# TELOS

DYNAMIC 1200 / 400W

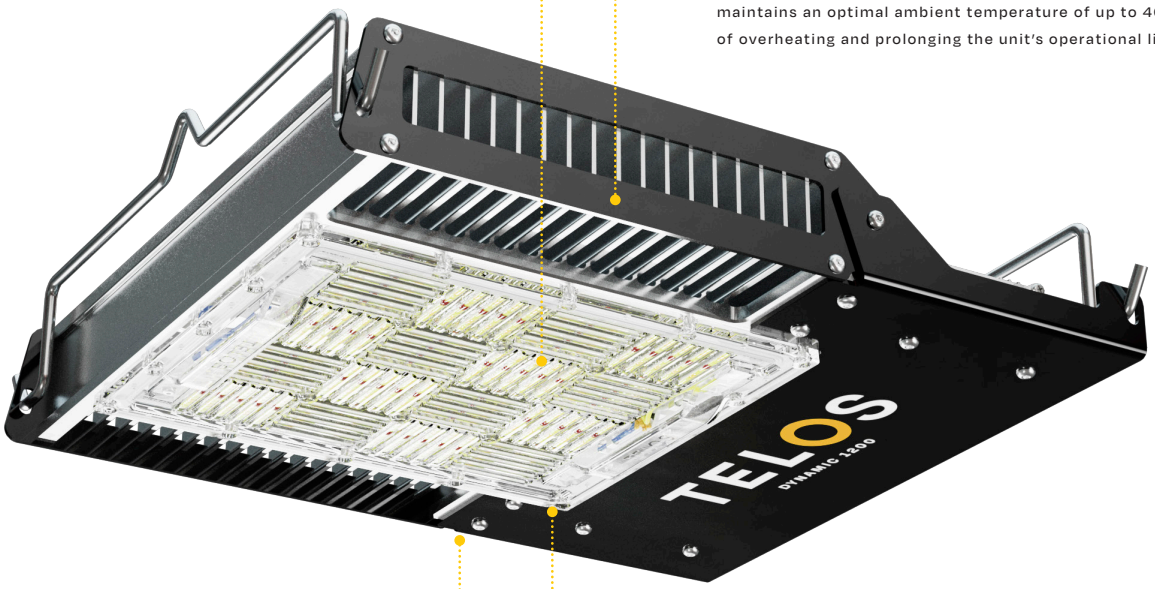
## GROUNDBREAKING OPTICAL PERFORMANCE

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 umol/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.

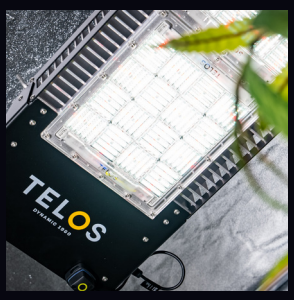
## RELIABLE AND FUTURE-PROOFED TECHNOLOGY

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 umol/s and an efficiency of 3.0 umol/J at full power. Designed for grow spaces of 1 m2 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 µmol/s |
| PPF Efficiency (@ Full power) | 3.0 µmol/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 PPFD MAP

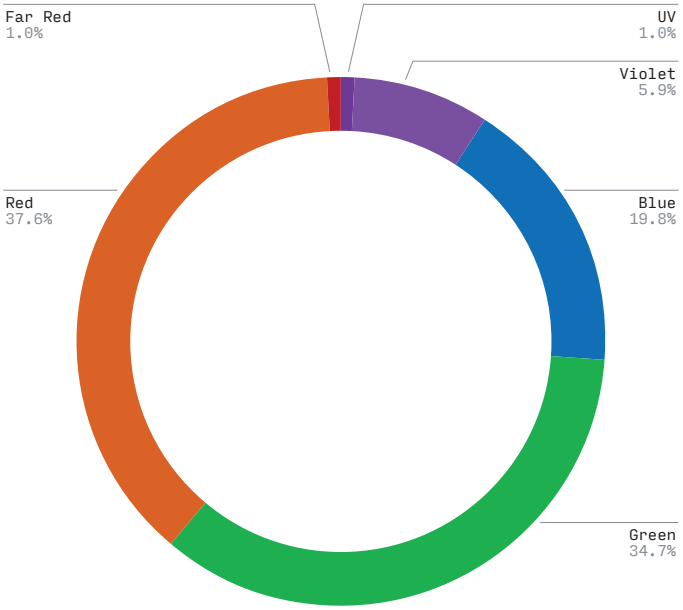
This Is the light map for the Telos Dynamic 1200 light fixture.
It shows the even distribution of light across the room.

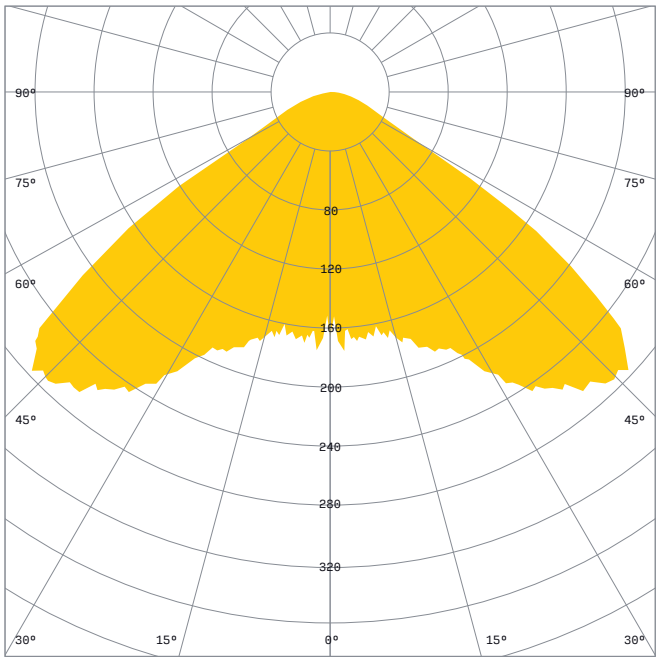
The optimum hanging height is 55cm from the canopy. You can use this map to see how many fixtures you need for the area of your grow room. This grow room is 1.0m², you can see for this area to get 1000 umol/m²/s you would need one fixture running at 89%.

| | |
|---|---|
| Tent Size | 1.0m x 1.0m |
| Optimal Hanging Height | 55cm |
| Uniformity (Min:Avg) | >90% |
| Uniformity (Min:Max) | >85% |
| Average PPFD | 1004 µmol/m²/s |
| Minimum PPFD | 945 µmol/m²/s |
| Maximum PPFD | 1039 µmol/m²/s |

## GROW SETTINGS

| | 0-10V Percentage | Power Consumption (W) | Efficiency (µmol/J) |
|---|---|---|---|
| Propagation (200 µmol/m²/s) | 17% | 73.4 | 3.3 |
| Vegetative (450 µmol/m²/s) | 38% | 165.0 | 3.3 |
| Flower (1000 µmol/m²/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% |

## 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 PPFD 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.

## 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.

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.

TELOS