Luxtronik



Pandora Highbay Light (MHB-PLUS)

75W-400W

Spec Sheet

Version 2.1

Oct 18, 2018

Luxtronik Technical Department

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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
- >160 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

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Technical Specification

MHB Technical Specification

Description	Pandora PLUS LED Modular Highbay Light Series (MHB-PLUS)					
Recommended Product Location	Industrial and w et location applications					
Model Number	**LUX-MHB-075-PLUS**	**LUX-MHB-100-PLUS**	**LUX-MHB-150-PLUS**	**LUX-MHB-200-PLUS**	**LUX-MHB-300-PLUS**	**LUX-MHB-400-PLUS**
Module Quantity	1	1	2	2	3	4
Module Max Power	75w	100w	150w	200w	300w	400w
Typical System Power	82w	110w	160w	220w	320w	440w
Typical Luminous Flux	12,800	17,800	25,500	35,800	52,100	71,800
Light Source	Lumileds 5050 LED					
Number of LEDs	80 LEDs per module					
Correlated Colour Temperature	4000K, 5000K, 6500K					
Colour Rendering Index	>70 or >80 available					
System Efficacy	160~165 lm/w					
LED Junction Temp.	≤75°C (@ Ta=25°C)					
Optics	Round: D2 (20°x20°), D3 (30°x30°), D6 (60°x60°) Nema: Type I (30°x100°), Type II (50°x140°), Type II (40°x140°), Type IV (30°x140°), Type V (140°x140°)					
Driver	Meanw ell / Inventroncs					
Input Voltage Range	100-305VAC50/60Hz (347-480VAC available)					
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 pow der 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)



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Mounting

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





Chain Mounting Kit **Cord Suspension Kit**

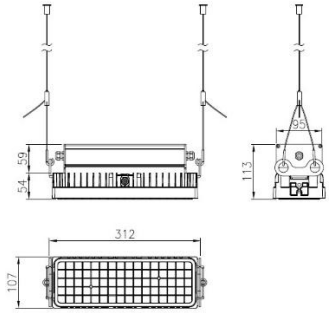
*Chain not included

Emergency

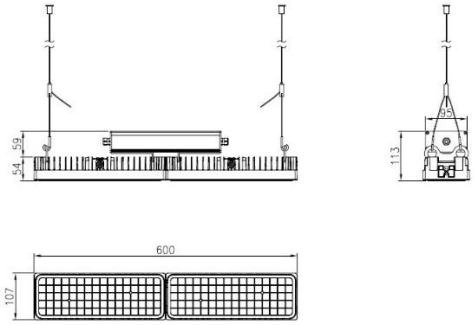
3-hour emergency back-up available on request

Dimensions

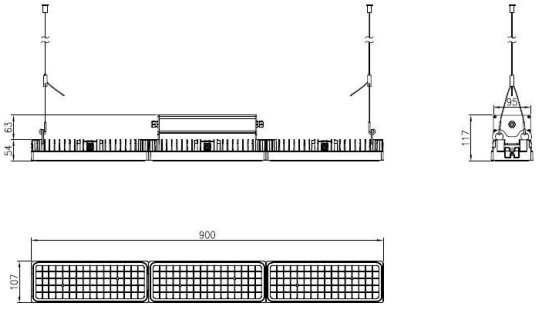
75/100



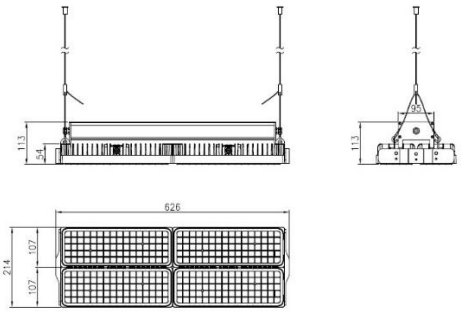
150/200



300



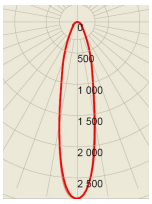
400



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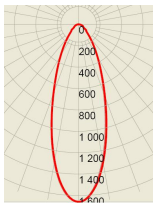
Photometrics

D2



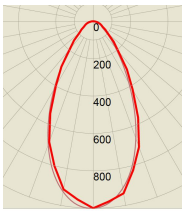
20°x20°
Very-Narrow beam

D3



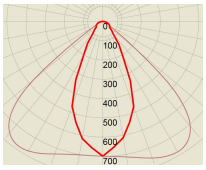
30°x30°
Narrow beam

D6



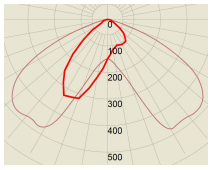
60°x60°
Medium beam

T1



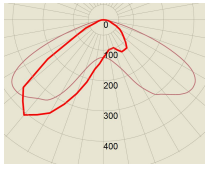
Type I
(30°x100°)

T2



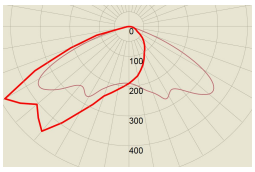
Type II
(50°x140°)

T3



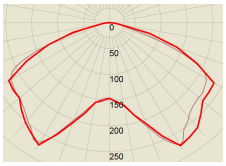
Type III
(40°x140°)

T4



Type IV
(30°x140°)

T5



Type V
(140°x140°)

Ordering Information

Product ID	LED Power	Color Temp	CRI	Optics	Control	Mounting	Finish	(Optional) Emergency
MHB-PLUS	**075** = 75W **100** = 100W **150** = 150W **200** = 200W **300** = 300W **400** = 400W	**40K** = 4000K **50K** = 5000K **65K** = 6500K	**70** = Min 70 **80** = Min 80	**D2** = Round (20°x20°) **D3** = Round (30°x30°) **D6** = Round (60°x60°) **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.

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