Luxtronik



Pandora Flood Light (MFL-PLUS-PRO)

400w-1600w

Spec Sheet

Version 2.1
2025

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
- Super high efficacy 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 Flood Light is ideal for;

- Building facades
- Area lighting
- Signage & Billboards
- Depots
- Heavy industrial and wet locations

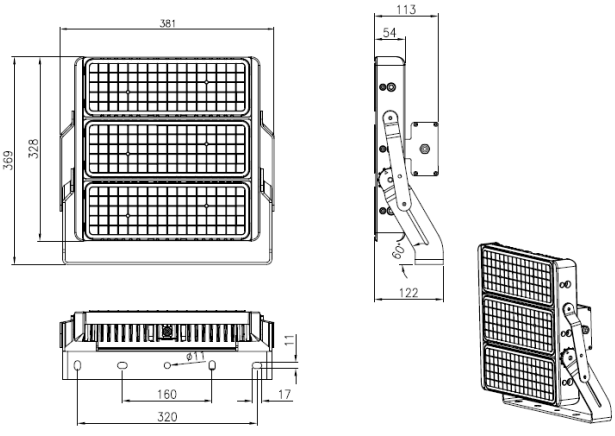
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Technical Specification

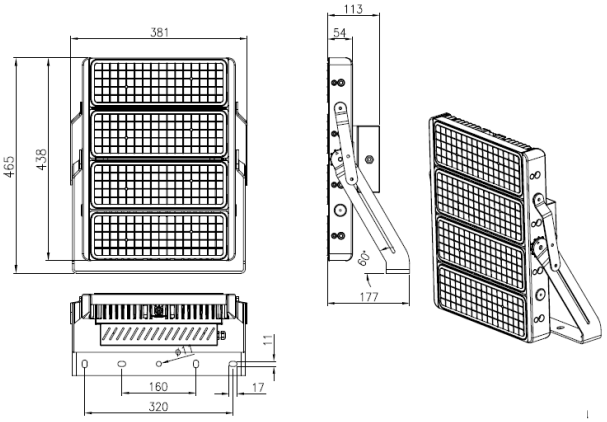
Description	Pandora LED Modular Flood Light Series (MFL-PLUS-PRO)			
Recommended Product Location	Area and site lighting applications			
Model Number	**LUX-MFL-400-PLUS-PRO**	**LUX-MFL-500-PLUS-PRO**	**LUX-MFL-600-PLUS-PRO**	**LUX-MFL-800-PLUS-PRO**
Module Quantity	1x3	1x4	1x5	2x3
Typical System Power	440w	505w	640w	840w
Typical Luminous Flux	67,500	78,600	99,600	133,100
Model Number	**LUX-MFL-1000-PLUS-PRO**	**LUX-MFL-1200-PLUS-PRO**	**LUX-MFL-1400-PLUS-PRO**	**LUX-MFL-1600-PLUS-PRO**
Module Quantity	2x4	2x5	2x6	2x7
Typical System Power	1050W	1280W	1440w	1660w
Typical Luminous Flux	157,800	200,600	225,100	259,400
Light Source	High power 5050 LED			
Number of LEDs	80 LEDs per module			
Correlated Colour Temperature	4000K, 5000K, 6500K			
Colour Rendering Index	>70 or (>80 available)			
System Efficacy	154-160 lm/w			
LED Junction Temp.	⩽75ºC (@ Ta=25ºC)			
Optics	Round: D2 (20°x20°), D3 (30°x30°), D6 (60°x60°) Nema: T1 / T2 / T3 / T3B / T3C / T4 / T5			
Driver	Inventronics			
Input Voltage Range	100-305VAC 50/60Hz			
Power Factor	> 0.9			
Electrical Class	Class I			
Dimming Control options	0-10V, DALI			
Driver Tc	75°C			
Ambient Operating Temperature	-40ºC to +40ºC			
Ambient Storage Temperature	-25ºC to +80ºC			
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			

Dimensions

400

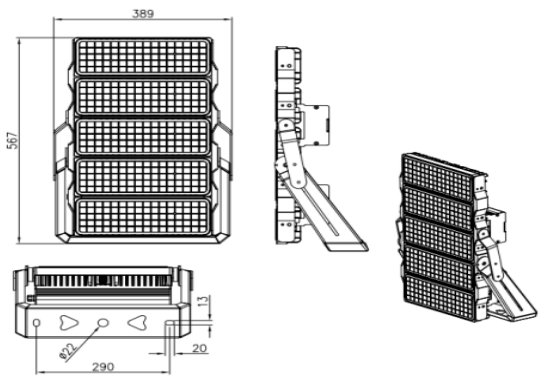


500

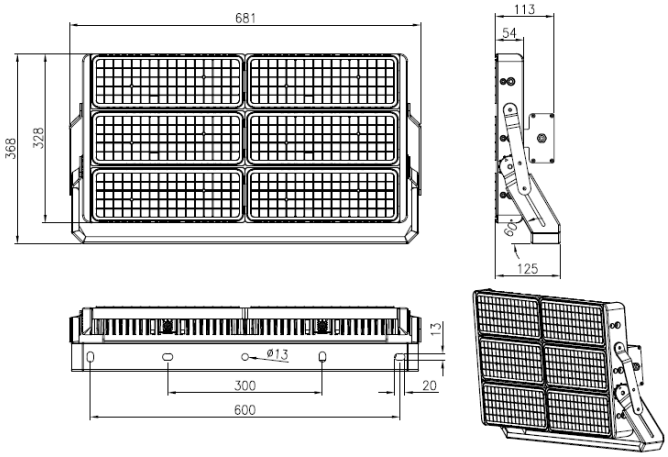


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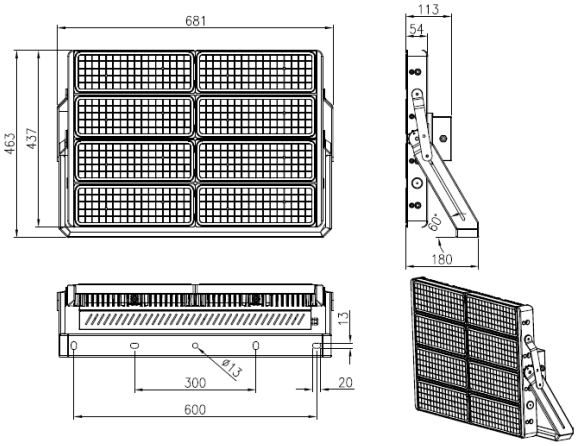
600



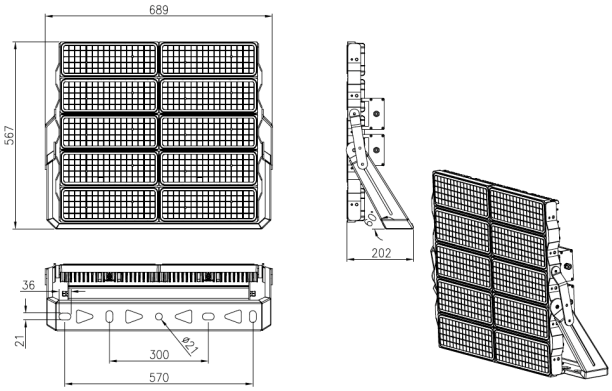
800



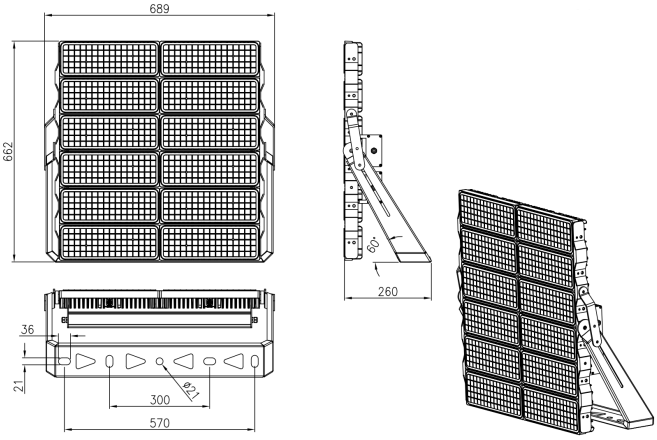
1000



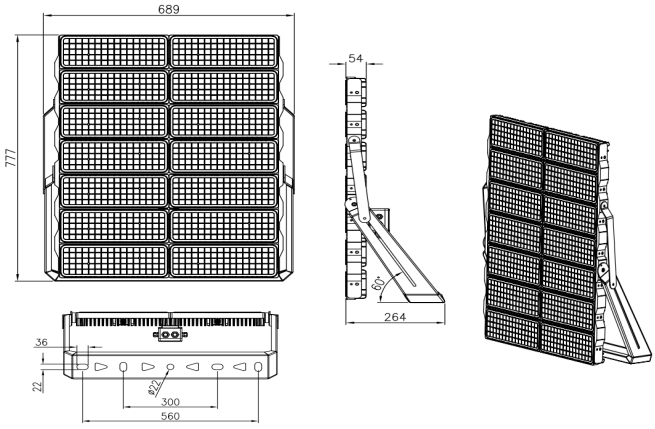
1200



1400



1600

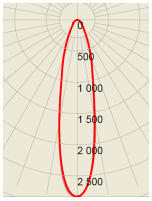


(Remote driver)

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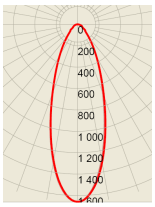
Photometrics

D2



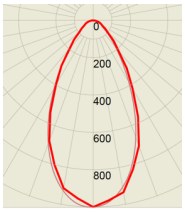
20°x20°
Very-Narrow beam

D3



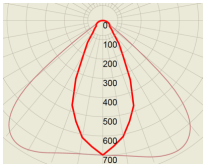
30°x30°
Narrow beam

D6



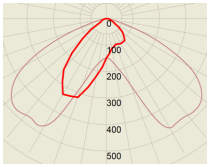
60°x60°
Medium beam

T1



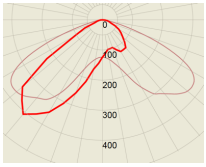
Type I
(30°x100°)

T2



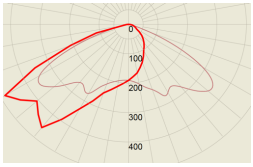
Type II
(50°x140°)

T3



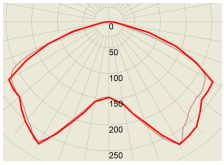
Type III
(40°x140°)

T4



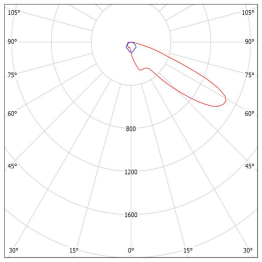
Type IV
(30°x140°)

T5

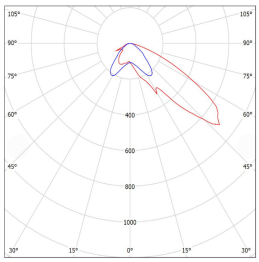


Type V
(140°x140°)

T3B



T3C



Ordering Information

Product ID	LED Power	Color Temp	CRI	Optics	Control	Finish
MFL-PLUS-PRO	**400** = 400W	**40K** = 4000K	**70** = Min 70	**D2** = Round (20°x20°)	**ND** = Non-Dimmable	**WH** = White
	600 = 600W	**50K** = 5000K	**80** = Min 80	**D3** = Round (30°x30°)	**VD** = 0-10V Dimmable	**BL** = Black
	800 = 800W	**65K** = 6500K		**D6** = Round (60°x60°)	**DD** = DALI Dimmable	
	1000 = 1000W			**T1** = Type I		
	1200 = 1200W			**T2** = Type II		
	1400 = 1400W			**T3** = Type III		
	1600 = 1600W			**T3B** = Type III B		
				T3C = Type III C		
				T4 = Type IV		
				T5 = Type V		

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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