Ordering Information" table for the full list of available items.

### ACCESSORIES SELECTION

| ORDER | MODEL #           | DESCRIPTION  |
|-------|-------------------|--|
|       | FPH-ACK11         | Aircraft Cable Kit (1x4 and 2x2 models, 57" long)    |
|       | FPH-ACK21         | Aircraft Cable Kit (2x4 models, 57" long)            |
|       | FPH-14SMK1        | Surface Mount Kit (1x4 models)                       |
|       | FPH-22SMK1        | Surface Mount Kit (2x2 models)                       |
|       | FPH-24SMK1        | Surface Mount Kit (2x4 models)                       |
|       | FHUPS1-UNV-25L-SD | Fulham Emergency Battery, Field Mount, 25W, 100-277V |
|       | FHSWLPWH          | Wall plate for test switch (white)                   |
|       | FHS-TSTWL-BC      | Test switch, wet location (IP67, switch side)        |
|       | FHS-EXT-48-TST    | Extension for test switch with connectors (48")      |

## PRODUCT FEATURES

### CONSTRUCTION

- 6063 Aluminum
- Large 5.9" x 4" junction box
- Acrylic (PMMA) diffuser
- White post-painted frame

### INSTALLATION

- Suspended t-bar ceilings
- Optional: aircraft cable, recessed, suspension, surface mount (optional accessories)

### ELECTRICAL

- "-1" models designed to operate between 100-277V
- "-3" models designed to operate between 100-347V
- LED drivers in all models have 2kV inherent surge protection
- Power Factor >0.9
- THD <20%
- 0-10V dimming, dim to 10%

### LISTINGS & RATINGS

- cETLus
- DLC Standard / Premium
- Damp location
- IC rated
- Listed for use in: -20°C to 45°C / -4°F to 113°F

### RATED LIFE & WARRANTY

- LED system: >60,000 hours at L70
- 5 year warranty (visit [premiseled.com/warranty/](http://premiseled.com/warranty/))





## ORDERING INFORMATION

| INPUT VOLTAGE | SIZE  | POWER (W) | CCT (K)        | MODEL NUMBER   | DELIVERED LUMENS (LM) | EFFICACY (lm/W) | DLC NUMBER   |
|---------------|-------|-----------|----------------|----------------|-----------------------|-----------------|--------------|
| 100-277V      | 1'x4' | 30W       | 4K             | FPH2-1430S40-1 | 3,559 lm              | 117 lm/W        | PLH9ENL1CUHF |
| 100-347V      |       |           | 4K             | FPH2-1430P40-3 | 3,728 lm              | 128 lm/W        | PLL2NC0B7DVD |
| 100-277V      | 2'x2' | 30W       | 4K             | FPH2-2230S40-1 | 3,330 lm              | 109 lm/W        | -            |
|               |       | 40W       | 4K             | FPH2-2240S40-1 | 4,537 lm              | 114 lm/W        | PLL1HZIVE531 |
| 100-347V      |       | 20W       | 4K             | FPH2-2220P40-3 | 2,646 lm              | 136 lm/W        | PL451E40KUJX |
|               |       | 30W       | 4K             | FPH2-2230S40-3 | 3,318 lm              | 117 lm/W        | PLTNKP4K6RWM |
|               |       |           | 4K             | FPH2-2230P40-3 | 3,705 lm              | 128 lm/W        | -            |
|               |       | 40W       | 4K             | FPH2-2240S40-3 | 4,706 lm              | 115 lm/W        | PLYT0NCS0MRQ |
| 100-277V      | 30W   | 3.5K      | FPH2-2430S35-1 | 3,226 lm       | 112 lm/W              | S-EWPAGH        |              |
|               |       | 4K        | FPH2-2430S40-1 | 3,294 lm       | 115 lm/W              | -               |              |
|               |       | 5K        | FPH2-2430S50-1 | 3,429 lm       | 117 lm/W              | -               |              |
|               | 40W   | 3.5K      | FPH2-2440S35-1 | 4,682 lm       | 125 lm/W              | PL1C3QSHMT8F    |              |
|               |       | 4K        | FPH2-2440S40-1 | 4,725 lm       | 126 lm/W              | PL668H0M6DQE    |              |
|               |       | 5K        | FPH2-2440S50-1 | 4,811 lm       | 128 lm/W              | PL67BGNFJ47A    |              |
| 100-347V      | 30W   | 3.5K      | FPH2-2430S35-3 | 3,061 lm       | 109 lm/W              | PLI0YWZSU1ZL    |              |
|               |       | 4K        | FPH2-2430S40-3 | 3,169 lm       | 112 lm/W              | PLRJQVQP31PK    |              |
|               |       | 5K        | FPH2-2430S50-3 | 3,282 lm       | 116 lm/W              | PL1GC1VM1D1S    |              |
|               |       | 4K        | FPH2-2430P40-3 | 3,776 lm       | 133 lm/W              | PL9I5JGRPAK6    |              |
|               | 40W   | 3.5K      | FPH2-2440S35-3 | 4,120 lm       | 110 lm/W              | PLP46VA9D670    |              |
|               |       | 4K        | FPH2-2440S40-3 | 4,186 lm       | 111 lm/W              | PLZQQZ9I0ZVI    |              |
|               |       | 5K        | FPH2-2440S50-3 | 4,261 lm       | 114 lm/W              | PL6EF6GTFS5F    |              |
|               |       | 4K        | FPH2-2440P40-3 | 4,912 lm       | 129 lm/W              | PL9UMMXUSSZH    |              |


\* Based on 4000K ■ DLC Premium

## OPTIONAL ACCESSORIES

### MOUNTING ACCESSORIES

| IMAGE   | DESCRIPTION                           | MODEL NUMBER   |
|---|---------------------------------------|--|
|  | Aircraft Cable for FPH2 Flat Panels   | FPH-ACK11 (1x4 and 2x2 models, 57" long)<br>FPH-ACK21 (2x4 models, 57" long) |
|  | Surface Mount Kit for 1x4 Flat Panels | FPH-14SMK1 (1x4 models)  |
|  | Surface Mount Kit for 2x2 Flat Panels | FPH-22SMK1 (2x2 models)  |
|  | Surface Mount Kit for 2x4 Flat Panels | FPH-24SMK1 (2x4 models)  |

### BATTERY ACCESSORY

| IMAGE   | DESCRIPTION  | MODEL NUMBER   |
|---|--|--|
|  | <p><b>Battery with Accessories</b><br/> <b>Fulham 25W Sinusoidal Emergency Micro Inverter</b><br/>                     Field mounted emergency battery backup with test switch indicator included. Controls up to 150W of load with 0-10V dimming or 25W without. Minimum 90 minutes discharge. Charge time 12 hours. Under voltage, overload and short circuit protection. Remote mount up to 50m (164ft) away with 18AWG. Remote mount test switch up to 20m (65ft). No remote control available. Dimming control. 120-277V Input. IP20 rated. Operation range of 0°C to 50°C (32°F to 122°F)<br/>                     Battery and accessories all ordered separately.</p> <p>Wall plate for test switch (white)<br/>                     Test switch, wet location (IP67, switch side)<br/>                     Extension for test switch with connectors (48")</p> | <p style="text-align: right;">FHUPS1-UNV-25L-SD</p> <p style="text-align: right;">FHSWLPWH<br/>                     FHS-TSTWL-BC<br/>                     FHS-EXT-48-TST</p> |

### PACKING INFORMATION

| MODEL | CASE QUANTITY | PALLET QUANTITY |
|-------|---------------|-----------------|
| 1'x4' | CASE OF 4     | 60              |
| 2'x2' | CASE OF 4     | 72              |
| 2'x4' | CASE OF 4     | 36              |

| ELECTRICAL INFORMATION |       |           |                     |                    |                                    |                                    |                                    |                                    |                                    |
|------------------------|-------|-----------|---------------------|--------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| INPUT VOLTAGE          | SIZE  | POWER (W) | APPARENT POWER (VA) | SYSTEM POWER (W)   | CURRENT DRAW AT 120V <sub>ac</sub> | CURRENT DRAW AT 208V <sub>ac</sub> | CURRENT DRAW AT 240V <sub>ac</sub> | CURRENT DRAW AT 277V <sub>ac</sub> | CURRENT DRAW AT 347V <sub>ac</sub> |
| 100-277V               | 1'x4' | 30W       | 31.6VA              | 30.4W              | 0.263A                             | 0.152A                             | 0.132A                             | 0.116A                             | -                                  |
| 100-347V               |       | 30W       | 29.0VA              | 29.0W              | 0.241A                             | 0.139A                             | 0.124A                             | 0.107A                             | 0.089A                             |
| 100-277V               | 2'x2' | 30W       | 31.6VA              | 32.2W              | 0.263A                             | 0.152A                             | 0.132A                             | 0.116A                             | -                                  |
|                        |       | 40W       | 41.1VA              | 39.7W              | 0.351A                             | 0.202A                             | 0.175A                             | 0.155A                             | -                                  |
|                        |       | 20W       | 20.7VA              | 19.3W              | 0.173A                             | 0.103A                             | 0.092A                             | 0.083A                             | 0.067A                             |
|                        |       | 30W       | 31.5VA              | 28.4W              | 0.264A                             | 0.154A                             | 0.130A                             | 0.112A                             | 0.092A                             |
| 100-347V               |       | 30W       | 29.5VA              | 28.8W              | 0.245A                             | 0.145A                             | 0.127A                             | 0.112A                             | 0.095A                             |
|                        |       | 40W       | 41.5VA              | 40.9W              | 0.353A                             | 0.199A                             | 0.173A                             | 0.149A                             | 0.119A                             |
| 100-277V               | 2'x4' | 30W       | 31.6VA              | 28.6W              | 0.263A                             | 0.152A                             | 0.132A                             | 0.116A                             | -                                  |
|                        |       | 40W       | 41.1VA              | 37.5W              | 0.351A                             | 0.202A                             | 0.175A                             | 0.155A                             | -                                  |
|                        |       | 30W       | 31.5VA              | 28.0W              | 0.264A                             | 0.154A                             | 0.130A                             | 0.112A                             | 0.092A                             |
|                        |       | 30W       | 29.3VA              | 28.3W              | 0.243A                             | 0.141A                             | 0.126A                             | 0.109A                             | 0.091A                             |
| 100-347V               |       | 40W       | 41.5VA              | 42.3W              | 0.353A                             | 0.199A                             | 0.173A                             | 0.149A                             | 0.119A                             |
|                        |       | 40W       | 40.9VA              | 38.0W              | 0.338A                             | 0.199A                             | 0.175A                             | 0.153A                             | 0.129A                             |
| INPUT VOLTAGE          | SIZE  | POWER (W) |                     | INRUSH CURRENT (A) |                                    |                                    | DRIVER SURGE PROTECTION            |                                    |                                    |
| 100-277V               | 1'x4' | 30W       |                     | <30A               |                                    |                                    | L-N: 1KV; L/N-PE: 2KV              |                                    |                                    |
| 100-347V               |       | 30W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
| 100-277V               | 2'x2' | 40W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
|                        |       | 20W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
| 100-347V               |       | 30W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
|                        |       | 40W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
| 100-277V               | 2'x4' | 30W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
|                        |       | 40W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
| 100-347V               |       | 30W       |                     |                    |                                    |                                    |                                    |                                    |                                    |
|                        |       | 40W       |                     |                    |                                    |                                    |                                    |                                    |                                    |

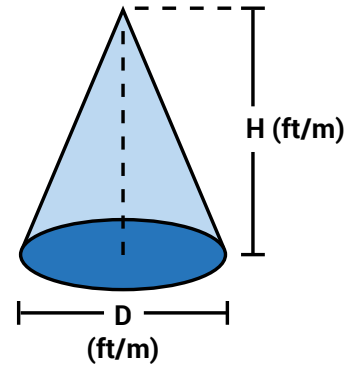
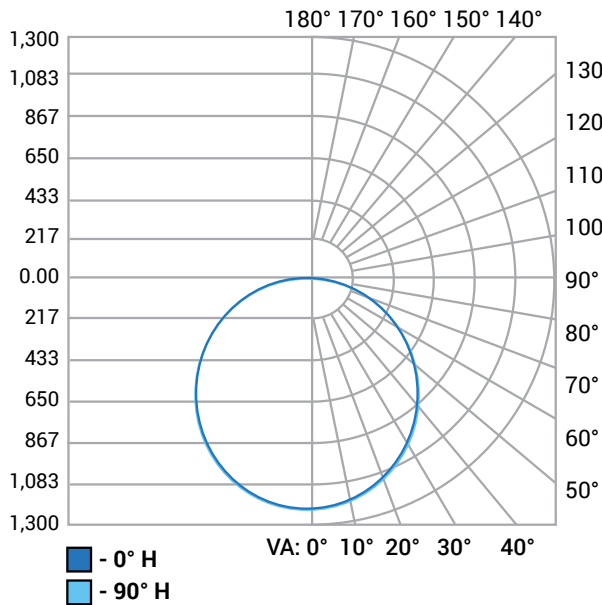
\* Based on 4000K  
 DLC Premium

**PHOTOMETRIC INFORMATION**

**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**1'x4'**  
POWER  
**30W**  
VOLTAGE  
**100-347V**

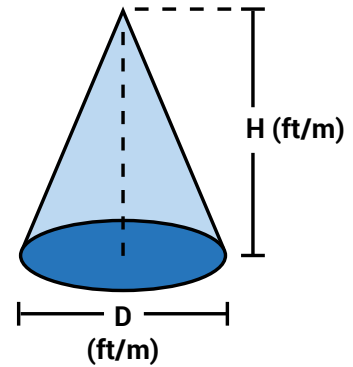
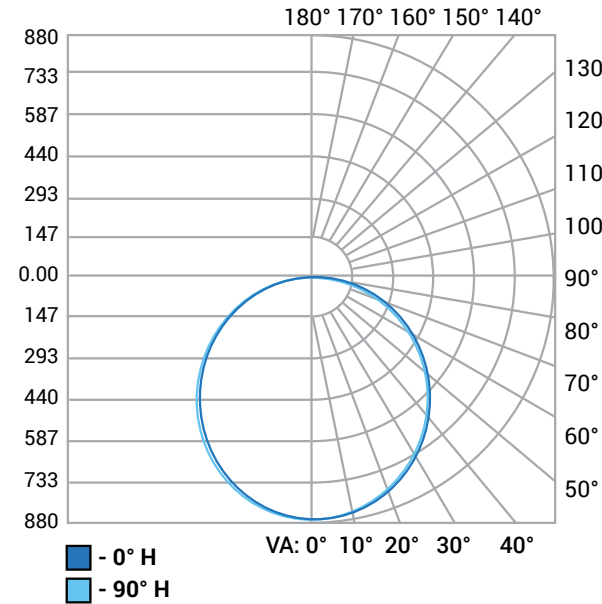


| H (ft/m)   | LUX   | FC   | D (ft/m)      |
|------------|-------|------|---------------|
| 6.6' (2m)  | 305.1 | 28.3 | 20.4' (6.2m)  |
| 9.8' (3m)  | 135.6 | 12.6 | 30.6' (9.3m)  |
| 13.1' (4m) | 76.3  | 7.1  | 41.1' (12.5m) |
| 16.4' (5m) | 48.8  | 4.5  | 51.2' (15.6m) |
| 19.7' (6m) | 18.7  | 1.7  | 61.4' (18.7m) |

**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**2'x2'**  
POWER  
**20W**  
VOLTAGE  
**100-347V**



| H (ft/m)   | LUX   | FC   | D (ft/m)      |
|------------|-------|------|---------------|
| 6.6' (2m)  | 219.7 | 20.4 | 20.4' (6.2m)  |
| 9.8' (3m)  | 97.7  | 9.1  | 30.6' (9.3m)  |
| 13.1' (4m) | 54.9  | 5.1  | 40.7' (12.4m) |
| 16.4' (5m) | 35.1  | 3.3  | 51.0' (15.5m) |
| 19.7' (6m) | 24.4  | 2.3  | 61.1' (18.6m) |

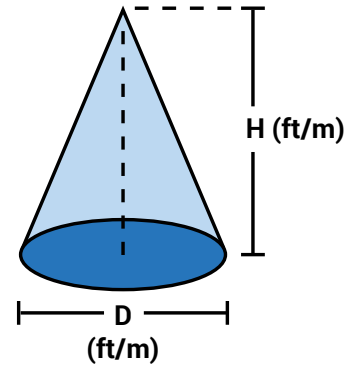
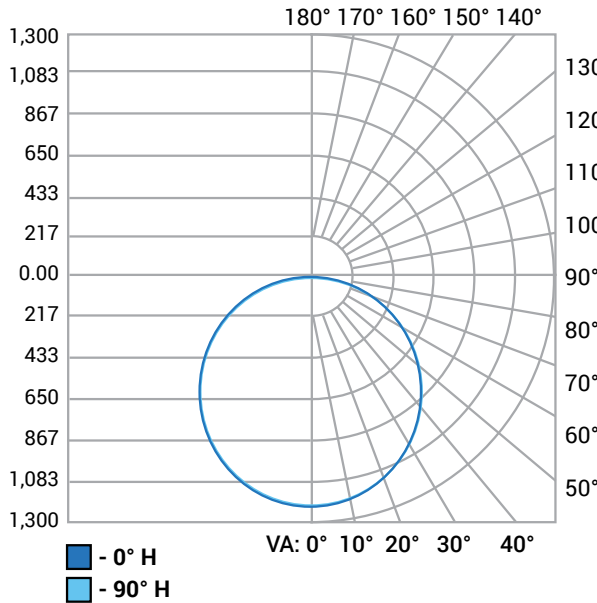
\*Based on operation at 4000K & 120V.

**PHOTOMETRIC INFORMATION**

**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**2'x2'**  
POWER  
**30W**  
VOLTAGE  
**100-347V**

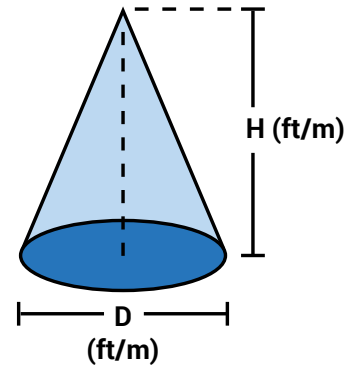
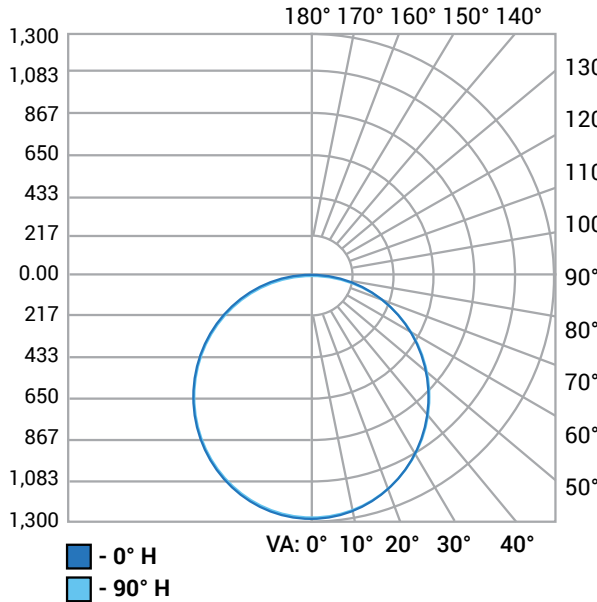


| H (ft/m)   | LUX   | FC   | D (ft/m)      |
|------------|-------|------|---------------|
| 6.6' (2m)  | 305.0 | 28.3 | 20.0' (6.1m)  |
| 9.8' (3m)  | 135.6 | 12.6 | 30.2' (9.2m)  |
| 13.1' (4m) | 76.3  | 7.1  | 40.4' (12.3m) |
| 16.4' (5m) | 48.8  | 4.5  | 50.6' (15.4m) |
| 19.7' (6m) | 33.9  | 3.2  | 60.4' (18.4m) |

**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**2'x4'**  
POWER  
**30W**  
VOLTAGE  
**100-347V**



| H (ft/m)   | LUX   | FC   | D (ft/m)      |
|------------|-------|------|---------------|
| 6.6' (2m)  | 323.6 | 30.1 | 20.4' (6.2m)  |
| 9.8' (3m)  | 143.8 | 13.4 | 30.6' (9.3m)  |
| 13.1' (4m) | 80.9  | 7.5  | 41.1' (12.5m) |
| 16.4' (5m) | 51.8  | 4.8  | 51.2' (15.6m) |
| 19.7' (6m) | 36.0  | 3.3  | 61.4' (18.7m) |

\*Based on operation at 4000K & 120V.

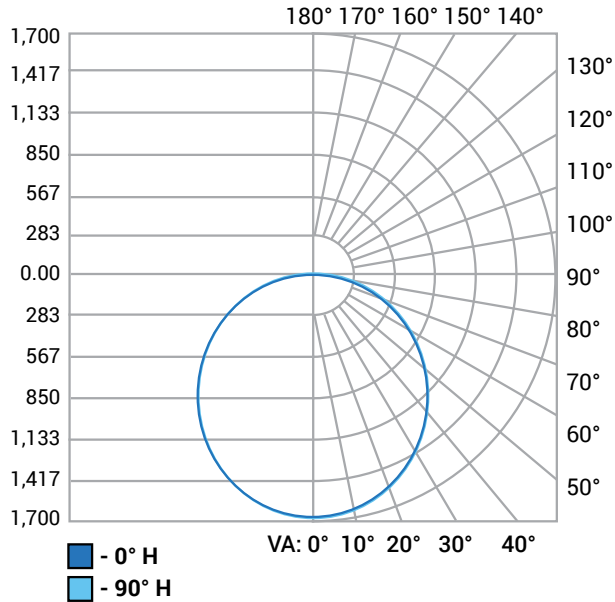
**PHOTOMETRIC INFORMATION**

**POLAR CANDELA DISTRIBUTION**

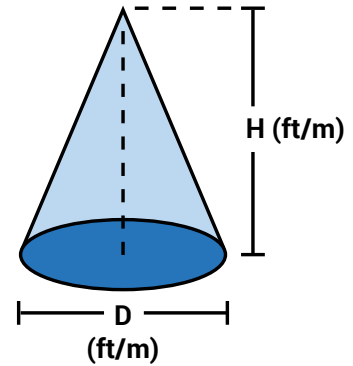
SIZE  
**2'x4'**

POWER  
**40W**

VOLTAGE  
**100-347V**



**ILLUMINANCE AT A DISTANCE**



| H (ft/m)   | LUX   | FC   | D (ft/m)      |
|------------|-------|------|---------------|
| 6.6' (2m)  | 421.2 | 39.1 | 20.4' (6.2m)  |
| 9.8' (3m)  | 187.2 | 17.4 | 30.6' (9.3m)  |
| 13.1' (4m) | 105.3 | 9.8  | 41.1' (12.5m) |
| 16.4' (5m) | 67.4  | 6.3  | 51.2' (15.6m) |
| 19.7' (6m) | 46.8  | 4.4  | 61.4' (18.7m) |

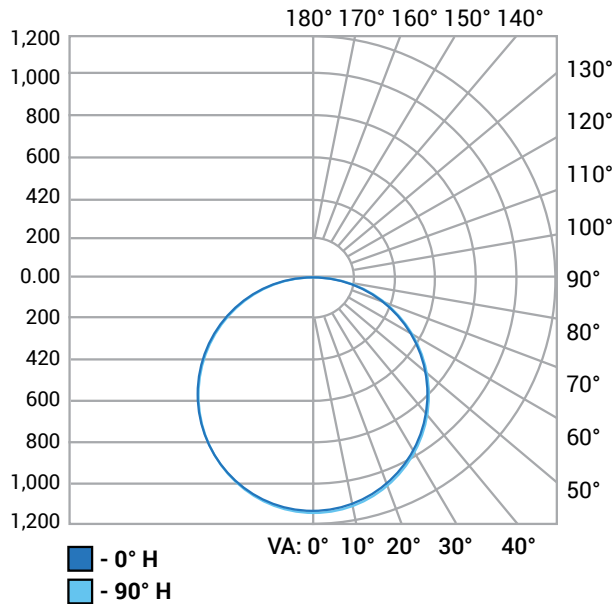
**PHOTOMETRIC INFORMATION**

**POLAR CANDELA DISTRIBUTION**

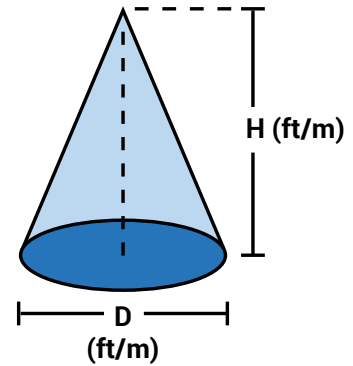
SIZE  
**1'x4'**

POWER  
**30W**

VOLTAGE  
**100-277V**



**ILLUMINANCE AT A DISTANCE**



| H (ft/m)   | LUX   | FC   | D (ft/m)      |
|------------|-------|------|---------------|
| 6.6' (2m)  | 192.1 | 17.9 | 20.4' (6.2m)  |
| 9.8' (3m)  | 85.4  | 7.9  | 30.1' (9.3m)  |
| 13.1' (4m) | 48.2  | 4.5  | 41.1' (12.5m) |
| 16.4' (5m) | 30.7  | 2.9  | 51.2' (15.6m) |
| 19.7' (6m) | 21.3  | 2.0  | 61.4' (18.7m) |

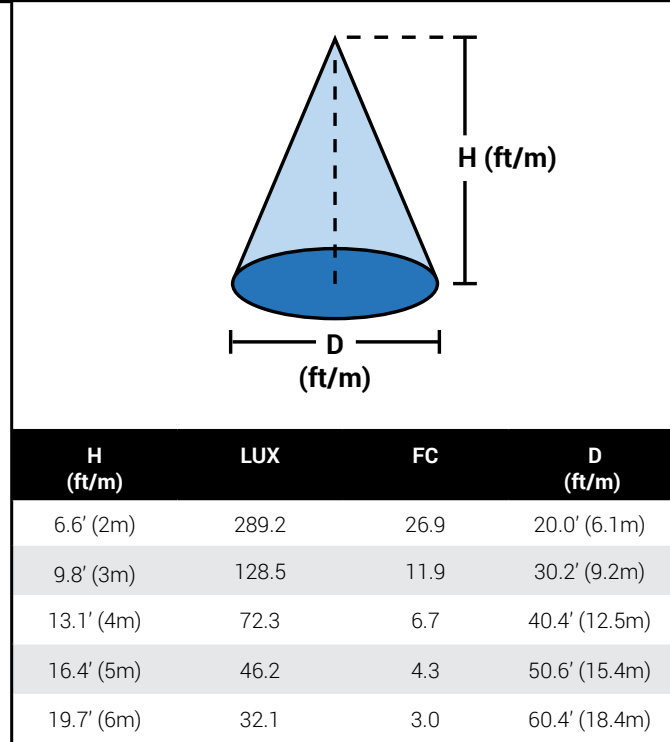
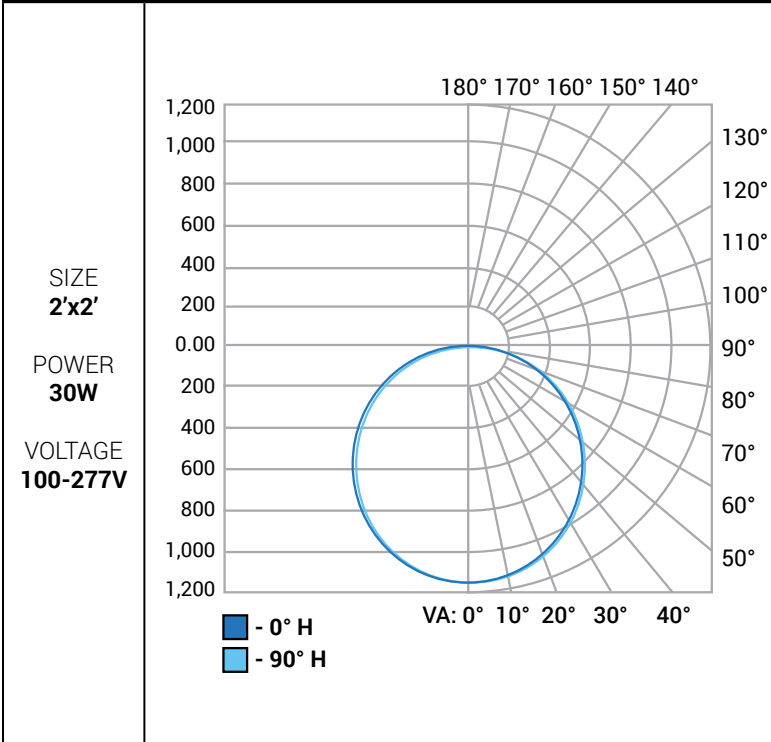
\*Based on operation at 4000K & 120V.



## PHOTOMETRIC INFORMATION

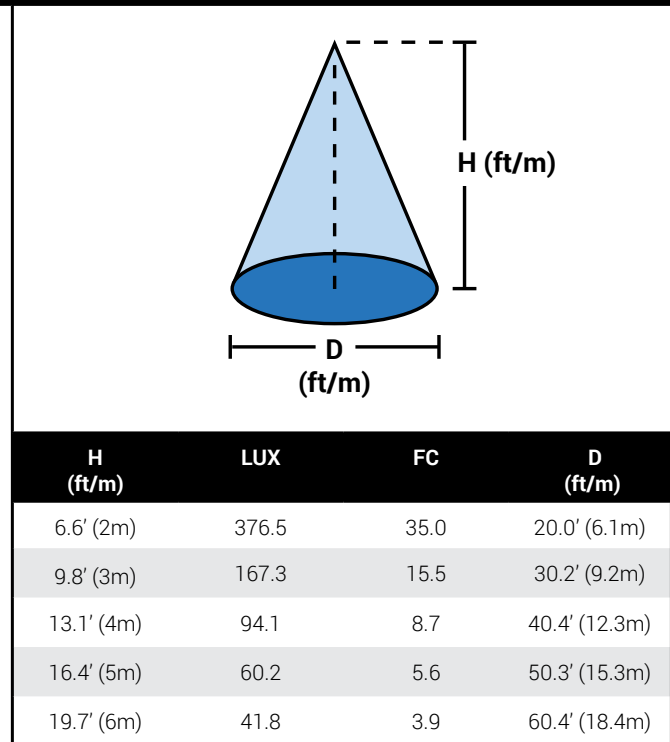
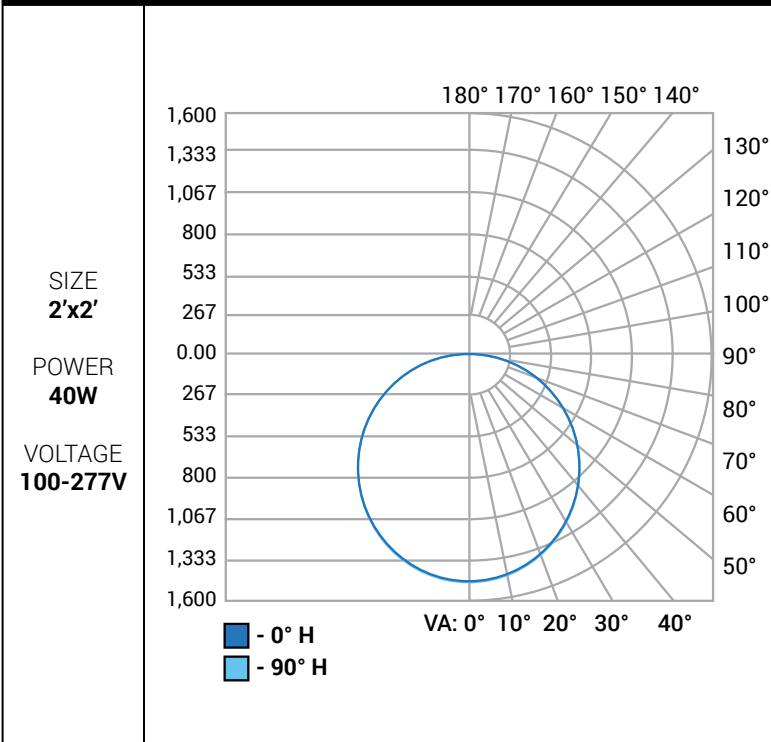
### POLAR CANDELA DISTRIBUTION

### ILLUMINANCE AT A DISTANCE



### POLAR CANDELA DISTRIBUTION

### ILLUMINANCE AT A DISTANCE

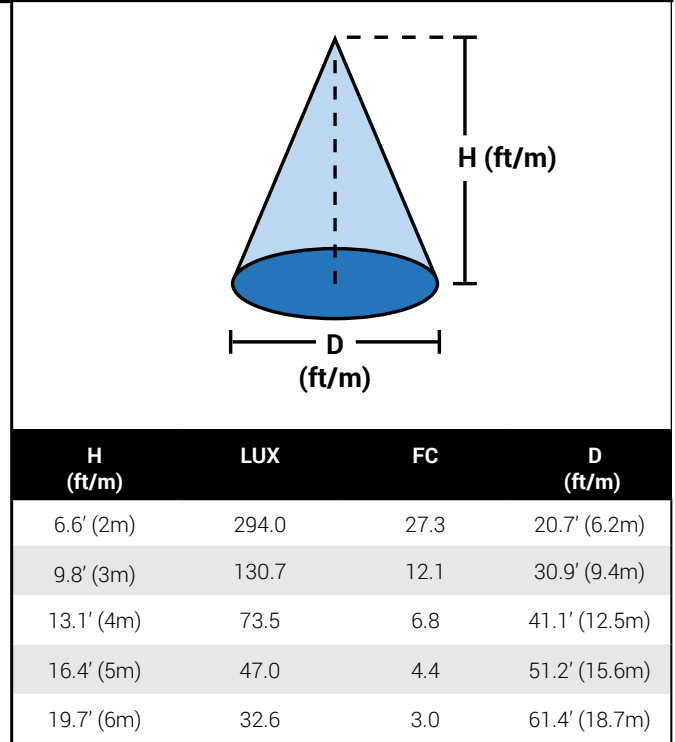
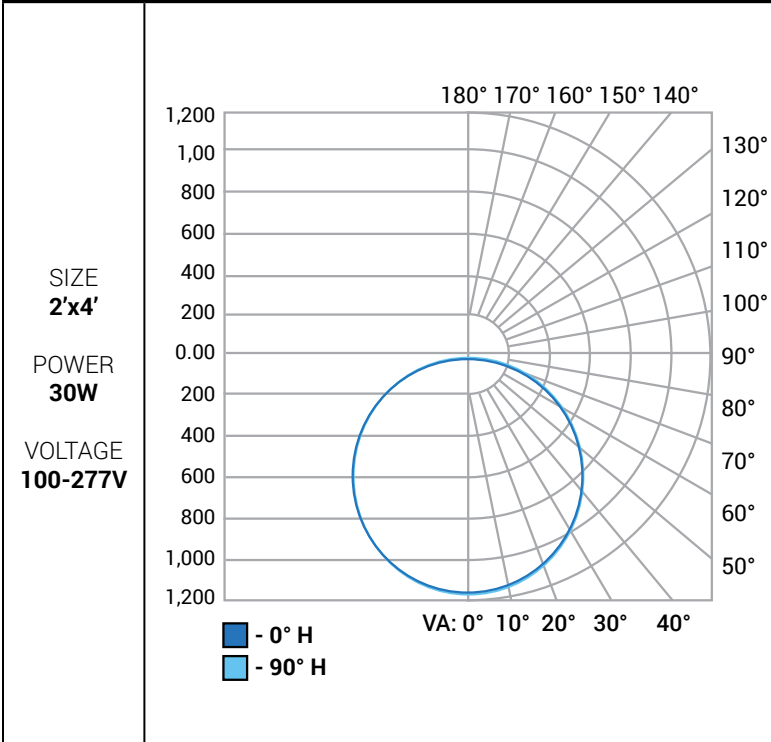


\*Based on operation at 4000K & 120V.

## PHOTOMETRIC INFORMATION

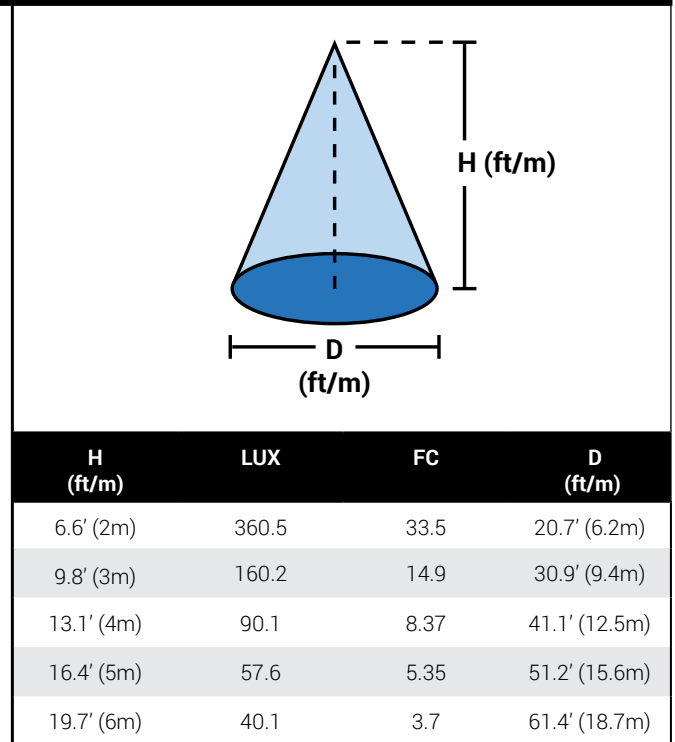
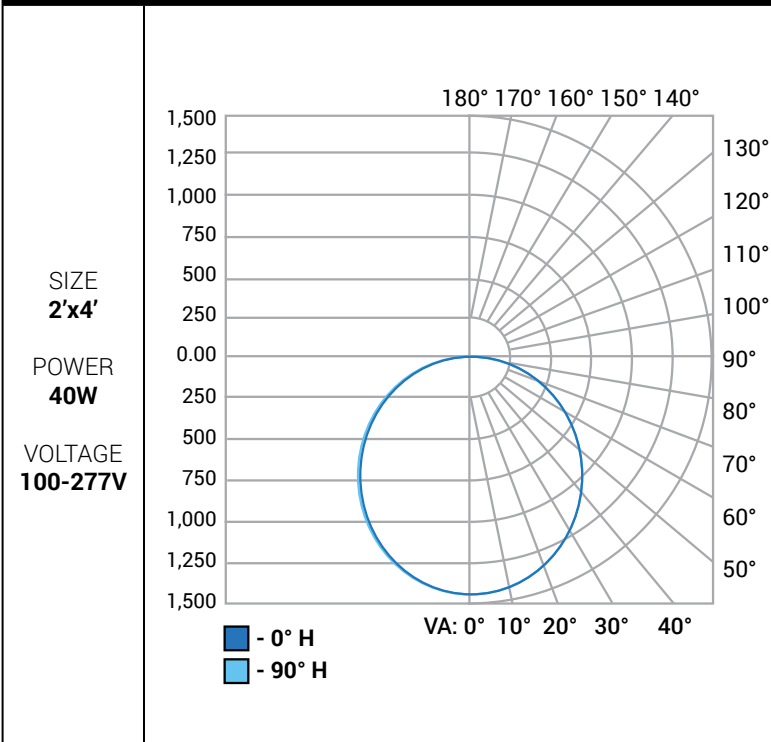
### POLAR CANDELA DISTRIBUTION

### ILLUMINANCE AT A DISTANCE



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### ILLUMINANCE AT A DISTANCE



\*Based on operation at 4000K & 120V.