PIOLED LIGHTING

5 YEAR WARRANTY

Modular Floodlight

120W

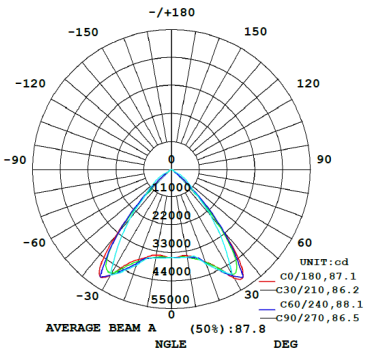
*External 10kV Surge Protectors are included with all our Modular Floodlights from July 2022 onwards.

Applications:
Residential and Commercial Applications.

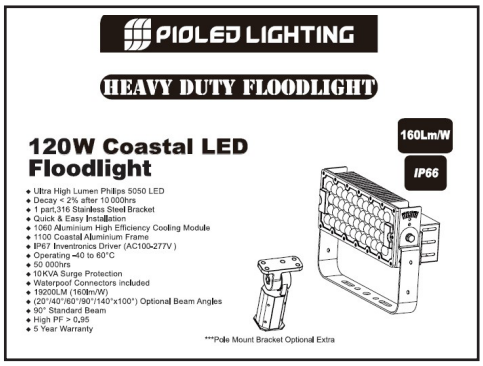
- Coastal Grade 1100 coastal powder coated aluminium frame with 1060 pure aluminium radiating modules and hollowed out rivets serving as a heat sink.
- 316 3-part stainless steel bracket designed to decrease installation time whilst preventing rust and corrosion.
- High Power Philips 5050 SMD Chips with an efficacy of 160lm/W.
- 20°/90°/140°x100° (asymmetrical beam angle) optics available. (Standard @ 90°).
- 270° rotatable bracket with each module being able to tilt independently reducing light spillage.
- Built in 10kV surge protection allowing for use within the most demanding environments.
- Resistant to UV rays with a wide operating temperature of -40°C to 50°C.

Product Performance	
Wattage	120W
Colour Temperature & Stock Code	5700K - **F028**
Operating Temperature	-20~40°C
Life Span/ LB Rating	L80B20>50000H
IP Rating	IP65
LED Driver Brand	Mean Well or Inventronics Driver
Beam Angle	90°
Impact Protection Grade	IK10
Input Voltage	AC180-277V
Surge Protection	10kV
Power Factor	0.95
CRI	>83
Lumen Output	19 200
Lumen Efficiency	160lm/W
LED Chips	Philips 5050
LED Chips Qty	46
Dimmable	Non-Dimmable
Dimmable Range	-
(Dali/Trailing/Leading)	-
Physical Characteristics	
Weight (kg)	2.9
Housing Material	Pure Aluminium
Product Dimensions (mm)	H 212 x L 310 x W 116
Cable Length	0.3
Mounting Option	-
Bracket Material	316 3-part Stainless Steel Bracket
Bolts and Screws	316 Stainless Steel

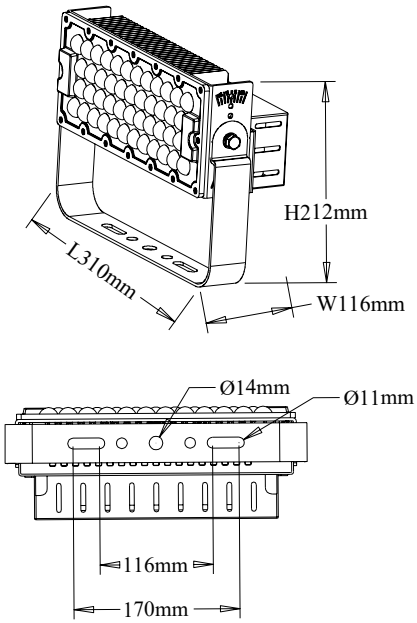
Luminous Intensity Distribution Diagram



Packaging



Dimension Drawing

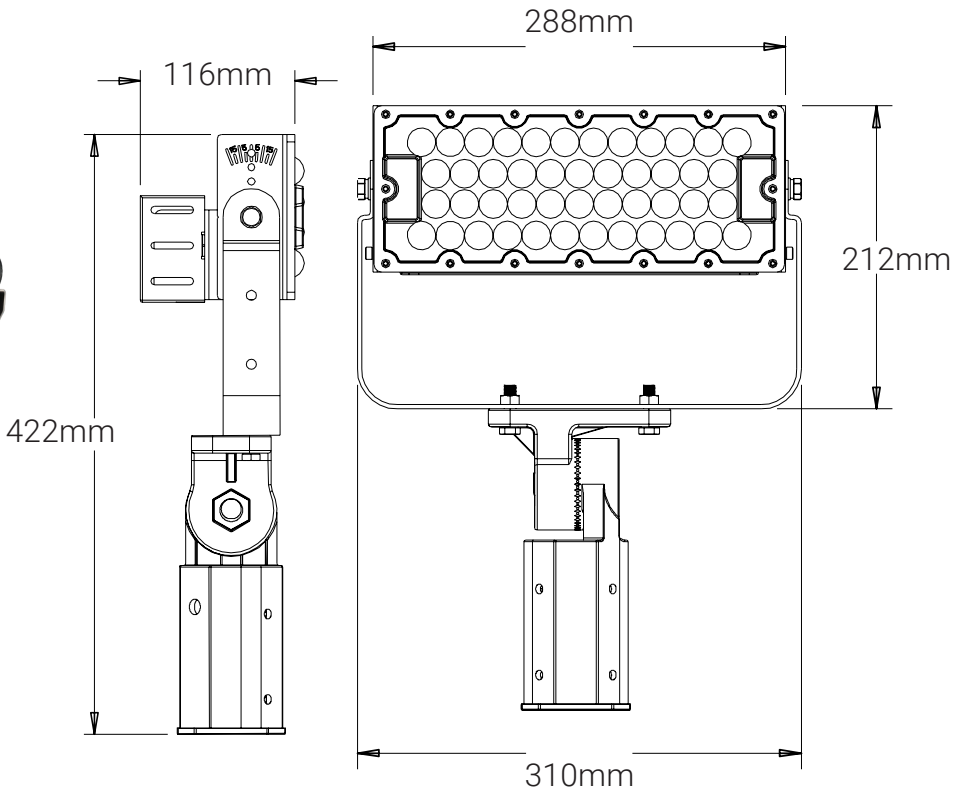


Technical Parameters	
Input Current	600mA
Output Voltage	48
Flicker Free (Y/N)	Yes
Humidity	40%~80%
Frequency	47-63hz
In Rush Current	65A MeanWell /147A Inventronics
Output Current	2.3A
THD	<20%
TA & TC	TA=-20 ~45 °C/TC=65°C
IES (Yes or No)	Yes
Regulatory Qualifications	
Class Rating	Class I
Energy Efficiency	A
Certification	CE, EMC, IEC60958, RoHS, ISO9001
Accessories	
Optional accessories	Pole mount bracket - F025D 20° lens x 1(F025 to 29) - F025A 140*100° lens x 1(F025 to 29) - F025B
Packaging info	
Storage Temp	-40~+60°C
Carton Size (mm)	365*171*273
QTY/CTN	1
Net Weight	3
Gross Weight	3.5

Modular Accessories

F025D - Pole Holder D84
Costal HD 20-240W
Aluminium and Stainless
Steel Bolts
211mm x 125mm x 75mm

120W **240W**



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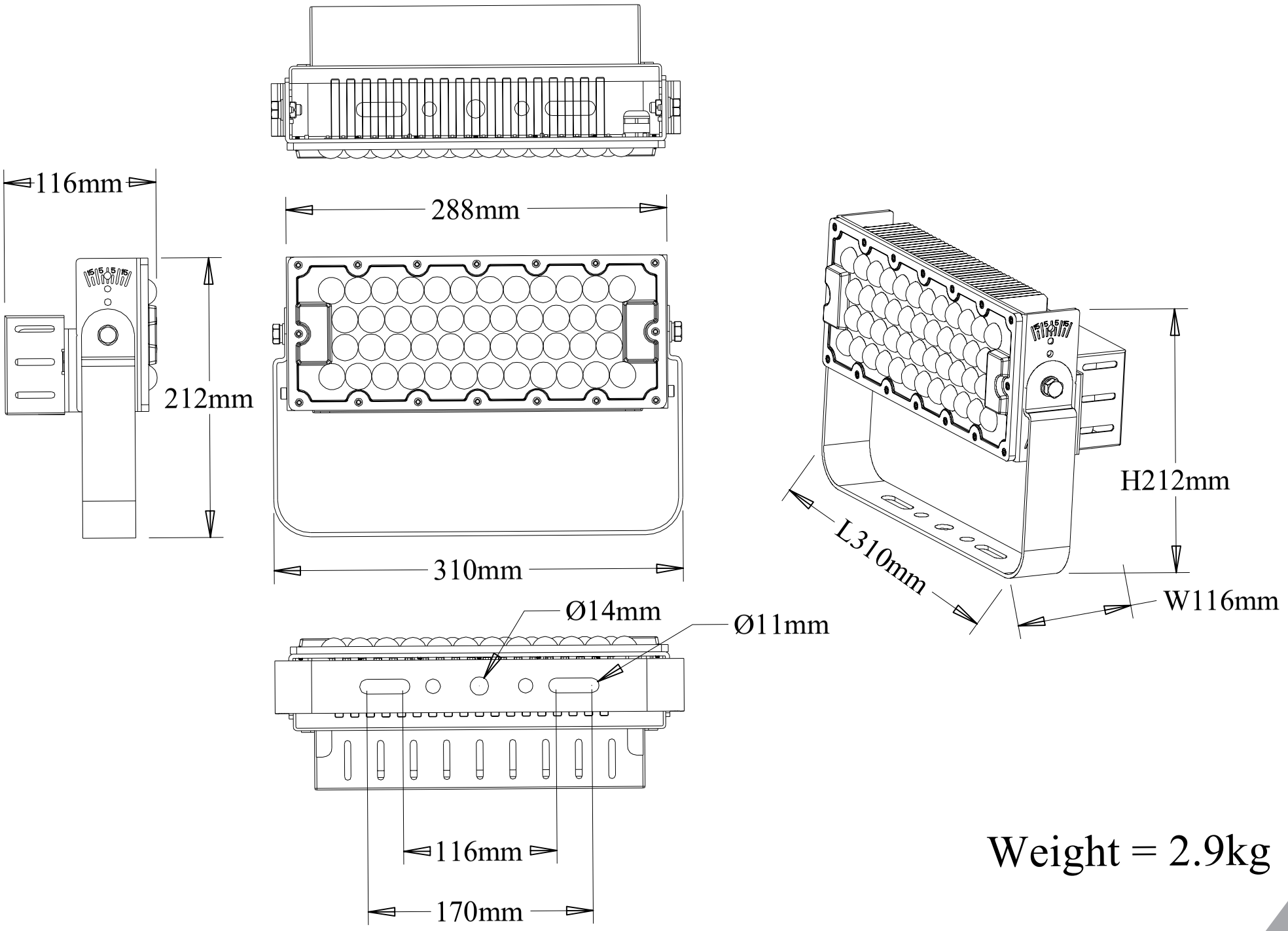

Weight = 2.9kg

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