

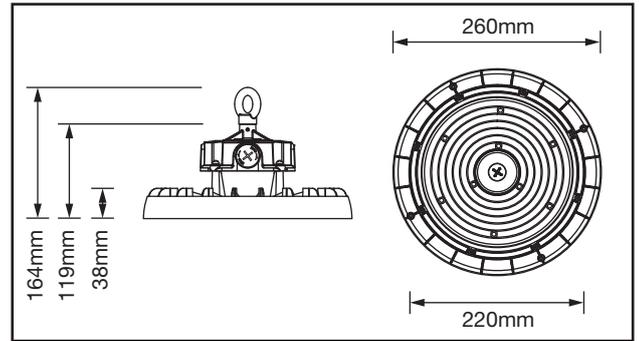
AHB/100/CCT

100W IP65, CCT & Power Selectable,
Ultra-Efficient High Power LED HighBay



PRODUCT FEATURES

- High Efficiency & High Lumen Output $\leq 176\text{lm/W}$
- IP65 & IK08 Perfect For Harsh Environments
- CCT Selectable (3000K / 4000K / 5000K)
- Wattage Selectable (60W / 80W / 100W)
- 2m Pre-Wired Tough Rubber Cable
- High Quality Diecast Carbon Black Aluminium Body
- Compatible With 110V Site Transformer For Building Sites
- 1-10V Dimmable
- Emergency Pack Available (AHB/EM/ST)*
- Plug & Play Microwave Sensor Available (AHB/MS)*
- One Programmable Remote Required For Unlimited Amount Of Microwave Sensors (AHB/RMT)*
- 5 Year Guarantee



TECHNICAL SPECIFICATIONS

Code	AHB/100/CCT								
	100W			80W			60W		
Max Output Power (W)	100W			80W			60W		
CCT (Kelvin)	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Luminous Flux (LM)	$\leq 13,890\text{lm}$	$\leq 16,210\text{lm}$	$\leq 14,390\text{lm}$	$\leq 11,577\text{lm}$	$\leq 13,230\text{lm}$	$\leq 12,405\text{lm}$	$\leq 9,590\text{lm}$	$\leq 10,585\text{lm}$	$\leq 10,090\text{lm}$
Useful Luminous Flux (LM)	$\leq 10,800\text{lm}$	$\leq 12,610\text{lm}$	$\leq 11,190\text{lm}$	$\leq 9,000\text{lm}$	$\leq 10,290\text{lm}$	$\leq 9,650\text{lm}$	$\leq 7,460\text{lm}$	$\leq 8,235\text{lm}$	$\leq 7,848\text{lm}$
LM/W	$\leq 138\text{lm/W}$	$\leq 162\text{lm/W}$	$\leq 143\text{lm/W}$	$\leq 144\text{lm/W}$	$\leq 165\text{lm/W}$	$\leq 155\text{lm/W}$	$\leq 159\text{lm/W}$	$\leq 176\text{lm/W}$	$\leq 168\text{lm/W}$
Beam Angle (°)	90°			90°			90°		
SDCM	≤ 6			≤ 6			≤ 6		
CRI	≥ 70			≥ 70			≥ 70		
Peak Intensity (cd)	7655cd	8931cd	7928cd	6379cd	7290cd	6835cd	5285cd	5832cd	5559cd
Operating Voltage (V)	100-240V AC			100-240V AC			100-240V AC		
Operating Current Max (A)	1A			1A			1A		
Efficiency %	97%			98%			92%		
Power Factor (Pf)	≥ 0.9			≥ 0.9			≥ 0.9		
Class	I			I			I		
Body Material	Diecast Aluminium			Diecast Aluminium			Diecast Aluminium		
Frame Colour	Carbon Black			Carbon Black			Carbon Black		
Switching Cycles	50,000			50,000			50,000		
Ingress Protection	IP65			IP65			IP65		
Impact Protection	IK08			IK08			IK08		
Surge Protection	6kV			6kV			6kV		
Ambient Operating Temperature (°C)	$-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$			$-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$			$-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$		
Input Frequency (Hz)	50/60Hz			50/60Hz			50/60Hz		
Guarantee	5 Years			5 Years			5 Years		
Cable Length	2m (240v Cable), 0.2m (1-10V)			2m (240v Cable), 0.2m (1-10V)			2m (240v Cable), 0.2m (1-10V)		
Lifetime (L70 B50)	100,000 Hrs			100,000 Hrs			100,000 Hrs		
Survival Factor	$\geq 90\%$			$\geq 90\%$			$\geq 90\%$		
Lumen Maintenance Factor	$\geq 92\%$			$\geq 92\%$			$\geq 92\%$		
Displacement Factor	≥ 0.9			≥ 0.9			≥ 0.9		

FUSE CHART

Product	QTY (pcs)			Inrush Current (A)
	C10A	B16A	C16A	
AHB/100/CCT	14	16	22	75
AHB/150/CCT	10	12	16	88
AHB/200/CCT	8	8	13	94.5



*Sold Separately