TELOS

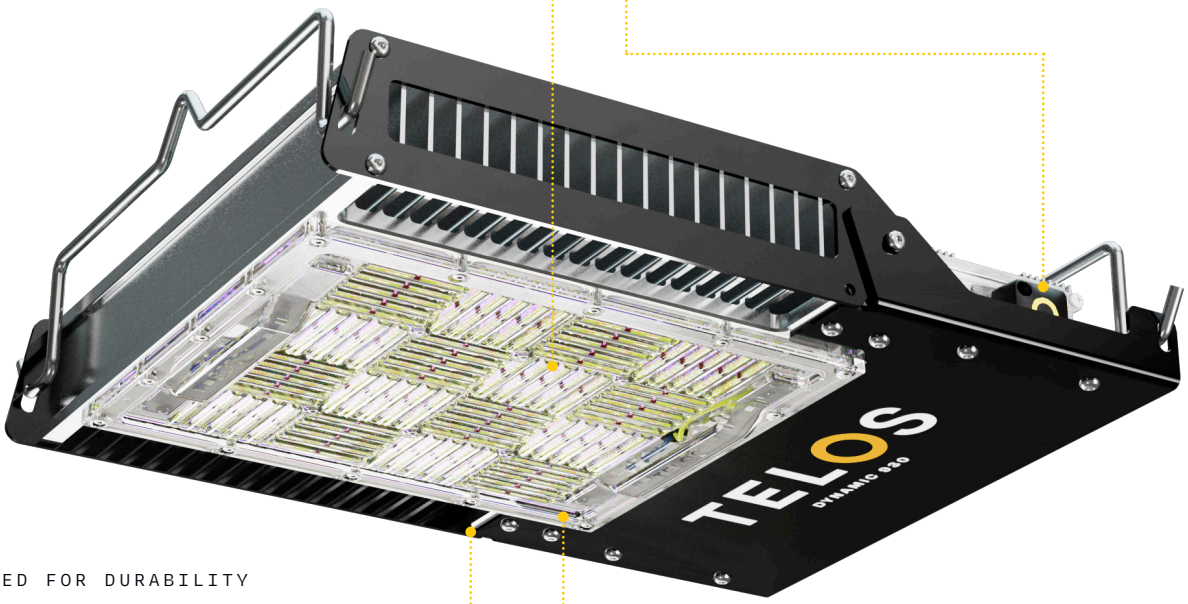
DYNAMIC 930 / 320W

PRECISION OPTICAL ENGINEERING

Telos' patent-pending batwing optical lens. This specialised optical lens design balances light output to ensure even PPFD distribution across the entire canopy while eliminating hotspots that cause photodamage. This technology redistributes photons emitted by the LEDs, ensuring a balanced and even spread if light, promoting consistent growth across all plant levels.

ADVANCED CONTROL AND CONNECTIVITY

A key feature unique to the Dynamic 930 is its built-in Growcast technology. This state-of-the-art technology provides seamless wireless control over light intensity (10–100%) and scheduling. Unlike larger Dynamic models, which require an external Growcast controller, the 930 integrates this functionality directly into the unit, affording growers professional-grade control without additional accessories.



ENGINEERED FOR DURABILITY AND PERFORMANCE

Designed to withstand challenging environmental conditions, including high humidity. All internal electronics are housed in IP66-rated, mechanically sealed enclosure, providing complete protection from water, dust, and environmental debris.

The fixture's CNC-machined 6063 anodised aluminium and stainless-steel housing provides superior durability while functioning as an advanced passive cooling system.

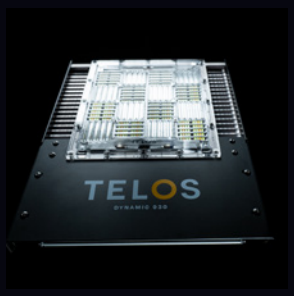
OPTIMISED LIGHT SPECTRUM FOR MAXIMUM YIELD

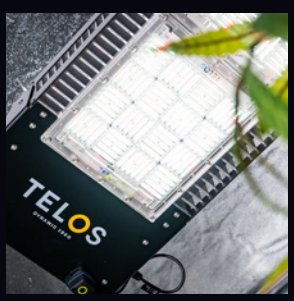
The Dynamic 930 uses Telos' proprietary PWS1 spectrum, developed from the latest research in medical and commercial horticulture. Unlike traditional grow lights that emphasise red-heavy spectrums, PWS1 delivers higher concentrations of blue and green light. These wavelengths penetrate deep into plant canopies, driving photosynthesis even in lower foliage. This balanced volumetric energy distribution enables growers to operate at much higher PPFD levels, without causing photobleaching or heat stress.

THE TELOS DYNAMIC 930

The smallest and lightest model from the new Dynamic range, the Telos Dynamic 930 provides consistent reliability, PPFD uniformity, and optimised plant growth.

Running at 320W, it delivers a PPF output of 930 umol/s with an efficiency of 2.9 umol/J, making it ideal for smaller grow spaces. A built-in Growcast controller enhances convenience, allowing for precise light control without additional accessories.





DYNAMIC 930 TECH SPECS

ELECTRICAL PARAMETERS - SINGLE PHASE INPUT

Input Voltage	90~305 Vac / 127~300 Vdc
Input Frequency	47-63Hz
Power Consumption	320W
Power Factor	0.99
Current Draw	120VAC: 2.75A / 220VAC: 1.5A
Inrush Current	1.09A2s
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)	930 µmol/s
PPF Efficiency (@ Full power)	2.9 µmol/J
Radiometric Output	214.5W
Radiometric Efficiency	65%
Beam Angle	Telos Bat Wing Distribution

THERMAL & MECHANICAL PARAMETERS

Dimensions	L 336 x W 268 x H 63 mm
Weight	4.43 kg
Ingress Protection	IP66
Ambient Operating Temperature	0-35C
BTUs	1130 BTU/hr

CERTIFICATION & SAFETY

Electrical Safety Class	Class 3
Photobiology Safety Class	Class 1
Approvals	CE, UKCA

DAISY CHAINING

10A Plug	120VAC: 3 Lights / 220VAC: 7 Lights
13A Plug	120VAC: 4 Lights / 220VAC: 7 Lights
16A MCB	120VAC: 5 Lights / 220VAC: 9 Lights
24A MCB	120VAC: 7 Lights / 220VAC: 14 Lights
32A MCB	120VAC: 10 Lights / 220VAC: 18 Lights

DIMMING CONTROL

Growcast Dimming	24 Lights
Resistive Dimming	1 Lights

ACCESSORIES

Growcast Controller	**Built in:** 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.

1187	1197	1187	1168	1161	1170	1153	1172	1182	1192
1169	1187	1206	1205	1187	1181	1208	1211	1195	1182
1170	1223	1252	1249	1242	1243	1257	1255	1220	1187
1159	1230	1258	1243	1242	1249	1256	1258	1217	1181
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1172	1211	1247	1244	1243	1244	1249	1249	1209	1170
1175	1214	1256	1256	1242	1240	1249	1250	1209	1172
1186	1219	1253	1253	1238	1242	1249	1248	1214	1185
1185	1196	1209	1201	1179	1190	1199	1205	1191	1186
1192	1173	1175	1167	1159	1162	1164	1179	1183	1188

TELOS DYNAMIC 930 PPFD MAP

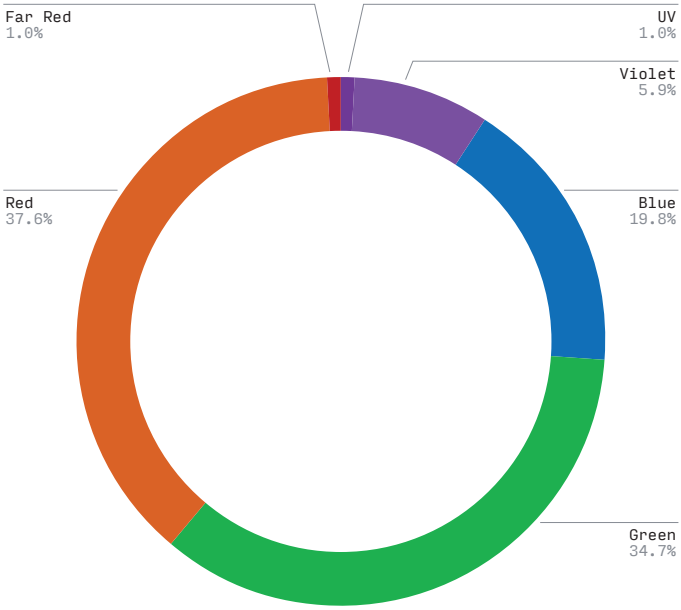
This Is the light map for the Telos Dynamic 930 light fixture. It shows the even distribution of light across the room.

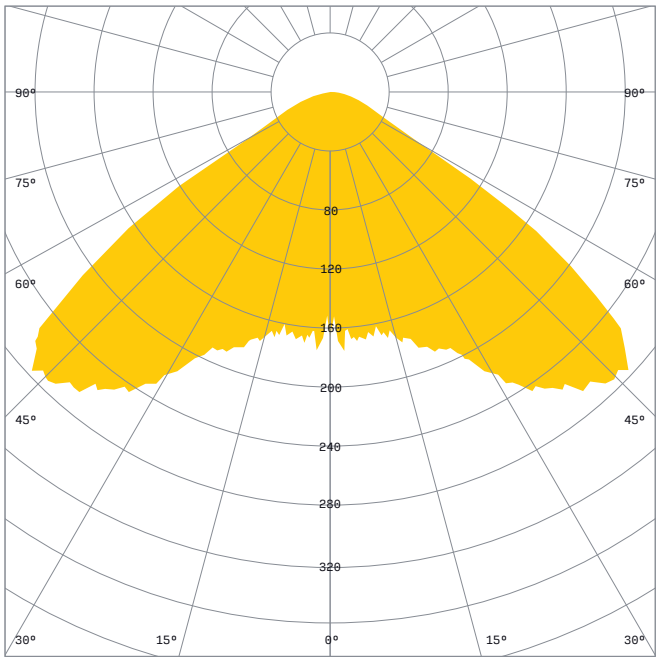
The optimum hanging height is 50cm from the canopy. You can use this map to see how many fixtures you need for the area of your grow room. This grow room is 0.64m², you can see for this area to get 1000 umol/m²/s you would need one fixture running at 73%.

Tent size	0.8m x 0.8m
Optimal Hanging Height	50cm
Uniformity (Min:Avg)	>90%
Uniformity (Min:Max)	>85%
Average PPFD	1211 µmol/m²/s
Minimum PPFD	1153 µmol/m²/s
Maximum PPFD	1258 µmol/m²/s

GROW SETTINGS

	0-10V Percentage	Power Consumption (W)	Efficiency (µmol/J)
Propagation (200 µmol/m²/s)	14%	48.6	3.2
Vegetative (450 µmol/m²/s)	32%	109.3	3.2
Flower (1000 µmol/m²/s)	73%	253.3	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

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