



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 Dimmable
- 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



APPLICATIONS

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

DIMENSIONS

VOLTAGE (V)	WATTAGE (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: 120-277V
		22: 2'x2'	30: 30W	P: Premium		40: 4000K		3: 120-347V
		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

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/)

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	PLL2NCOB7DVD
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	PLYTONCS0MRQ
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	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) FPH-ACK21 (2x4 models)
	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)

Specifications and dimensions subject to change without notice.

3401 ENTERPRISE PARKWAY
BEACHWOOD, OH USA 44122

80-86 CARRIER DRIVE
TORONTO, ON CANADA M9W 5R1

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 WATTAGE (W)	CURRENT DRAW AT 120V _{ac}	CURRENT DRAW AT 208V _{ac}	CURRENT DRAW AT 240V _{ac}	CURRENT DRAW AT 277V _{ac}	CURRENT DRAW AT 347V _{ac}
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	WATTAGE (W)		INRUSH CURRENT (A)		SURGE PROTECTION			
100-277V	1'x4'	30W		<30A		L-N: 1KV; L/N-PE: 2KV			
100-347V		30W							
100-277V	2'x2'	30W							
		40W							
100-347V		20W							
		30W							
		40W							
		40W							
100-277V	2'x4'	30W							
		40W							
100-347V		30W							
		40W							

* Based on 4000K

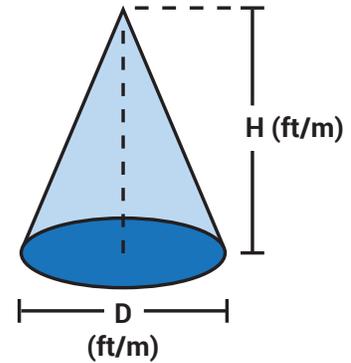
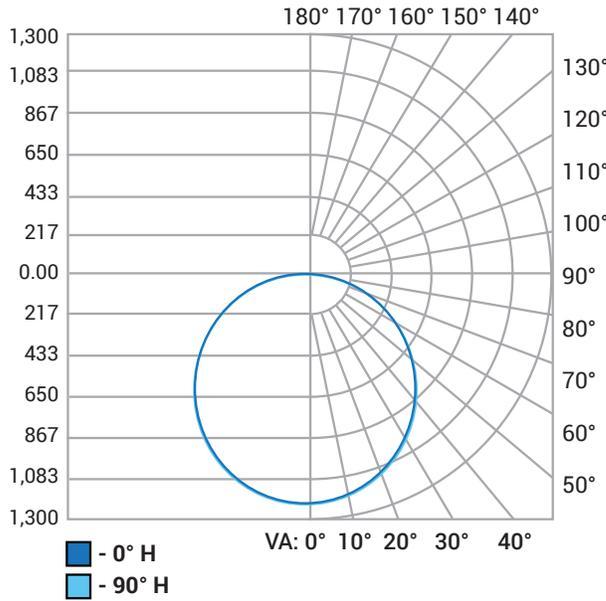
 DLC Premium

PHOTOMETRIC INFORMATION - DLC PREMIUM

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

SIZE
1'x4'
WATTAGE
30W
VOLTAGE
100-347V

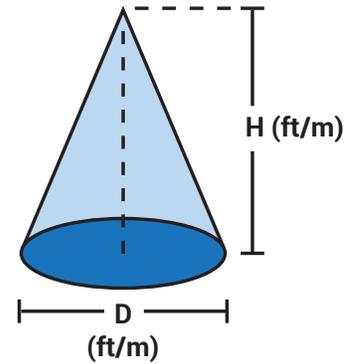
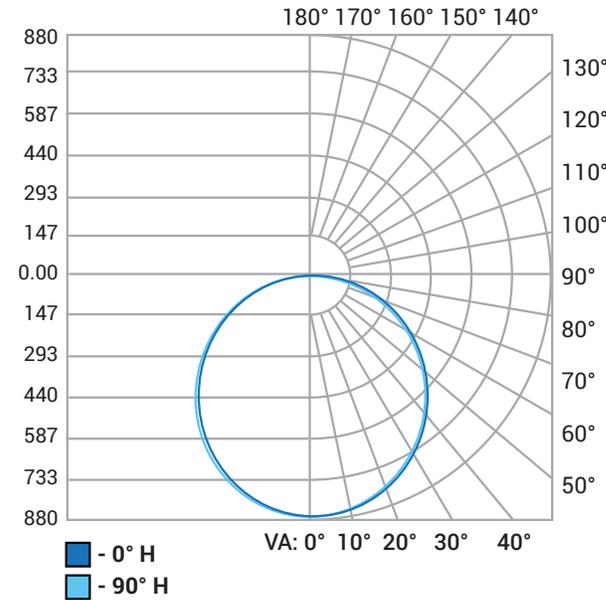


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	305.1	28.3	20.4' (6.2m)
9.8' (3m)	135.6	12.6	30.6' (9.3m)
13.1' (4m)	76.3	7.1	41.1' (12.5m)
16.4' (5m)	48.8	4.5	51.2' (15.6m)
19.7' (6m)	18.7	1.7	61.4' (18.7m)

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

SIZE
2'x2'
WATTAGE
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.

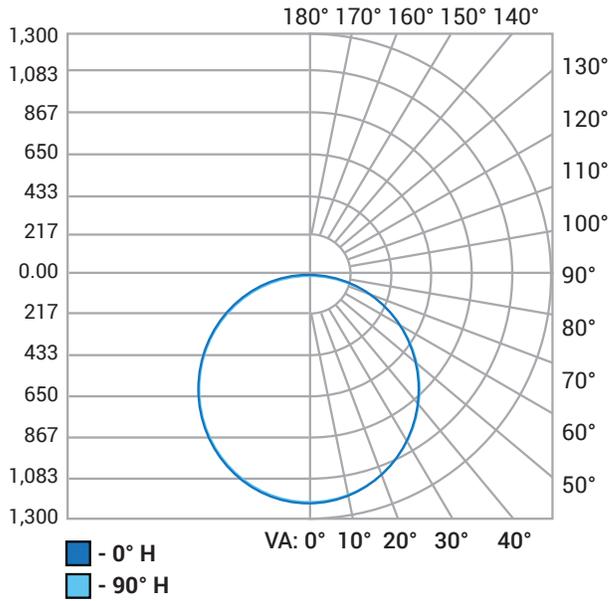
PHOTOMETRIC INFORMATION - DLC PREMIUM

POLAR CANDELA DISTRIBUTION

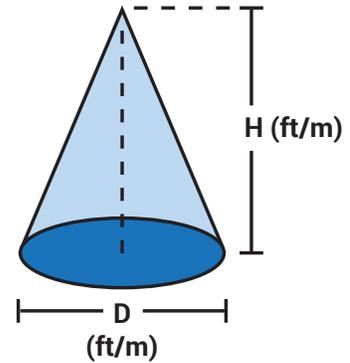
SIZE
2'x2'

WATTAGE
30W

VOLTAGE
100-347V



ILLUMINANCE AT A DISTANCE



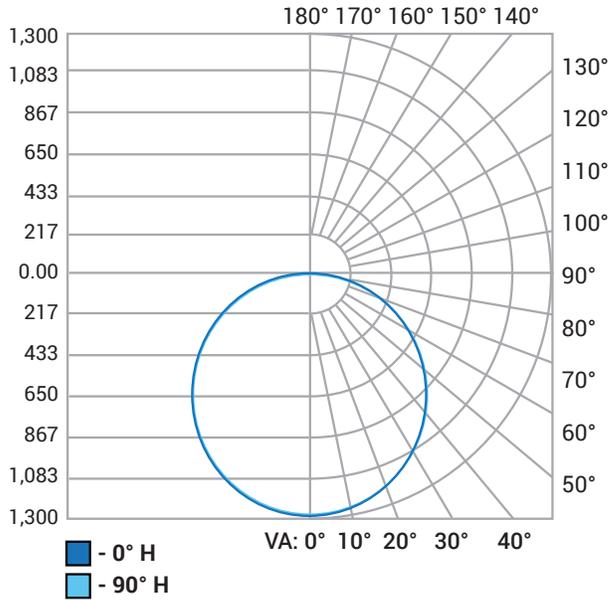
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	305.0	28.3	20.0' (6.1m)
9.8' (3m)	135.6	12.6	30.2' (9.2m)
13.1' (4m)	76.3	7.1	40.4' (12.3m)
16.4' (5m)	48.8	4.5	50.6' (15.4m)
19.7' (6m)	33.9	3.2	60.4' (18.4m)

POLAR CANDELA DISTRIBUTION

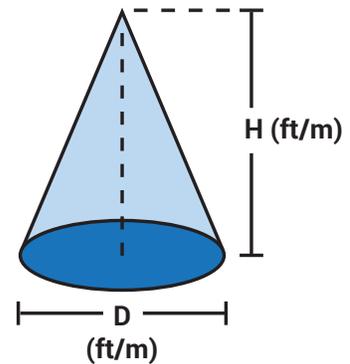
SIZE
2'x4'

WATTAGE
30W

VOLTAGE
100-347V



ILLUMINANCE AT A DISTANCE

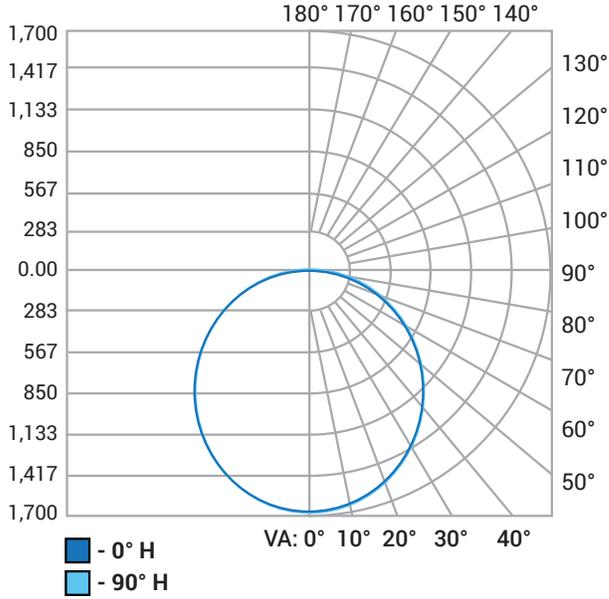


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	323.6	30.1	20.4' (6.2m)
9.8' (3m)	143.8	13.4	30.6' (9.3m)
13.1' (4m)	80.9	7.5	41.1' (12.5m)
16.4' (5m)	51.8	4.8	51.2' (15.6m)
19.7' (6m)	36.0	3.3	61.4' (18.7m)

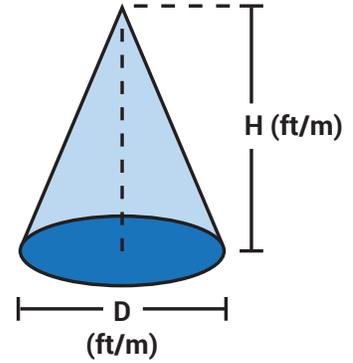
*Based on operation at 4000K & 120V.

PHOTOMETRIC INFORMATION - DLC PREMIUM

POLAR CANDELA DISTRIBUTION



ILLUMINANCE AT A DISTANCE



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)

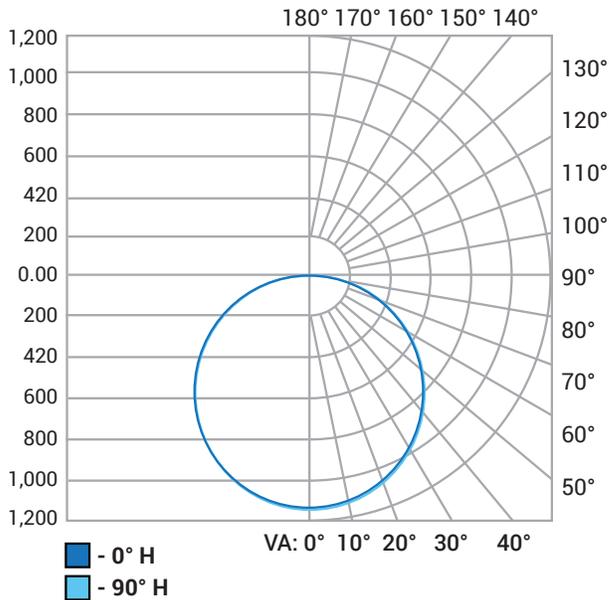
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2'x4'

WATTAGE
40W

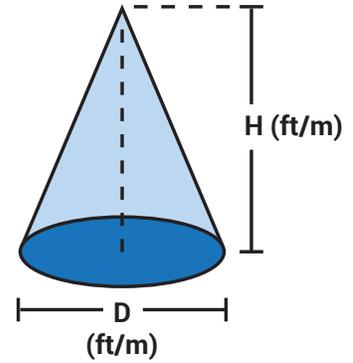
VOLTAGE
100-347V

PHOTOMETRIC INFORMATION - DLC STANDARD

POLAR CANDELA DISTRIBUTION



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)

SIZE
1'x4'

WATTAGE
30W

VOLTAGE
100-277V

*Based on operation at 4000K & 120V.

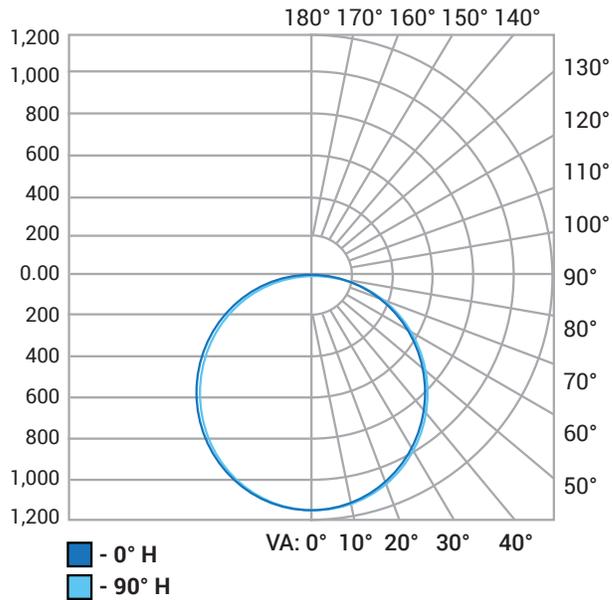
PHOTOMETRIC INFORMATION - DLC STANDARD

POLAR CANDELA DISTRIBUTION

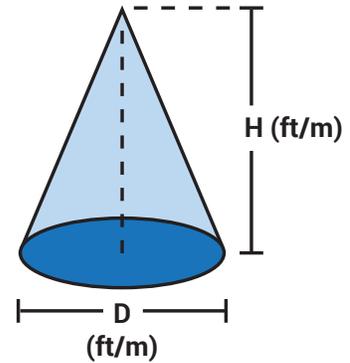
SIZE
2'x2'

WATTAGE
30W

VOLTAGE
100-277V



ILLUMINANCE AT A DISTANCE



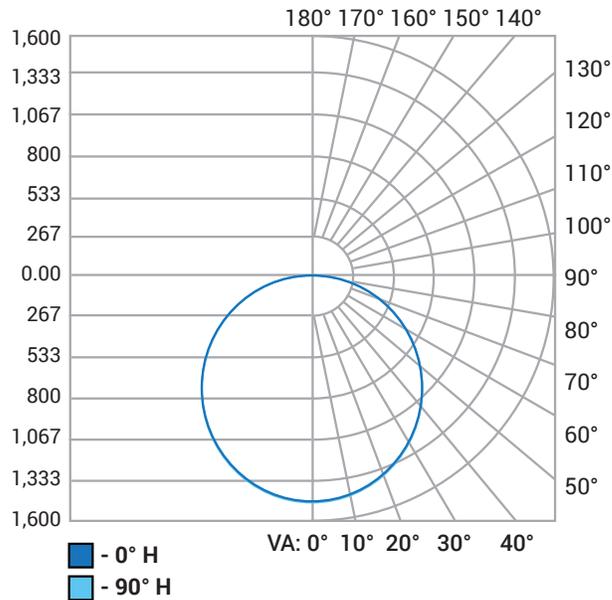
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	289.2	26.9	20.0' (6.1m)
9.8' (3m)	128.5	11.9	30.2' (9.2m)
13.1' (4m)	72.3	6.7	40.4' (12.5m)
16.4' (5m)	46.2	4.3	50.6' (15.4m)
19.7' (6m)	32.1	3.0	60.4' (18.4m)

POLAR CANDELA DISTRIBUTION

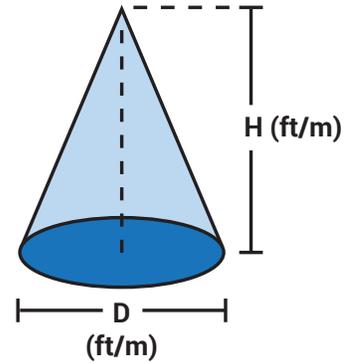
SIZE
2'x2'

WATTAGE
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)

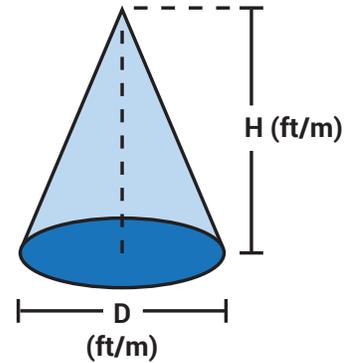
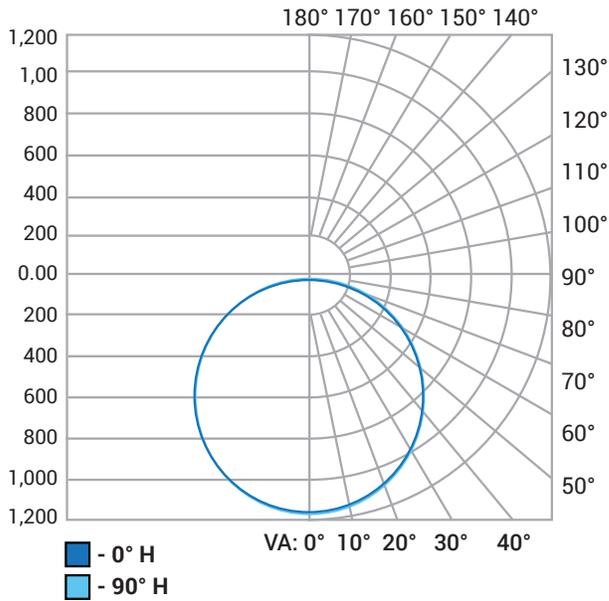
*Based on operation at 4000K & 120V.

PHOTOMETRIC INFORMATION - DLC STANDARD

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

SIZE
2'x4'
WATTAGE
30W
VOLTAGE
100-277V

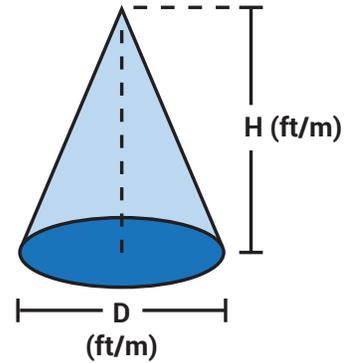
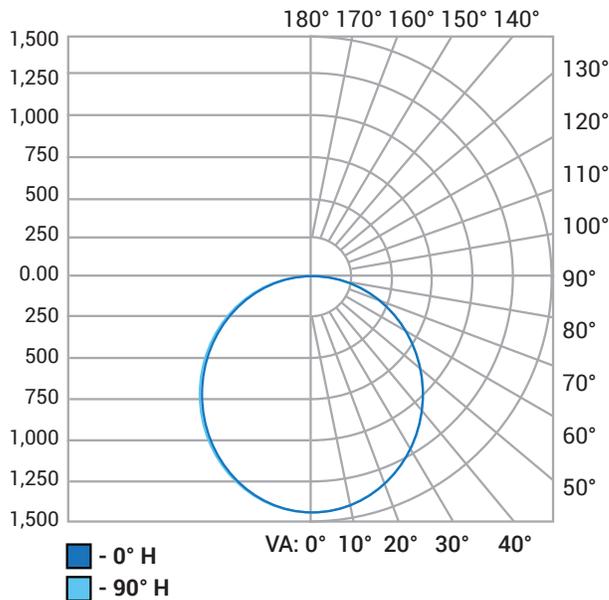


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	294.0	27.3	20.7' (6.2m)
9.8' (3m)	130.7	12.1	30.9' (9.4m)
13.1' (4m)	73.5	6.8	41.1' (12.5m)
16.4' (5m)	47.0	4.4	51.2' (15.6m)
19.7' (6m)	32.6	3.0	61.4' (18.7m)

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

SIZE
2'x4'
WATTAGE
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.