

Indumoon Round High Bay

Standard Round High Bay
IMHB

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Ordering information Luminaire

Example: IMHB-100U-85060BKD-HM

IMHB- U-850ADJBKD-HM	
Product	Wattage
	100 100 W
	150 150 W
	200 200 W
	240* 240 W



Product description

Indumoon Round High Bay delivers an exceptional combination of value and performance with four lumen packages, adjustable lens for mid to high ceilings, rugged, die-cast construction, and separate optical and driver assemblies for superior thermal management.

- Wide range of brightness levels accommodates any project
- Adjustable beam angle (65°-105°) for mid to high ceilings
- Easy installation with hook mount or optional trunnion
- 1-10 V dimming standard, optional DALI converter
- 5-year limited warranty

Performance summary

Wattage	100 W		150 W		200 W		240 W [‡]	
Voltage	100-277 VAC	220 VAC	100-277 VAC	220 VAC	100-277 VAC	220 VAC	100-277 VAC	220 VAC
Current [†]	Max. 1.5 A	Max. inrush 80 A	Max. 1.8 A	Max. inrush 100 A	Max. 2.4 A	Max. inrush 100 A	Max. 3.0 A	Max. inrush 100 A
Lumens*	14,000		21,000		28,000		33,600	
Efficacy	140 lm/W							
UGR	<32							

Accessories



Part number	Description
SC-DALI-1	DALI to PWM converter
U-BRACKET	Trunnion mounting kit

* Based on 5000 K CCT.

† Input current +/- 10% (A).

‡ Available by special order. Contact SloanLED Sales.

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Product specifications

Electrical

Input voltage 100-277 VAC, 50-60 Hz

Wattage	Voltage	Current†	Lumens*	Efficacy	UGR
100 W	100-277 VAC	max. 1.5 A	14,000	140 lm/W	<32
	220 VAC	Max. inrush 80 A			
150 W	100-277 VAC	max. 1.8 A	21,000		
	220 VAC	Max. inrush 100 A			
200 W	100-277 VAC	max. 2.4 A	28,000		
	220 VAC	Max. inrush 100 A			
240 W‡	100-277 VAC	max. 3.0 A	33,600		
	220 VAC	Max. inrush 100 A			

Power factor >0.9

THD 7%

Dimming 1-10 V (DALI)

Lighting

Beam angle Adjustable, 65° - 105°

Color temperature (CCT) 5000 K

Color rendering (CRI) 80

Performance

Ingress protection IP40

IK code IK08

Operating temperature -35° C to +50° C

Life rating L₇₀ Reported >54,000 hours
L₇₀ Calculated 50,000 hours

Construction

Housing Diecast aluminum alloy

Lens Polycarbonate

Finish Black powder coat

Mounting

Surface/wall mount Trunnion

Ceiling mount Hook mount

Documentation

Warranty 5-year limited

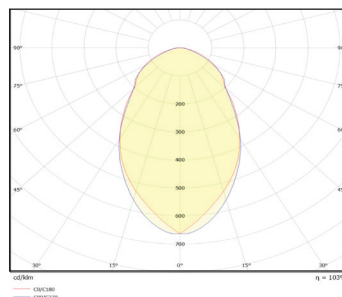
Agency listings CE, RoHS



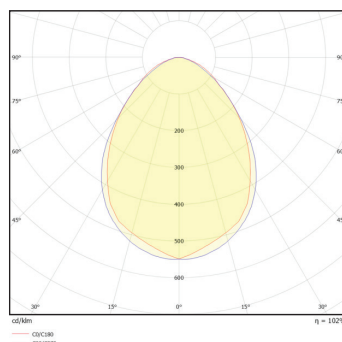
* Based on 5000 K CCT.
† Input current +/- 10% (A).
‡ Available by special order. Contact SloanLED Sales.

Photometrics

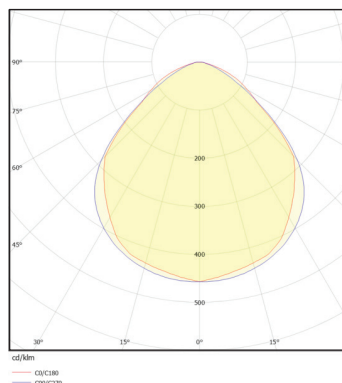
IMHB-100U-850-ADJ-BKDHM (65°)



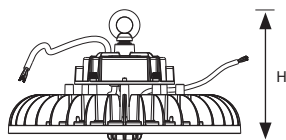
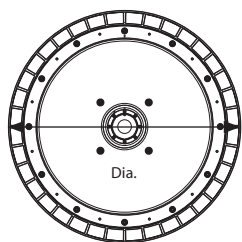
IMHB-100U-850-ADJ-BKDHM (90°)



IMHB-100U-850-ADJ-BKDHM (105°)



Dimensions



Wattage	Dia. x H	Weight
100 W	ø 265 x 163 mm	2.15 kg
150 W	ø 300 x 173 mm	2.65 kg
200 W	ø 340 x 178 mm	3.25 kg
240 W	ø 340 x 197 mm	3.95 kg

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DALI to PWM Converter

- Output PWM dimming signal compatible with PWM dimmable driver
- Dimming range 10 - 100% (dim to OFF)
- DALI dimming function
- IP67-rated waterproof casing

Part number SC-DALI-1

Output

PWM range 10 - 100% (dim to OFF)

PWM voltage 10 VDC

PWM source current 5 mA max.

PWM tolerance $\pm 5\%$

Frequency 1 KHz

Temperature drift $\pm 5\%$

Startup time <15 @ 16 VDC, DALI typical voltage

Input

Input voltage 10-22.5 VDC

Input current ≤ 5 mA

Environment

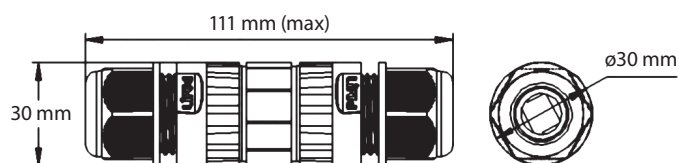
Ingress protection IP67

Working temperature $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Working humidity 20-90% RH (no condensation)

Storage temperature & humidity $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$ (six [6] months under Class I environment), 10 - 90% RH (no condensation)

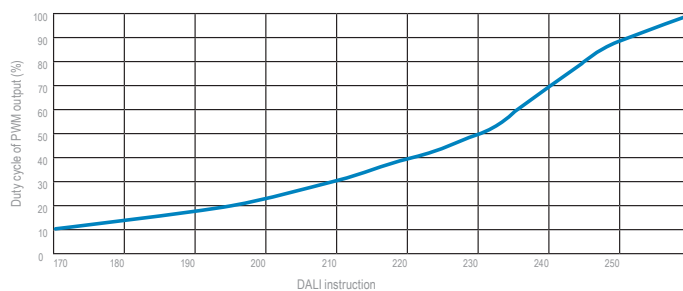
Atmospheric pressure 86 KPa $\sim$ 106 KPa



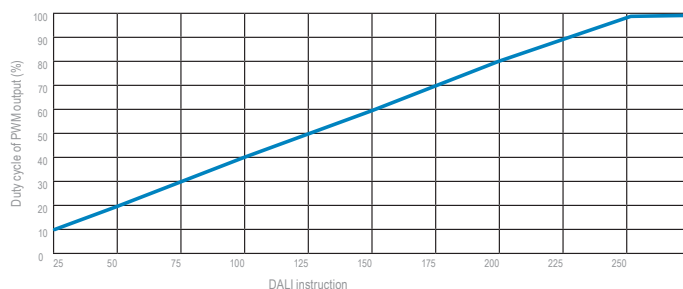
DALI Dimming

- Default setting 100% maximum output
- Connect DALI signal to DA1 and DA2 terminals
- DALI protocol includes 16 groups and 64 IP addresses
- Minimum dimming depth 10%

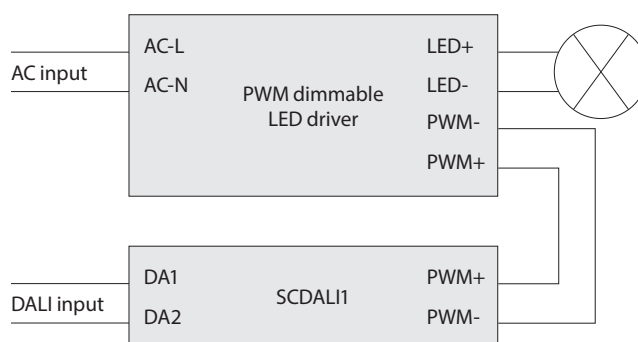
DALI logarithmic dimming curve



DALI linear dimming curve



Wiring Diagram



Description of Terminals

Input	Description	Output	Description
DA1	DA1 dimming input terminal	PWM+	PWM signal output terminal
DA2	DA2 dimming input terminal	NC	Vacant
		PWM-	PWM signal output terminal

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