MFL – Modular Flood Light

ARK LIGHTING

Features & Benefits

- Quick fit optics customize the light beam to deliver optimum performance
- Plug & play
- Unique waterproofing concept – instant IP65 rating for the light engines
- Protective UV stabilised powder coated finish
- Compatible with multiple dimming protocols including 0–10v & DALI
- Optional built-in emergency

Application

MFL flood lights are ideal for;

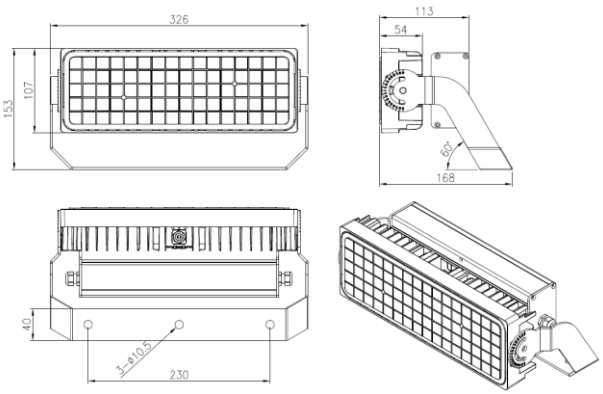
- Building facades
- Area lighting
- Signage & billboards
- Specialist Sport lighting
- Depots
- Heavy industrial & wet location

Product Family Name:	MFL Modular Floodlight Floodlight	Input Voltage:	100–305V
Product Family Code:	MFL>See options below<	Input Frequency:	50–60Hz
LED Brand:	LUMILEDS or OSRAM	Control Signal:	0–10v / DALI Optional
LED Colour Temp:	4000–5000–6500K		
CRI:	70 (80 available)	Chassis Material:	Die–Cast Aluminium
Light Source Replaceable:	YES	Chassis Colour:	Black
Power Supply:	Intergrated	Optical Cover/lens:	Polycarbonate
Optical Distribution:	Round: D2, D3, D6 Area: Type I, Type II, Type III, Type IV, Type V	Mechanical Accessories:	NA
Optical Cover/Lens:	Polycarbonate	Weight:	On request
Dimmable:	OPTIONAL	System Power:	30w to 1200w
Photocell:	OPTIONAL	Luminous flux:	4,080 to 208,000 Lm
Power Cable:	Bracket mounted junction box for power connection.	LED Luminaire efficacy:	123–166 Lm/W
IP Rating:	IP65	Power Factor:	>0.9
Mounting:	Stirrup Bracket	Working Temp:	–40° to +40°C
Aiming Angles:	0° to 180°	Lifetime:	>50,000hrs
UMSUG:	Available	Certification:	CE

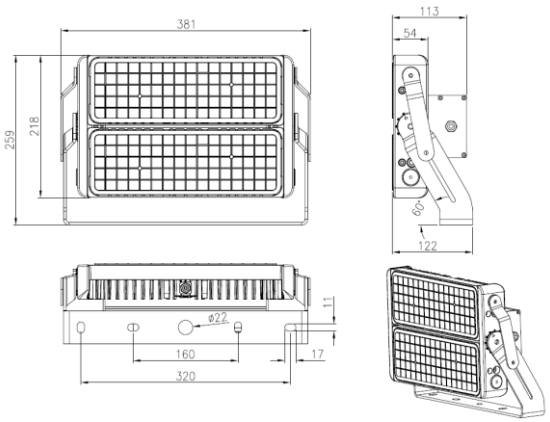
ARK LIGHTING

Dimensions – (*windage if mounted at 90°)

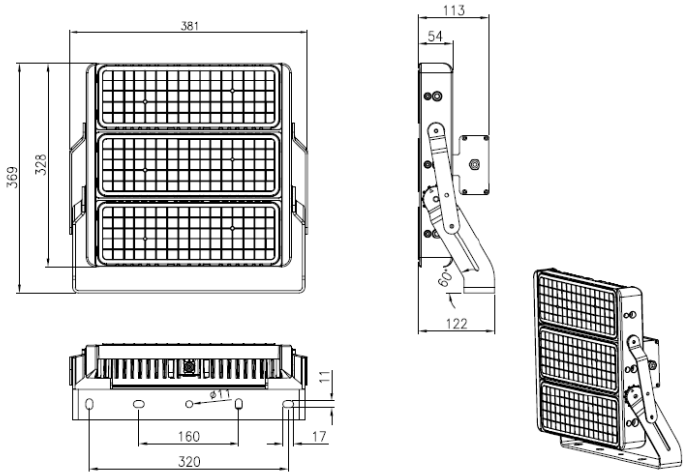
30 / 50 / 75 / 100 (*0.034m²)



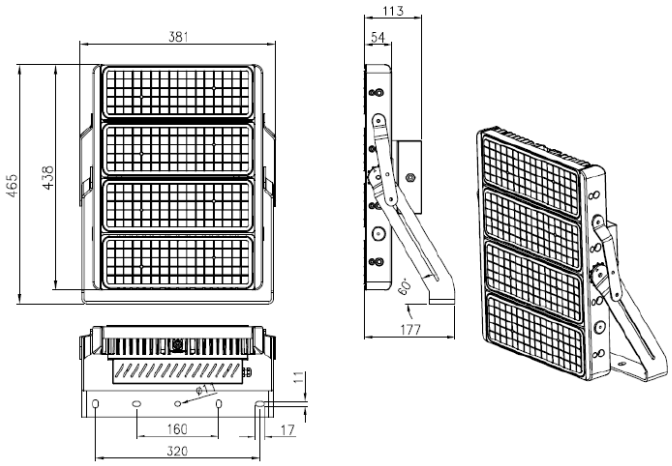
150 / 200 (*0.083m²)



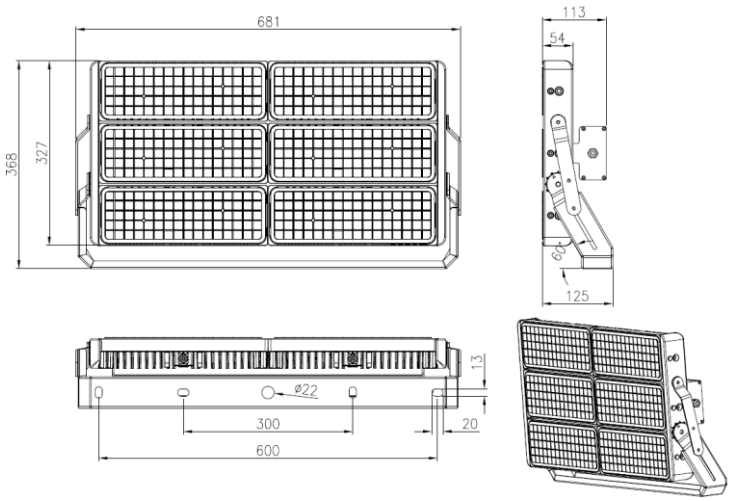
300 (*0.125m²)



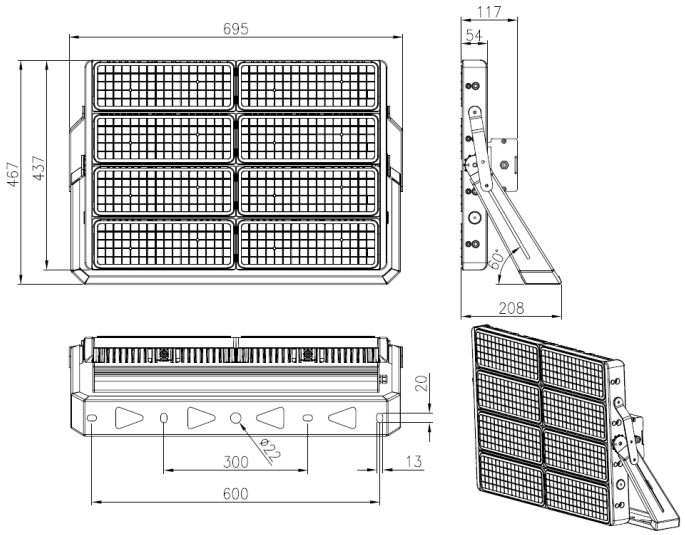
400 (*0.167m²)



600 (*0.223m²)

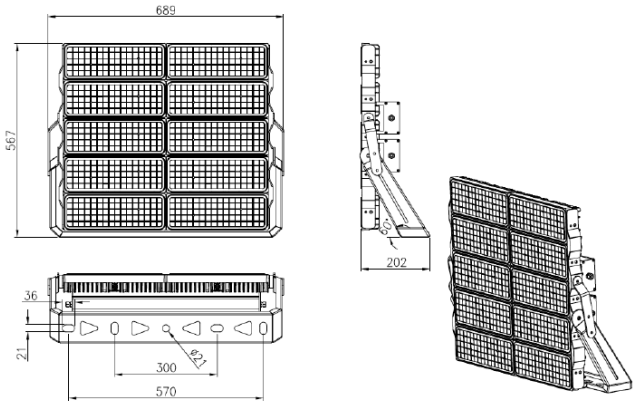


800 (*0.304m²)

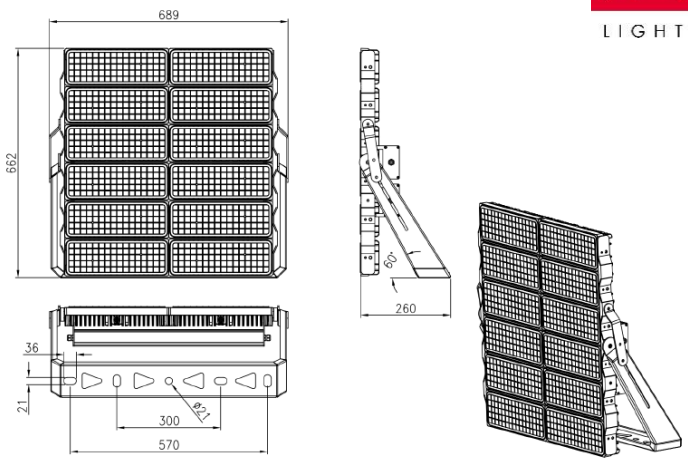


MFL HIGH MAST FLOODLIGHT

1000 (*0.39m²)

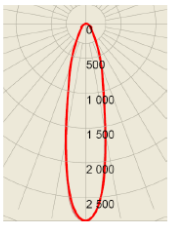


1200 (*0.456m²)



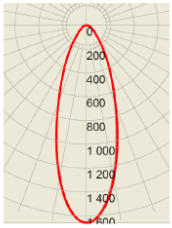
Photometrics

D2



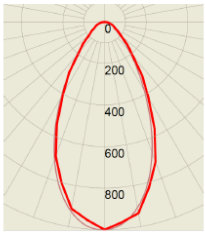
20°x20°
Very-Narrow beam

D3



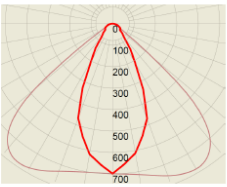
30°x30°
Narrow beam

D6



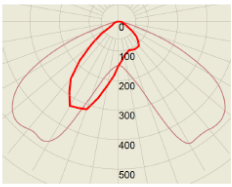
60°x60°
Medium beam

T1



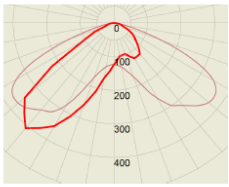
Type I
(30°x100°)

T2



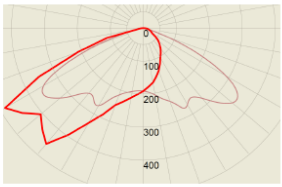
Type II
(50°x140°)

T3



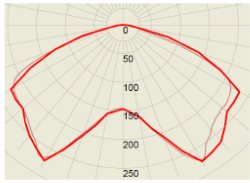
Type III
(40°x140°)

T4



Type IV
(30°x140°)

T5



Type V
(140°x140°)

Weights

Module QTY	Size(cm)	Net weight (kgs)
One module	40*28*20	4
Two module	47*35*20	6.8
Three module	47*45*20	8.8
Four module	58*46*20	11.8
Six module	76*45*20	15
Eight module	78*20*65	21
Ten module	95*25*78	30
Twelve module	78*84*20	35

Ordering Information

Product ID	System Power	Color Temp	CRI	Optics	Control	Finish
MFL-PLUS	**030** = 33W **050** = 55W **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.