

INTRINSIX



CIRCA

PRODUCT PROFILE

# CIRCA

## ROUND HIGH BAY LED LIGHT



### Description

IntrinsiX CIRCA LED High Bay Lighting is capable of providing lighting to large open spaces. These areas would include airport hangars, factories, and school gyms.

CIRCA LED round high bay lighting produces a cone shaped beam, giving you a more focused light sensor ready and wattage selectable. It also gives you the freedom to control the brightness.

With a lifespan of 50,000 working hours, LED lights are a perfect replacement for traditional lights that easily get worn out. High Bay LED lights will work for a longer period of time with very little maintenance costs.

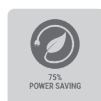
### Specifications

- Input Voltage: 120 to 277V
- Dimming: 0 to 10V
- Color: 4000K/5000K Selectable
- DLC Listing: Premium
- Sensor: 3 Pin Sensor
- Warranty: 50,000 Hours/5 Years



### Fixture Details

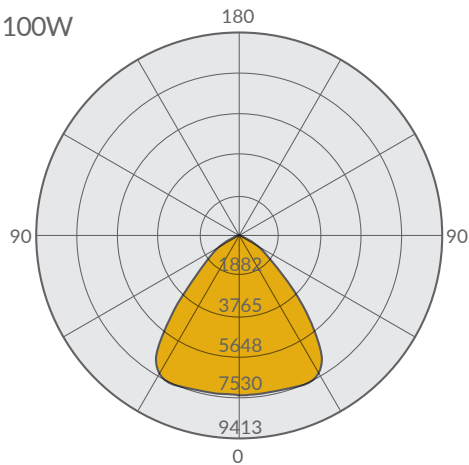
Product Number	Watts (Selectable)	CCT (K) (Selectable)	CRI	Efficacy (Lm/W)	Lumen Output (Lm)	Operating Temperature	IP Rating	DLC Product ID
IX-RHB-100S-40/50LO	60/80/100	4000/5000	>80	140	8673/11564/14455	-40°F to 122°F	IP65	100 S-8A4QS0
IX-RHB-150S-40/50LO	100/120/150	4000/5000	>80	140	14455/14346/21683	-40°F to 122°F	IP65	150 S-L74EVK
IX-RHB-200S-40/50LO	150/180/200	4000/5000	>80	140	21683/26019/28910	-40°F to 122°F	IP65	200 S-07L46W
IX-RHB-240S-40/50LO	200/220/240	4000/5000	>80	140	28910/31801/34692	-40°F to 122°F	IP65	240 S-EJG09S
IX-RHB-300W-50LO	300	5000	>80	140	43365	-40°F to 122°F	IP65	300 S-H9WKGM



## Distribution Diagram

IX-RHB-100S-40/50LO

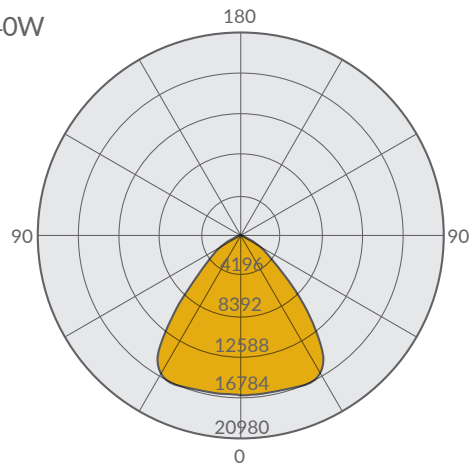
100W



Average diffuser angle (50%) : 89.7°

IX-RHB-240S-40/50LO

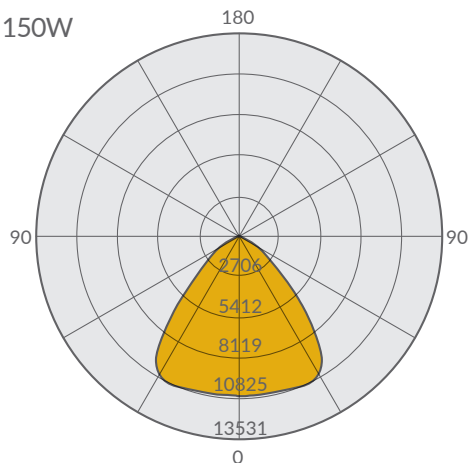
240W



Average diffuser angle (50%) : 90.3°

IX-RHB-150S-40/50LO

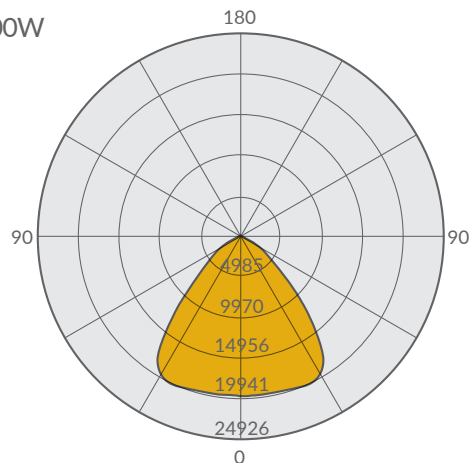
150W



Average diffuser angle (50%) : 90°

IX-RHB-300W-50LO

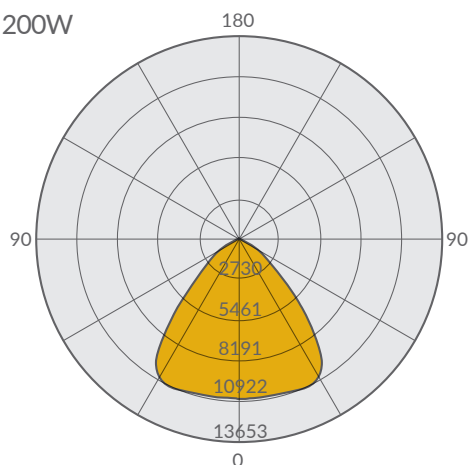
300W



Average diffuser angle (50%) : 87.1°

IX-RHB-200S-40/50LO

200W



Average diffuser angle (50%) : 89.6°



As the global safety science leader, UL helps companies to demonstrate safety, enhance sustainability, strengthen security, deliver quality, manage risk, and achieve regulatory compliance. The UL mark means that the global safety certification company UL has confirmed that the product has been independently tested and is safe for use.



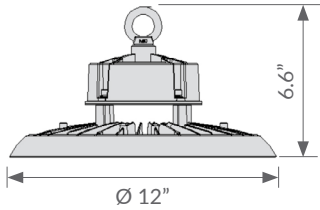
The Federal Communications Commission (FCC) is an independent agency of the United States government that was created to regulate all forms of telecommunication inside of the U.S. including the radio frequency (RF) of electronics. Our products are fully tested ensure that they will not electromagnetically interfere with other products nor cause risk to the public as required by law.

## Dimensions

### 100W and 150W

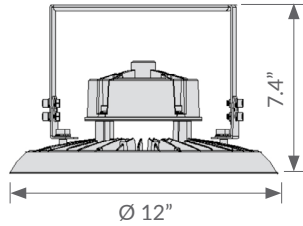
#### Pendant

Without motion sensor

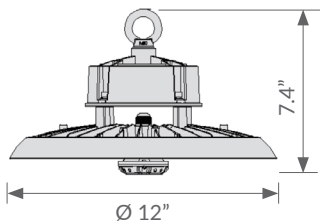


#### Surface-mounted

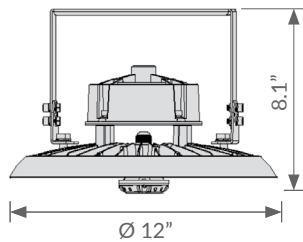
Without motion sensor



With motion sensor



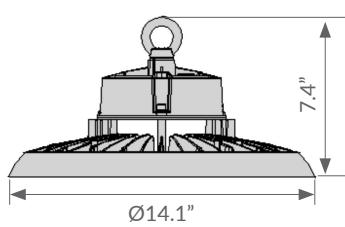
With motion sensor



### 200W and 240W

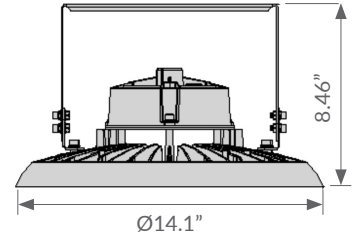
#### Pendant

Without motion sensor

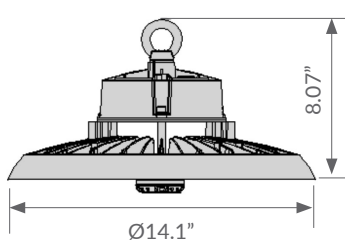


#### Surface-mounted

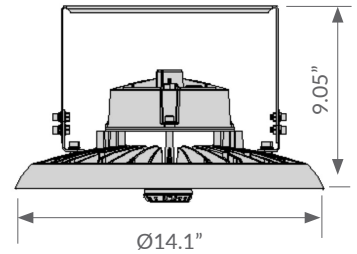
Without motion sensor



With motion sensor



With motion sensor

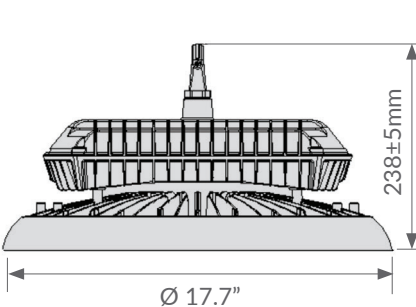


All measurements are  $\pm 0.2"$

### 300W

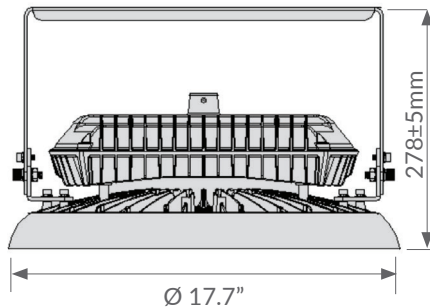
#### Pendant

Without motion sensor

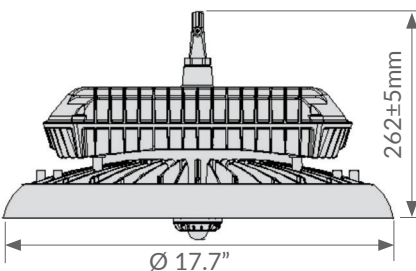


#### Surface-mounted

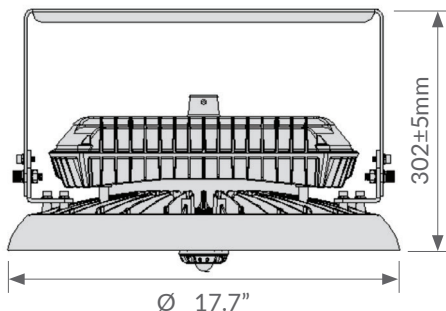
Without motion sensor



With motion sensor



With motion sensor



## SPECIFICATIONS

	100W	150W	200W	240W	300W
<b>OPTICAL</b>					
Wattage variables	60/80/100	100/120/150	150/180/200	200/220/240	300
Lumen Output	8673/11564/14455	14455/14346/21683	21683/26019/28910	28910/31801/34692	43365
Kelvin Temp variables	4000K/5000K	4000K/5000K	4000K/5000K	4000K/5000K	5000K
Input Power (Tolerance : ±10%)	100W	150W	200W	240W	300W
CRI	>80	>80	>80	>80	>80
Color Consistency - Steps/SDCM	<7	<7	<7	<7	<6
UGR (X=4H, Y=8H; S/H=1)	<28	<28	<28	<28	<28
Reflectances	70% 50% 20%	70% 50% 20%	70% 50% 20%	70% 50% 20%	70% 50% 20%
Diffuser Type	PC Lens	PC Lens	PC Lens	PC Lens	PC Lens
Beam Angle 50% (Tolerance : ±15%)	90°	90°	90°	90°	90°
<b>ELECTRICAL</b>					
Input Voltage	120-277VAC	120-277VAC	120-277VAC	120-277VAC	120-277VAC
Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
PF (Tolerance : -3%)	≥0.9	≥0.9	≥0.9	≥0.9	≥0.9
THD (Tolerance : +5%)	≤20%	≤20%	≤20%	≤20%	≤20%
Flicker Percent	<5%	<5%	<5%	<5%	<5%
Driver Brand	LiFud Driver	LiFud Driver	LiFud Driver	LiFud Driver	SOSEN Driver
Dimming standard	0-10V	0-10V	0-10V	0-10V	0-10V
Driver Model	LF-FHB100YAIV	LF-FHB150YAIV	LF-FHB200YAIV	LF-FHB240YAIV	SS-150NH-260BH*2
Driver Surge protection	L/N-PE: 6kV L-N: 4kV	L/N-PE: 6kV L-N: 4kV	L/N-PE: 6kV L-N: 4kV	L/N-PE: 6kV L-N: 4kV	L/N-PE: 4kV L-N: 4kV
Dimming	0-10V standard	0-10V standard	0-10V standard	0-10V standard	0-10V standard
<b>OPTIONAL ACCESSORIES</b>					
Motion Sensor	✓	✓	✓	✓	✓
Surge-protective Device	✓	✓	✓	✓	✓
<b>MATERIALS</b>					
LED Brand	Lumileds	Lumileds	Lumileds	Lumileds	Lumileds
LED Type	SMD2835	SMD2835	SMD2835	SMD2835	SMD2835
LED Qty	240PCS+160PCS	320PCS+160PCS	400PCS+240PCS	400PCS+240PCS	888PCS
Housing	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Housing Color Standard	Black or White	Black or White	Black or White	Black or White	Black or White
Housing Color Customised option	✓	✓	✓	✓	✓
Waterproof Rating	WET IP65	WET IP65	WET IP65	WET IP65	WET IP65
<b>OTHERS</b>					
Operating Temperature					
Without Motion Sensor	-40°C TO 50°C	-40°C TO 50°C	-40°C TO 50°C	-40°C TO 50°C	-40°C TO 50°C
With Motion Sensor	-30°C TO 50°C	-30°C TO 50°C	-30°C TO 50°C	-30°C TO 50°C	-30°C TO 50°C
Storage Temperature	-40°C TO 80°C	-40°C TO 80°C	-40°C TO 80°C	-40°C TO 80°C	-40°C TO 80°C
Operating Humidity	20% - 90% RH	20% - 90% RH	20% - 90% RH	20% - 90% RH	20% - 90% RH
Storage Humidity	10% - 95% RH	10% - 95% RH	10% - 95% RH	10% - 95% RH	10% - 95% RH
Warranty	5 years /50,000 hrs	5 years /50,000 hrs	5 years /50,000 hrs	5 years /50,000 hrs	5 years /50,000 hrs