



Model #	
Type	
Project	
Date	

LHB4-SERIES LINEAR HIGH BAY

The LHB4-Series Linear High Bay provides high efficacy and energy savings to projects that require optimized lighting in high ceiling applications. These linear high bays are great as energy efficient replacements for traditional fluorescent fixtures and HID highbays.



HIGHLIGHTS

- Up to 136 lumens/W
- Available in 120-277V, 120-347V, and 120-277/347V
- Flexible mounting options: v-hooks with chain (included) or aircraft cable, pendant, surface mount, threaded rod and ganging (optional accessories)
- Comes pre-corded with a 10-foot white whip
- Power Selectable (320 only)
- Emergency Battery Backup Kit available for continuous operation of lights in emergency mode in the event of power failure
- Includes receptacle for simple plug-and-play microwave or PIR sensors
- 0-10V dimming

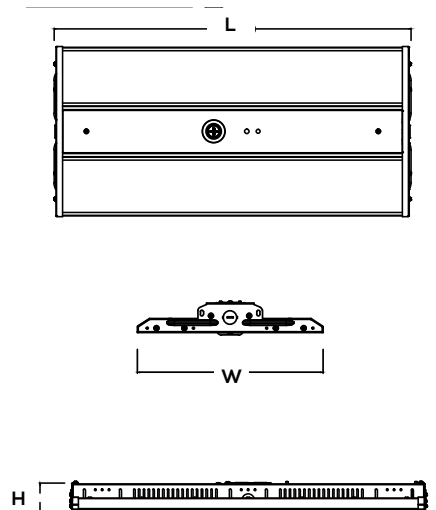


APPLICATIONS

Designed for indoor applications in commercial, corridor, garage, gymnasium, industrial, manufacturing, office, retail and warehouse spaces.

DIMENSIONS

VOLTAGE (V)	POWER (W)	L (inches/mm)	W (inches/mm)	H (inches/mm)	WEIGHT (kg/lbs)
120-277	90	24-13/16" (630 mm)	11-13/16" (300 mm)	1-7/8" (48 mm)	3.5 kg / 7.7 lbs
	130				3.8 kg / 8.4 lbs
	165				4.0 kg / 8.8 lbs
	220	24-13/16" (630 mm)	14 3/16" (360 mm)	1-7/8" (48 mm)	4.5 kg / 9.9 lbs
	320	35-3/8" (900 mm)	15-1/8" (383 mm)	2-3/16" (56 mm)	6.5 kg / 14.3 lbs
120-347	90	24-13/16" (630 mm)	11-13/16" (300 mm)	1-7/8" (48 mm)	3.5 kg / 7.7 lbs
	130				3.8 kg / 8.4 lbs
120-277 /347V	165	24-13/16" (630 mm)	14 3/16" (360 mm)	1-7/8" (48 mm)	4.0 kg / 8.8 lbs
	220				4.5 kg / 9.9 lbs
120-347	320	35-3/8" (900 mm)	15-1/8" (383 mm)	2-3/16" (56 mm)	6.5 kg / 14.3 lbs



ORDERING GUIDE

SERIES	POWER (W)	CCT	VOLTAGE/DIMMING
LHB4	90: 90W 135: 135W 165: 165W 220: 220W 320: 320/290/260W	4: 4000K 5: 5000K	1: 120-277V, 0-10V dimming, internal connection 3: 120-347V, 0-10V dimming, internal connection

FACTORY-INSTALLED OPTIONS

CUSTOM CORD LENGTH*	CORD END	SENSOR	BACKUP BATTERY
Blank: Default 10' 18/3 white cord W1xx: 300V 18/3 SJTW white cord XX to specify length, up to 99' W2xx: 600V 18/3 STW white cord XX to specify length, up to 99' Custom length required (in feet) *If used, custom cord length replaces cord length value	Blank: Default, no cord end N01: 125V 15A straight plug N02: 250V 15A straight plug N04: 125V 15A locking plug N05: 250V 15A locking plug N06: 277V 15A locking plug N07: 125V 20A straight plug N08: 250V 20A straight plug N09: 277V 20A straight plug N10: 125V 20A locking plug N11: 250V 20A locking plug N12: 277V 20A locking plug N13: 347V 20A locking plug N14: 480V 20A locking plug	Blank: Default, no sensor M1: PIR motion sensor, On/Off, 120-347V M2: Microwave motion sensor, dimming, 12VDC M4: Microwave motion sensor, dimming, 120-277V M5: Microwave motion sensor, dimming, 347-480V M10: PIR motion sensor dimming, 120-347V M12: PIR motion sensor, dimming, 12VDC M40: Leviton®, PIR motion sensor, On/Off, 120-347V M41: Leviton®, PIR motion sensor, On/Off, 480V M46: Leviton®, PIR motion sensor, high mount lens, dimming, 120-347V M47: Leviton®, PIR motion sensor, low mount lens, dimming, 120-347V M48: Leviton®, PIR motion sensor, high mount aisle mask, dimming, 120-347V M49: Leviton®, PIR motion sensor, low mount aisle mask, dimming, 120-347V	Blank: Default, no battery EB1: Emergency battery backup (20W, 100-277V only)** **EB1 can not be installed with cord ends.

MODEL SELECTION

SERIES	POWER (W)	CCT	VOLTAGE	X / CORD LENGTH	CORD END	SENSOR	BACKUP BATTERY
LHB4	90	4	1	W115	N01	M4	EB1

FACTORY-INSTALLED OPTIONS

EXAMPLE : LHB4-904-1-W115-N01-M4-EB1

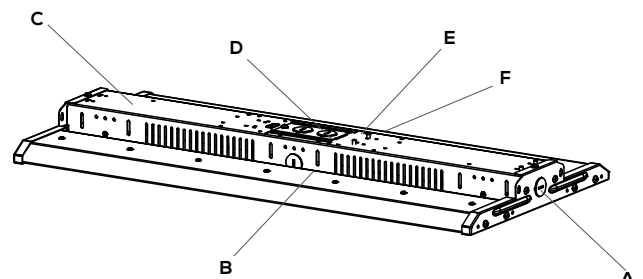
MOUNTING POSITION SELECTION (INDICATE IF ORDERING FACTORY-INSTALLED OPTIONS)

OPTION	MOUNTING POSITION					
CORD	A	B	C	D	E	F
SENSOR	A	C				
BATTERY	E					

- A & C:** Available motion sensor mounting locations (default center mount for M2 & M12)
- D:** Default cord location unless specified otherwise
- E:** Must be used by EB1 if selected

Mounting Positions for Factory-Installed Options

If adding custom cords or sensor, please specify the knockout positions for cords and sensor.



ACCESSORIES SELECTION

ORDER	MODEL #	DESCRIPTION
	LHB4-ACK	Aircraft Cable Kit (47" long)
	LHB4-PMK	Pendant Mount Kit (120-277 and 120-277/347V)
	LHB4-PMK-L	Pendant Mount Kit (120-277/347V, 320W models only)
	LHB4-TRSMK	Threaded Rod/Surface Mount Kit (120-277 and 120-277/347V)
	LHB4-TRSMK-L	Threaded Rod/Surface Mount Kit (120-277/347V, 320W models only)
	LHB4-GK	Ganging Kit (120-277 and 120-277/347V)
	LHB4-GK-L	Ganging Kit (120-277/347V, 320W models only)
	LHB4-WG	Wire Guard (120-277 and 120-277/347V)
	LHB4-WG-L	Wire Guard (120-277/347V, 320W models only)
	RC01	Remote for motion sensors (one remote is required if ordering): MS1-DHR-KO-1 (Factory-installed code M4) MS1-DH-KO-4 (Factory-installed code M5)
	RC02	Remote for motion sensors (one remote is required if ordering): MSF-DMR-12 (Factory-Installed code M2) MSF-DPR-12 (Factory-Installed code M12)
	RC-100	Remote for motion sensor (one remote required if ordering): MS2-DPX3 (Factory-installed code M10)
	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

- White powdercoated stamped steel
- Five (5) 1/2" NPT knockouts for daisy chaining or controls
- 10-foot white 18/3 SJTW / STW cord
- Polycarbonate diffuser

INSTALLATION

- Included: Chain hanging kit (2 x 39" chains with carabiner)
- Optional: Pendant Mount Kit, Threaded Rod Kit, Ganging Kit, Aircraft cable Kit

ELECTRICAL

- "-1" models designed to operate between 120-277V
- "-3" models designed to operate between 120-277/347V or 120-347V
- LED drivers in all models have 4kV inherent surge protection
- Power Factor >0.9
- THD <20%
- 1-10V dimming, dim to 10%

LISTINGS & RATINGS

- cULus
- Damp location
- RoHS compliant
- Listed for use in -40°C to 50°C / -40°F to 122°F




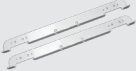
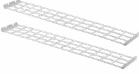
RATED LIFE & WARRANTY


- LED system: >50,000 hours at L70
- 5 year warranty (visit premiseled.com/warranty/)

ORDERING INFORMATION






INPUT VOLTAGE	POWER (W)	CCT (K)	MODEL NUMBER	DELIVERED LUMENS (lm)	EFFICACY (lm/W)
120-277V	90W	4K	LHB4-904-1	12,200 lm	136 lm/W
		5K	LHB4-905-1	12,200 lm	136 lm/W
	130W	4K	LHB4-1304-1	18,000 lm	136 lm/W
		5K	LHB4-1305-1	18,000 lm	136 lm/W
	165W	4K	LHB4-1654-1	22,500 lm	136 lm/W
		5K	LHB4-1655-1	22,500 lm	136 lm/W
	220W	4K	LHB4-2204-1	30,000 lm	136 lm/W
		5K	LHB4-2205-1	30,000 lm	136 lm/W
320W / 290W / 260W	4K	LHB4-320G4-1	43,500 lm	136 lm/W	
	5K	LHB4-320G5-1	43,500 lm	136 lm/W	
120-347V	90W	4K	LHB4-904-3	12,200 lm	136 lm/W
		5K	LHB4-905-3	12,200 lm	136 lm/W
	130W	4K	LHB4-1304-3	18,000 lm	136 lm/W
		5K	LHB4-1305-3	18,000 lm	136 lm/W
120-277/347V	165W	4K	LHB4-1654-3	22,500 lm	136 lm/W
		5K	LHB4-1655-3	22,500 lm	136 lm/W
	220W	4K	LHB4-2204-3	30,000 lm	136 lm/W
		5K	LHB4-2205-3	30,000 lm	136 lm/W
120-347V	320W / 290W / 260W	4K	LHB4-320G4-3	43,500 lm	136 lm/W
		5K	LHB4-320G5-3	43,500 lm	136 lm/W

PACKING INFORMATION		
MODEL	CASE QUANTITY	PALLET QUANTITY
90W	CASE OF 2	-
130W	CASE OF 2	-
165W	CASE OF 2	-
220W	CASE OF 2	-
320W	CASE OF 1	-



OPTIONAL ACCESSORIES		
MOUNTING & PROTECTION ACCESSORIES		
IMAGE	DESCRIPTION	MODEL NUMBER
	Aircraft Cable Kit for LHB4 Linear High Bays Each set includes 2 y-style aircraft cables with carabiners	LHB4-ACK (47" long, all models)
	Pendant Mount Kit for LHB4 Linear High Bays Each set includes 1 pendant mount bracket and hardware	LHB4-PMK (for 90-165W models) LHB4-PMK-L (320W models only)
	Threaded Rod Mount/Surface Mount Kit for LHB4 Linear High Bays Each set includes 2 brackets and hardware	LHB4-TRSMK (for 90-165W models) LHB4-TRSMK-L (320W models only)
	Ganging Kit for LHB4 Linear High Bays Each set includes 1 ganging kit	LHB4-GK (for 90-165W models) LHB4-GK-L (for 320W models only)
	Wireguards for LHB4 Linear High Bays Each set includes 2 wireguards	LHB4-WG (for 90-165W models) LHB-WG-L (for 320W models only)

BATTERY ACCESSORY		
IMAGE	DESCRIPTION	MODEL NUMBER
	<p>Battery with Accessories Fulham 25W Sinusoidal Emergency Micro Inverter Field mounted emergency battery backup with test switch indicator included. Controls up to 150W of load with 0-10V dimming. 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>FHUPS1-UNV-25L-SD</p> <p>FHSWLPWH FHS-TSTWL-BC FHS-EXT-48-TST</p>



SENSOR ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	<p>PIR Motion Sensor Sensor parameters set by dip switch, no remote available. On/Off control. Two detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights, 360° pattern. Non-condensing up to 95% RH. 120-347V input. Daylight settings available. Order separately or factory install.</p>	MS2-OPD-3	M1
	<p>Microwave Motion Sensor Sensor parameters set by remote (RC01). Dimming control. Detection from 15ft up to 48ft mounting height, 360° pattern. IP65 rated. 120-277V input. Daylight settings available. Order separately or factory install.</p>	MS1-DHR-KO-1	M4
	<p>Microwave Motion Sensor Sensor parameters set by remote (RC01). Dimming control. Detection from 15ft up to 48ft mounting height, 360° pattern. IP65 rated. 347V-480V input. Daylight settings available. Order separately or factory install.</p>	MS1-DHR-KO-4	M5
	<p>PIR Motion Sensor Sensor parameters set by dip switch, or optional remote (RC-100). Dimming control. Two detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights, 360° pattern. Non-condensing operation up to 95% RH. 120-347V input. Daylight settings available. Order separately or factory install.</p>	MS2-DPX-3	M10
	<p>Leviton® PIR Motion Sensor Sensor parameters set by dial. Two detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights, 360° pattern. Aisle mask included. Non-condensing operation up to 90% RH. High inrush stability, auto temperature calibration, return to last state & false detection intelligence. 120-347V input. Order separately or factory install.</p>	OSFHU-CTW	M40




SENSOR ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	<p>Microwave Motion Sensor Sensor parameters set by required remote (RC02). Dimming control. Detection up to 49 ft mounting height, 360 pattern. IP65 rated. 12V input. Daylight settings available. Order separately or factory install.</p>	MSF-DMR-12	M2
	<p>PIR Motion Sensor Sensor parameters set by required remote (RC02). Dimming control. Detection up to 20 ft mounting height, 360 pattern. IP65 rated. 12V input. Daylight settings available. Order separately or factory install.</p>	MSF-DPR-12	M12

SENSOR ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER	FACTORY-INSTALLED CODE
	<p>Leviton® PIR Motion Sensor Sensor parameters set by dial. Two 360° detection lenses included for 8ft up to 25ft or 20ft up to 40ft mounting heights. Aisle mask included. Non-condensing operation up to 90% RH. High inrush stability, auto temperature calibration, return to last state & false detection intelligence. 240/480V input. Order separately or factory install.</p>	OSFHU-C4W	M41
	<p>Leviton® PIR Motion Sensor Sensor parameters set by DIP switch, no remote available. Dimming control. IP65 rated. 120-347V Input. Daylight settings available. Order separately or factory install.</p>		
	High mount lens (up to 45ft)	HBE11-IUB-H	M46
	Low mount lens (8ft-16ft)	HBE11-IUB-L	M47
	High mount lens aisle mask (up to 45ft)	HBE11-IUB-HA	M48
	Low mount lens aisle mask (8ft-16ft)	HBE11-IUB-LA	M49

SENSOR REMOTES

IMAGE	DESCRIPTION	MODEL NUMBER	COMPATIBLE WITH
	Remote control for programming motion sensors. One remote can control an entire facility. Store settings in remote, and apply them to each fixture with one button. Manual dimming from 100-10%. Daylight settings can be disabled.	RC01	MS1-DHR-KO-1 MS1-DHR-KO-4
	Remote control for programming motion sensors. One remote can control an entire facility. Store settings in remote, and apply them to each fixture with one button. On/Off mode allows fixture to be set at dim levels from 10-100%.	RC02	MSF-DMR-12 MSF-DPR-12
	Remote control for programming motion sensors. One remote can control an entire facility. Store settings in remote, and apply them to each fixture with one button. On/Off mode allows fixture to be set at dim levels from 10-100%.	RC-100	MS2-DPX3

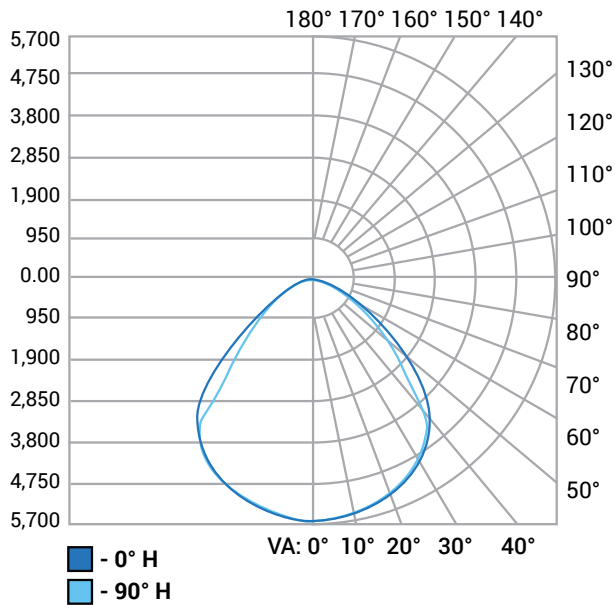
ELECTRICAL INFORMATION

INPUT VOLTAGE	POWER (W)	APPARENT POWER (VA)	SYSTEM POWER (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}
120-277V	90W	96.2VA	82.5W	0.799A	0.451A	0.389A	0.344A	-
	135W	141.0VA	134.3W	1.125A	0.649A	0.562A	0.487A	-
	165W	162.0VA	153.6W	1.375A	0.793A	0.687A	0.596A	-
	220W	221.6VA	216.8W	1.880A	1.050A	0.910A	0.800A	-
	320W	321.4VA	285.1W	2.662A	1.543A	1.351A	1.196A	-
120-347V	90W	91.2VA	91.2W	0.760A	0.440A	0.380A	0.330A	0.277A
	135W	139.4VA	140.6W	1.162A	0.681A	0.591A	0.522A	0.437A
	165W	161.2VA	160.2W	1.344A	0.778A	0.676A	0.589A	0.491A
	220W	218.5VA	221.6W	1.820A	1.030A	0.897A	0.783A	0.634A
	320W	321.9VA	279.6W	2.621A	1.536A	1.316A	1.153A	0.951A
INPUT VOLTAGE	POWER (W)	INRUSH CURRENT (A)		DRIVER SURGE PROTECTION				
120-277V	90W	<60A		L-N: 2kV, L/N-PE: 2kV				
	130W	<60A						
	165W	<60A						
	220W	<60A						
	320W	<80A						
120-347V	90W	<60A		L-N: 2kV, L/N-PE: 4kV				
	130W	<60A						
	165W	<60A						
	220W	<60A						
	320W	<80A						
120-347V	90W	<60A		L-N: 4kV, L/N-PE: 6kV				
	130W	<60A						
	165W	<60A						
	220W	<60A						
	320W	<80A						

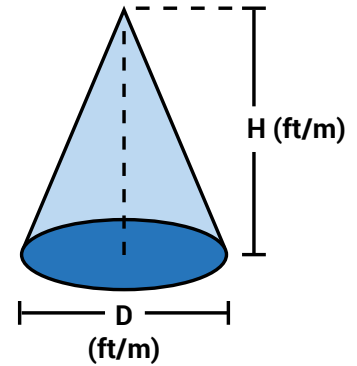
PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

POWER
90W
VOLTAGE
120-277V



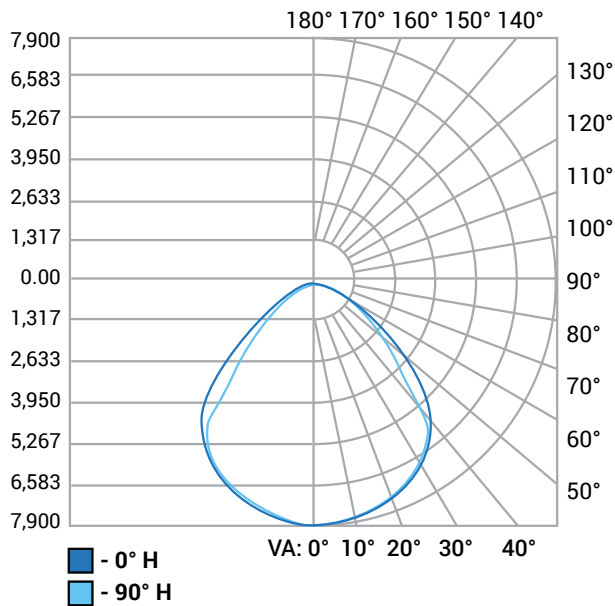
ILLUMINANCE AT A DISTANCE



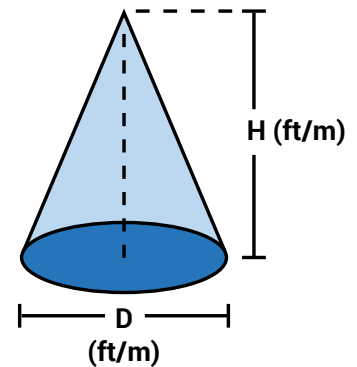
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1,418.5	131.8	13.1' (4.0m)
9.8' (3m)	630.4	58.6	19.7' (6.0m)
13.1' (4m)	354.6	32.9	26.3' (8.0m)
16.4' (5m)	227.0	21.09	32.9' (10.0m)
19.7' (6m)	157.6	14.6	39.4' (12.0m)

POLAR CANDELA DISTRIBUTION

POWER
130W
VOLTAGE
120-277V



ILLUMINANCE AT A DISTANCE



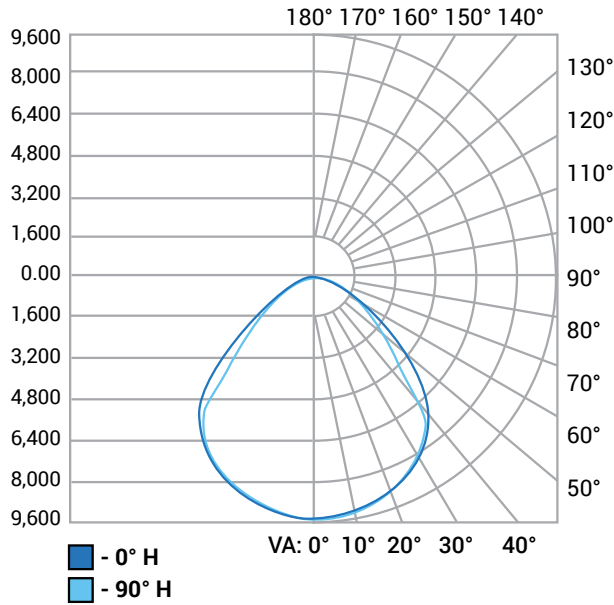
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	1,963.3	182.4	13.1' (4.0m)
9.8' (3m)	868.2	80.7	19.4' (5.9m)
13.1' (4m)	488.4	45.4	26.0' (7.9m)
16.4' (5m)	312.6	29.0	32.5' (9.9m)
19.7' (6m)	217.1	20.2	39.1' (11.9m)

*Based on operation at 4000K & 120V.

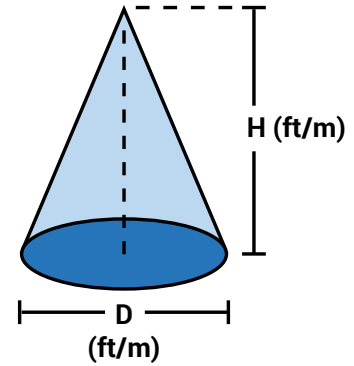
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POLAR CANDELA DISTRIBUTION

POWER
165W
VOLTAGE
120-277V



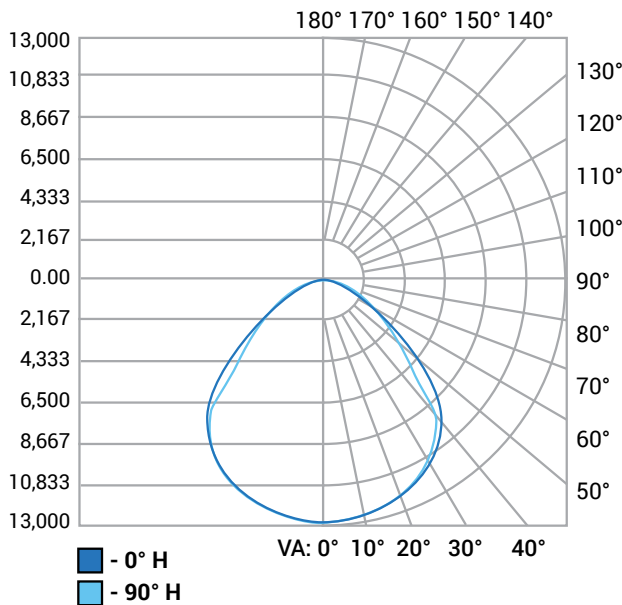
ILLUMINANCE AT A DISTANCE



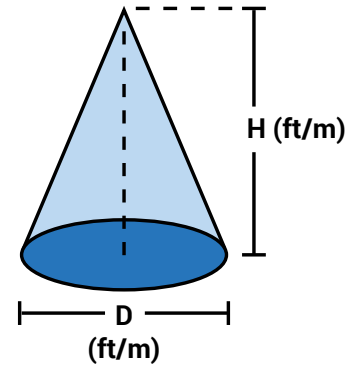
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	2,379.2	221.0	13.1' (4.0m)
9.8' (3m)	1,057.4	98.2	19.7' (6.0m)
13.1' (4m)	594.8	55.3	26.3' (8.0m)
16.4' (5m)	380.7	35.4	32.9' (10.0m)
19.7' (6m)	264.4	24.6	39.4' (12.0m)

POLAR CANDELA DISTRIBUTION

POWER
220W
VOLTAGE
120-277V



ILLUMINANCE AT A DISTANCE



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	3,162.1	293.8	13.4' (4.1m)
9.8' (3m)	1,405.4	130.6	20.4' (6.2m)
13.1' (4m)	790.5	73.4	26.9' (8.2m)
16.4' (5m)	505.9	47.0	33.8' (10.3m)
19.7' (6m)	351.3	32.6	40.7' (12.4m)

*Based on operation at 4000K & 120V.

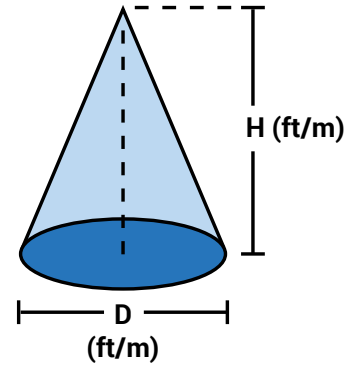
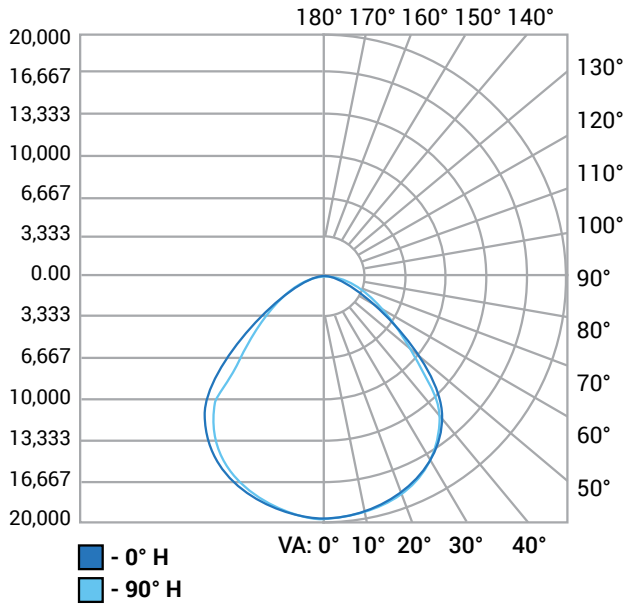
PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

POWER
320W

VOLTAGE
120-277V



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	4,795.2	445.5	13.5' (4.1m)
9.8' (3m)	2,131.2	198.0	20.4' (6.2m)
13.1' (4m)	1,198.8	111.4	26.9' (8.2m)
16.4' (5m)	767.2	71.3	33.8' (10.3m)
19.7' (6m)	532.8	49.5	40.4' (12.3m)

*Based on operation at 4000K & 120V.