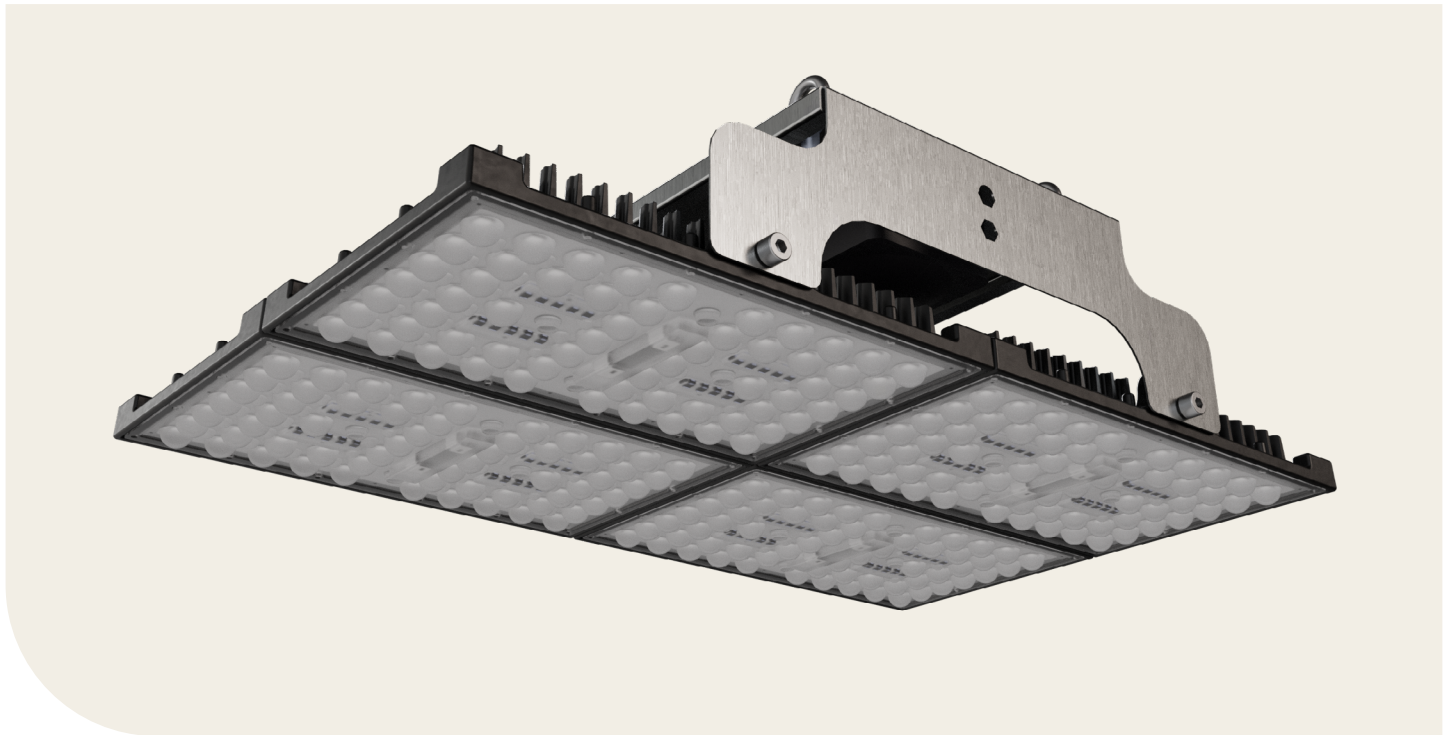


Hygrow | HY450D

Improving crop health & reducing energy consumption, the Hygrow range are die-cast luminaires that are engineered with precision and durability. Offering unparalleled performance and versatility for indoor plant cultivation. With a unique design that ensures even light distribution, with adjustable spectral blends that cater to your plants' specific needs.



Features

- Optimal light output angle
- Directly replaces 600W SON T Agro & MH lamps
- Dimming as standard
- Daylight linking system
- Easily replaceable drivers
- IP66 water proof design
- Life span expected 75,000 hours +
- Robust design, easy to maintain
- Customisable & crop specific spectra available
- Asymmetric lens available for even plant bed distribution

Applications

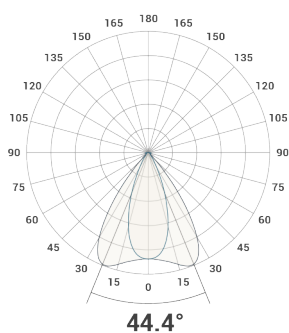


Horticultural

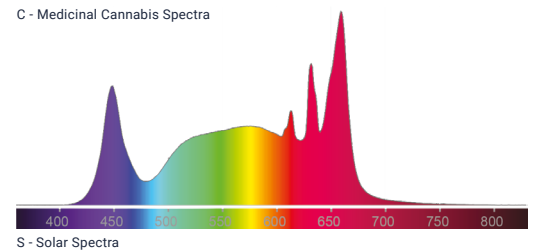
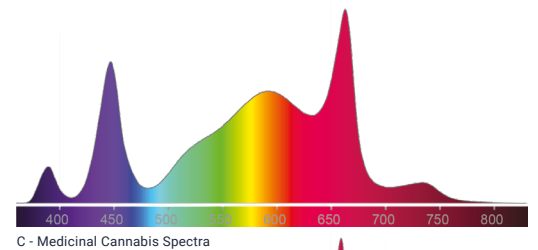
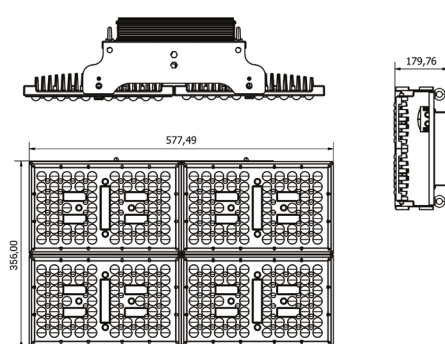
Options and Accessories

- SUS 2m Suspension Cord Kit
- BKT Unistrut Hook Bracket
- AD 0-10V Dimming
- DD SwitchDIM/DALI
- PD PWM Dimming
- C Medicinal Cannabis Spectra
- S Solar Spectra
- LD Flying Lead Or Weiland RST2013S

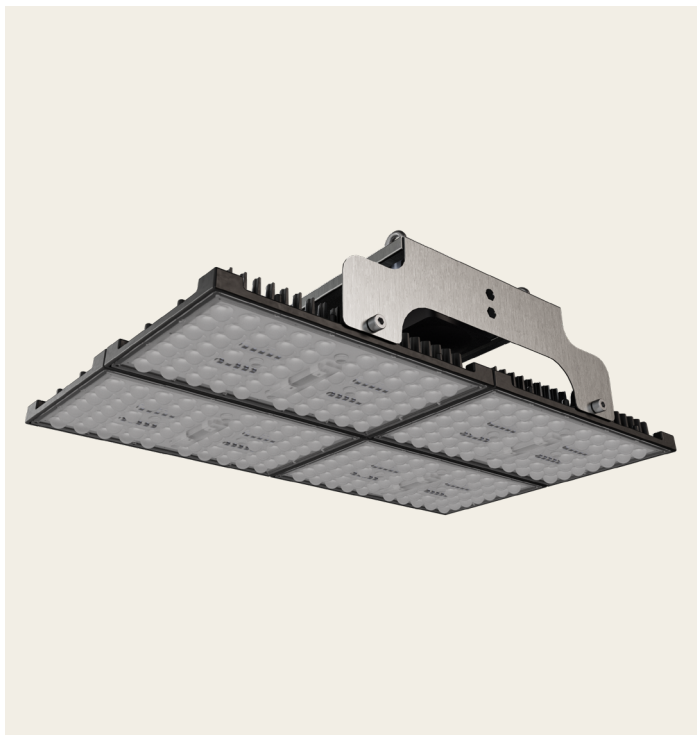
Photometric



Dimensions



Hygrow | HY450D



Technical Details

Specification	HY450D
Light Output PPF (μmol/s)	1098.0
Calculated Efficiency (μmol/J)	2.44
PPFD (μmol/m²/s)	1522.5
Colour Rendering Index	90+
Light Output Depreciation	75,000 hrs L90 B10
Power Input	450W
Voltage Range	100-240V AC Optional - 249-528V AC
Frequency Input Range	50-60 Hz
System Weight Complete	12.6KG
Ingress Protection	IP66
Cooling Method	Passive
Operating Temperature	-5°C – 40°C

Additional Information

Body Material	Diffuser Material	Housing Colour	Mounting Type	CCT Offering	CRI	SDCM	UGR Rating	Dimmable	Dimming Method
Aluminium	Polycarbonate	Stainless & anodised aluminium	Suspended	Spectra	90+	Spectra Dependant	N/A	Available	SwitchDIM/DALI

IP Rating	IK Rating	Operating Temperature (°C)	L/B value ^{*A}	Terminal Information	Warranty	Weight (kg)
IP66	IK10+	-5°C – 40°C	L90b10 50k L80b10 70k	3 way IP68 circular plug and socket	5 Year warranty 1 year parts and Labour Inclusive	12.6

*A: L/B value based on T_a25°C operating temperature, standard operation of luminaire within stated parameters. For specific detail please contact info@powerlitefitz.co.uk

Please contact info@powerlitefitz.co.uk for the Inrush current (A) & No.Per 10A breaker.