



MESMERIZE™
LIGHTING

LED SOLAR FLOODLIGHT

HYDRA G2

50W | 6500K


Our Hydra G2 delivers a powerful & direct illumination with long lasting performance. Designed for versatility with power selectable technology.

PRODUCT DNA

 **6500K
COLOUR TEMP.**

 **75
CRI**

 **90°
BEAM ANGLE**

 **IP67
(WATER & DUST PROTECTION)**

 **25 000 hr
(LIFESPAN)**

 **-20°C ~ +45°C
TEMPREATURE.**



APPLICATION

- Warehouse Areas
- Security Areas
- Industrial Areas
- Residential Areas

WATTAGES

Available wattage options on request:

- 400W / 300W / 200W / 150W / 100W / 50W

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ELECTRICAL DNA

Nominal Wattage	50W
Nominal Voltage	N/A
Input Current	N/A
Main Frequency	N/A
Power Factor λ	N/A
Operating Temperature	N/A
Driver	N/A
THD	N/A
Protection Class	N/A
Dimmable	Yes, Dimming Motion Sensor
Battery Backup	Yes, LiFePO4 32700 6Ah
Surge Protection	N/A
Light Duration	12+ Hours (on full charge)
Motion Sensor	Yes - Time Control & Auto Dimming
Remote Controller	IR
Charging Temperature	0°C - +50 °C

PHOTOMETRICAL DNA

Effective Lumen	500lm \pm 10%
Luminous Efficacy	10 lm/W
Colour Temperature	6500K
Luminaire Light Colour	Cool White
Colour Rendering Index (RA)	RA \geq 75
Flicker	No
LED Chipset	SMD2835 Smalite
Beam Angle	90°

SOLAR PANEL DNA

Power Consumption	10W
Charging Duration	6-8 Hrs
Solar Panel Dimension	L270 * W205 * H15mm
Main Materials	Monocrystalline Silicon

HYDRA G2

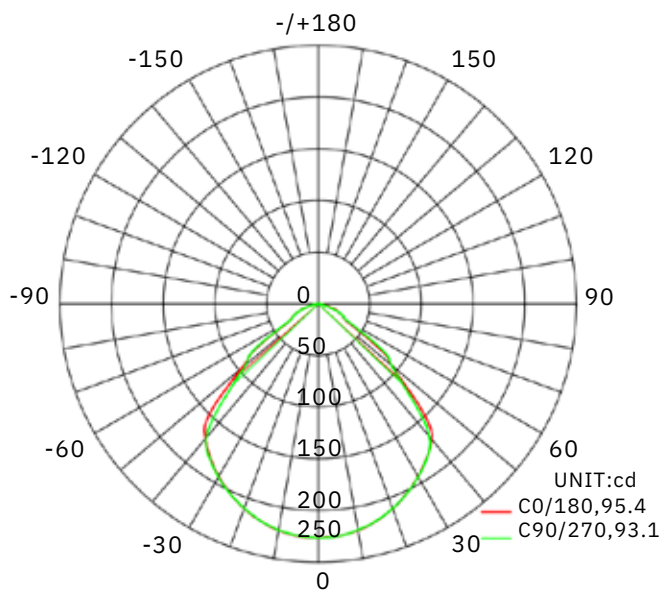
50W | 6500K

LUMINAIRE DNA

Mounting Type	Surface Mount
Mounting Location	Building facades / Poles or masts / Ground-mounted
Application Environment	Outdoor
Ingress Protection	IP67
Impact Rating	IK06
Warranty	2 Years
Lifespan	25 000 Hours
Certifications	IEC / LOA / CE / ROHS / EMC
Product Colour	Black housing
Main Material	ABS, Anti-UV
Cable Length	3M, 2*0.5mm ²
Vent Plug	Yes
Storage Temperature	-20°C ~ +45°C

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

A luminous intensity distribution diagram shows how a LED luminaire emits light in different directions, helping designers understand whether the beam is narrow, wide, direct, or diffuse. It is essentially a “map” of light intensity (measured in candelas) plotted against angles around the fixture.



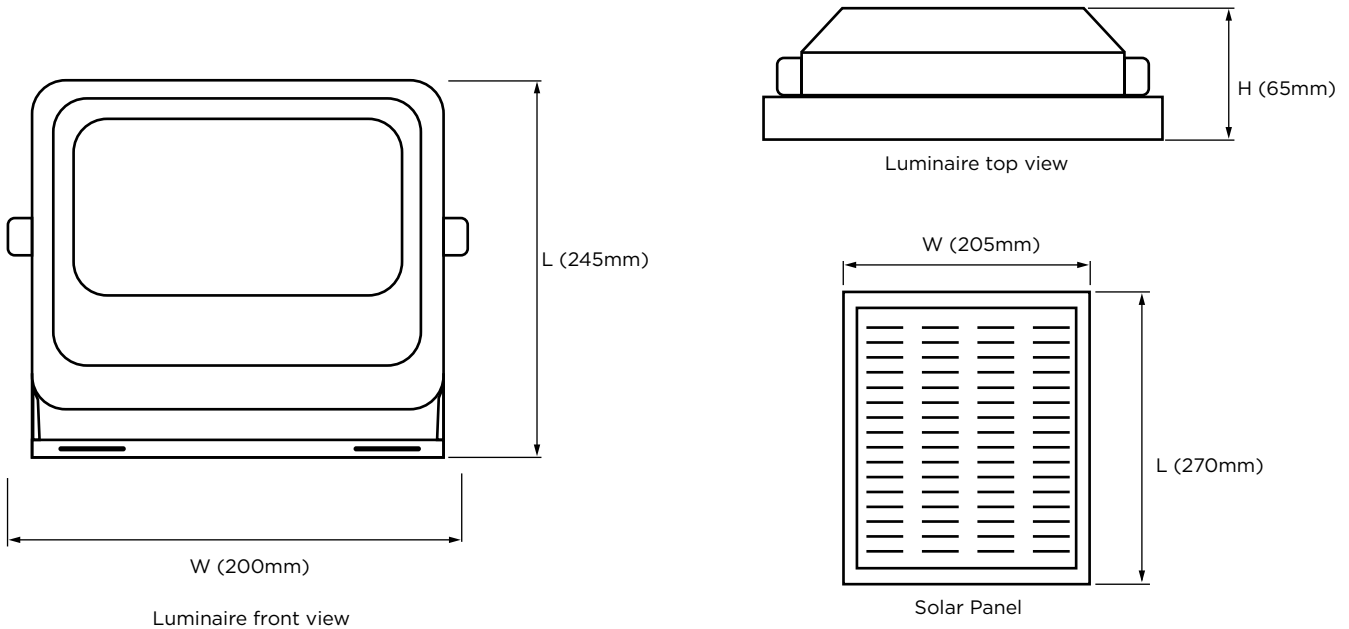
AVERAGE BEAM ANGLE(50%):94.3 DEG

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PRODUCT CODE DNA	PRODUCT DIMENSION	WEIGHT
ML-HYDG2-50W-65K-SEN	L245 * W200 * H65mm ±5mm	0.667 Kg

Technical drawing



PACKAGING DNA	PACKAGING QUANTITY	PACKAGING DIMENSION	GROSS WEIGHT
ML-HYDG2-50W-65K-SEN	10 Per Carton	535mm * 485mm * 320mm	20 Kg

Packaging Showcase



Product Showcase

Remote Control Functions :

- Power Control
- Brightness Adjustment
- Dimming Sensor
- Control Sleep/Wake
- Control Time Control



Specifications and product details are provided as a guide and may be updated without notice. Performance depends on proper installation and local conditions. Products are designed to meet relevant standards, and warranty applies to defects in materials and workmanship under normal use.