

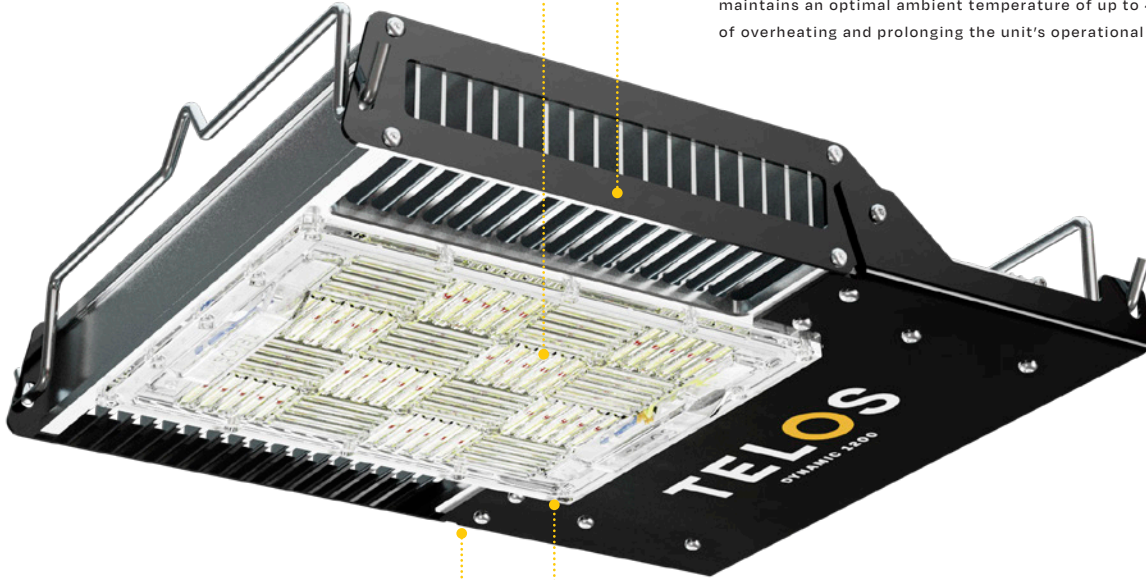
## GROUNDBREAKING OPTICAL PERFORMANCE

The Dynamic 1200 features Telos' proprietary batwing optical technology, ensuring uniform light distribution across the canopy. This reduces hotspots and prevents photobleaching, a common issue in the horticultural industry. Operating at 400W with a PPF output of 1200  $\mu\text{mol/s}$ , it provides industry-leading efficiency and uniformity.

## ENGINEERED FOR DURABILITY AND LONGEVITY

Built to withstand the demanding conditions of professional grow environments. Its IP66-rated housing provides industry-leading protection against water and dust ingress, ensuring uninterrupted performance even in high-humidity environments.

A custom-engineered CNC-machined aluminium heatsink provides passive cooling, efficiently dissipating heat away from the unit. This design maintains an optimal ambient temperature of up to 40°C, reducing the risk of overheating and prolonging the unit's operational lifespan.



## ADVANCED CONTROL AND POWER MANAGEMENT

The Telos Dynamic 1200 integrates seamlessly with Growcast, allowing digital light control via the Telos Mesh app. Growers can adjust the light's intensity between 10% and 100%. When used with the Telos Dimming Link, up to 24 fixtures can be synchronised and controlled simultaneously.

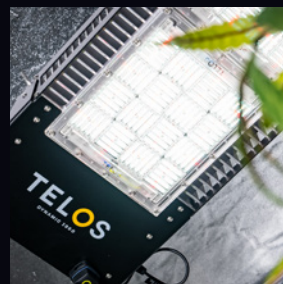
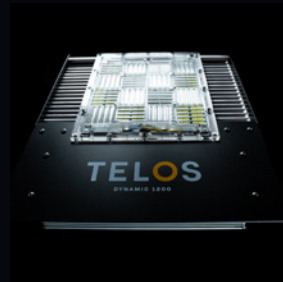
## RELIABLE AND FUTURE-PROOFED TECHNOLOGY

Built to the highest standards, meeting all British and European electrical and photobiology safety requirements.

With its cutting-edge optical design, exceptional efficiency, and intelligent control system, the Telos Dynamic 1200 is the ultimate choice for growers seeking high-performance lighting solutions for medium-sized grow spaces.

## THE TELOS DYNAMIC 1200

The Telos Dynamic 1200 Grow Light is engineered for maximum efficiency and versatility. This medium-sized unit delivers a PPF output of 1200  $\mu\text{mol/s}$  and an efficiency of 3.0  $\mu\text{mol/J}$  at full power. Designed for grow spaces of 1 m<sup>2</sup> or larger, it provides superior uniformity, reliability, and control.



# DYNAMIC 1200 TECH SPECS

## ELECTRICAL PARAMETERS - SINGLE PHASE INPUT

Input Voltage	120~305Vac / 160~360 Vdc
Input Frequency	47-63Hz
Power Consumption	400W
Power Factor	>0.95
Current Draw	120VAC: 3.33A / 220VAC: 1.82A
Inrush Current	TBC
Dimming On Range	10 - 100%
Dimming To Off	Yes
Dimming Input Signal	0 - 10V
Three Phase 400V versions available on request	

## PHOTOMETRIC PARAMETERS

PPF Output (@ Full power)	1200 $\mu\text{mol/s}$
PPF Efficiency (@ Full power)	3.0 $\mu\text{mol/J}$
Radiometric Output	272W
Radiometric Efficiency	68%
Beam Angle	Telos Bat Wing Distribution

## THERMAL & MECHANICAL PARAMETERS

Dimensions	L 342 x W 308 x H 63 mm
Weight	4.79 kg
Ingress Protection	IP66
Ambient Operating Temperature	0-35C
BTUs	1365 BTU/hr

## CERTIFICATION & SAFETY

Electrical Safety Class	Class 1
Photobiology Safety Class	Class 1
Approvals	CE, UKCA

## DAISY CHAINING

10A Plug	120VAC: 2 Lights / 220VAC: 5 Lights
13A Plug	120VAC: 3 Lights / 220VAC: 6 Lights
16A MCB	120VAC: 4 Lights / 220VAC: 7 Lights
24A MCB	120VAC: 6 Lights / 220VAC: 11 Lights
32A MCB	120VAC: 8 Lights / 220VAC: 14 Lights

## DIMMING CONTROL

Growcast Dimming	24 Lights
Resistive Dimming	1 Lights

## ACCESSORIES

Growcast Controller	A next generation wireless mesh controller for digitally setting the PPF output and scheduling the on/off cycles.
Resistive Dimmer	A potentiometer dimming dial for adjusting the lights output as a percentage.
AC link Cable (2 m)	A power link cable for daisy chain the power to one additional light per cable (Requires AC T-connector).
AC T-Connector	A distribution block for daisy chaining the power to one additional light per connector (Requires AC link cable).
Dimming Link Cable (2 m)	A dimming link cable for daisy chain dimming control to one additional light per cable (Requires Dimming T-connector).
Dimming T-Connector	A dimming distribution block for daisy chaining the dimming control to one additional light per connector (Requires Dimming link cable).
Unistrut Bracket	A steel hanging bracket designed to hang one fixture directly to a unistrut C profile.

988	991	981	966	962	958	945	963	978	989
978	990	999	994	994	988	1000	1005	996	983
973	1012	1033	1031	1030	1029	1036	1037	1013	981
960	1014	1037	1033	1031	1035	1037	1038	1011	970
968	1005	1032	1029	1027	1030	1033	1030	996	959
974	1011	1038	1034	1033	1033	1038	1035	1003	974
971	1011	1037	1036	1026	1028	1037	1039	1013	961
980	1007	1032	1033	1024	1029	1030	1035	1016	974
981	983	996	994	986	995	987	1001	1001	978
985	975	971	962	960	958	957	969	976	984

## TELOS DYNAMIC 1200 PPF D MAP

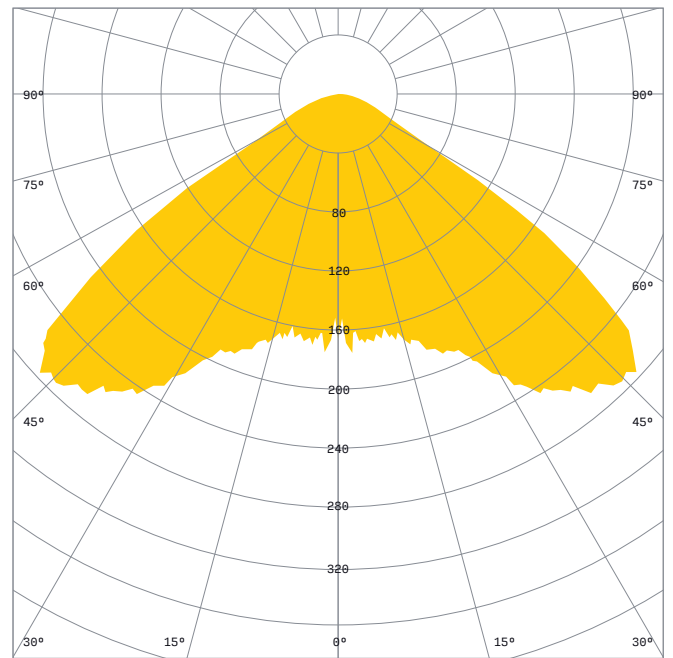
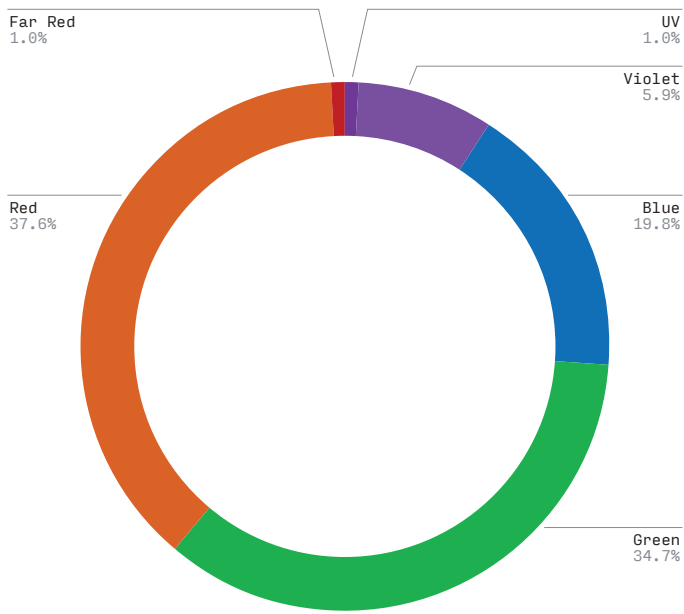
This is the light map for the Telos Dynamic 1200 light fixture. It shows the even distribution of light across the room.

The optimum hanging height is 55cm from the canopy. You can use this map to see how many fixtures you need for the area of your grow room. This grow room is 1.0m<sup>2</sup>, you can see for this area to get 1000  $\mu\text{mol}/\text{m}^2/\text{s}$  you would need one fixture running at 89%.

Tent Size	1.0m x 1.0m
Optimal Hanging Height	55cm
Uniformity (Min:Avg)	>90%
Uniformity (Min:Max)	>85%
Average PPF D	1004 $\mu\text{mol}/\text{m}^2/\text{s}$
Minimum PPF D	945 $\mu\text{mol}/\text{m}^2/\text{s}$
Maximum PPF D	1039 $\mu\text{mol}/\text{m}^2/\text{s}$

## GROW SETTINGS

	0-10V Percentage	Power Consumption (W)	Efficiency ( $\mu\text{mol}/\text{J}$ )
Propagation (200 $\mu\text{mol}/\text{m}^2/\text{s}$ )	17%	73.4	3.3
Vegetative (450 $\mu\text{mol}/\text{m}^2/\text{s}$ )	38%	165.0	3.3
Flower (1000 $\mu\text{mol}/\text{m}^2/\text{s}$ )	89%	399.0	3.0



## PWS1 POLAR WHITE SPECTRUM

The new PWS1 spectrum has been carefully developed to follow the latest scientific research with a higher blue & higher green concentration than the typical full spectrum offerings. It also uses the latest 430nm violet pump white LEDs which have been proven to increase yield and flavonoids, whilst sterilising the growing environment to protect against bacteria and mould.

UV	Blue	Green	Red	Far Red
300-399nm	400-499nm	500-599nm	600-699nm	700-800nm
<1%	21%	35%	43%	<1%

## WARRANTY

Telos Dynamic lights are sold with a 3-year warranty covering the electrical components (LED module and LED driver). This warranty can be extended to 5 years by registering the product directly with Telos. Should you need to use the warranty during this period, Telos aims to provide an easy-to-install replacement part, so the fixture does not need to be returned to Telos for refurbishment. In the case that the fixture requires a part fitted by a qualified professional, the fixture would need to be returned to a Telos service centre. Warranty issues can be handled directly with Telos regardless of where the product was purchased. In some cases, retail stores may assist customers in the warranty process but in most situations, warranty claims can be handled quicker by contacting Telos directly.

## TELOS BAT WING DISTRIBUTION

The LED module in the Dynamic series is precisely engineered to produce a Batwing light distribution. This is achieved through the use of a refractive optical lens, which directs the light at specific angles to ensure optimal coverage.

This innovative optical design delivers unprecedented PPF uniformity values, significantly reducing the traditional "hot spot" distribution common with many light fixtures. Telos' specialised Batwing distribution ensures best-in-class spectral mixing, maintaining consistent quality and quantity of light across the entire canopy.

Mechanical damage to the fixture's heat-sink, brackets & optics and general wear and tear of the product are not covered in the warranty. It is important to inspect the fixture immediately after receipt for any damage that has occurred during transit. If there is damage to the new fixture, you have 14 days from receipt to contact Telos if purchased directly. If you purchased the light from a third-party retailer, you would need to contact them to find about their after-sales and return policies.

Telos prides itself on delivering a high level of after-sales care and aims to handle any warranty issues that do arise in a prompt and fair manner.