Telos™

DATASHEET | 6 MESH

Mesh Control

An intergrated and precise control solution. Wirelessly adjust the power output and apply timing schedules to different groups of units.

Product Lifespan

With an L80 of 85,000 hours, performance is guaranteed for up to ten years of continuous use.

Wide Angle Light Spread

The secondary optics designed by our in house experts provide a 87.6 degrees beam angle which distributes a highly uniform coverage of light.

Upgradeable Modular Design

The entire unit has been designed to enable the LED boards to be upgraded as technology advances.

Highly Waterproof

This product has been tested to withstand high pressure jets, as well as being ingress protected from dust and other particles.

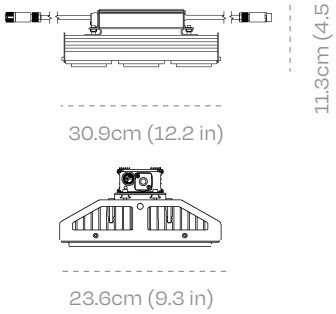
TELOS™ 6 MESH

Telos mesh is a secure, precise and wireless control solution that will revolutionise the way that growers control their Telos LED's. Now featuring a slimmer, lightweight design and high output Osram and Samsung LEDs. Suitable for top-down growing applications, commercial greenhouses, and harsh environments such as advanced medical facilities. The use of passive natural convection has eliminated the need for a fan, reducing noise output and significantly increasing the life span of the light as it contains no moving parts.

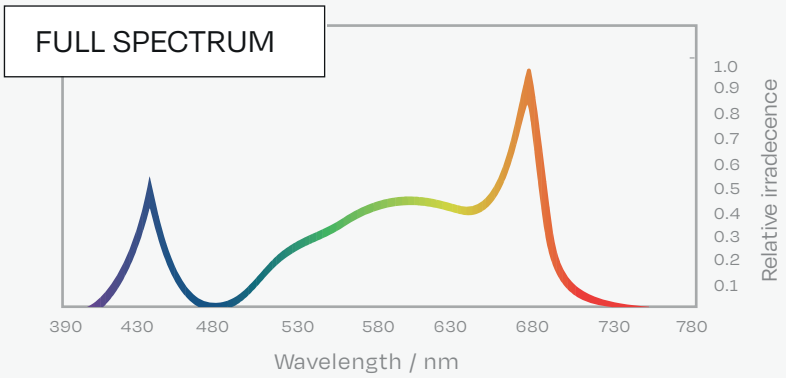
DATASHEET | TELOS 6 MESH

CE | RoHS 2002/95/EC | SELV | IP66 | III

DIMENSIONS



SPECTRUM



SPECIFICATION

LIGHT OUTPUT PPF (umoles)	430
CALCULATED EFFICACY (380 nm ~ 820 nm) (umoles/Joule)	2.43
TESTED AT (380 nm ~ 820 nm) (umoles/Joule)	2.42
COLOUR RENDERING INDEX (CRI)	86.9
LUMINAIRE COLOUR TEMPERATURE (KELVIN)	3160
BEAM ANGLE	87.6 degrees
LIGHT OUTPUT DEPRECIATION	85,000 L80

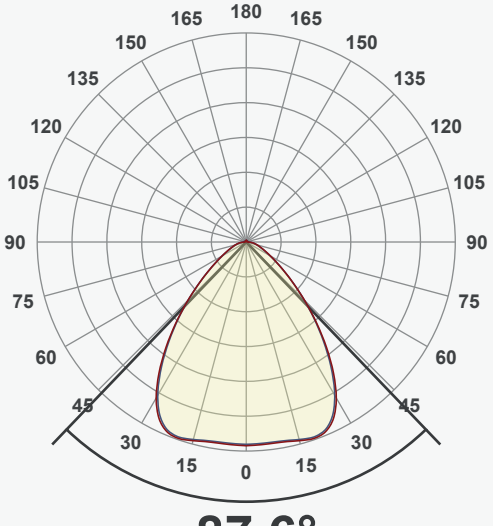
POWER INPUT	176.6W
POWER INPUT RANGE	17.5 ~ 180W (Mesh Control Driver)
VOLTAGE INPUT RANGE	90 ~ 305VAC (Autosensing)
FREQUENCY INPUT RANGE	47 ~ 63Hz
INPUT CURRENT	.76A / 230VAC
MAX NUMBER OF TELOS SYSTEMS LINKED (POWER)	10
POWER CABLES & CONNECTIONS	UK or EU plug to waterproof Weiland interface with Telos system (supplied as standard).

SYSTEM WEIGHT (LAMP AND DRIVER)	4.5kg
DIMENSIONS (L X W X H)	309mm, 236mm, 113mm
INGRESS PROTECTION	IP66
COOLING METHOD	Passive / Natural
NOMINAL OPERATING TEMPERATURE RANGE	0 - 40 °C

PHOTOBIOLOGICAL SAFETY	EN62471:2009 - Risk group: 1
CERTIFICATIONS	CE marked, RoHS compliance, EMC and EMI certified
WARRANTY	5 Years (limited). See the Telos warranty statement.
DATA TOLERANCE	+/- 5% on all flux and power measurements

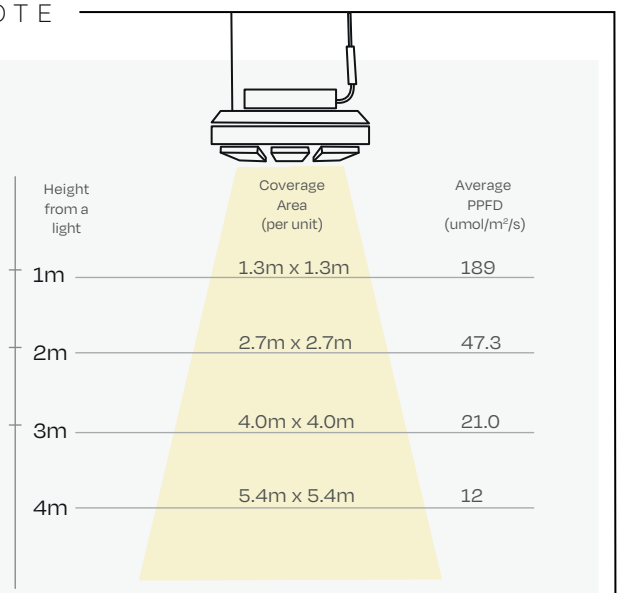
APPLICATION NOTE

LIGHT DISTRIBUTION



Beam angle **87.6°**

HANGING GUIDELINES



To build PPFD levels, multiple lights should be utilised and arranged in a layered set up. Contact the Telos team for more information.

TELOS

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MADE IN BRITAIN