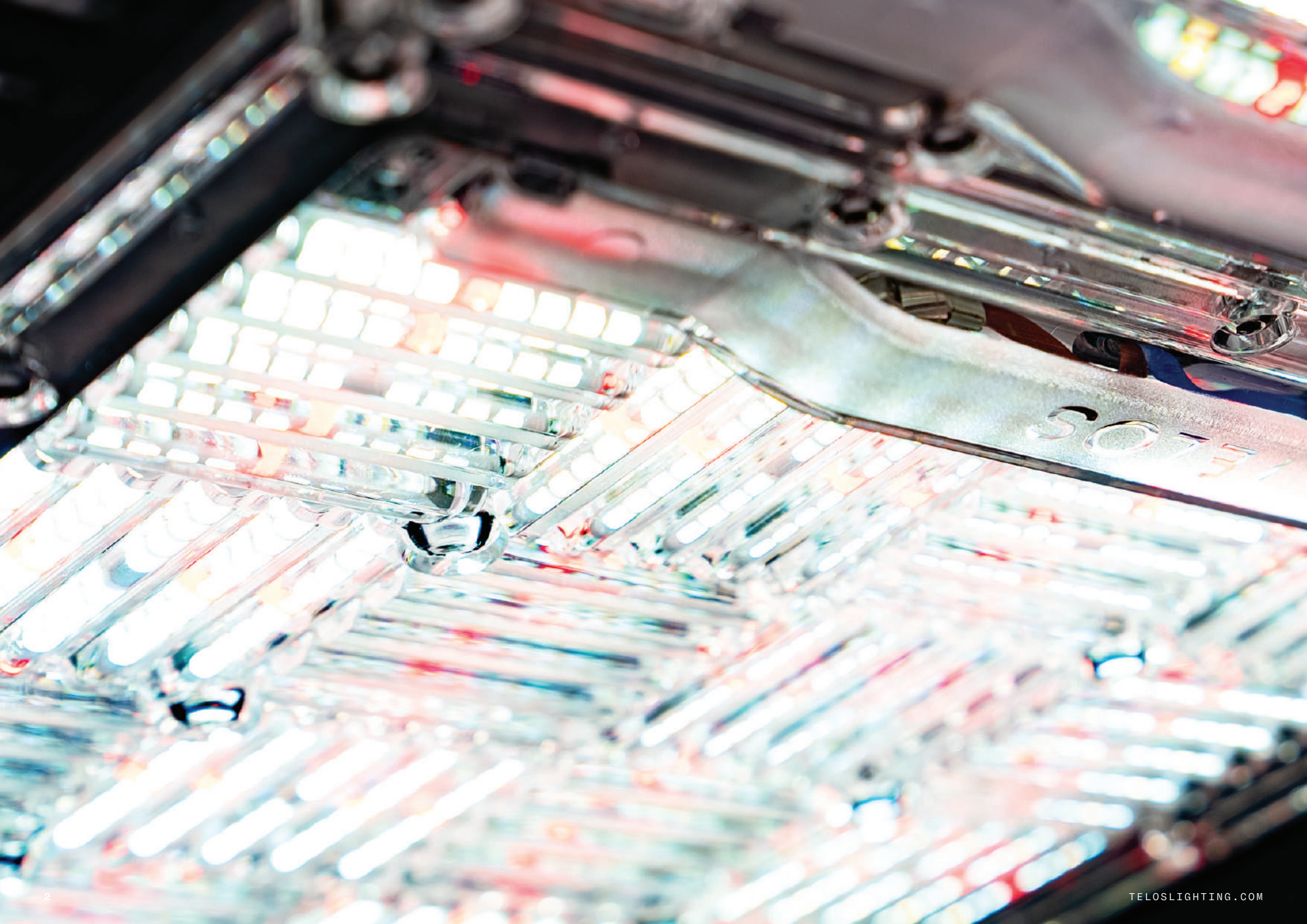
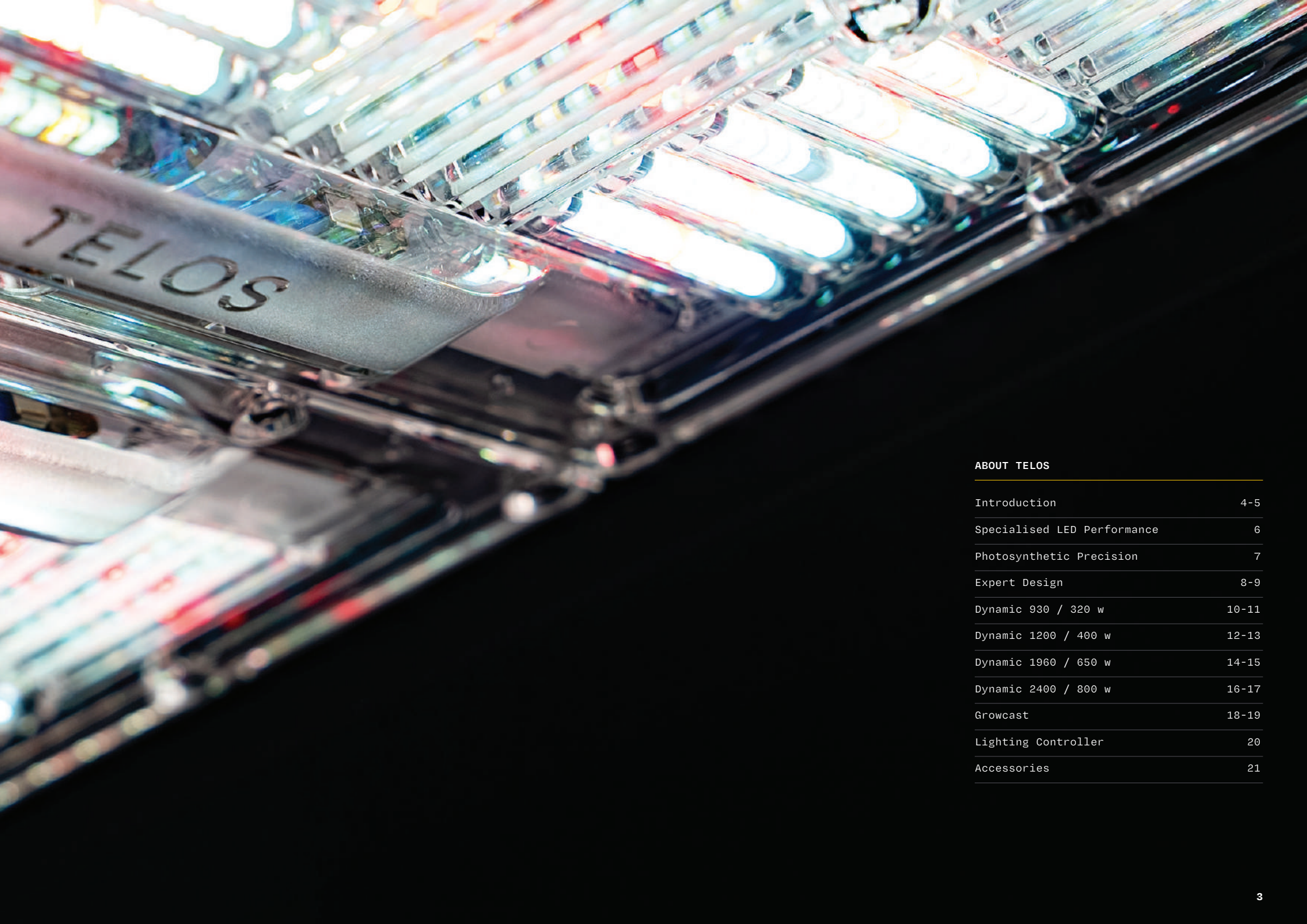


TELOS

THE DYNAMIC RANGE
THE LATEST TECHNOLOGY IN GROW LIGHTING





TELOS

ABOUT TELOS

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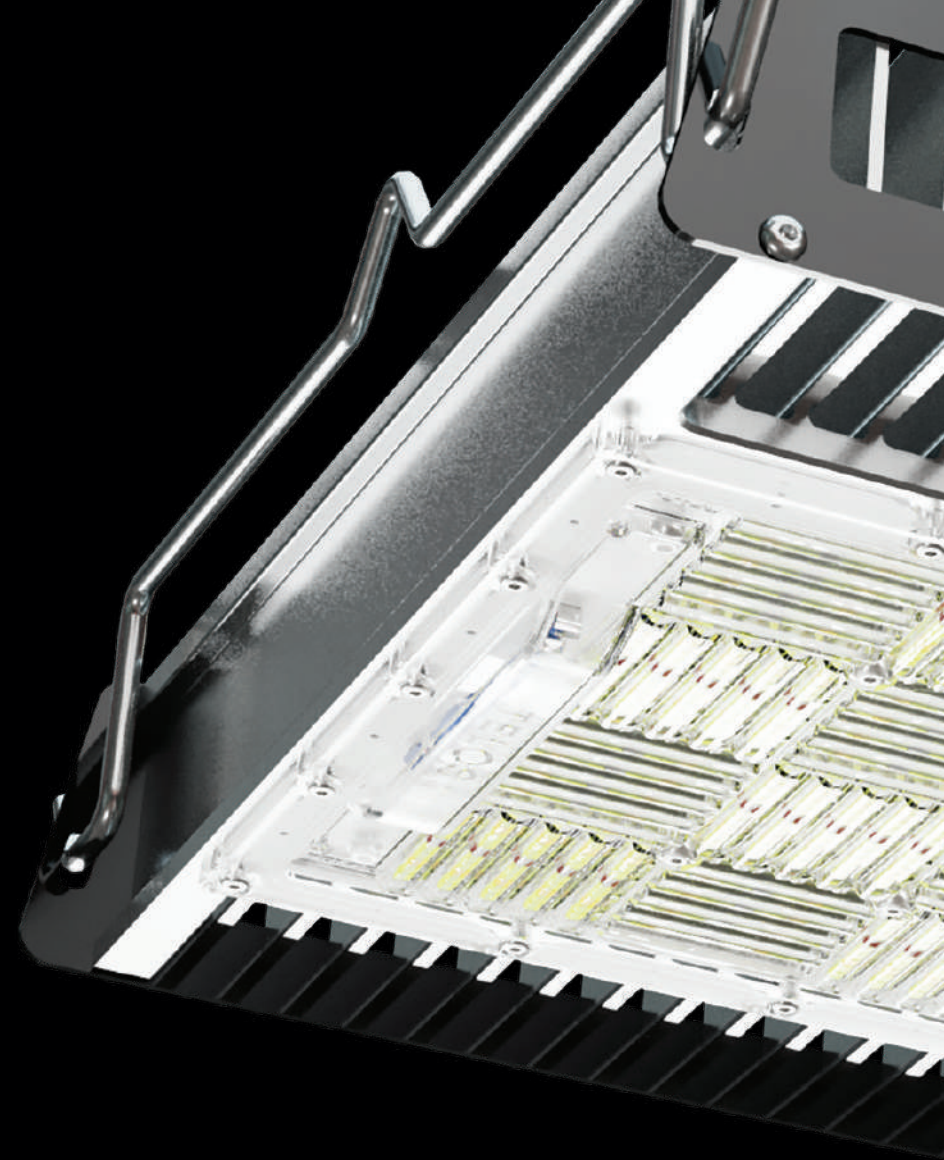
INTRODUCTION:
PRECISION-ENGINEERED SOLUTIONS
FOR ADVANCED HORTICULTURE

Telos delivers high-performance, scientifically optimised technology for hobby, commercial and medical horticulture. Since 2011, Telos has been at the forefront of innovation. Its systems set new industry standards for efficiency, reliability, and precision.

Operating from its production facility in South Yorkshire, UK, Telos develops cutting-edge horticultural solutions designed for superior performance in controlled environments.

Every system is engineered to optimise productivity, enhance energy efficiency, and ensure long-term reliability. With a focus on precision and sustainability, Telos creates products that empower growers to achieve industry-leading results.

Telos prioritises scientific accuracy, designing systems that are rigorously tested and validated to deliver consistent, repeatable performance. Whether for food production, medical horticulture, or large-scale commercial growing, Telos technology provides the control and precision needed to optimise grower outcomes.



PATENT PENDING
REFRACTIVE
OPTICAL DESIGN

ADVANCED HEAT SINK
DESIGN KEEPS THE LEDS
AT OPTIMAL TEMPERATURES

HIGH PERFORMANCE
LEDS FROM LEADING
MANUFACTURERS

85,000
HOURS
LIFESPAN

UPTO 97% EFFICIENT
NEXT GEN LED DRIVERS

IP66 WATER PROOF

TELOS
DYNAMIC 2400

SPECIALISED LED PERFORMANCE: INDUSTRY-LEADING EFFICIENCY & PERFORMANCE

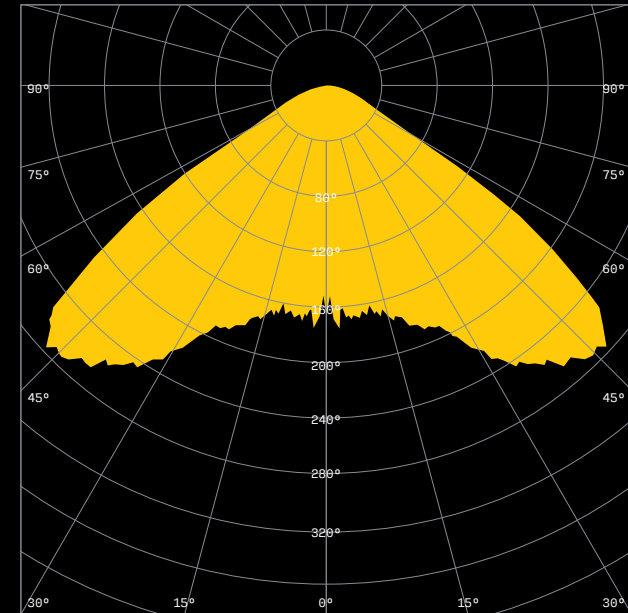
The Dynamic range integrates a patent-pending batwing optical lens, optimising PPFD uniformity across the canopy while eliminating hotspots that cause photodamage.

Unlike conventional optics that concentrate light intensity in the centre, this innovative design redistributes photons emitted by the LEDs, ensuring a balanced and even spread of light, promoting consistent growth across all plant levels.

Telos' batwing optics optimise the natural Lambertian distribution emitted by LEDs for horticultural applications. The batwing reshapes light emissions into a three-tiered profile for precise light distribution across the canopy.

Integrated optic blocks ensure the batwing distribution is symmetrical in both parallel and perpendicular directions. This cross-sectional profile adjusts light angles to prevent excessive intensity at the centre, promoting coverage and reducing cross-over between fixtures. Hotspots typically associated with Lambertian distributions are eliminated, resulting in exceptional PPFD uniformity and enhanced light efficiency for plant growth.

Unlike its competitors that measure only LED output, Telos evaluates both spectrum consistency and photon flux to ensure long-term performance. The Dynamic range maintains its original spectrum and output with minimal degradation, ensuring consistent quality over years of use.



The patent-pending Telos Batwing distribution.

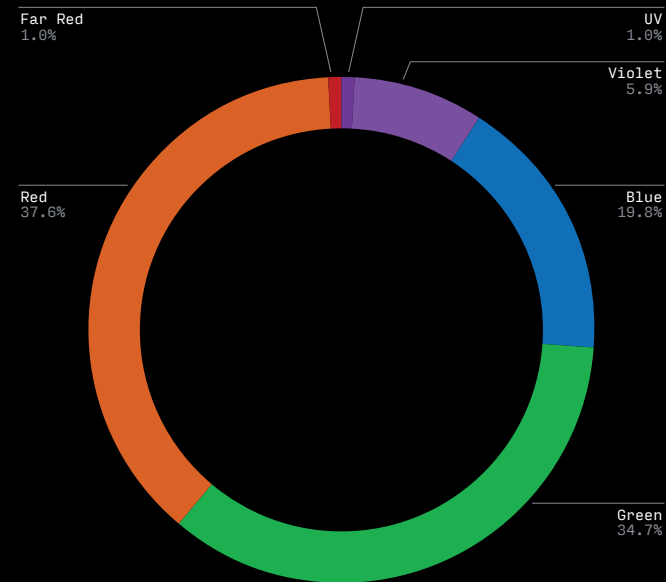
PHOTOSYNTHETIC PRECISION: NEXT-GENERATION HORTICULTURAL LIGHTING

Engineered using cutting-edge medical cannabis research, the Telos Polar White Spectrum (PWS1) is a technological breakthrough in the grow light industry.

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 1m and reduces the risk of photobleaching at higher PPFD levels.

Additionally, 430nm violet pump white LEDs enhance plant resilience by improving nutrient density, flavonoid production, and resistance to surface-level pathogens.

Designed for maximum efficiency, Telos Dynamic lights are 20% more effective per cubic metre of plant volume than competing products. This advanced spectral tuning leads to stronger plants and greater yields.



The Telos PWS1 spectrum.

EXPERT DESIGN:
BUILT FOR
EXTREME GROWING
ENVIRONMENTS

Telos Dynamic fixtures are designed to withstand challenging environmental conditions, including high humidity, dust, and other contaminants.

The internal electronics and LED array are protected by an IP66-rated enclosure, providing one of the highest levels of protection against water and dust ingress available in horticultural lighting.

The Dynamic range is made from anodised aluminium and stainless-steel. This provides superior durability while functioning as an advanced passive cooling system. The precision machined heatsink efficiently dissipates heat away from the LED junctions, preventing overheating and prolonging the fixture's lifespan. Unlike many grow lights that use adhesives or single-use plastic clips, the Dynamic range is mechanically mounted, making it fully serviceable and upgradeable.

UNMATCHED RELIABILITY & WARRANTY

Telos Dynamic grow lights come with a three-year warranty, extendable to five years upon product registration. They are fully compliant with British and European electrical and photobiology safety standards, with a US/UL-certified version in development.



TELOS DYNAMIC 930: COMPACT AND POWERFUL WITH BUILT-IN CONTROL



The Telos Dynamic 930 is the smallest and lightest model in the Telos Dynamic range, designed for growers who need maximum efficiency in a compact fixture.

Weighing just 4.43kg and measuring 336 mm x 268 mm x 63 mm, it delivers outstanding PPFD uniformity and optimised light distribution. Its small size and lightweight design makes it ideal for small to medium grow areas from 0.8m².

GROWCAST BUILT-IN

The Dynamic 930 comes with an integrated Growcast controller, offering a seamless, wireless connection to the fixture. This enables precise control of light output as well as all the advanced technology of the full Dynamic series' industry-leading performance and durability.



320 W



PPFD 2.9 $\mu\text{mol}/\text{J}$



4.43 kg



IP66

TECHNICAL SPECIFICATIONS

Power Consumption	320 W
PPF Output (@Full Power)	930µmol/s
PPF Efficiency (@Full Power)	2.9 µmol/J
System Weight	4.43 KG
Waterproof Rating	IP66
Dimming Range	10-100%
Method Of Dimming	Integrated Growcast Controller
Cooling	Natural Convection / Passive
Ambient Operating Temperature	0-40°C
Chassis Materials	Anodised Aluminium / Stainless Steel
Length Width Height mm	336 x 268 x 63
Beam Angle FWHM	105° Telos Bat Wing Distribution
Approvals	CE, UKCA

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
1170	1216	1249	1242	1235	1242	1257	1252	1207	1153
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

50 cm Hanging Height.

Room Size	0.8m x 0.8m
Average PPF	1211 µmol/m²/s
Uniformity (Min:Avg)	>90%



TELOS
DYNAMIC 930

TELOS DYNAMIC 1200: PRECISION ENGINEERING FOR EXCEPTIONAL GROWTH

The Telos Dynamic 1200 is a robust and highly efficient grow light, designed to deliver exceptional performance and longevity.

As the next size up from the Dynamic 930, it offers all the advantages of the Dynamic series in a medium-sized unit, measuring 342mm x 308mm x 63mm and weighing 4.79kg. Ideal for small to medium-sized grow spaces of 1m² or more, it ensures optimised light distribution and superior plant growth.



400 W



PPF 3.0 $\mu\text{mol}/\text{J}$



4.79 kg



IP66

TECHNICAL SPECIFICATIONS

Power Consumption	400 W
PPF Output (@Full Power)	1200 $\mu\text{mol/s}$
PPF Efficiency (@Full Power)	3.0 $\mu\text{mol/J}$
System Weight	4.79 KG
Waterproof Rating	IP66
Dimming Range	10-100%
Method Of Dimming	Growcast or 0-10V
Cooling	Natural Convection / Passive
Ambient Operating Temperature	0-40°C
Chassis Materials	Anodised Aluminium / Stainless Steel
Length Width Height mm	342 x 308 x 63
Beam Angle FWHM	105° Telos Bat Wing Distribution
Approvals	CE, UKCA

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

55 cm Hanging Height.

Room Size	1.0 m x 1.0 m
Average PPF	1004 $\mu\text{mol/m}^2/\text{s}$
Uniformity (Min:Avg)	>90%



TELOS
DYNAMIC 1200

TELOS DYNAMIC 1960: NEXT-GENERATION HORTICULTURAL LIGHTING

The Telos Dynamic 1960 is the third-largest fixture in the Dynamic series. Designed for professional growers seeking unmatched efficiency and uniformity in medium to large-scale grow spaces.

Optimised for 1.2m² and larger environments, it combines cutting-edge optical engineering with robust construction to redefine high-performance horticultural lighting. Weighing 8.28kg and measuring 596mm x 268mm x 71mm, it is built for durability and scalability.



650 W



PPF 3.0 $\mu\text{mol}/\text{J}$



8.28 kg



IP66

TECHNICAL SPECIFICATIONS

Power Consumption	650 W
PPF Output (@Full Power)	1960 $\mu\text{mol/s}$
PPF Efficiency (@Full Power)	3.0 $\mu\text{mol/J}$
System Weight	8.28 KG
Waterproof Rating	IP66
Dimming Range	10-100%
Method Of Dimming	Growcast or 0-10V
Cooling	Natural Convection / Passive
Ambient Operating Temperature	0-40°C
Chassis Materials	Anodised Aluminium / Stainless Steel
Length Width Height mm	596 x 268 x 71
Beam Angle FWHM	105° Telos Bat Wing Distribution
Approvals	CE, UKCA

1079	1085	1083	1081	1070	1062	1079	1086	1095	1095
1104	1110	1109	1104	1107	1083	1111	1115	1115	1092
1106	1131	1144	1146	1148	1137	1146	1147	1136	1095
1098	1133	1157	1160	1161	1162	1155	1157	1138	1088
1086	1120	1148	1153	1150	1159	1145	1151	1134	1089
1079	1131	1152	1152	1155	1155	1134	1149	1142	1090
1093	1146	1164	1160	1160	1151	1158	1161	1143	1090
1099	1139	1150	1148	1147	1146	1148	1148	1136	1090
1095	1113	1114	1109	1106	1112	1110	1112	1110	1079
1088	1086	1078	1070	1066	1071	1068	1083	1098	1096

65 cm Hanging Height.

Room Size	1.2 m x 1.2 m
Average PPF	1121 $\mu\text{mol/m}^2/\text{s}$
Uniformity (Min:Avg)	>90%



TELOS DYNAMIC 2400:
THE ULTIMATE
HIGH-PERFORMANCE
GROW LIGHT FOR
COMMERCIAL CULTIVATION

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 596 mm x 308 mm x 71 mm, it delivers superior PPF 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 competing products, delivering higher yields per watt. With an IP66 rating and precision-engineered cooling, it ensures reliability in demanding environments.



800 W



PPF 3.0 $\mu\text{mol}/\text{J}$



8.8 kg



IP66

TECHNICAL SPECIFICATIONS

Power Consumption	800 W
PPF Output (@Full Power)	2400 $\mu\text{mol/s}$
PPF Efficiency (@Full Power)	3.0 $\mu\text{mol/J}$
System Weight	8.8 KG
Waterproof Rating	IP66
Dimming Range	10-100%
Method Of Dimming	Growcast or 0-10V
Cooling	Natural Convection / Passive
Ambient Operating Temperature	0-40°C
Chassis Materials	Anodised Aluminium / Stainless Steel
Length Width Height mm	596 x 308 x 71
Beam Angle FWHM	105° Telos Bat Wing Distribution
Approvals	CE, UKCA

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

65 cm Hanging Height.

Room Size	1.2 m x 1.2 m
Average PPF	1364 $\mu\text{mol/m}^2/\text{s}$
Uniformity (Min:Avg)	>90%



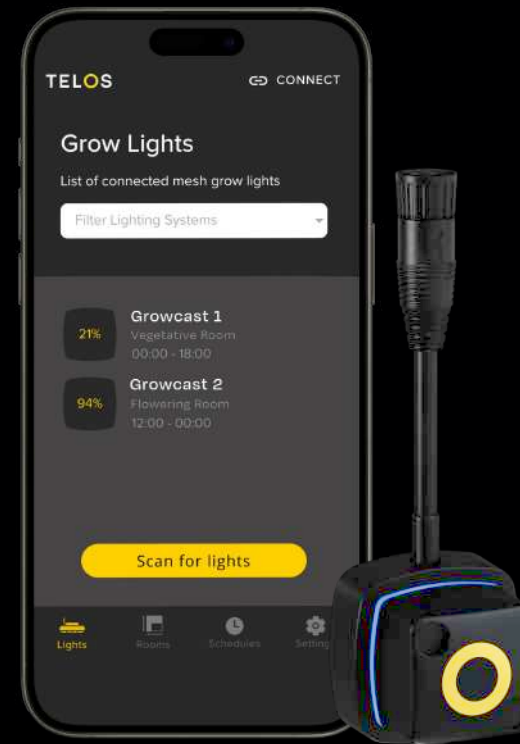
TELOS
DYNAMIC 2400

GROWCAST:
THE FUTURE OF
GROW LIGHT CONTROL



Growcast is a next generation, cutting-edge, decentralised wireless lighting controller designed for seamless integration with Telos Grow Lights. It operates via the Telos app on any smart device, available for both Android and iOS.

This industry-first control system delivers unparalleled data-driven insights into lighting systems, eliminating the need for master controllers or timers. It enhances energy efficiency, boosts yields, and revolutionises environmental control.




Data-driven
PPFD Control



1-1000
Fixtures



On / Off
Schedules



Sunrise /
Sunset Mode



TECHNICAL SPECIFICATIONS

Connection Interface	LLT Connector + RJ11 and linking adaptors Smart
User Interface	Smart phone app or manual control via touch sensor
Dimming Range	100% & Dim to off
Dimming Protocol	1-10v or PWM
Input Power	USBC cable or 12v supply (From LED driver)
Wireless Technology	Wireless Mesh version 5.3
Control App	Telos Mesh
App Availability	Android and iOS
Waterproof Rating	IP65 (When USBC power is not in use)
Length Width Height mm	32 x 32 x 22
Weight	80 g
Cable Length	250 mm
Manufacturer's Warranty	2 years

THE SCIENCE OF GROWCAST

Empowers growers to create the perfect environment for producing robust crops and high yields by providing precise control over light intensity and spectral quality.

SMART LIGHTING SCHEDULES

Align the intensity and PPF output with your plants' natural growth phases and photosynthetic behaviours.

STREAMLINED SETUP

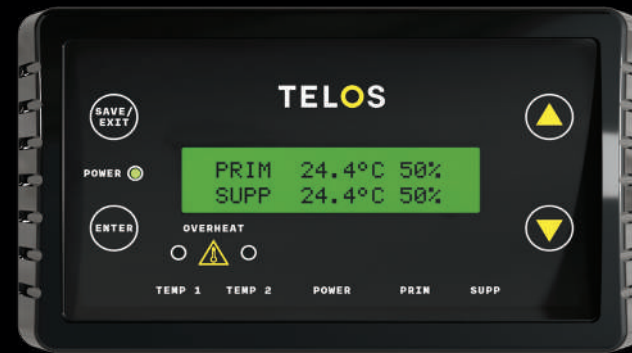
Universally compatible with any 0-10V dimmable grow light.



LIGHTING CONTROLLER: PRECISION-ENGINEERED FOR MULTI-FIXTURE GROW LIGHTING CONTROL

Universally compatible with most 0-10v LED, HPS, and UV lights, growers can fine-tune light and temperature settings for healthier, higher-yielding crops.

The two-channel control operates grow lights on different light and temperature settings. For example, LED fixtures as primary grow lights, supported by HPS or UV fixtures to boost PPFd or maintain heat within the room. The controller aligns precise temperature and light cycles with existing feeding schedules, encouraging natural growth behaviours and minimising plant stress.



Digital Screen



Sunrise /
Sunset Mode



Dual
Temperature
probes



Two Channel
Control



POWER LINK:
OPTIMISED POWER
DISTRIBUTION

The Telos Power Link Cable enables synchronised power distribution across multi-fixture networks

Its durable, flexible, and waterproof design improves safety and organisation within the grow space.

The Telos Power Link kit will power up to:

Dynamic 930 — **4 units** @ 120VAC / 7 units @ 220VAC
Dynamic 1200 — **3 units** @ 120VAC / 6 units @ 220VAC
Dynamic 1960 — **2 units** @ 120VAC / 4 units @ 220VAC
Dynamic 2400 — **1 unit** @ 120VAC / 3 units @ 220VAC



DIMMING LINK:
MULTI-FIXTURE
CONTROL

The Telos Dimming Link Cable delivers synchronised dimming control across all connected fixtures.

It supports precise light adjustments, improving energy efficiency and promoting consistent plant health..

The Telos Dimming Link kit will connect up to:

Dynamic 930 — Not required due to built-in Growcast
Dynamic 1200 — **24 units**
Dynamic 1960 — **24 units**
Dynamic 2400 — **24 units**



RJ11 ADAPTORS

Telos' RJ11 adaptors enhance system compatibility by allowing growers to connect Telos fixtures to third-party lighting controllers.

This increases flexibility, reduces upgrade costs, and ensures seamless integration with existing grow room infrastructure.





