Luxtronik

Pandora Flood Light (MFL-PLUS)

75w-1200w

Spec Sheet

Version 2.1
October 18, 2018

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
- >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 Flood Light is ideal for;

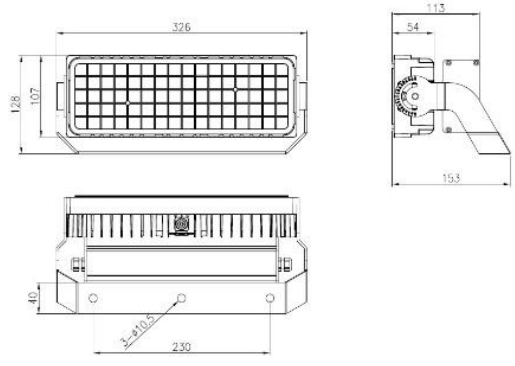
- Building facades
- Area lighting
- Signage & Billboards
- Depots
- Heavy industrial and wet locations

Technical Specification

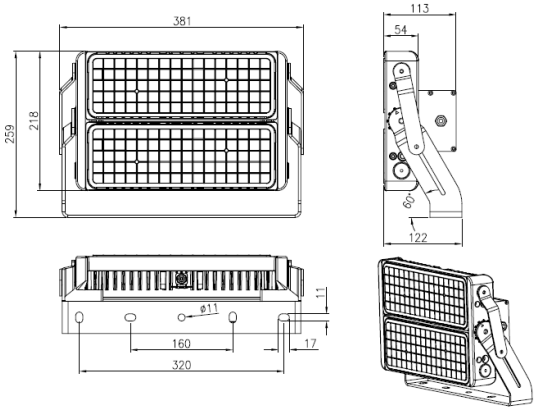
Description	Pandora LED Modular Flood Light Series (MFL-PLUS)					
Recommended Product Location	Area and site lighting applications					
Model Number	**LUX-MFL-075-PLUS**	**LUX-MFL-100-PLUS**	**LUX-MFL-150-PLUS**	**LUX-MFL-200-PLUS**	**LUX-MFL-300-PLUS**	**LUX-MFL-400-PLUS**
Module Configuration (Column x Row)	1x1	1x1	1x2	1x2	1x3	1x4
Typical System Power (W)	82	110	160	220	320	440
Typical Luminous Flux (lm)	12,800	17,800	25,500	35,800	52,100	71,800
	LUX-MFL-600-PLUS	**LUX-MFL-800-PLUS**	**LUX-MFL-1000-PLUS**	**LUX-MFL-1200-PLUS**		
	2x3	2x4	2x5	2x6		
	640	880	1,100	1,280		
	105,000	143,500	179,400	208,000		
Light Source	5050 LED					
Number of LEDs	80 LEDs per module					
Correlated Colour Temperature	4000K, 5000K , 6500K					
Colour Rendering Index	>70 or (>80 available)					
System Efficacy	160-166 lm/W					
LED Junction Temp.	≤80ºC (@ Ta=25ºC)					
Optics	Round: D2 (20°x20°), D3 (30°x30°), D6 (60°x60°) Nema: Type I (30°x100°), Type II (50°x140°), Type III (40°x140°), Type IV (30°x140°), Type V (140°x140°)					
Driver	Meanwell / Inventronics					
Input Voltage Range	100-305VAC 50/60Hz (347-480VAC available)					
Power Factor	> 0.9					
Electrical Class	Class I					
Dimming Control options	0-10V, DALI					
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					
Certification	CE, CB, SAA, ETL					

Dimensions

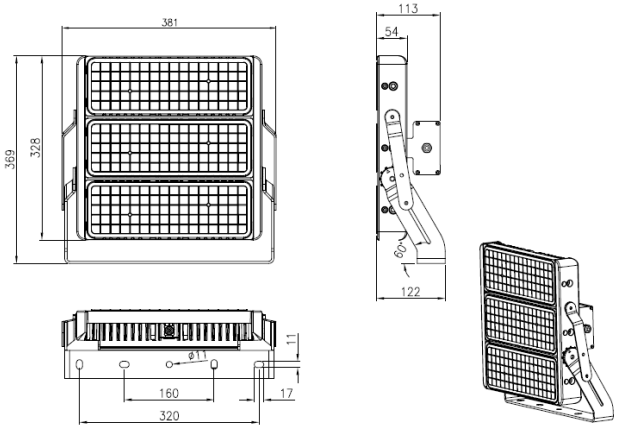
75 / 100



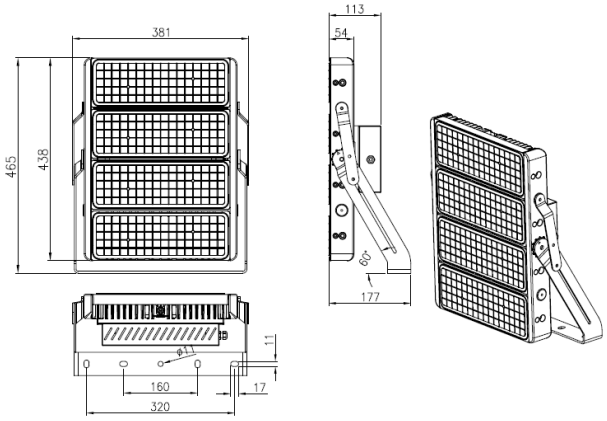
150 / 200



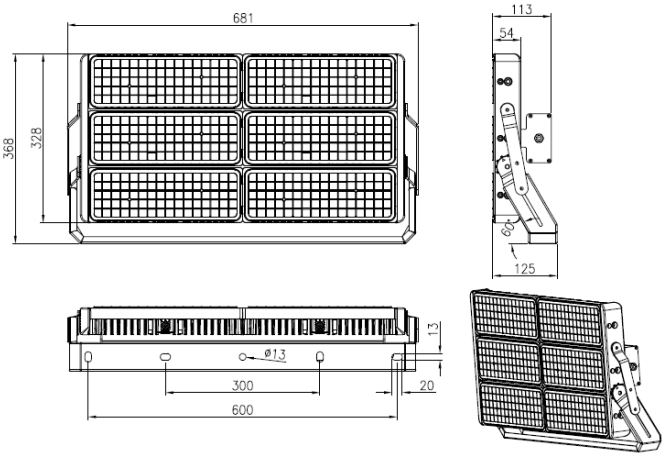
300



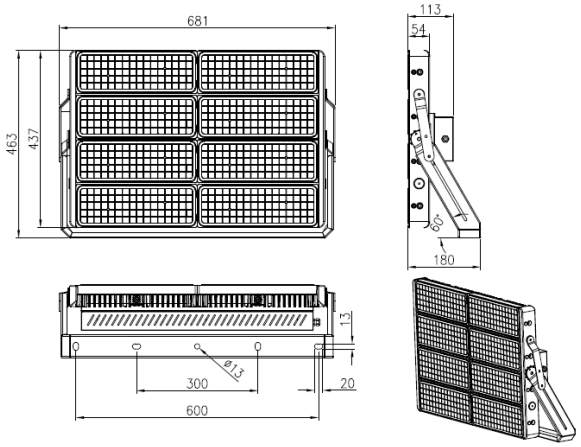
400



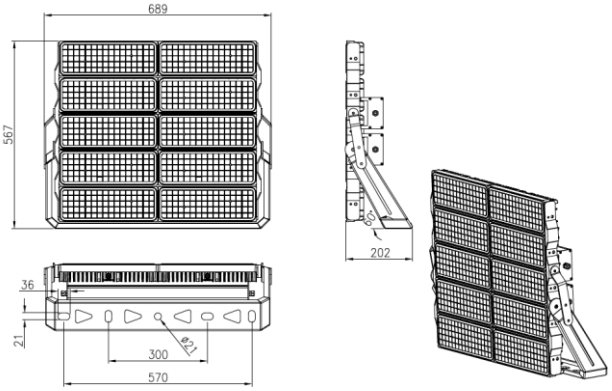
600



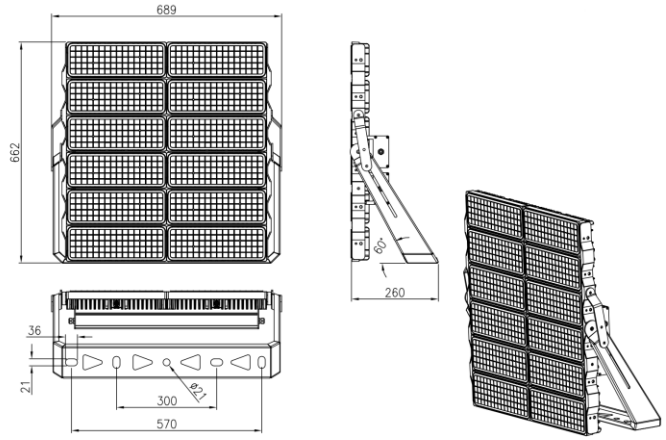
800



1000

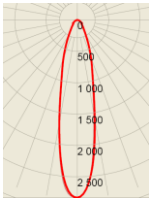


1200



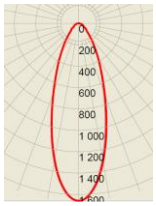
Photometrics

D2



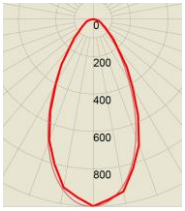
20°x20°
Very-Narrow beam

D3



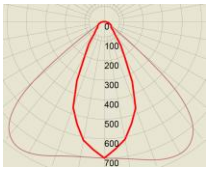
30°x30°
Narrow beam

D6



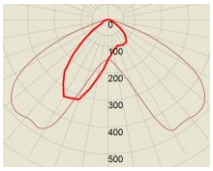
60°x60°
Medium beam

T1



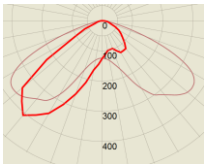
Type I
(30°x100°)

T2



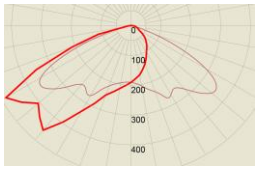
Type II
(50°x140°)

T3



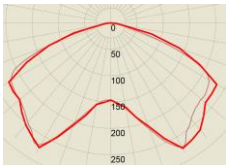
Type III
(40°x140°)

T4



Type IV
(30°x140°)

T5



Type V
(140°x140°)

Ordering Information

Product ID	System Power	Color Temp	CRI	Optics	Control	Finish
MFL-PLUS	**075** = 82W **100** = 110W **150** = 160W **200** = 220W **300** = 320W **400** = 440W **600** = 620W **800** = 880W **1000** = 1100W **1200** = 1280W	**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	**WH** = White **BL** = Black

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.