

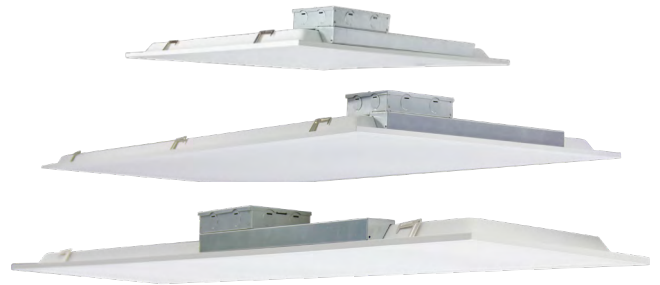


Model #	
Type	
Project	
Date	

# 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

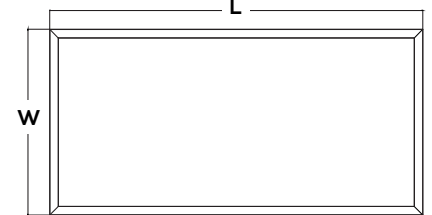
- DLC Standard/Premium listed
- Up to 136 lm/W
- 80+ CRI
- High-strength design resists bowing when hung
- 0-10V Dimming
- Back-lit design never yellows
- Large 5.9" x 4" junction box makes daisy chaining connections quick and easy
- Flicker-free
- Low profile: will fit into any plenum space and directly 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" (1212mm)	11-7/8" (301mm)	2-13/16" (71.2mm)	2.3kg / 5.0lbs
100-347					
100-277	30	23-13/16" (603mm)	23-13/16" (603mm)	2-1/16" (72.2mm)	2.2kg / 4.9lbs
	40				
100-347	20				
	30				
	40				
100-277	30	47-11/16" (1212mm)	23-13/16" (603mm)	2-1/16" (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	PLX2VHDACH26
		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	PLV7381H6Z8E
		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	PLGJNJTKWXEK	
		4K	FPH2-2430S40-1	3,294 lm	115 lm/W	PLZ1SNF2JLFE	
		5K	FPH2-2430S50-1	3,429 lm	117 lm/W	PL04PSZHD32D	
	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	2'x4'	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) 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>  <b>Fulham 25W Sinusoidal Emergency Micro Inverter</b>                      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)                      Battery and accessories all ordered separately.</p> <p>Wall plate for test switch (white)                      Test switch, wet location (IP67, switch side)                      Extension for test switch with connectors (48")</p>	<p>FPHUPS1-UNV-25L-SD</p> <p>FHSWLPWH                      FHS-TSTWL-BC                      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	-
100-347V		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
		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	-
100-347V		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
		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							
100-347V		20W							
		30W							
		40W							
100-277V	2'x4'	30W							
		40W							
100-347V		30W							
		40W							

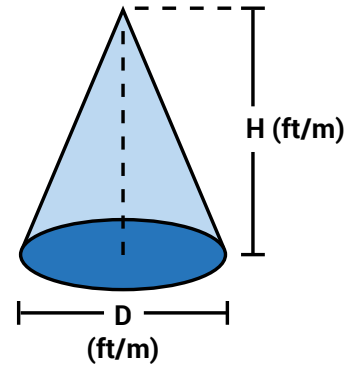
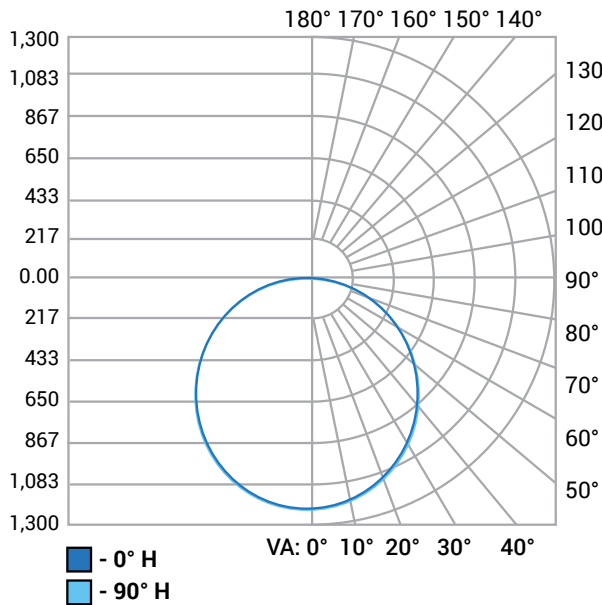
\* Based on 4000K  
 DLC Premium

PHOTOMETRIC INFORMATION - DLC PREMIUM

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

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

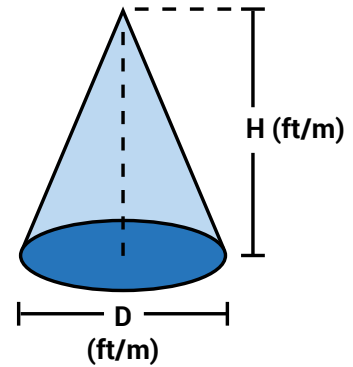
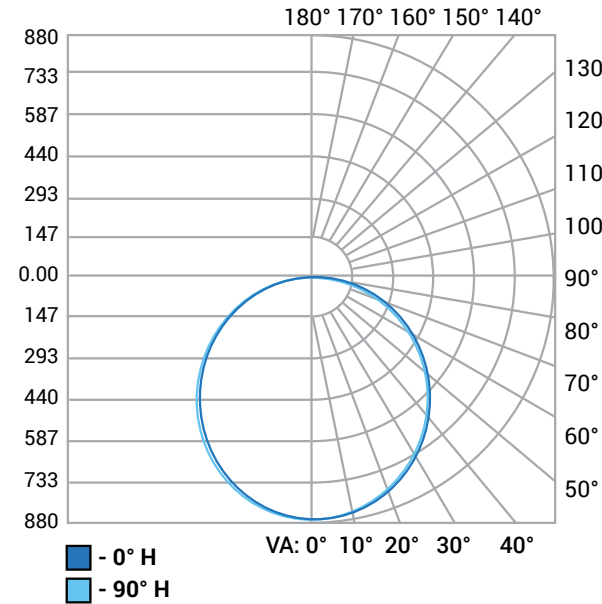


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	305.1	28.3	20.4' (6.2m)
9.8' (3m)	135.6	12.6	30.6' (9.3m)
13.1' (4m)	76.3	7.1	41.1' (12.5m)
16.4' (5m)	48.8	4.5	51.2' (15.6m)
19.7' (6m)	18.7	1.7	61.4' (18.7m)

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 - DLC PREMIUM**

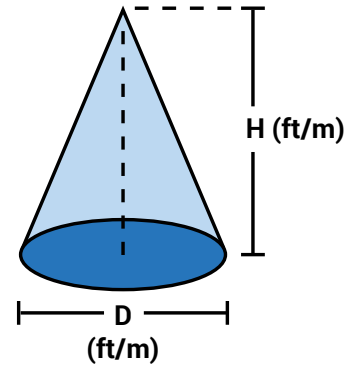
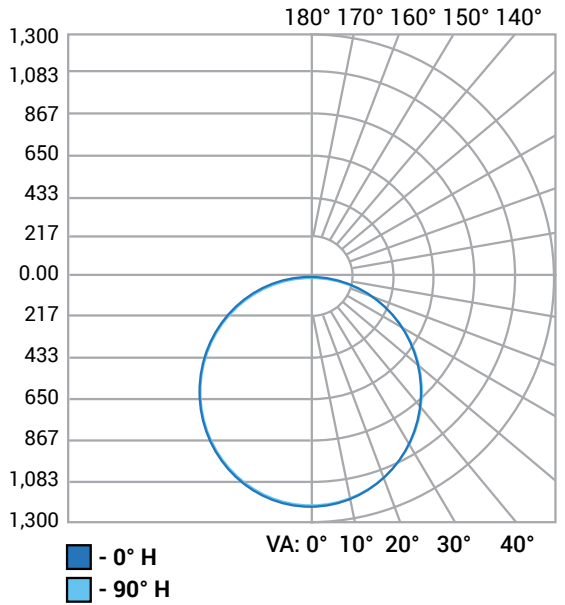
**POLAR CANDELA DISTRIBUTION**

**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)

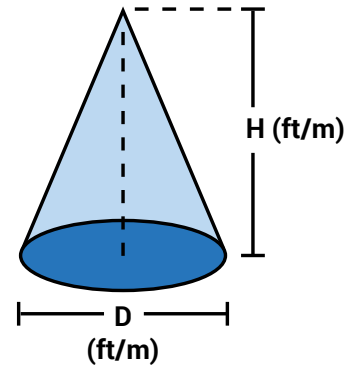
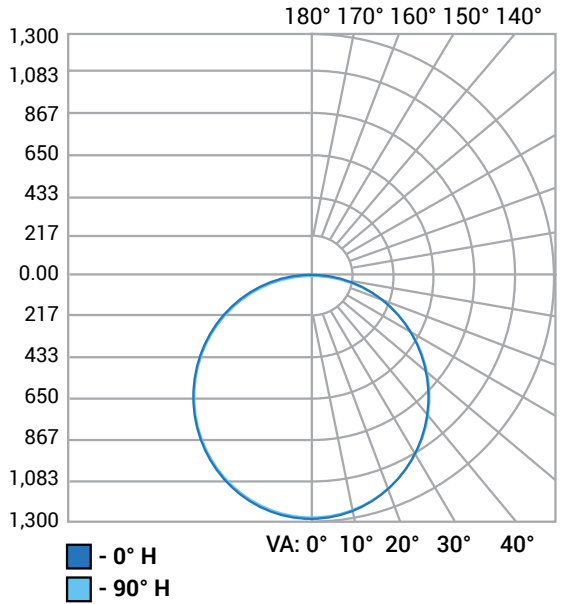
**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**2'x4'**

POWER  
**30W**

VOLTAGE  
**100-347V**

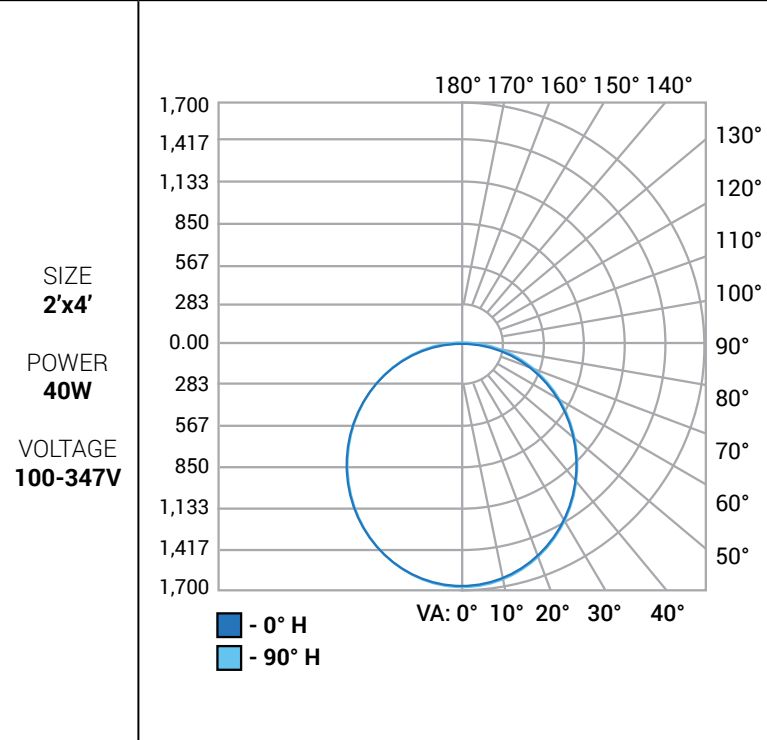


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	323.6	30.1	20.4' (6.2m)
9.8' (3m)	143.8	13.4	30.6' (9.3m)
13.1' (4m)	80.9	7.5	41.1' (12.5m)
16.4' (5m)	51.8	4.8	51.2' (15.6m)
19.7' (6m)	36.0	3.3	61.4' (18.7m)

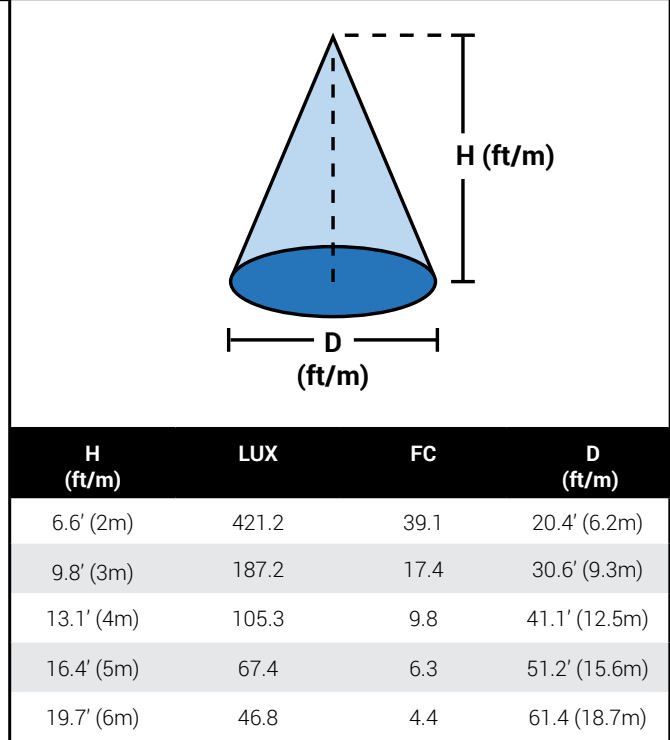
\*Based on operation at 4000K & 120V.

**PHOTOMETRIC INFORMATION - DLC PREMIUM**

**POLAR CANDELA DISTRIBUTION**

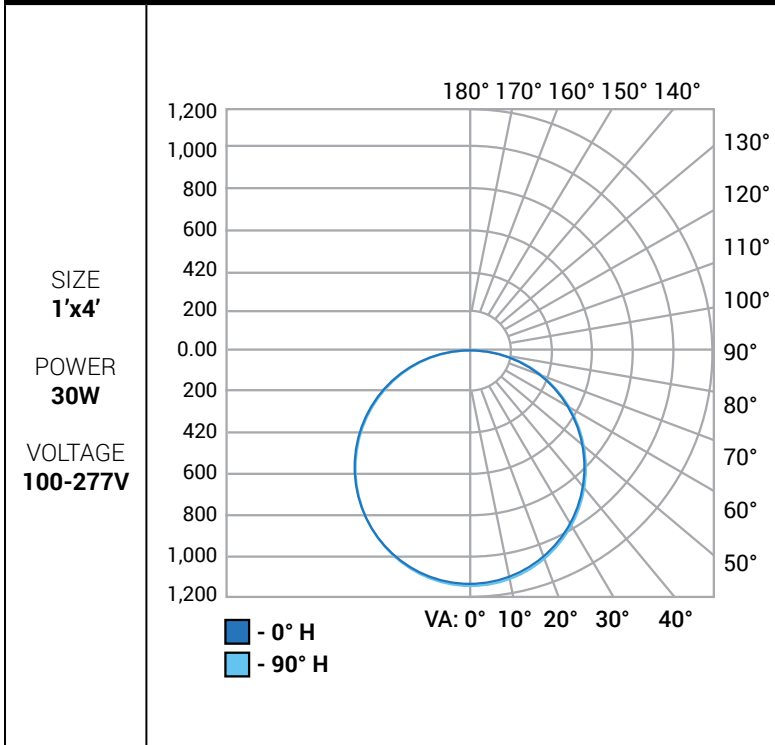


**ILLUMINANCE AT A DISTANCE**

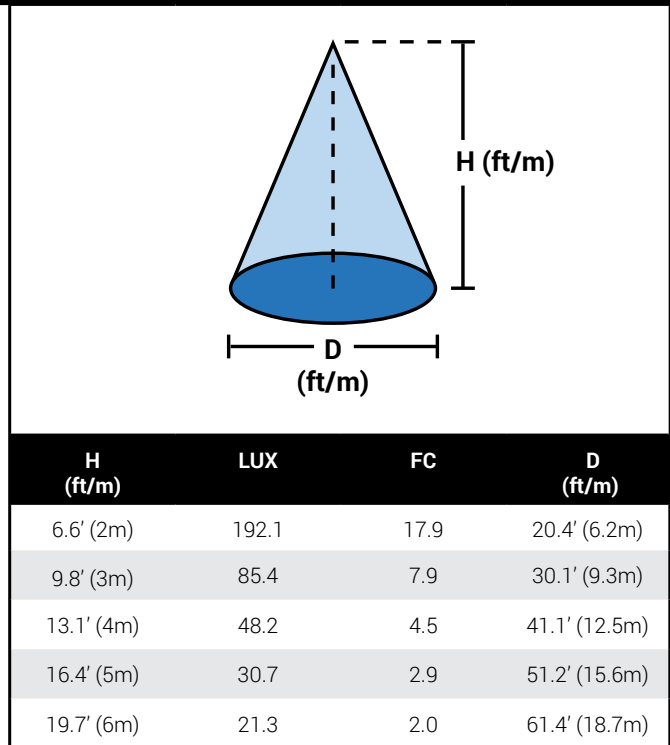


**PHOTOMETRIC INFORMATION - DLC STANDARD**

**POLAR CANDELA DISTRIBUTION**



**ILLUMINANCE AT A DISTANCE**



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



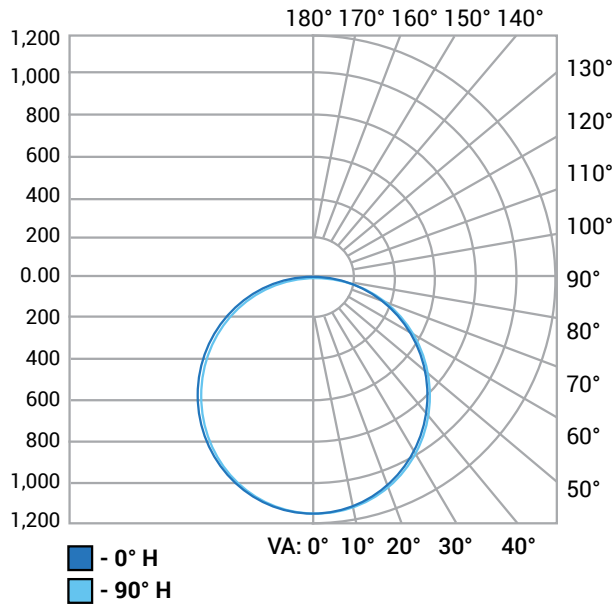
PHOTOMETRIC INFORMATION - DLC STANDARD

POLAR CANDELA DISTRIBUTION

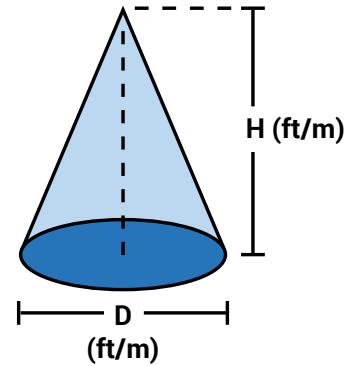
SIZE  
**2'x2'**

POWER  
**30W**

VOLTAGE  
**100-277V**



ILLUMINANCE AT A DISTANCE



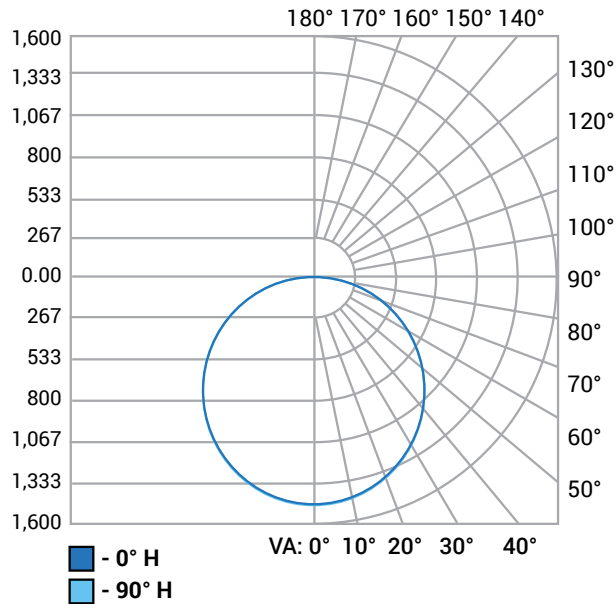
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	289.2	26.9	20.0' (6.1m)
9.8' (3m)	128.5	11.9	30.2' (9.2m)
13.1' (4m)	72.3	6.7	40.4' (12.5m)
16.4' (5m)	46.2	4.3	50.6' (15.4m)
19.7' (6m)	32.1	3.0	60.4' (18.4m)

POLAR CANDELA DISTRIBUTION

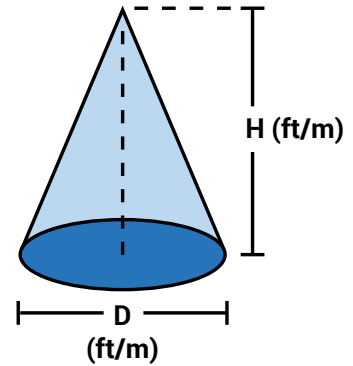
SIZE  
**2'x2'**

POWER  
**40W**

VOLTAGE  
**100-277V**



ILLUMINANCE AT A DISTANCE



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	376.5	35.0	20.0' (6.1m)
9.8' (3m)	167.3	15.5	30.2' (9.2m)
13.1' (4m)	94.1	8.7	40.4' (12.3m)
16.4' (5m)	60.2	5.6	50.3' (15.3m)
19.7' (6m)	41.8	3.9	60.4' (18.4m)

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

**PHOTOMETRIC INFORMATION - DLC STANDARD**

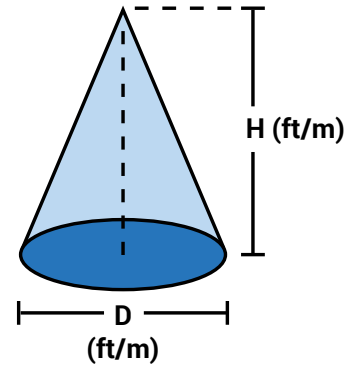
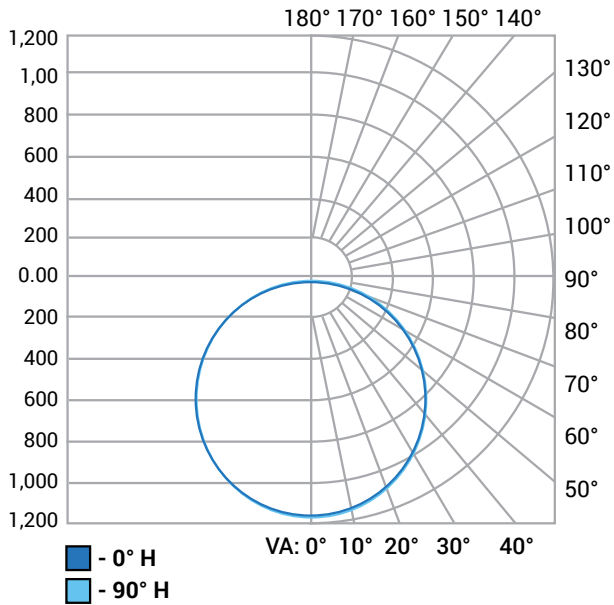
**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**2'x4'**

POWER  
**30W**

VOLTAGE  
**100-277V**



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	294.0	27.3	20.7' (6.2m)
9.8' (3m)	130.7	12.1	30.9' (9.4m)
13.1' (4m)	73.5	6.8	41.1' (12.5m)
16.4' (5m)	47.0	4.4	51.2' (15.6m)
19.7' (6m)	32.6	3.0	61.4' (18.7m)

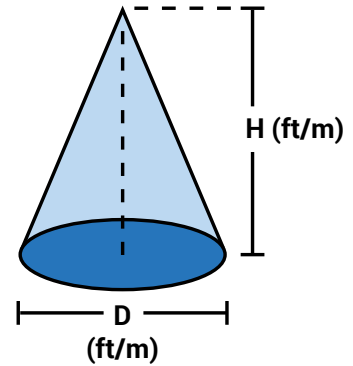
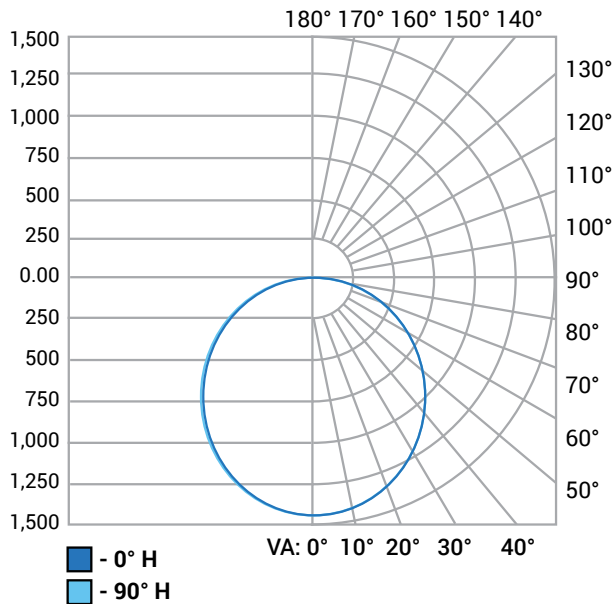
**POLAR CANDELA DISTRIBUTION**

**ILLUMINANCE AT A DISTANCE**

SIZE  
**2'x4'**

POWER  
**40W**

VOLTAGE  
**100-277V**



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	360.5	33.5	20.7' (6.2m)
9.8' (3m)	160.2	14.9	30.9' (9.4m)
13.1' (4m)	90.1	8.37	41.1' (12.5m)
16.4' (5m)	57.6	5.35	51.2' (15.6m)
19.7' (6m)	40.1	3.7	61.4' (18.7m)

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