

TelosTM

DATASHEET | 6 PRO

MARKET- LEADING PRODUCT LIFESPAN

Capable of providing
100% light for up to
85,000 hours
continuous use
(almost 10 years).

UPGRADABLE MODULAR DESIGN

The entire unit has been
designed to enable the LED
boards to be upgraded as
technology changes. The
Pro version incorporates the
latest generation of OSRAM
LEDs.



WIDE ANGLE LIGHT SPREAD

The optics designed by
our in house experts give
a 87.6 degrees beam
angle and provide an
even distribution of light.

HIGHLY WATERPROOF

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

SAFETY

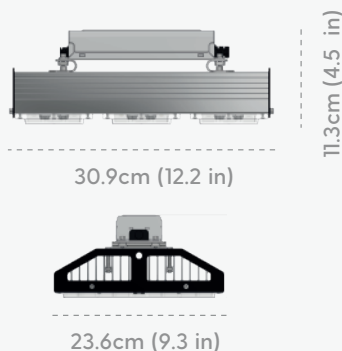
Giving you piece
of mind - Certified
with an Extra Safe
Low Voltage.

TELOSTM 6 PRO

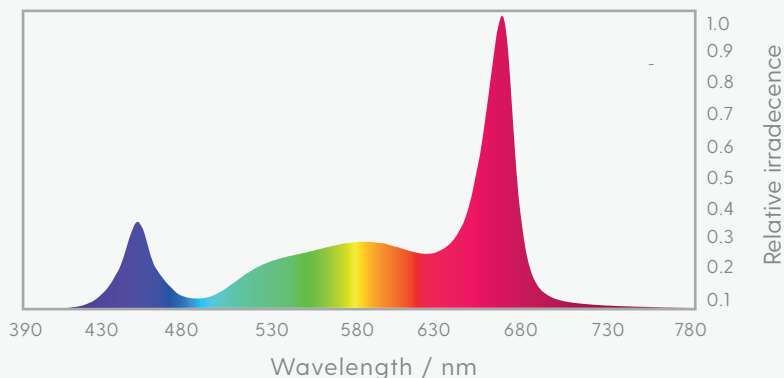
The latest version of a tried and tested, modern and efficient LED luminaire. Now featuring even higher output OSRAM LEDs. Suitable for top-down growing applications, commercial greenhouses, and harsh environments such as advanced medical facilities. The use of passive natural convection has eliminated the need for a fan, reducing noise output and significantly increasing the life span of the light as it contains no moving parts. Lights are provided with an easy-to-use versatile hanging system.

The Telos ethos is to design and manufacture the most efficient, reliable and robust grow lights available on the market.

DIMENSIONS



SPECTRUM



SPECIFICATION

LIGHT OUTPUT PPF (umoles)	420
CALCULATED EFFICACY (380 nm ~ 820 nm) (umoles/Joule)	2.4
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 L90

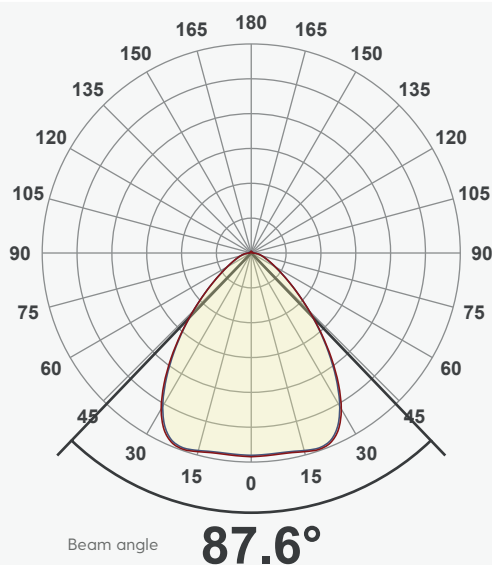
POWER INPUT	175W
POWER INPUT RANGE	17.5 ~ 215W (Dimmable driver)
VOLTAGE INPUT RANGE	90 ~ 305VAC (Autosensing)
FREQUENCY INPUT RANGE	47 ~ 63Hz
INPUT CURRENT	1.25A / 230VAC
MAX NUMBER OF TELOS SYSTEMS LINKED (POWER)	10
POWER CABLES & CONNECTIONS	UK or EU plug to waterproof Weiland interface with Telos system (supplied as standard).

SYSTEM WEIGHT (LAMP AND DRIVER)	4kg
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	3 Years (limited). See the Telos warranty statement.
DATA TOLERANCE	+/- 5% on all flux and power measurements

APPLICATION NOTE

LIGHT DISTRIBUTION



HANGING GUIDELINES

Height from a light	Coverage Area (per unit)	Average PPFD (umol/m²/s)
1m	1.3m x 1.3m	189
2m	2.7m x 2.7m	47.3
3m	4.0m x 4.0m	21.0
4m	5.4m x 5.4m	12

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