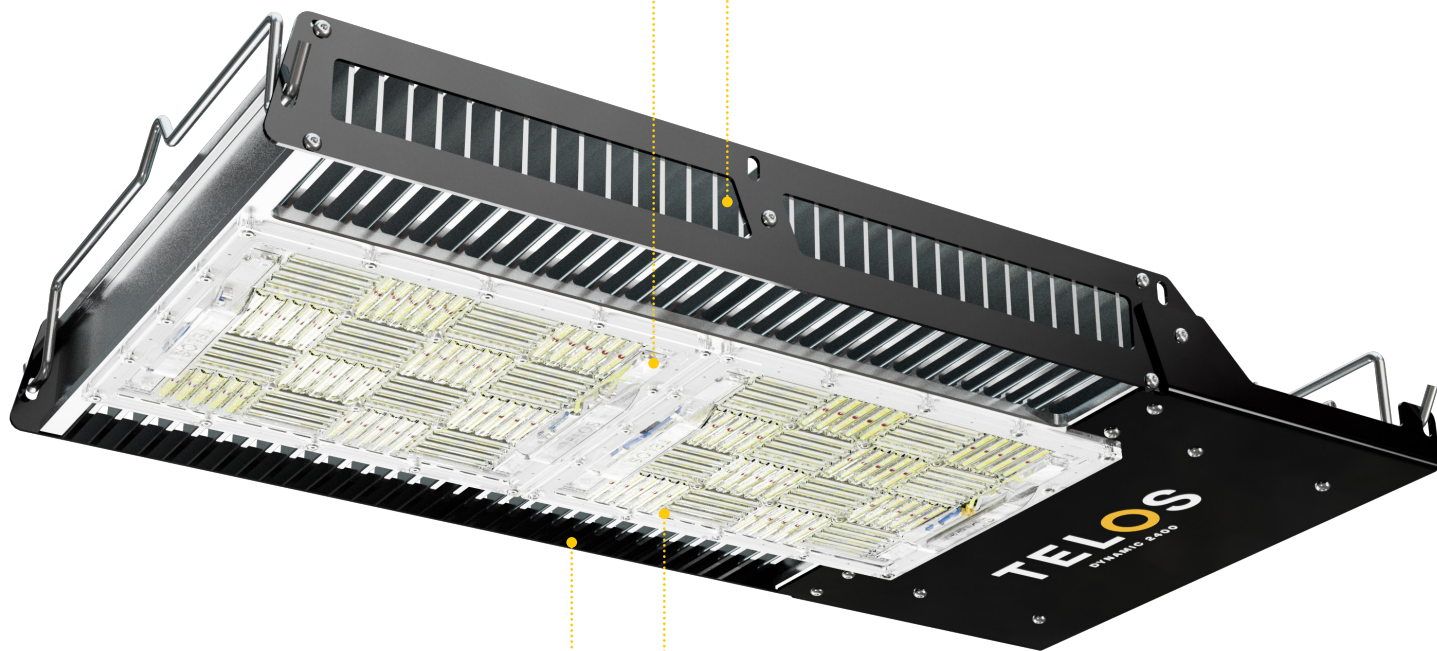


NEXT-GENERATION OPTICAL TECHNOLOGY

Unlike conventional full-spectrum lighting, which often overemphasises red wavelengths, the PWS1 spectrum optimises the balance of blue, green, and red light. This precise spectrum enhances plant morphology improves light penetration up to 1 m and prevents photobleaching or heat stress at high PPFD levels.

PRECISION-ENGINEERED DURABILITY

Mechanical gasket seals create the IP66 water and dust enclosure protecting the LED array. CNC machined 6063 Aluminium and Stainless steel parts lock together to create a an efficient heat sink and solid mounting bracket. We don't use glue or single use plastic and all parts are mechanically mounted as well as easily serviceable and upgradeable.



UNMATCHED EFFICIENCY & LONGEVITY

Operating at 800 watts, the Dynamic 2400 achieves a PPF output of 2400 $\mu\text{mol/s}$ with an efficiency of 3.0 $\mu\text{mol/J}$. This makes it 20% more efficient than leading competitor models, while delivering higher output per watt.

ADVANCED POWER & CONTROL INTEGRATION

The Dynamic 2400's next-generation high-efficiency LED driver converts AC power with 97% efficiency, providing a stable and reliable power supply. The integrated over-voltage and surge protection safeguards against power fluctuations, while an inrush current limiter reduces peak current draw. When used with Growcast, inrush currents are eliminated entirely by keeping fixtures in standby mode.

THE TELOS DYNAMIC 2400

The Telos Dynamic 2400 is the most powerful fixture in the Dynamic series, designed for large-scale and industrial grow spaces. Weighing 8.8kg and measuring 596mm x 308mm x 71mm, it delivers superior PPFD uniformity for consistent, high-quality light coverage. Featuring Telos' innovating batwing optical lens technology, it ensures even photon distribution across the canopy, eliminating hotspots and improving light penetration for balanced growth. Combined with the high-efficiency PWS1 spectrum, the Dynamic 2400 is 20% more efficient than competitors, while delivering higher output per watt. With an IP66 rating and precision-engineered cooling, it ensures reliability in demanding environments.



DYNAMIC 2400 TECH SPECS

ELECTRICAL PARAMETERS - SINGLE PHASE INPUT

Input Voltage	120~305 Vac / 116~289 Vdc
Input Frequency	47-63Hz
Power Consumption	800W
Power Factor	>0.95
Current Draw	120VAC: 6.66A / 220VAC: 3.64A
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)	2400 µmol/s
PPF Efficiency (@ Full power)	3.0 µmol/J
Radiometric Output	544W
Radiometric Efficiency	68%
Beam Angle	Telos Bat Wing Distribution

THERMAL & MECHANICAL PARAMETERS

Dimensions	L 596 x W 308 x H 71 mm
Weight	8.80 kg
Ingress Protection	IP66
Ambient Operating Temperature	0-35C
BTUs	2730 BTU/hr

CERTIFICATION & SAFETY

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

DAISY CHAINING

10A Plug	120VAC: 1 Lights / 220VAC: 2 Lights
13A Plug	120VAC: 1 Lights / 220VAC: 3 Lights
16A MCB	120VAC: 2 Lights / 220VAC: 4 Lights
24A MCB	120VAC: 3 Lights / 220VAC: 6 Lights
32A MCB	120VAC: 4 Lights / 220VAC: 8 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.

1334	1335	1316	1297	1297	1296	1296	1311	1327	1325
1311	1351	1353	1348	1349	1347	1345	1353	1355	1339
1324	1383	1397	1396	1391	1396	1396	1399	1387	1342
1325	1390	1414	1412	1398	1411	1413	1417	1396	1333
1328	1388	1398	1382	1394	1405	1403	1403	1376	1307
1322	1384	1403	1396	1404	1391	1405	1397	1362	1330
1328	1388	1407	1402	1402	1406	1415	1412	1383	1340
1335	1383	1396	1394	1381	1393	1391	1392	1379	1349
1330	1355	1358	1354	1326	1345	1334	1345	1351	1347
1332	1328	1318	1309	1282	1304	1302	1311	1320	1323

TELOS DYNAMIC 2400 PPFD MAP

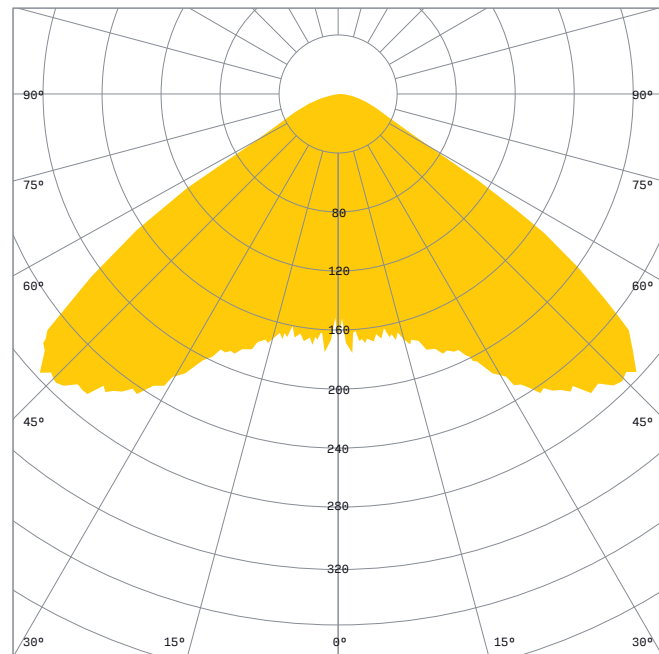
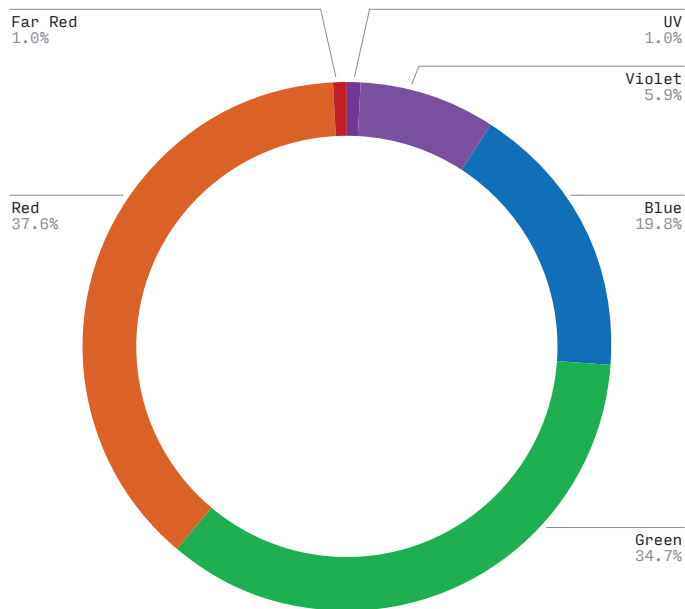
This is the light map for the Telos Dynamic 2400 light fixture. It shows the even distribution of light across the room.

The optimum hanging height is 65cm 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 1.4m², you can see for this area to get 1000 µmol/m²/s you would need one fixture running at 64%.

Tent Size	1.2 x 1.2 m
Optimal Hanging Height	65 cm
Uniformity (Min:Avg)	>90%
Uniformity (Min:Max)	>85%
Average PPFD	1364 µmol/ m²/ s
Minimum PPFD	1282 µmol/ m²/ s
Maximum PPFD	1417 µmol/ m²/ s

GROW SETTINGS

	0-10V Percentage	Power Consumption (W)	Efficiency (µmol/J)
Propagation (200 µmol/m²/s)	13%	107.8	3.3
Vegetative (450 µmol/m²/s)	28%	242.8	3.3
Flower (1000 µmol/m²/s)	64%	553.4	3.2
CO₂ Flower (1200 µmol/m²/s)	78%	682.2	3.1



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 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.

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.