Pan American
Professional Lighting Manufacturer

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Specification

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H2a



H2b



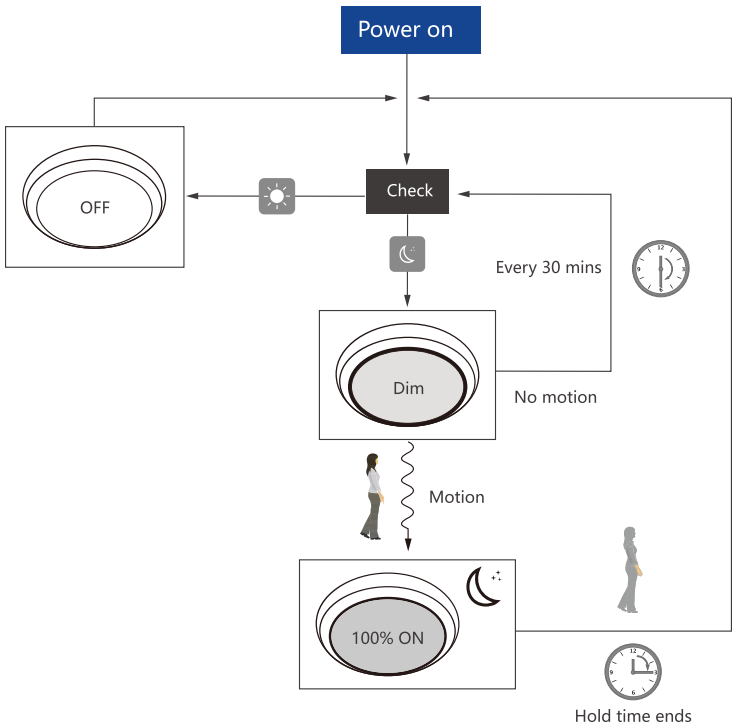
H2c

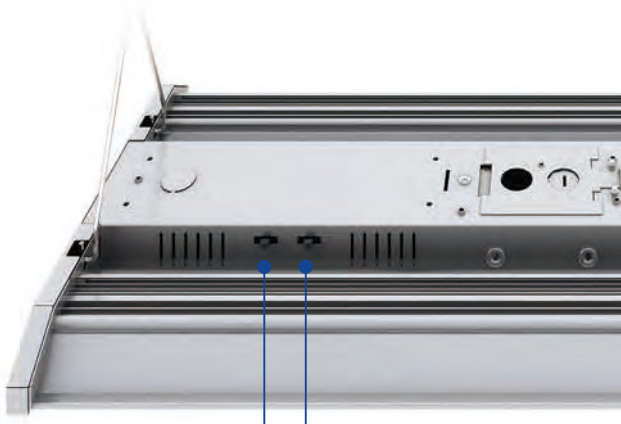
Linear High Bay Series is suitable for residential and commercial lighting. Dimming and power regulation functions are available so it can adapt to changes in different situations, saving energy and offering convenience to users. Its unique design allows it to shine partially upward (about 14% of its light), avoiding the formation of shadows on the ceiling. It also shows excellent performance in uniform light distribution.

FEATURES



MicrowaveSensor



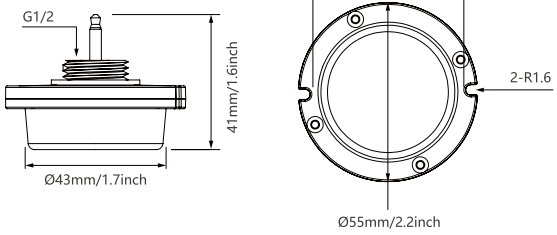


Power Switch

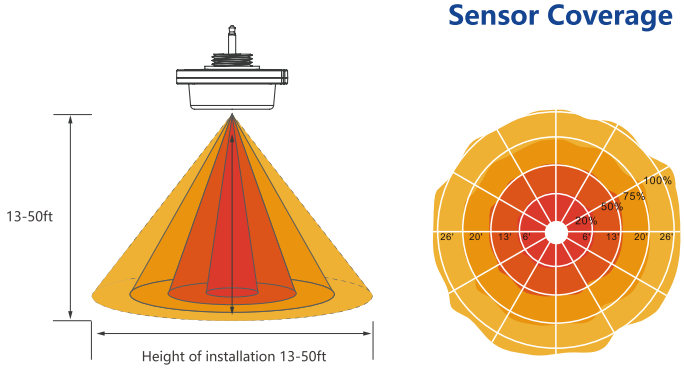
Power Adjustable
H2a: 80W/100W/130W
H2b: 100W/160W/220W
H2c: 160W/220W/270W

CCT Switch

CCT Tunable
3500K/4000K/5000K



Sensor Coverage



•Corridor Function

This function inside the motion sensor provides three-level control for specific areas that require an indication of light change before turning off. The sensor provides 3 light levels: 100%- > dimmed light (natural light is insufficient)- > off; and 2 periods of selectable waiting time: motion hold time and stand-by time: selectable daylight threshold and selectable detection area.



With sufficient natural light, the light does not switch on when presence is detected.



With insufficient natural light, the sensor switches on the light automatically when presence is detected.



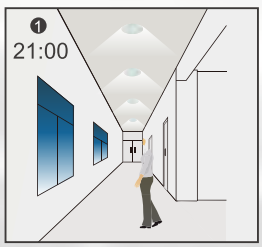
After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.



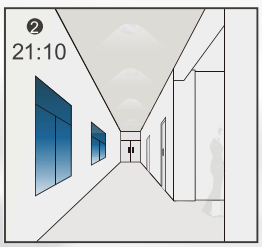
Light switches off automatically after the stand-by period elapses.

•Daylight Sensor Function

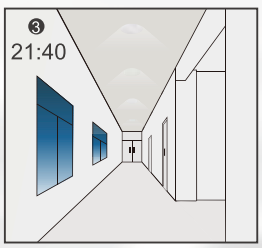
Open the daylight sensor by pushing ⏏ when the remote control is in setting condition.



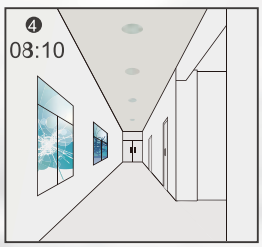
The light switches on at 100% when there is movement detected.



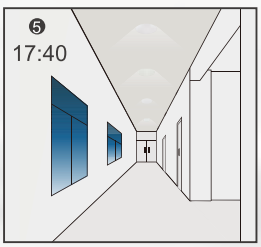
The light dims to stand-by level after the hold-time.



The light remains at a dimming level at night.



The light turns off when the natural light level exceeds the set point.



The light automatically turns on at 10% when natural light is insufficient (no motion).

① ⟷ ③

Go in a cycle at night ... 100% on when movement is detected and dim to 10% brightness in long absence.

Settings on this demonstration:
Hold-time: 30 min
Setpoint on: 50 lux
Setpoint off: 300 lux
Stand-by Dim: 10%
Stand-by period: +∞

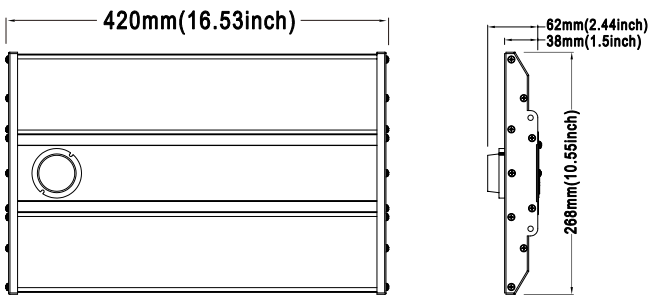
◇ When the smart photocell sensor opens , the standby time is only +∞

SPECIFICATION

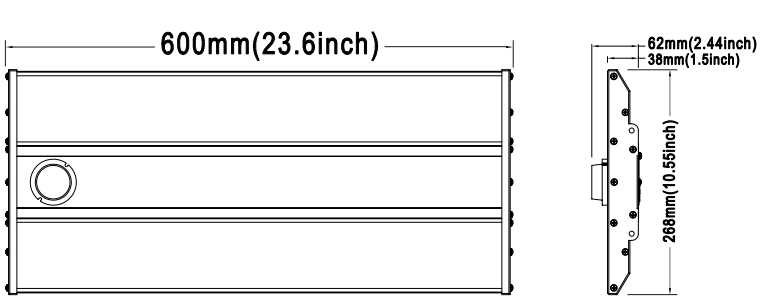
Model NO.	H2axxxwXYZS	H2bxxxwXYZS	H2cxxxwXYZS
Input Voltage	AC120-480V	AC120-480V	AC120-480V
Wattage (Adjustable)	80W/100W/130W	100W/160W/220W	160W/220W/270W
Wattage (Fixed)	80W/100W/130W	100W/160W/220W	160W/220W/270W
Power Factor	>0.9	>0.9	>0.9
Dimming	0-10V Dimming	0-10V Dimming	0-10V Dimming
Power Efficiency	>90%	>90%	>90%
Power Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Total Harmonic Distortion	<20%	<20%	<20%
LED Chip	LED2835	LED2835	LED2835
Lumen Output	11200lm/14000lm/18200lm	14000lm/22400lm/30800lm	22400lm/30800lm/37800lm
Efficiency (±10%)	140lm/W	140lm/W	140lm/W
Beam Angle	90°	90°	90°
CCT (Tunable)	3500K/4000K/5000K	3500K/4000K/5000K	3500K/4000K/5000K
CCT (Fixed)	3000K/3500K/4000K/4500K/5000K/ 5700K/6500K	3000K/3500K/4000K/4500K/5000K/ 5700K/6500K	3000K/3500K/4000K/4500K/5000K/ 5700K/6500K
CRI	80	80	80
Operating Temperature	-25°C~45°C	-25°C~45°C	-25°C~45°C
IP Rating	IP20	IP20	IP20
Lifespan	50,000 Hours	50,000 Hours	50,000 Hours
Warranty	3Years	3Years	3Years
Housing Material	SPCC/AL6063/PMMA	SPCC/AL6063/PMMA	SPCC/AL6063/PMMA
Lens Material	Anti-UV PMMA Optical Material	Anti-UV PMMA Optical Material	Anti-UV PMMA Optical Material
Net Weight	1.8kg(4.0lbs)	2.36kg(5.2lbs)	2.8kg(6.2lbs)
Gross Weight	2.1kg(4.6lbs)/1pcs	2.76kg(6.1lbs)/1pcs	3.3kg(7.3lbs)/1pcs
Product Dimension (mm/inch)	420x268x38mm(16.53x10.56x1.50inch)	600x268x38mm(23.62x10.56x1.50inch)	800x268x38mm(31.50x10.56x1.50inch)
Packing Size (mm/inch) (2 Pcs. per Carton)	490x330x115mm（19.30x13.00x4.53inch)	670x330x115mm(26.00x13.00x4.53inch)	870x330x115mm(34.00x13.00x4.53inch)

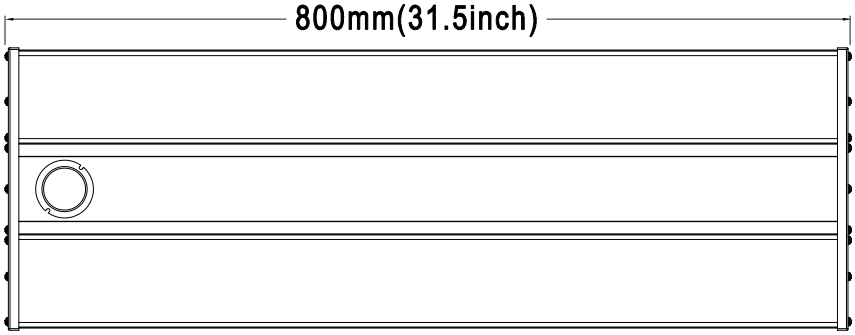
DIMENSIONS

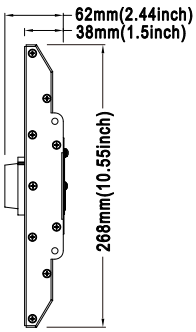
H2a



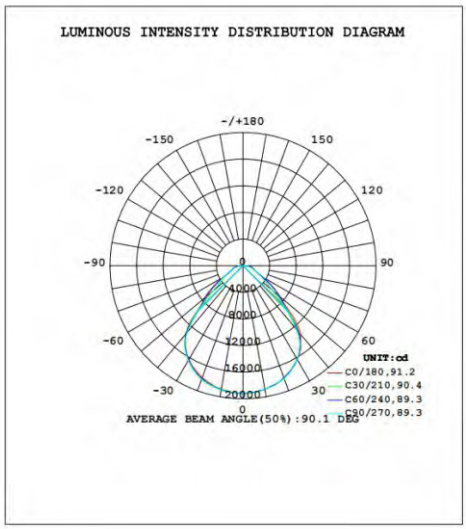
H2b

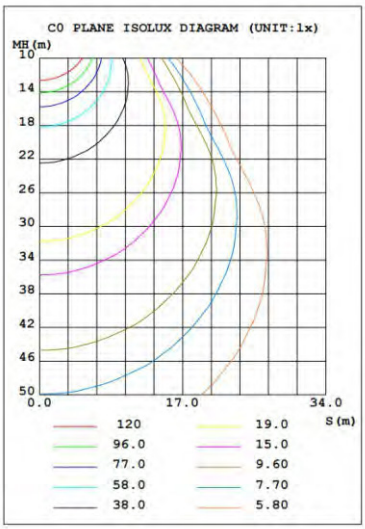






LIGHT DISTRIBUTION





ORDERING GUIDE

Hx	xxxW	X	Y	Z	S
①	②	③	④	⑤	⑥

① Shell Shape Series
(width x length)
- 2a=1x1.5
- 2b=1x2.2
- 2c=1x3

② Rated Power
- H2a=80W/100W/130W
- H2b=100W/160W/220W
- H2c=160W/220W/270W

③ Input Voltage
- L=100-277VAC
- H=100-347VAC or 277-480VAC

④ Dimming Option
- N=Non-dimmable
- D=Dimmable

⑤ CCT
- 30=3000K,35=3500K,40=4000K, 45=4500K,50=5000K,57=5700K, 65=6500K

⑥ Sensor
- S=With sensor
- Blank=Without sensor

<END>

