



Modular Flood Light (MFL-PLUS)

75W-1200W

Spec Sheet

Version 2.1
October 18, 2018

Modular-Plus Floodlight 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;

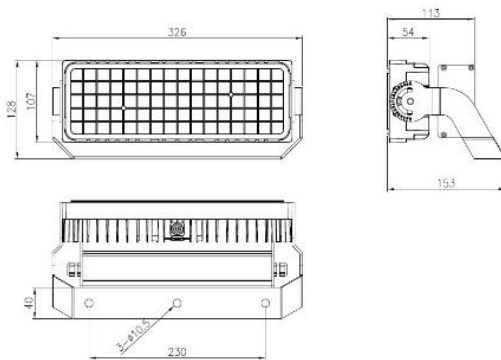
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| - Building facades | - Depots |
| - Area lighting | - Heavy industrial and wet locations |
| - Signage & Billboards | |

Technical Specification

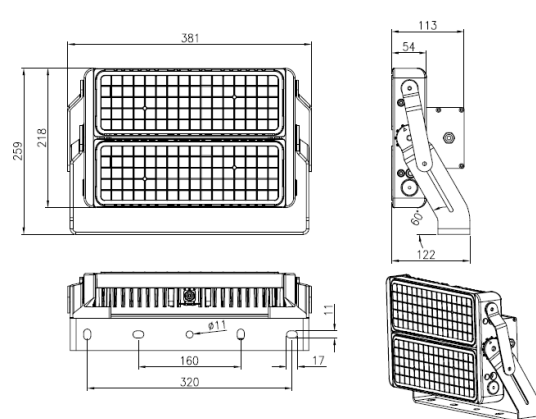
Description	Modular LED Flood Light Series (MFL-P) (P=PLUS)							
Recommended Product Location	Area and site lighting applications							
Model Number	FL-MFL-P-75W	FL-MFL-P-100W	FL-MFL-P-150W	FL-MFL-P-200W	FL-MFL-P-300W	FL-MFL-P-400W	FL-MFL-P-600W	FL-MFL-P-800W
Module Quantity (Column x Row)	1x1	1x1	1x1	1x2	1x3	1x4	2x3	2x4
Module Max Power	75w	100w	150w	200w	300w	400w	600w	800w
Typical System Power	80w	110w	160w	220w	320w	440w	640w	880w
Typical Luminous Flux	12,800	17,800	25,500	35,800	52,100	71,800	105,000	143,500
	FL-MFL-P-1000W	FL-MFL-P-1200W						
	2x5	2x6						
	1000w	1200w						
	1100w	1280w						
	179,400	208,000						
Light Source	5050 SMD 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.	≤80°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 III (40°x140°), Type IV (30°x140°), Type V (140°x140°)							
Driver	Meanwell / 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	-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							

Dimensions

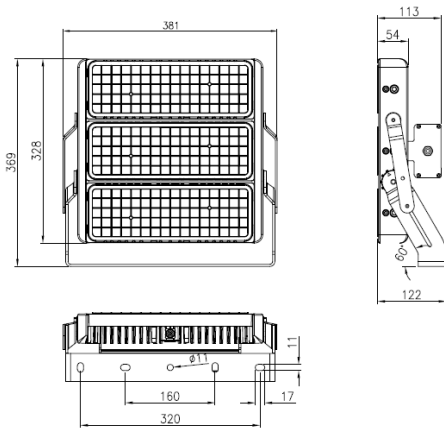
75W / 100W



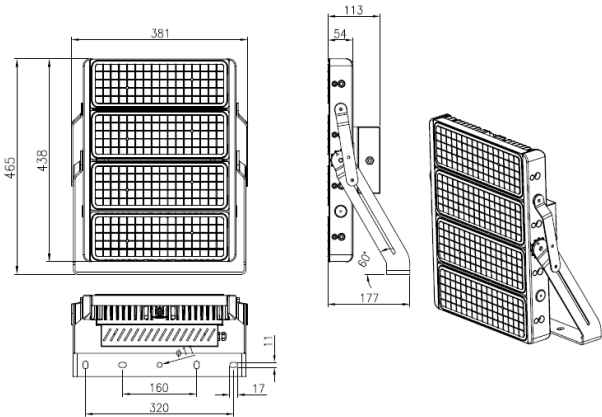
150W / 200W



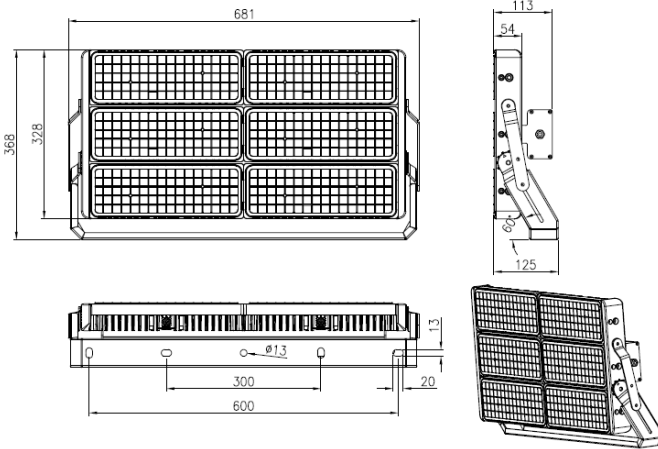
300W



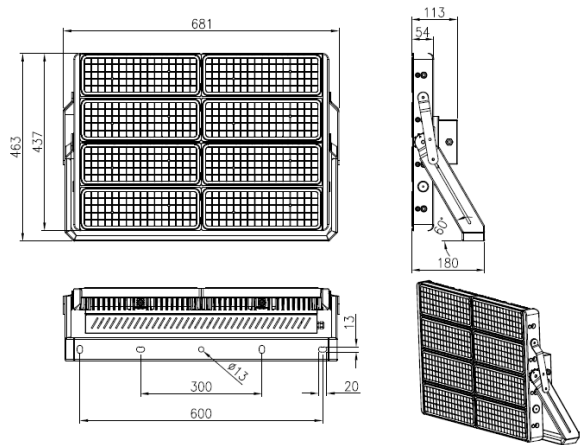
400W



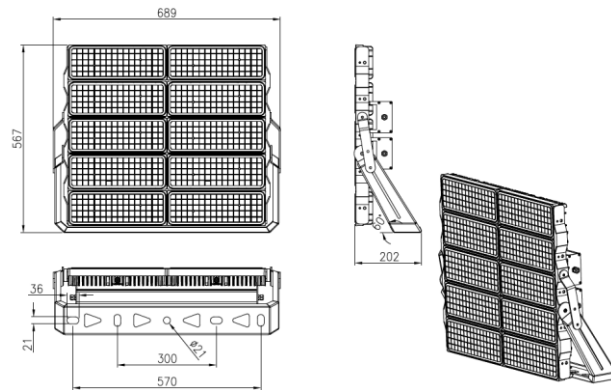
600W



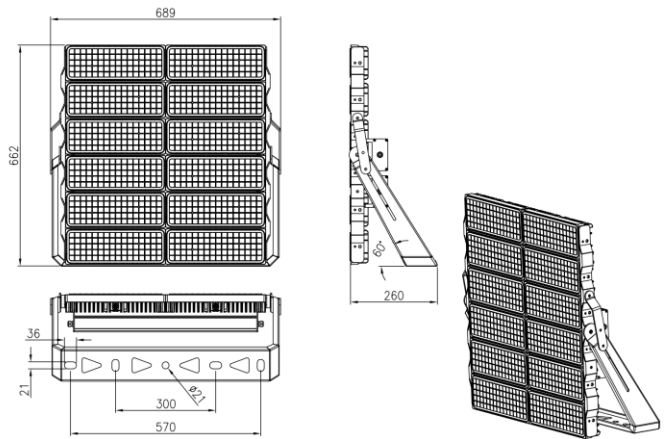
800W



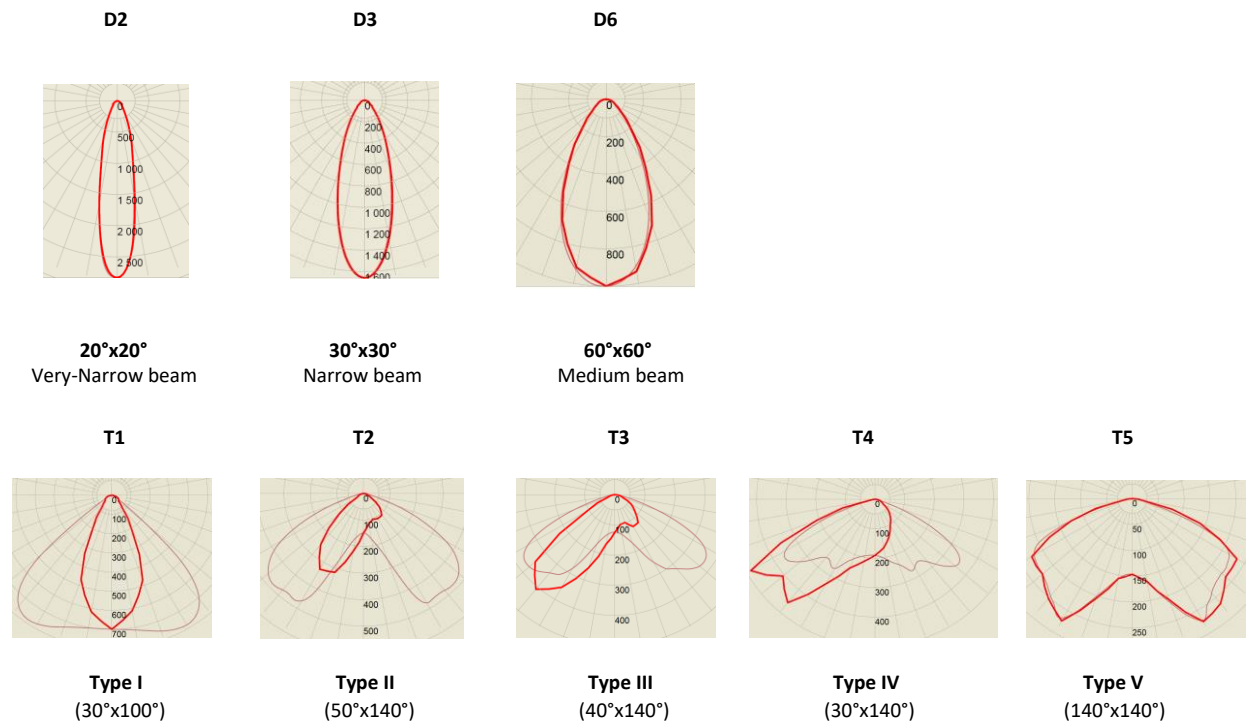
1000W



1200W



Photometrics



Ordering Information

Product ID	System Power	Color Temp	CRI	Optics	Control	Finish
MFL-PLUS	075 = 82W	40K = 4000K	70 = Min 70	D2 = Round (20°x20°)	ND = Non-Dimmable	WH = White
	100 = 110W	50K = 5000K	80 = Min 80	D3 = Round (30°x30°)	VD = 0-10V Dimmable	BL = Black
	150 = 160W	65K = 6500K		D6 = Round (60°x60°)	DD = DALI Dimmable	
	200 = 220W			T1 = Type I (30°x100°)		
	300 = 320W			T2 = Type II (50°x140°)		
	400 = 440W			T3 = Type III (40°x140°)		
	600 = 620W			T4 = Type IV (30°x140°)		
	800 = 880W			T5 = Type V (140°x140°)		
	1000 = 1100W					
	1200 = 1280W					

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.