

Pandora MFL Plus Flood Light

75W - 1200W

03/2020



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

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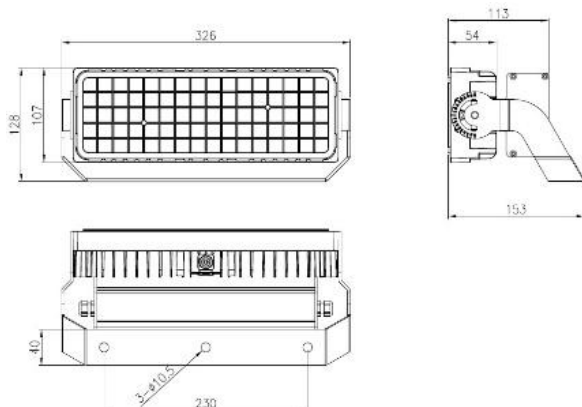
Technical Specification

Seite 2

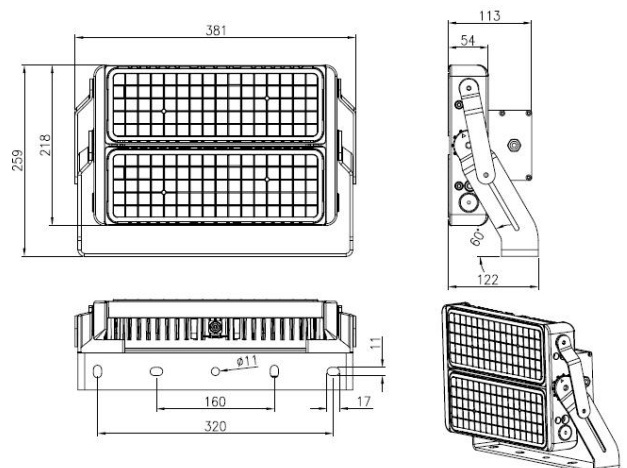
Description	Pandora LED Modular Flood Light Series (MFL-PLUS)						
Recommended Product Location	Area and site lighting applications						
Model Number	SPE-MFL-075-PLUS	SPE-MFL-100-PLUS	SPE-MFL-150-PLUS	SPE-MFL-200-PLUS	SPE-MFL-300-PLUS	SPE-MFL-400-PLUS	
Module Configuration (Column x Row)	1x1	1x1	1x2	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	
	SPE-MFL-600-PLUS	SPE-MFL-800-PLUS	SPE-MFL-1000-PLUS	SPE-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.	≤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 (347-480VAC available)						
Power Factor	> 0.9						
Electrical Class	Class I						
Dimming Control options	0-10V, DALI						
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

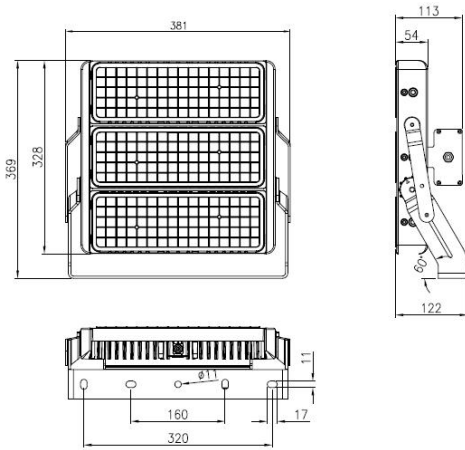


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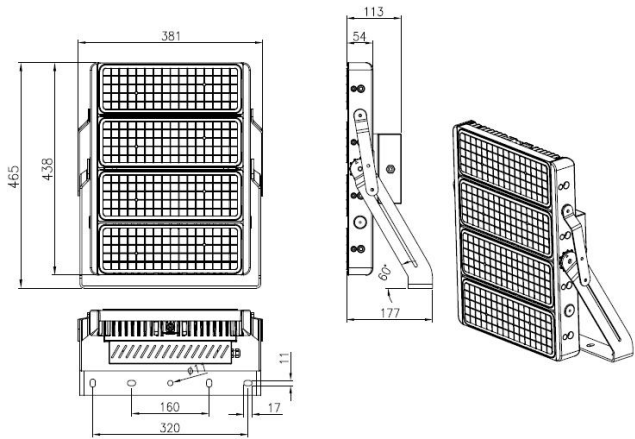
75W - 1200W

Seite 3

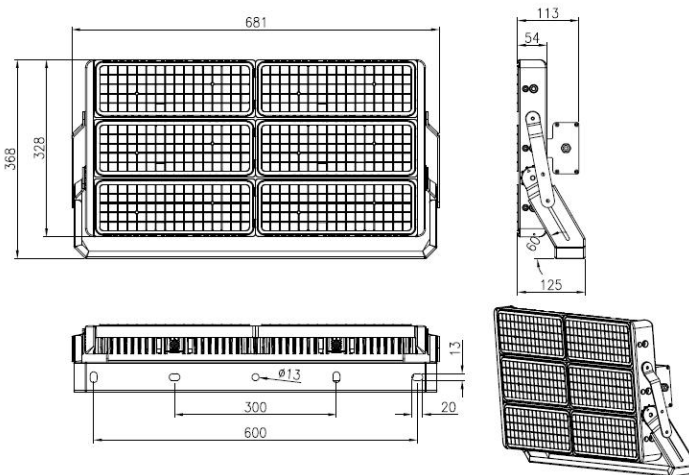
300W



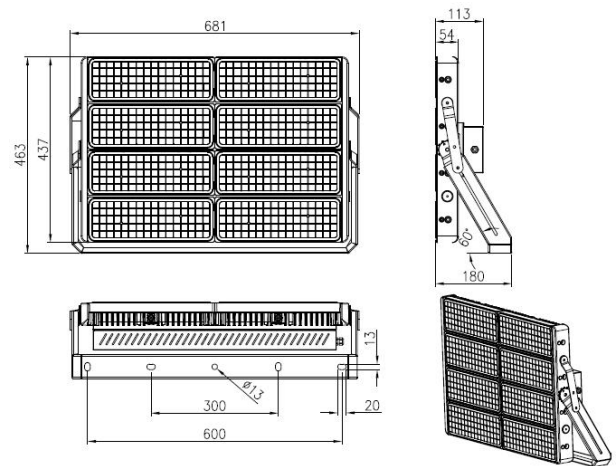
400W



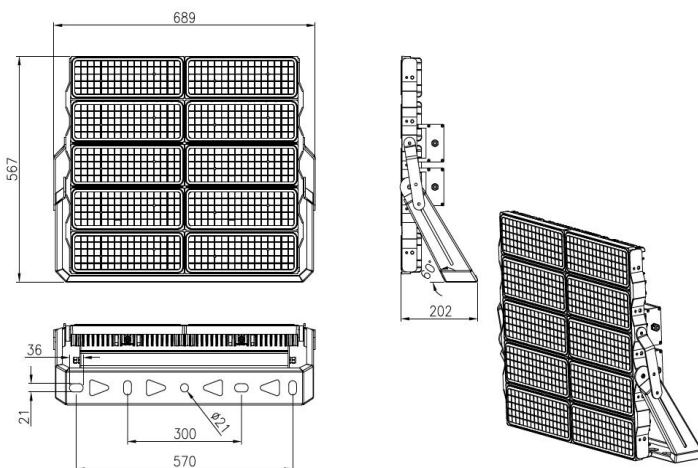
600W



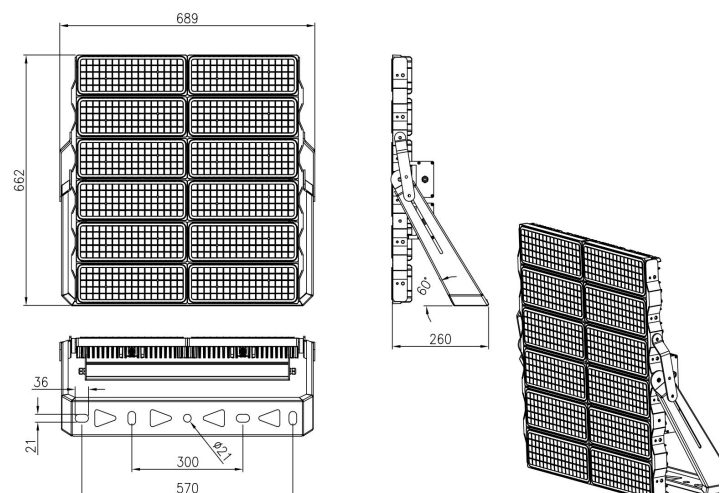
800W



1000W



1200W



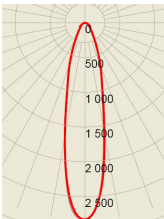
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Seite 4

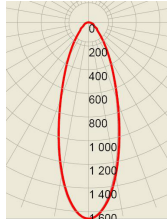
Photometrics

D2



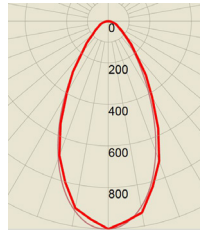
20°x20°
Very-Narrow beam

D3



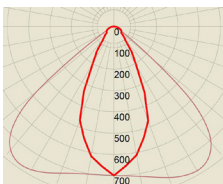
30°x30°
Narrow beam

D6



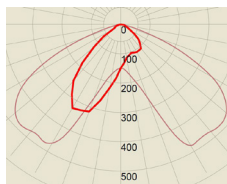
60°x60°
Medium beam

T1



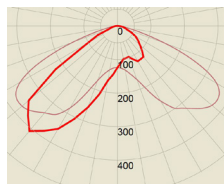
Type I
(30°x100°)

T2



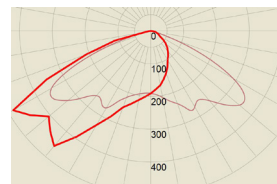
Type II
(50°x140°)

T3



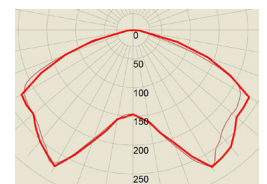
Type III
(40°x140°)

T4



Type IV
(30°x140°)

T5



Type V
(140°x140°)

Ordering Information

Product ID
MFL-PLUS

System Power

075 = 82W
100 = 110W
150 = 160W
200 = 220W
300 = 320W
400 = 440W
600 = 620W
800 = 880W
1000 = 1100W
1200 = 1280W

Color Temp

40K = 4000K
50K = 5000K
65K = 6500K

CRI

70 = Min 70
80 = Min 80

Optics

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°)

Control

ND = Non-Dimmable
VD = 0-10V Dimmable
DD = DALI Dimmable

Finish

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.