



Model #	
Type	
Project	
Date	

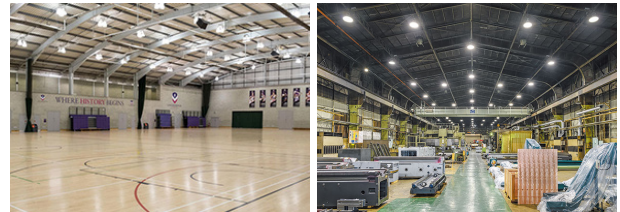
HBX2-SERIES MONOPOINT HIGH BAY

The HBX2-Series is the most versatile Monopoint High Bay offered in the North American market. Built with lightweight aluminum die cast construction it is a lightweight fixture that can be configured for almost any application. With multiple configurable options including mounting methods, reflectors, wire guards, frosted lens, side or center mount 12V remote controlled motion sensors and surge protectors the HBX2 is the only high bay you'll need to consider to meet the demands of every project.



HIGHLIGHTS

- Up to 164 lm/W
- Polycarbonate annular "Fresnel" lens for even 360° light dispersal (and optional frosted lens for reduced glare)
- Powdercoated aluminum driver box and housing
- Features an optional low voltage motion sensor for occupancy detection and dimming control
- Pre-installed 10 foot whip for quick installations
- 10kV surge protection included, optional 20kV available

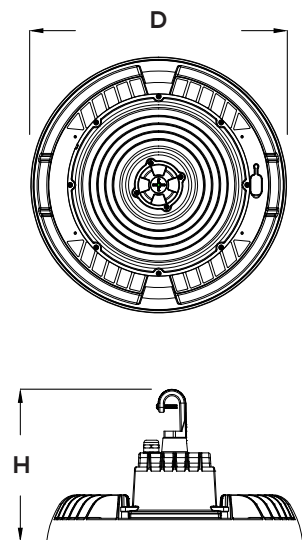


APPLICATIONS

Designed for warehouse, gymnasium, commercial, manufacturing, and industrial applications.

DIMENSIONS

VOLTAGE (V)	WATTAGE (W)	D (inches/mm)	H (inches/mm)	WEIGHT (kg/lbs)
120-277	100	Ø13" (Ø330mm)	7-3/4" (196mm)	3.2kg / 7.2lbs
	150			3.5kg / 7.7lbs
	200			3.5kg / 7.7lbs
	240	Ø15-3/8" (Ø390mm)	8-11/16" (220mm)	5.8kg / 12.8lbs
	300			6.7kg / 14.8lbs
277-480	100	Ø13" (Ø330mm)	7-3/4" (196mm)	4.0kg / 8.9lbs
	150			4.0kg / 8.9lbs
	200			4.3kg / 9.4lbs
	240	Ø15-3/8" (Ø390mm)	8-11/16" (220mm)	6.5kg / 14.3lbs
	300			7.0kg / 15.3lbs



ORDERING GUIDE

SERIES	-	POWER (W)	CCT	-	VOLTAGE / DIMMING
HBX2	-	100: 100W	4: 4000K	-	1: 120-277V, 0-10V dimming, internal connection
		150: 150W	5: 5000K		2: 277-480V, 0-10V dimming, internal connection
		200: 200W			10: 277-480V, 10' 0-10V 18/2 cord provided, external connection
		240: 240W			20: 277-480V, 10' 0-10V 18/2 cord provided, external connection
		300: 300W			*Options 10 & 20 are factory-installed modifications

FACTORY-INSTALLED OPTIONS

CUSTOM CORD LENGTH	CORD END	SENSOR	SURGE PROTECTION	LENS
Blank: Default 10' 18/3 black cord B1xx*: 300V 18/3 black cord B2xx*: 600V 18/3 black cord *provide desired cord length in "xx" feet up to 99' max *length of 0-10V dimming cord will override and match custom cord length selected	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 M2: Centre mount 12V motion sensor M3: Motion sensor on mounting arm for use with aluminum reflectors *RC02 required to operate M2 or M3, ordered separately	Blank: 10kV surge protection included SP2: 20kV surge protection	Blank: Clear Fresnel lens FR: Frosted Lens

MODEL SELECTION

FACTORY-INSTALLED OPTIONS

SERIES	-	POWER (W)	CCT	-	VOLTAGE	-	X / CORD LENGTH	-	CORD END	-	SENSOR	-	SURGE	-	LENS
HBX2	-	150	5	-	20	-	B235	-	N13	-	M2	-	SP2	-	FR

*Note: add factory-installed options in sequence listed

EXAMPLE: HBX2-1505-20-B235-N13-M2-SP2-FR

PRODUCT FEATURES

CONSTRUCTION

- Matte black die-cast aluminum
- Over-sized, hinged junction box with captive screws
- 1/2" NPT knockouts for daisy chaining or controls
- 10-foot black 18/3 cord
- Polycarbonate Fresnel lens

INSTALLATION

- Mounting hook included
- Pre-installed 10' power cord
- Optional: yoke or pendant mount

ELECTRICAL

- "-1" models designed to operate between 120-277V
- "-2" models designed to operate between 277-480V
- All models include 10kV surge protector
- Power Factor >0.9
- THD <20%
- 0-10V dimming, dim-to-off

LISTINGS & RATINGS

- cULus / cETLus
- Wet location
- RoHS compliant
- FCC compliant
- IP65 rated
- IK10 rated
- Listed for use in:
 - 100W/150W/240W: -40°C to 55°C (-40°F to 131°F)
 - 200W & 300W: -40°C to 50°C (-40°F to 122°F)

RATED LIFE & WARRANTY




- LED system: >54,000 hours at L70
- 10 year warranty (visit premiseled.com/warranty/)

ORDERING INFORMATION





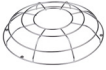

INPUT VOLTAGE	POWER (W)	CCT (K)	MODEL NUMBER	DELIVERED LUMENS (LM)	EFFICACY (lm/W)	
120-277V	100W	4K	HBX2-1004-1	16,498 lm	160 lm/W	
		5K	HBX2-1005-1	16,502 lm	164 lm/W	
	150W	4K	HBX2-1504-1	24,357 lm	157 lm/W	
		5K	HBX2-1505-1	24,301 lm	162 lm/W	
	200W	4K	HBX2-2004-1	32,444 lm	156 lm/W	
		5K	HBX2-2005-1	32,377 lm	162 lm/W	
	240W	4K	HBX2-2404-1	38,422 lm	155 lm/W	
		5K	HBX2-2405-1	38,632 lm	156 lm/W	
	300W	4K	HBX2-3004-1	46,693 lm	153 lm/W	
		5K	HBX2-3005-1	46,849 lm	157 lm/W	
	277-480V	100W	4K	HBX2-1004-2	16,285 lm	159 lm/W
			5K	HBX2-1005-2	16,202 lm	161 lm/W
150W		4K	HBX2-1504-2	23,581 lm	156 lm/W	
		5K	HBX2-1505-2	23,657 lm	159 lm/W	
200W		4K	HBX2-2004-2	31,150 lm	158 lm/W	
		5K	HBX2-2005-2	30,846 lm	160 lm/W	
240W		4K	HBX2-2404-2	36,718 lm	158 lm/W	
		5K	HBX2-2405-2	37,205 lm	159 lm/W	
300W		4K	HBX2-3004-2	45,526 lm	154 lm/W	
		5K	HBX2-3005-2	45,701 lm	156 lm/W	

OPTIONAL ACCESSORIES




REFLECTOR ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER
	Aluminum reflector, 90° for HBX2	HBX2-REF-AL (100-200W models) HBX2-REF-AL-L (240-300W models)
	Prismatic reflector, 90° for HBX2	HBX2-REF-PC (100-200W models) HBX2-REF-PC-L (240-300W models)
	PC cone lens for HBX2 prismatic reflectors	HBX2-REF-CL (all models)

MOUNTING ACCESSORIES

IMAGE	DESCRIPTION	MODEL NUMBER
	3/4" NPT adaptor for HBX2	HBX2-34NPT (all models)
	Carabiner for Monopoint High Bays	HBX2-CARABINER (all models)
	Eyebolt for HBX2	HBX2-EYEBOLT (all models)
	Bird spikes for HBX2	HBX2-SPIKES (12 spikes per kit) (100-200W models = 4 spikes) (240-300W models = 6 spikes)
	Wireguard for HBX2	HBX2-WG (100-200W models) HBX2-WG-L (240-300W models)
	Mounting Yoke for HBX2	HBX2-YK (100-200W models) HBX2-YK-L (240-300W models)

SENSORS

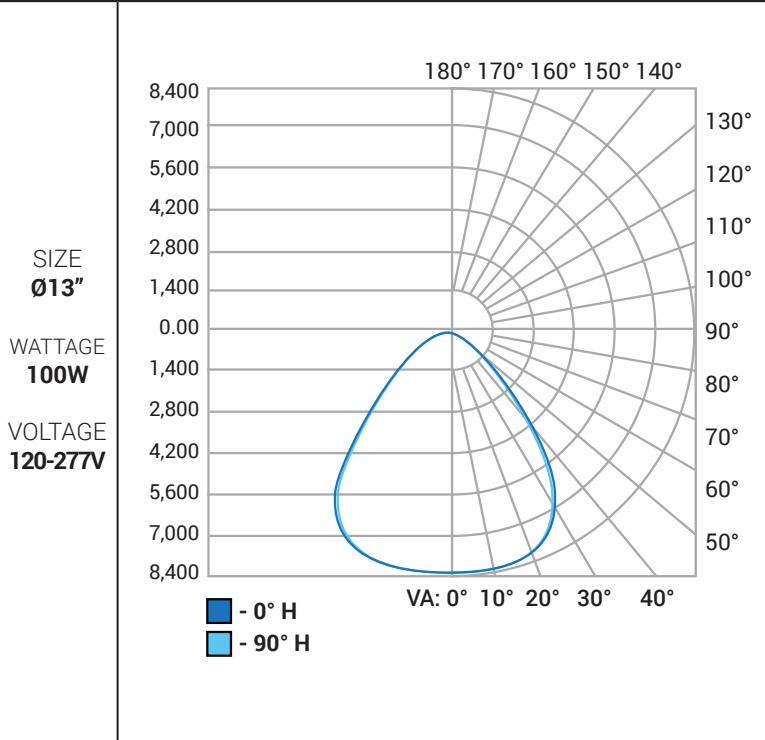
IMAGE	DESCRIPTION	MODEL NUMBER
	Centre-mount microwave motion sensor for HBX2, 12V	HBX2-MS Factory-installed as M2
	Side-mount motion sensor with mounting arm for HBX2, 12V	HBX2-MS-MA (100-200W models) HBX2-MS-MA-L (240-300W models) Factory-installed as M3
	Remote control for HBX2 motion sensors	RC02

PACKING INFORMATION									
MODEL	CASE QUANTITY			PALLET QUANTITY					
100W	CASE OF 1			-					
150W	CASE OF 1			-					
200W	CASE OF 1			-					
240W	CASE OF 1			-					
300W	CASE OF 1			-					
ELECTRICAL INFORMATION									
INPUT VOLTAGE	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}	CURRENT DRAW AT 480V _{ac}
120-277V	100W	102.9VA	93.8W	0.851A	0.492A	0.435A	0.391A	-	-
	150W	153.3VA	142.0W	1.276A	0.726A	0.637A	0.565A	-	-
	200W	205.3VA	190.4W	1.689A	0.968A	0.847A	0.742A	-	-
	240W	245.7VA	229.1W	2.067A	1.171A	1.006A	0.884A	-	-
	300W	294.8VA	273.2W	2.467A	1.396A	1.214A	1.064A	-	-
277-480V	100W	102.4VA	91.4W	-	-	-	0.369A	0.296A	0.218A
	150W	149.8VA	136.6W	-	-	-	0.536A	0.434A	0.314A
	200W	196.3VA	182.0W	-	-	-	0.713A	0.570A	0.424A
	240W	232.7VA	216.4W	-	-	-	0.846A	0.671A	0.494A
	300W	292.8VA	269.2W	-	-	-	1.073A	0.849A	0.654A
INPUT VOLTAGE	WATTAGE (W)		INRUSH CURRENT (A)			SURGE PROTECTION			
120-277V	100W		<60A @120V, <100A @277V			10KV*			
	150W		<60A @120V, <130A @277V						
	200W		<60A @120V, <130A @277V						
	240W		<60A @120V, <130A @277V						
	300W		<55A @120V, <140A @277V						
277-480	100W		<30A @277V, <38A @347V, <55A @480V						
	150W		<50A @277V, <70A @347V, <90A @480V						
	200W		<50A @277V, <70A @347V, <90A @480V						
	240W		<50A @277V, <70A @347V, <90A @480V						
	300W		<50A @277V, <70A @347V, <90A @480V						

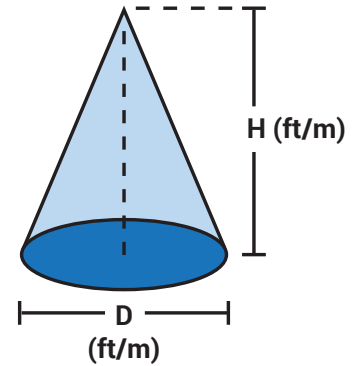
*20kV surge protection available as an option.

PHOTOMETRIC INFORMATION

POLAR CANDELA DISTRIBUTION

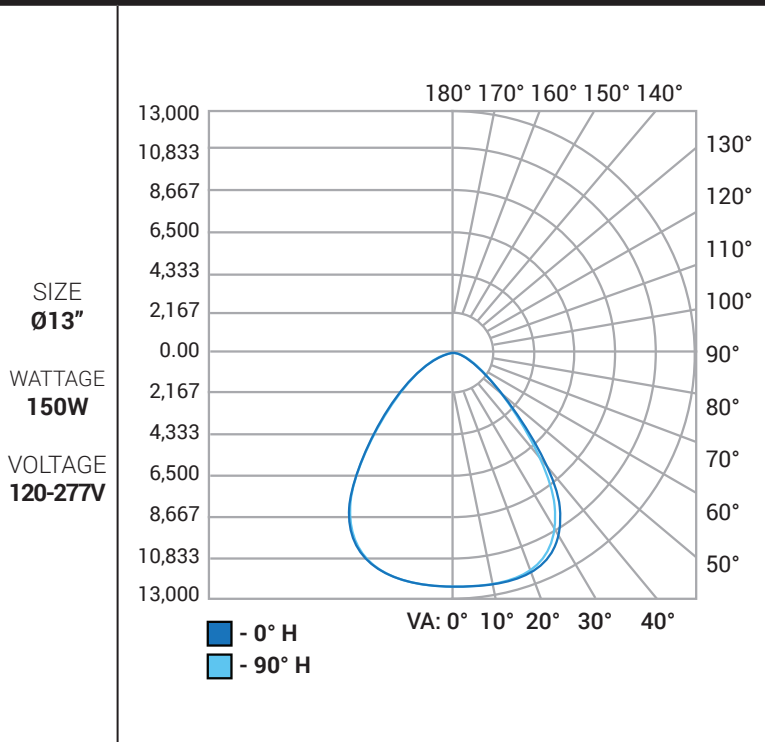


ILLUMINANCE AT A DISTANCE

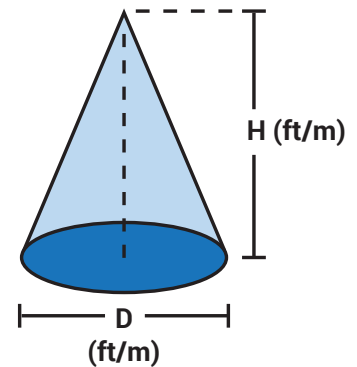


H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	2082.9	193.5	16.4' (3.7m)
9.8' (3m)	925.7	86.0	18.4' (5.6m)
13.1' (4m)	520.7	48.4	24.6' (7.5m)
16.4' (5m)	333.3	31.0	30.6' (9.3m)
19.7' (6m)	231.4	21.5	36.8' (11.2m)

POLAR CANDELA DISTRIBUTION



ILLUMINANCE AT A DISTANCE



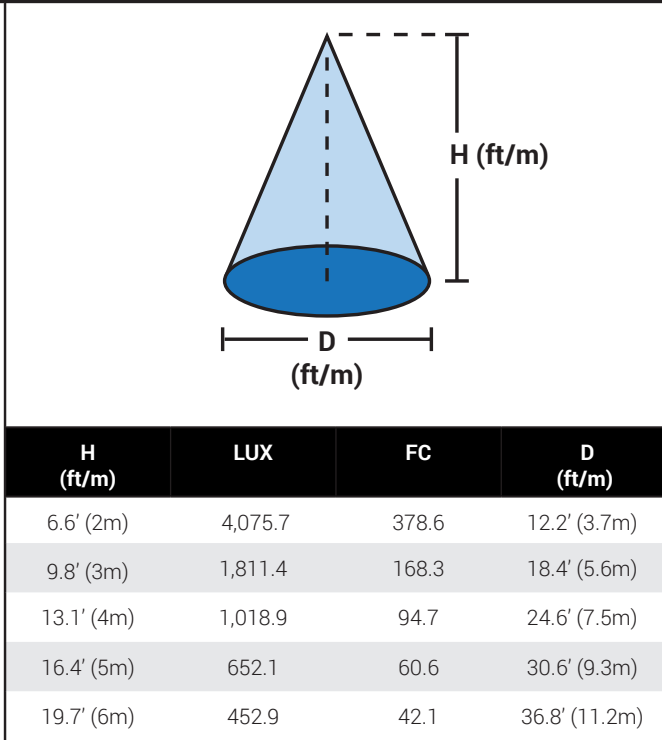
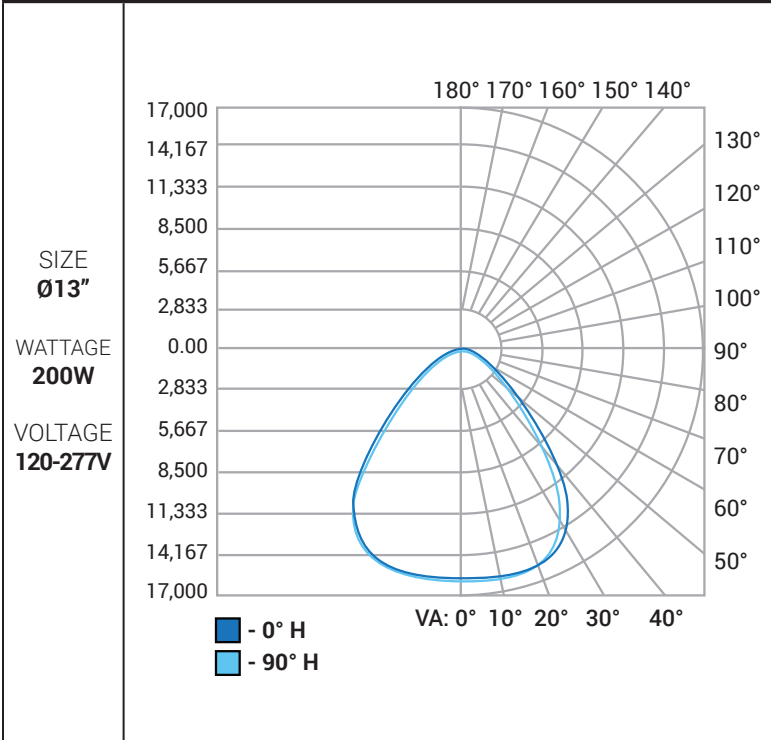
H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	3,113.2	289.2	16.4' (3.7m)
9.8' (3m)	1,383.6	128.6	18.1' (5.5m)
13.1' (4m)	778.3	72.3	24.0' (7.3m)
16.4' (5m)	498.1	46.3	29.9' (9.1m)
19.7' (6m)	345.9	32.1	36.1' (11.0m)

*Based on operation at 4000K & 120V.

PHOTOMETRIC INFORMATION

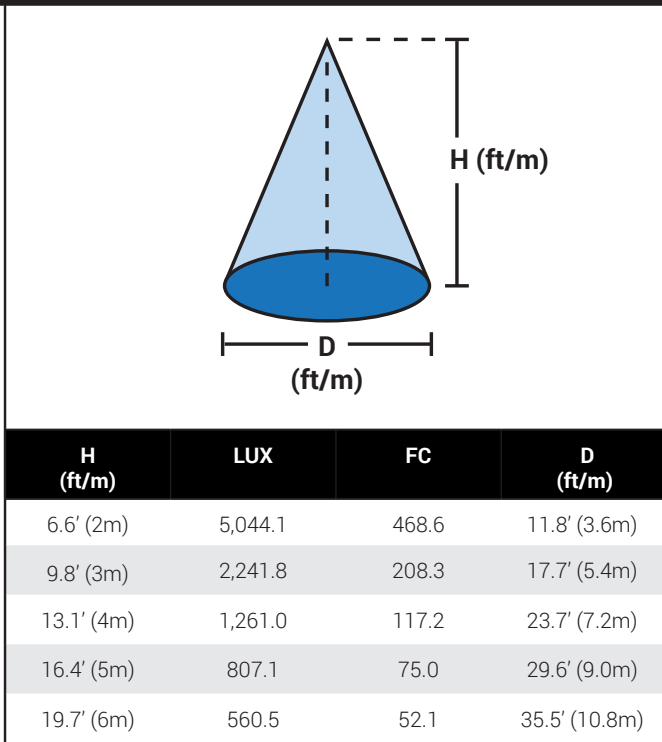
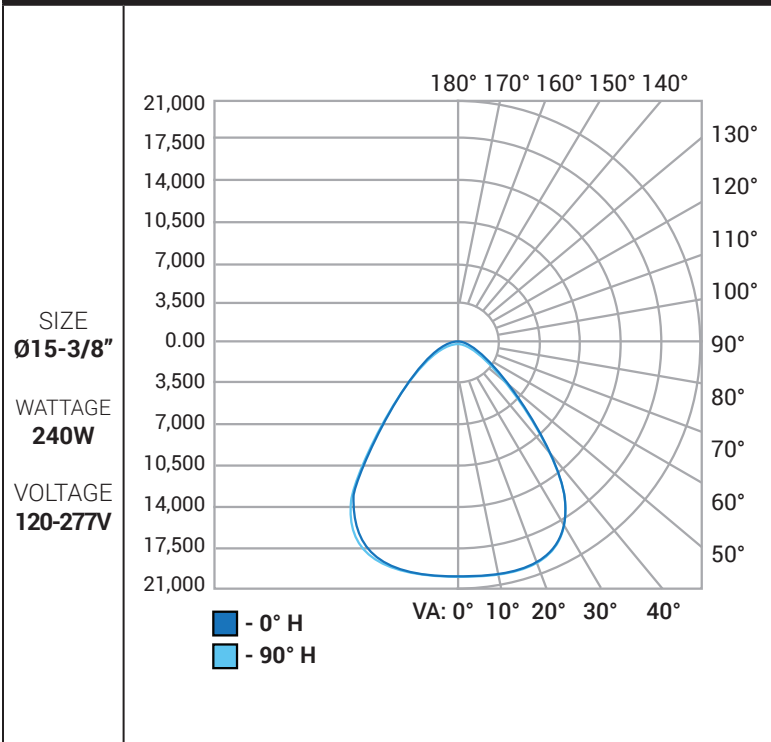
POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE



POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE



*Based on operation at 4000K & 120V.

PHOTOMETRIC INFORMATION

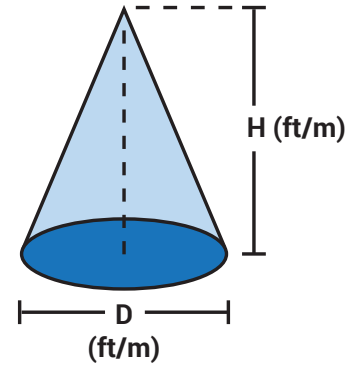
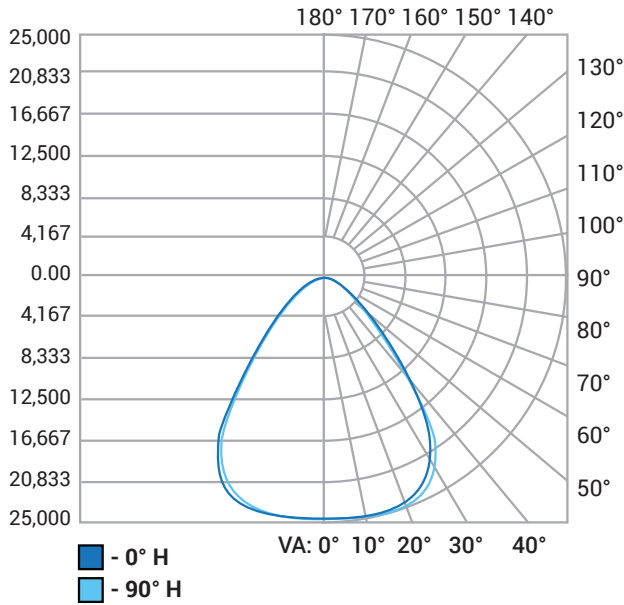
POLAR CANDELA DISTRIBUTION

ILLUMINANCE AT A DISTANCE

SIZE
Ø15-3/8"

WATTAGE
300W

VOLTAGE
120-277V



H (ft/m)	LUX	FC	D (ft/m)
6.6' (2m)	6,067.1	563.7	11.8' (3.6m)
9.8' (3m)	2,696.5	250.5	17.7' (5.4m)
13.1' (4m)	1,516.8	140.9	23.7' (7.2m)
16.4' (5m)	970.7	90.2	29.6' (9.0m)
19.7' (6m)	674.1	62.6	35.5' (10.8m)

*Based on operation at 4000K & 120V.