

Luxtronik



Pandora Highbay Light (MHB)

50w-400w

Spec Sheet

Version 1.0
April 20, 2017

Luxtronik Technical Department

Pandora modular series is designed to solve long lasting issues in the supply and availability of industrial lighting. Our brand new Modular LED system is a fusion of exciting new technologies that gives our partners the flexibility to customize optics instantly and build a variety of luminaires on demand.

Features & Benefits

- Rapid fit optics, customize the light beam to deliver the perfect performance.
- Plug and play
- Unique waterproofing concept - instant IP65 rating for the light engines
- >130 lm/W designed to meet and exceed industry performance standards
- Protective UV stabilized powder coated finish
- Compatible with multiple dimming protocols including 0-10V and DALI
- Optional built-in emergency

Application

Pandora Highbay is ideal for;

- Cold Storage facilities
- Wet Location areas
- Warehouses
- Logistic centers
- Production workshop

Technical Specification

Description	Pandora LED Modular Highbay Light Series (MHB) Industrial and wet location applications							
Recommended Product Location								
Model Number	LUX-MHB-050	LUX-MHB-075	LUX-MHB-100	LUX-MHB-150L	LUX-MHB-150H	LUX-MHB-200	LUX-MHB-300	LUX-MHB-400
Module Quantity	1	1	2	2	3	3	4	6
Module Max Power	50w	75w	100w	150w	150w	200w	300w	400w
Typical System Power	55w	80w	110w	165w	165w	220w	330w	440w
Typical Luminous Flux	7,100	9,600	14,300	19,000	21,400	26,800	39,600	57,000
Light Source	Lumileds / Osram mid-power LED							
Number of LEDs	80 LEDs per module							
Correlated Colour Temperature	4000K, 5000K, 6500K							
Colour Rendering Index	>70 or >80 available							
System Efficacy	130 lm/w							
LED Junction Temp.	≤75°C (@ Ta=25°C)							
Optics	Round: D3 (30°x30°), D6 (60°x60°), D9 (90°x90°) Nema: Type I (30°x100°), Type V (140°x140°)							
Driver	Meanwell							
Input Voltage Range	100-305VAC 50/60Hz							
Power Factor	> 0.9							
Electrical Class	Class I							
Dimming Control options	1-10V, DALI							
Driver Tc	75°C							
Ambient Operating Temperature	-40°C to +40°C							
Ambient Storage Temperature	-25°C to +80°C							
Material	Die-cast Aluminium (module), Zinc galvanized steel (bracket)							
Optical Cover	Polycarbonate							
Finish	Black or Grey powder coating (customized RAL colour available upon request)							
Ingress Protection (IP)	IP65							
Quality Assurance System	ISO9001, ISO14001							
Batch Coded	Yes							
Certification	CE, CB, SAA, ETL							

Accessories

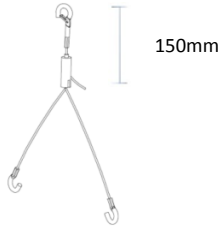
Sensor compatible

Bracket design can be custom made for different motion or daylight sensors (ordered separately)



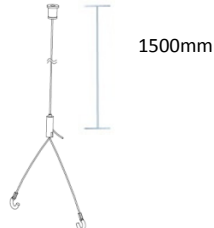
Mounting

Chain mounting and cord suspension kits available as standard. Surface mounting options available on request.



Chain Mounting Kit

*Chain not included



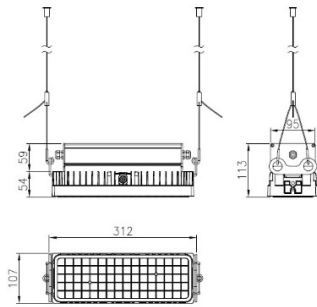
Cord Suspension Kit

Emergency

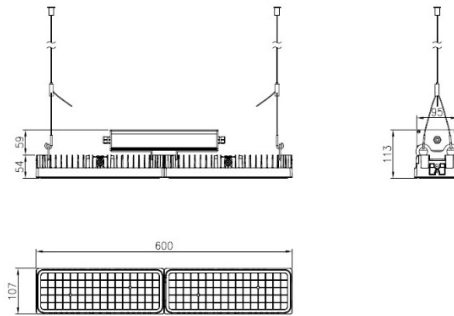
3-hour emergency back-up available on request

Dimensions

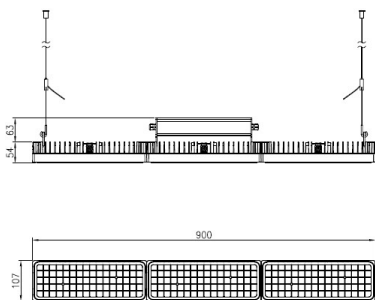
50 / 75



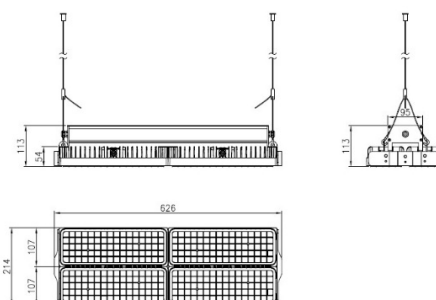
100 / 150L



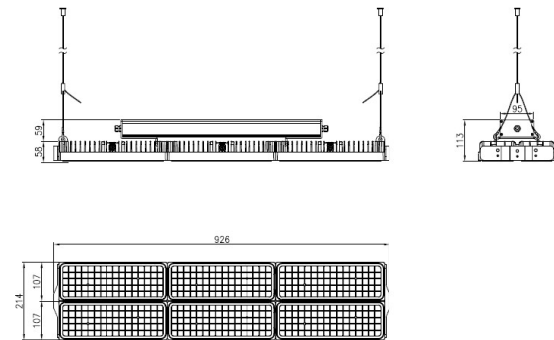
150H / 200



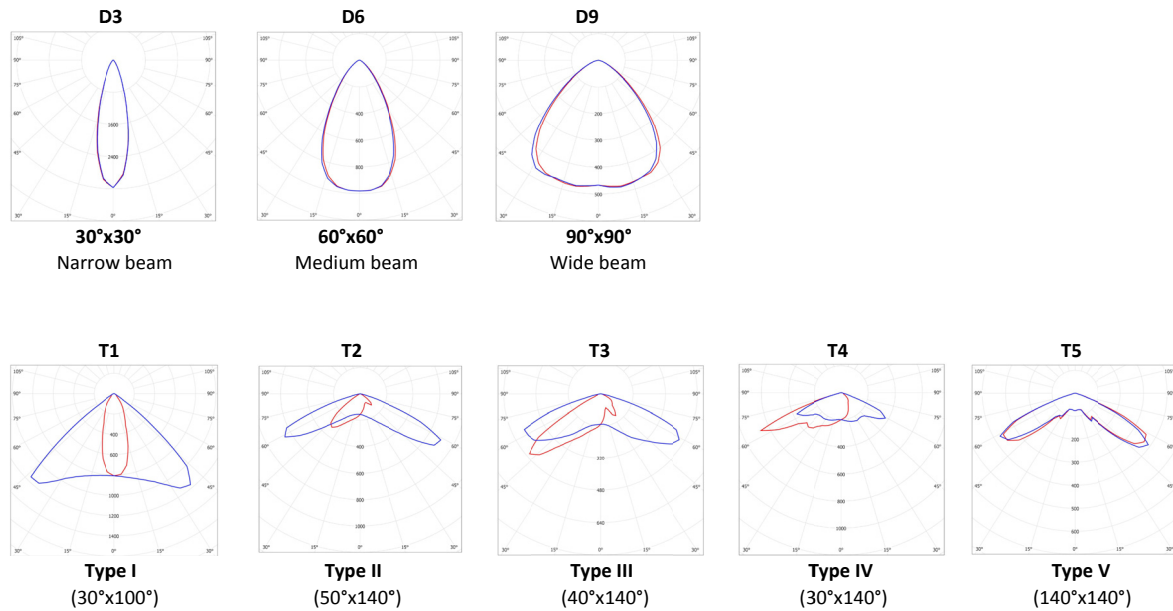
300



400



Photometrics



Ordering Information

Product ID	LED Power	Color Temp	CRI	Optics	Control	Mounting	Finish	(Optional) Emergency
MHB	050 = 50W 075 = 75W 100 = 100W 150L = 150W 150H = 150W 200 = 200W 300 = 300W 400 = 400W	40K = 4000K 50K = 5000K 65K = 6500K	70 = Min 70 80 = Min 80	D3 = Round (30°x30°) D6 = Round (60°x60°) D9 = Round (90°x90°) T1 = Type I (30°x100°) T2 = Type II (50°x140°) T3 = Type III (40°x140°) T4 = Type IV (30°x140°) T5 = Type V (140°x140°)	ND = Non-Dimmable VD = 0-10V Dimmable DD = DALI Dimmable	CM = Chain Mounted CS = Cord Suspension	WH = White BL = Black	EM = 3hr Back up

Note: Actual performance may differ as a result of end-user environment and application. All values are typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.