



DAYLIGHT[®]

Full Spectrum Professional LED Lighting

COMPLETE RANGE **2023-24**

www.growwithdaylight.co.uk



DAYLIGHT 660W PRO

- ✓ Total output: 1848 $\mu\text{mol/s}$
- ✓ LUMLED white (3.0 $\mu\text{mol/J}$) and Osram red (3.9 $\mu\text{mol/J}$) chips: The best of the best.
- ✓ Ideal over a 1.5 x 1.5m area.
- ✓ Full-spectrum: Full-bodied, enhanced red spectrum improves plant growth and flowers.
- ✓ Silent running: No fans or moving parts.
- ✓ Remote dimmer included: 25%-50%-75%-100% power.

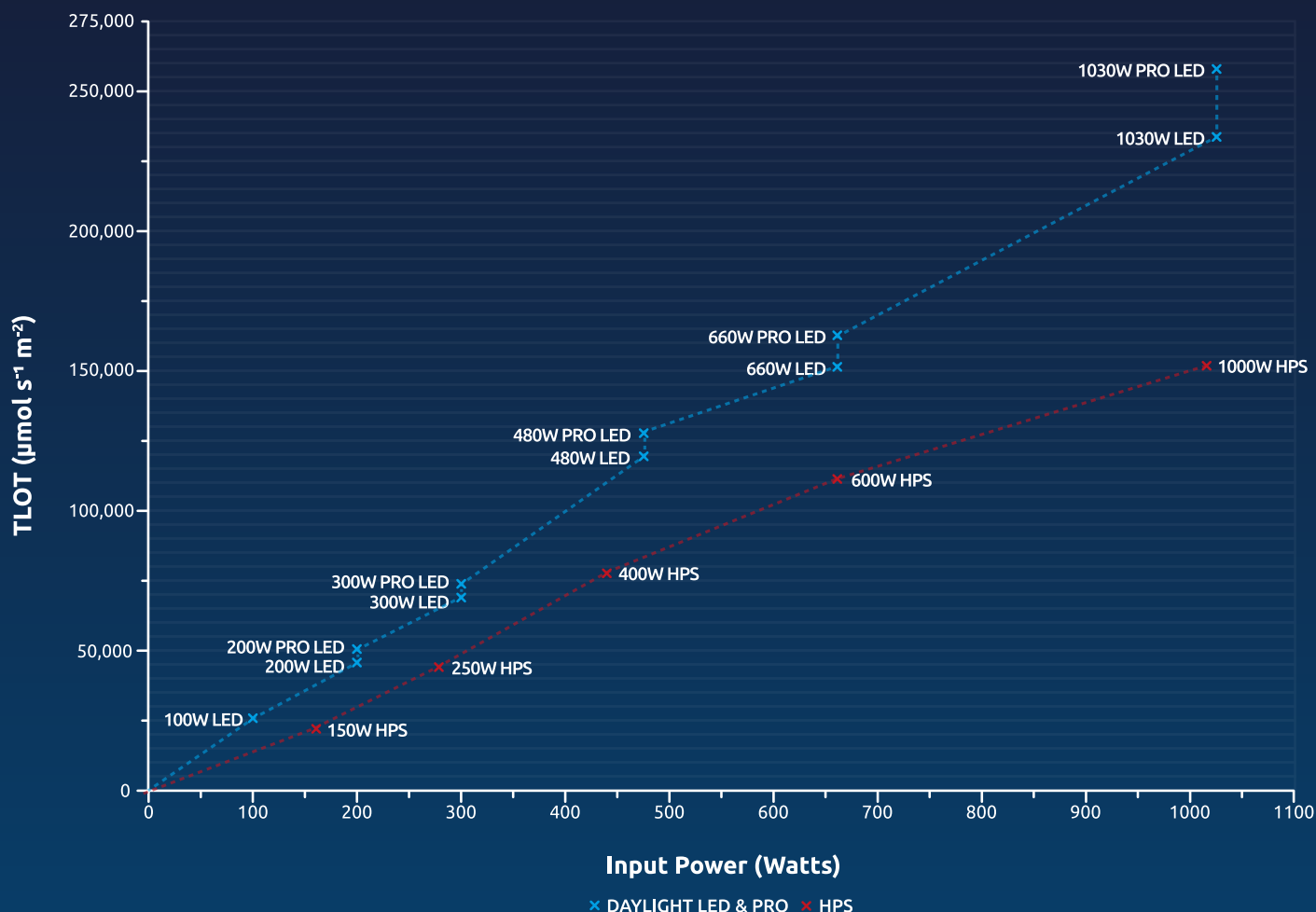


More Flower, Less Power



Transitioning from HPS to LED

When you buy a new grow light, you're effectively buying 'Light', so it's important to know just how much you are getting. Here is a visual guide to help you make the right decision.



From customer feedback, to achieve a higher yield with LED we recommend using 30% more PPFD than HPS lighting.

For more information on this, and switching to LED grow lights, please read our blog:

Transitioning from HPS to LED: Eight real-world tips from a seasoned grower Everest Fernandez.

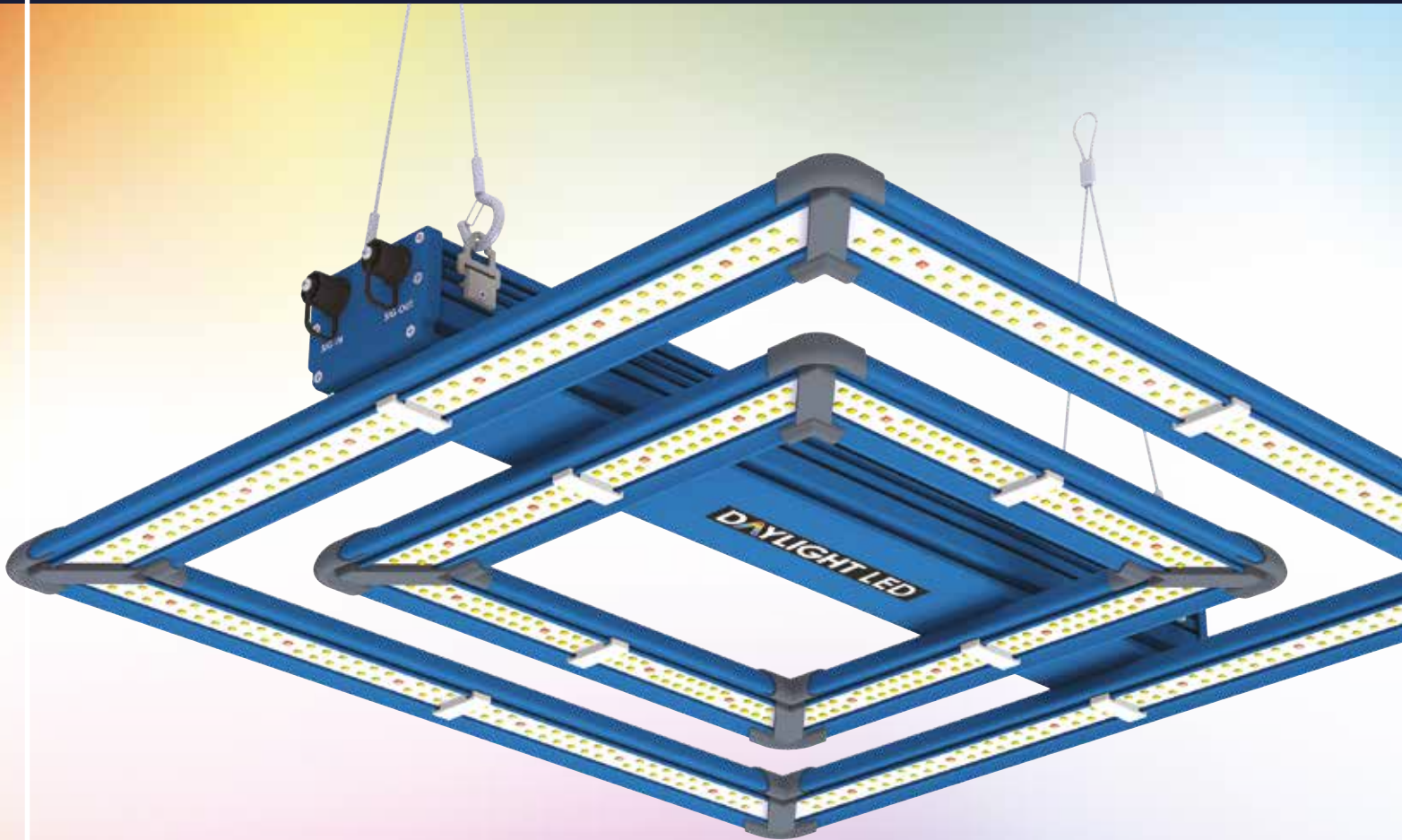


Scan to visit

DAYLIGHT LED

200W PRO & 200W LED Fixtures

Light distribution optimised for 0.8 x 0.8m area



Remote dimmer
included (PRO only)



- ✓ **Highly uniform coverage (PPFD)** across the canopy: Ideal over a 0.8 x 0.8m area.
- ✓ **Full spectrum:** Full-bodied, enhanced red spectrum improves plant growth and flowers.
- ✓ **Silent running:** No fans or moving parts
- ✓ **Dimmable:** 20% - 40% - 60% - 80% - 100% power

- ✓ **Passive heat dissipation:** No fans, low heat
- ✓ **50,000 hours** lifespan
- ✓ **Guaranteed:** Three year warranty
- ✓ **Dimensions (2.3) :** 508 x 508 x 86mm

PRO UNIT ONLY

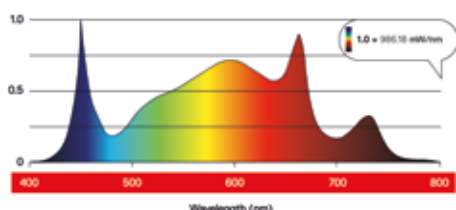
- ✓ **No LED covers.** Clear glue diode protection for maximum output and efficiency
- ✓ **IP65 ingress protection:** Water resistant
- ✓ **Remote dimmer** included: 25%-50%-75%-100% power
- ✓ **Controllable:** via iLink cables and DAYLIGHT Lighting Controller
- ✓ **Dimensions (PRO):** 530.2 x 530.2 x 68.4mm

DAYLIGHT 200W PRO

High-Quality Diodes

LUMLED white ($2.85 \mu\text{mol/J}$) and LUMLED red ($3.65 \mu\text{mol/J}$) chips.

If you're in the market for a compact and affordable, yet incredibly powerful LED Fixture, The **DAYLIGHT 200W PRO** is the perfect choice. With an impressive **total output of 500 $\mu\text{mol/s}$** and a **fixture efficiency of $2.5 \mu\text{mol/J}$** , this unit boasts all the incredible features of the standard version **PLUS** remote dimmer, IP65 Ingress Protection and the ability to control multiple units via iLink using the DAYLIGHT Lighting Controller.



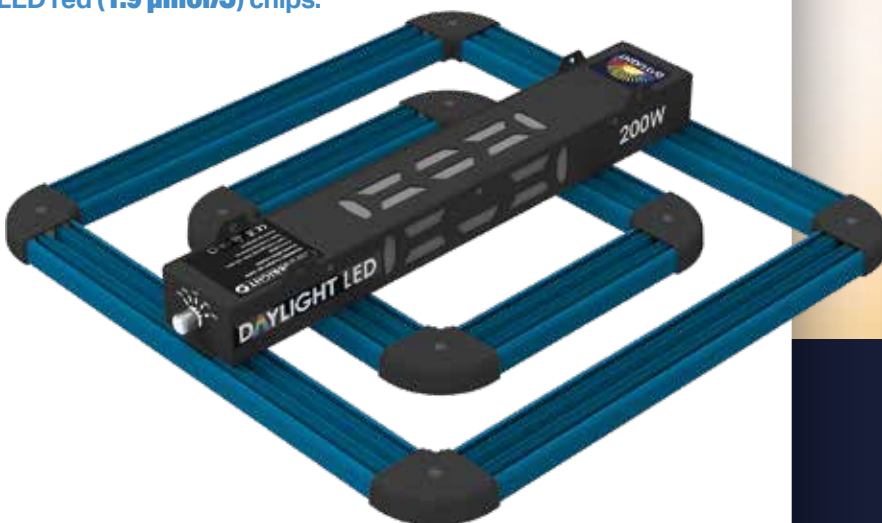
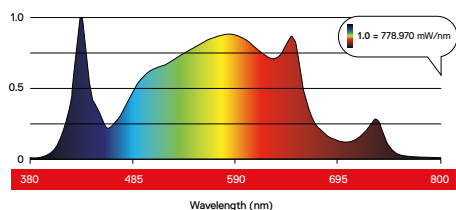
500 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT 200W

High-Quality Diodes

LUMLED white ($2.49 \mu\text{mol/J}$) and LUMLED red ($1.9 \mu\text{mol/J}$) chips.

For growers who find that space is at a premium, the **DAYLIGHT 200W LED** is designed to perfectly cover a smaller footprint of 0.8m x 0.8m. Boasting a **fixture efficiency of $2.3 \mu\text{mol/J}$** and a **total output of 460 $\mu\text{mol/s}$** . There is no better option for growers dealing with those tight spaces! Full spectrum (including far-red) and using high-quality LUMLED chips means an exceptional rate of growth from plants in a small area.



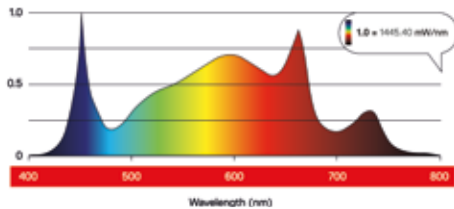
460 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT 300W PRO

High-Quality Diodes

LUMLED white (**2.85 $\mu\text{mol/J}$**) and LUMLED red (**3.6 $\mu\text{mol/J}$**) chips.

If you're looking for a small yet impressively powerful LED, then look no further than The **DAYLIGHT 300W PRO**. With an outstanding **total output of 750 $\mu\text{mol/s}$** and a **fixture efficiency of 2.5 $\mu\text{mol/J}$** , this unit retains all of the brilliant features that made the standard version so effective **PLUS** a remote dimmer, IP65 Ingress Protection and the ability to control multiple units via iLink using the DAYLIGHT Lighting Controller.



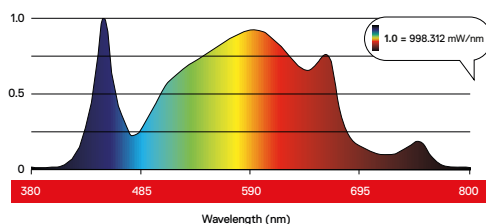
750 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT 300W

High-Quality Diodes

Lumiled LEDs white (**2.85 $\mu\text{mol/J}$**) and LUMLED red (**2 $\mu\text{mol/J}$**) chips.

LED lighting technology has evolved leaps and bounds over the past few decades. As the technology has progressed, so have grower's expectations on performance. The **DAYLIGHT 300W LED** boasts a **fixture efficiency of 2.3 $\mu\text{mol/J}$** and a **total output of 690 $\mu\text{mol/s}$** . Optimised to cover a **1m x 1m** area perfectly, the DAYLIGHT 300W LED will impress even the most staunch HPS supporter.

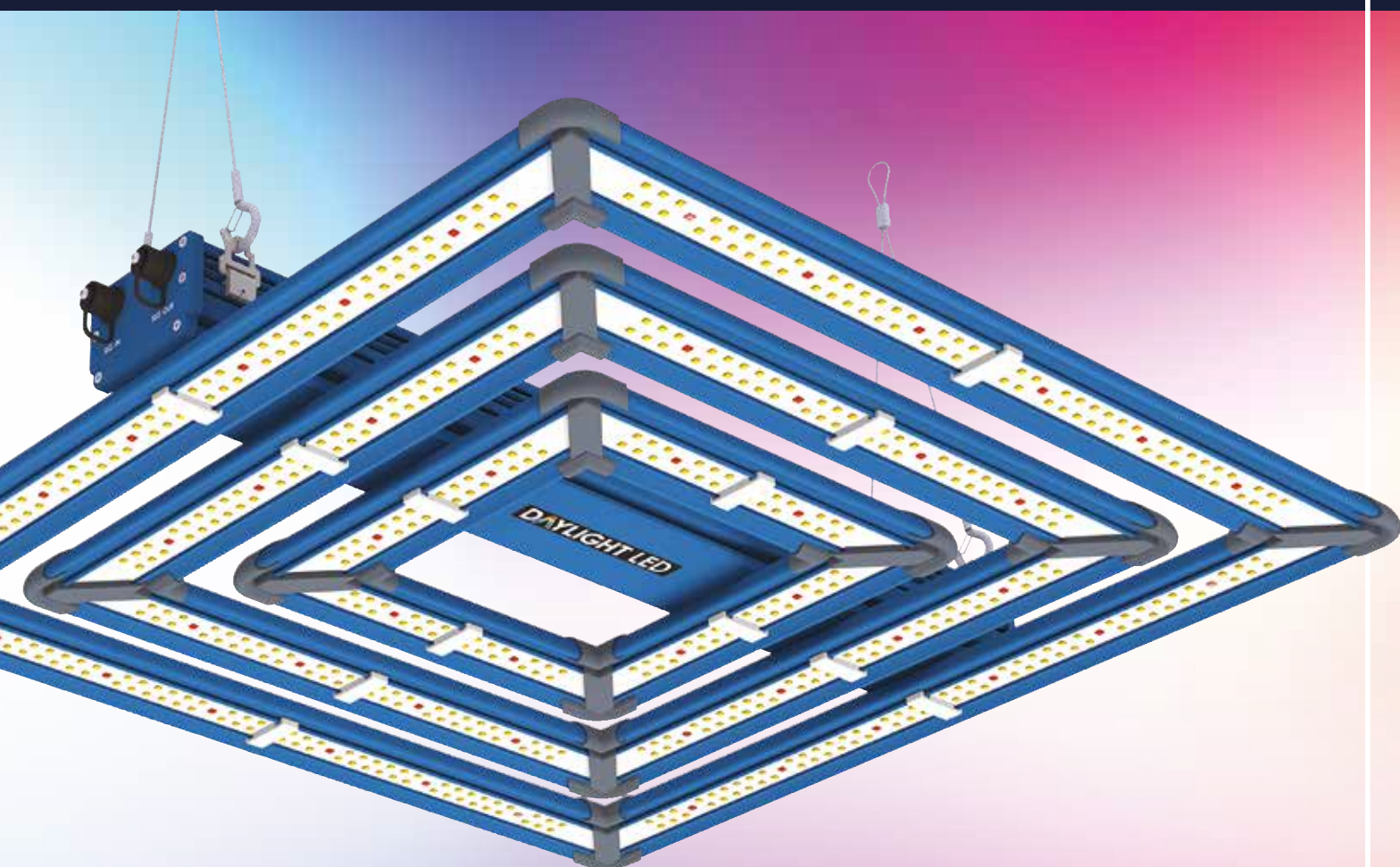


690 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT LED

300W PRO & 300W LED Fixtures

Light distribution optimised for 1 x 1m area



Remote dimmer
included (PRO only)

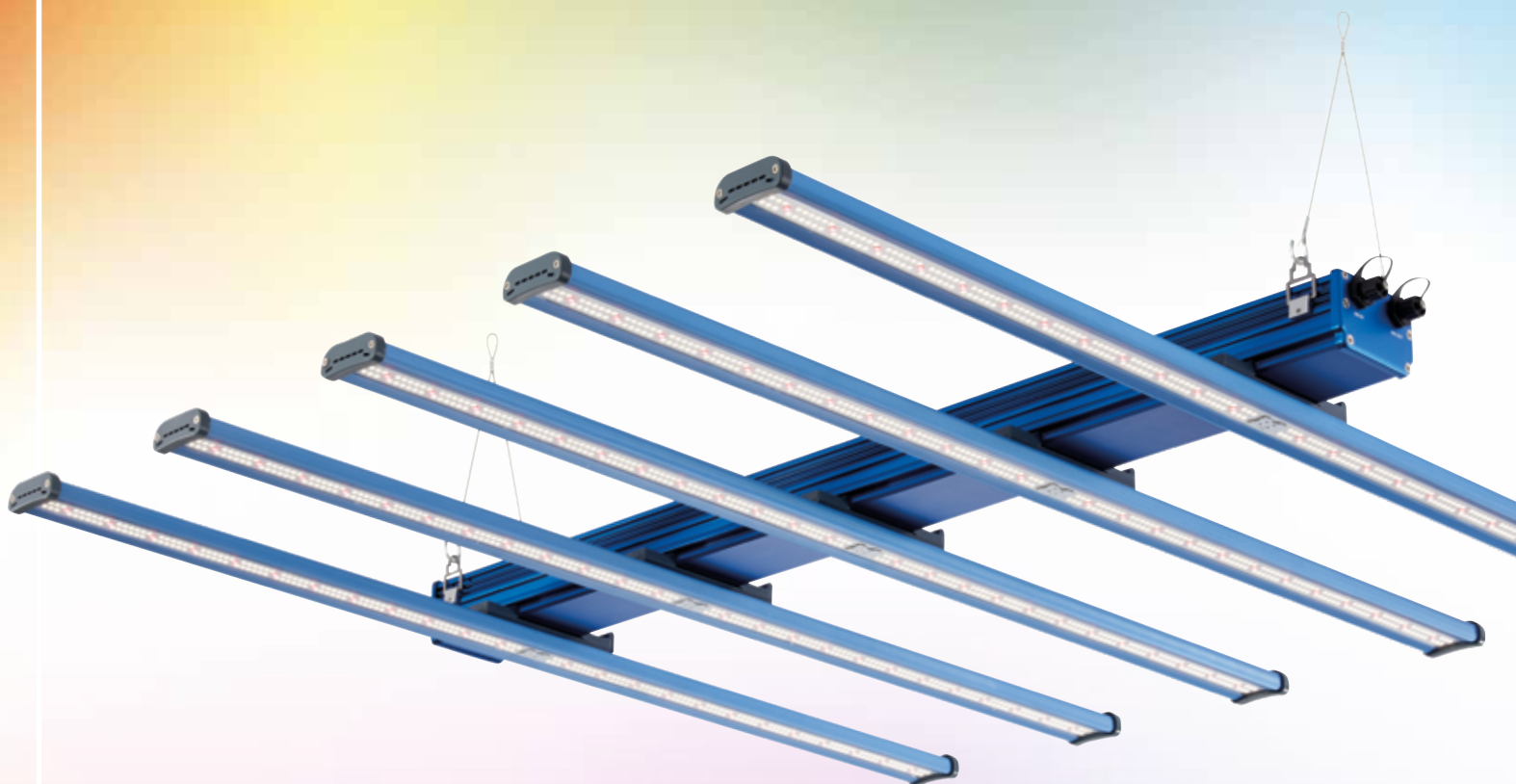


- | | | |
|--|--|---|
| <ul style="list-style-type: none"> ✓ Highly uniform coverage (PPFD) across the canopy: Ideal over a 1 x 1m area. ✓ Full spectrum: Full-bodied, enhanced red spectrum improves plant growth and flowers. ✓ Silent running: No fans or moving parts ✓ Dimmable: 20% - 40% - 60% - 80% - 100% power | <ul style="list-style-type: none"> ✓ Passive heat dissipation: No fans, low heat ✓ 50,000 hours lifespan ✓ Guaranteed: Three year warranty ✓ Dimensions (2.3) : 558 x 558 x 90mm | <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; font-size: small; margin-bottom: 10px;">PRO UNIT ONLY</div> <ul style="list-style-type: none"> ✓ No LED covers. Clear glue diode protection for maximum output and efficiency ✓ IP65 ingress protection: Water resistant ✓ Remote dimmer included: 25%-50%-75%-100% power ✓ Controllable: via iLink cables and DAYLIGHT Lighting Controller ✓ Dimensions (PRO): 564.8 x 564.8 x 68.4mm |
|--|--|---|

DAYLIGHT LED

480W PRO & 480W LED Fixtures

Light distribution optimised for 1.2 x 1.2m area

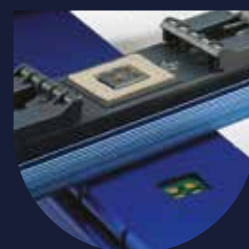


Remote dimmer
included (PRO only)



- ✓ **5 bar system:** Gives highly uniform coverage (PPFD) across the canopy. Ideal over a 1.2 x 1.2m area.
- ✓ **Full spectrum:** Full-bodied, enhanced red spectrum improves plant growth and flowers.
- ✓ **Silent running:** No fans or moving parts.
- ✓ **Lightweight:** New Slimline design
- ✓ **Dimensions :** 941.6 x 941.6 x 81.2mm
- ✓ **Passive heat dissipation:** No fans, low heat
- ✓ **Remote dimmer included:** 25%-50%-75%-100% power
- ✓ **IP65 ingress protection:** Water resistant
- ✓ **50,000 hours** lifespan
- ✓ **Guaranteed:** Four year warranty

Improved
clip on bars make
assembly a breeze!



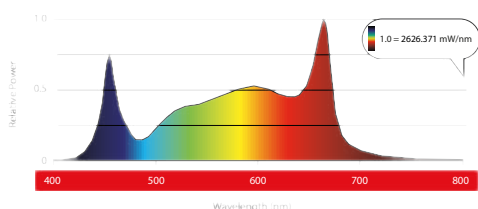
DAYLIGHT 480W PRO

2ND
GEN

High-Quality Diodes

LUMLED white ($3.0 \mu\text{mol/J}$) and Osram red ($3.9 \mu\text{mol/J}$) chips.

The **DAYLIGHT 480W LED PRO** has been upgraded and now has a **total output of $1334 \mu\text{mol/s}$** , and a **fixture efficiency of $2.8 \mu\text{mol/J}$** offering growers even more high-quality full-spectrum light for their money. This unit fits perfectly into a $1.2 \times 1.2\text{m}$ grow area allowing you to achieve ideal light coverage even in 'smaller' locations. Featuring 5 x clip-on bars and packed with all the features of our PRO range of LEDs, the 480W PRO is perfect for growers looking for higher outputs and greater yields in a compact and more versatile unit.



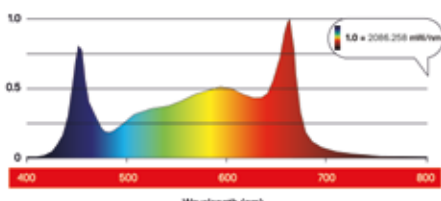
1344 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT 480W

High-Quality Diodes

Lumiled LEDs white ($2.6 \mu\text{mol/J}$) and Osram red ($3.15 \mu\text{mol/J}$) chips.

DAYLIGHT 480W LED fixtures boldly bridge the gap between the higher and lower powered units in the range, meaning they're adaptable to a wide range of applications such as propagation, multi-layer gardening and grow tents/rooms. The **DAYLIGHT 480W LED** boasts a full spectrum of light with a **fixture efficiency of $2.3 \mu\text{mol/J}$** and a **total output of $1104 \mu\text{mol/s}$** .



1104 $\mu\text{mol/s}$
Total Output (PPF)

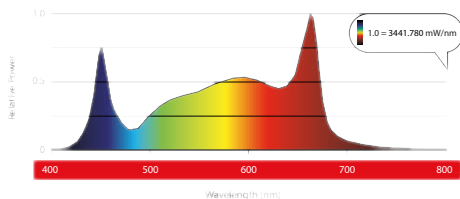
DAYLIGHT 660W PRO

**2ND
GEN**

High-Quality Diodes

LUMLED white (**3.0 $\mu\text{mol/J}$**) and Osram red (**3.9 $\mu\text{mol/J}$**) chips.

The **DAYLIGHT 660W LED PRO (2nd Gen)**, our 'Flagship' high output LED lighting fixture. Now comes with a blisteringly high **PPF of 1848 $\mu\text{mol/s}$** and a **fixture efficiency of 2.8 $\mu\text{mol/J}$** . This unit pushes LED grow lighting to the next level. It's 6 bars of high-efficiency Osram and LUMLED LED chips cover a 1.5 x 1.5m area perfectly, with outstandingly uniform light coverage.



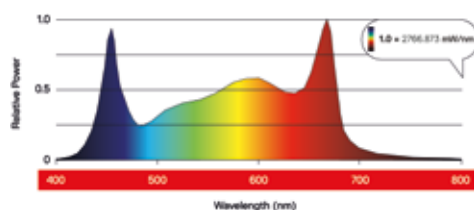
1848 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT 660W

High-Quality Diodes

Lumiled white (**2.6 $\mu\text{mol/J}$**) and Osram red (**3.15 $\mu\text{mol/J}$**) chips.

The **DAYLIGHT 660W LED** features the same outputs that made the original our most successful and popular unit; what sets it apart is the design of the fixture and the host of new features that come along with it. With a **PPF of 1518 $\mu\text{mol/s}$** and a **fixture efficiency of 2.3 $\mu\text{mol/J}$** , you can expect the same exceptional quality of light and improved yield as the original.



1518 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT LED

660W PRO & 660W LED Fixtures

Light distribution optimised for 1.5 x 1.5m area

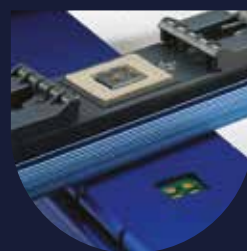


Remote dimmer
included (PRO only)



- ✓ **6 bar system:** Gives highly uniform coverage (PPFD) across the canopy. Ideal over a 1.5 x 1.5m area.
- ✓ **Full spectrum:** Full-bodied, enhanced red spectrum improves plant growth and flowers.
- ✓ **Silent running:** No fans or moving parts.
- ✓ **Lightweight:** New Slimline design
- ✓ **Dimensions :**
1119.6 x 1066 x 71.1mm
- ✓ **Passive heat dissipation:**
No fans, low heat
- ✓ **Remote dimmer included:**
25%-50%-75%-100% power
- ✓ **IP65 ingress protection:**
Water resistant
- ✓ **50,000 hours lifespan**
- ✓ **Guaranteed:** Four year warranty

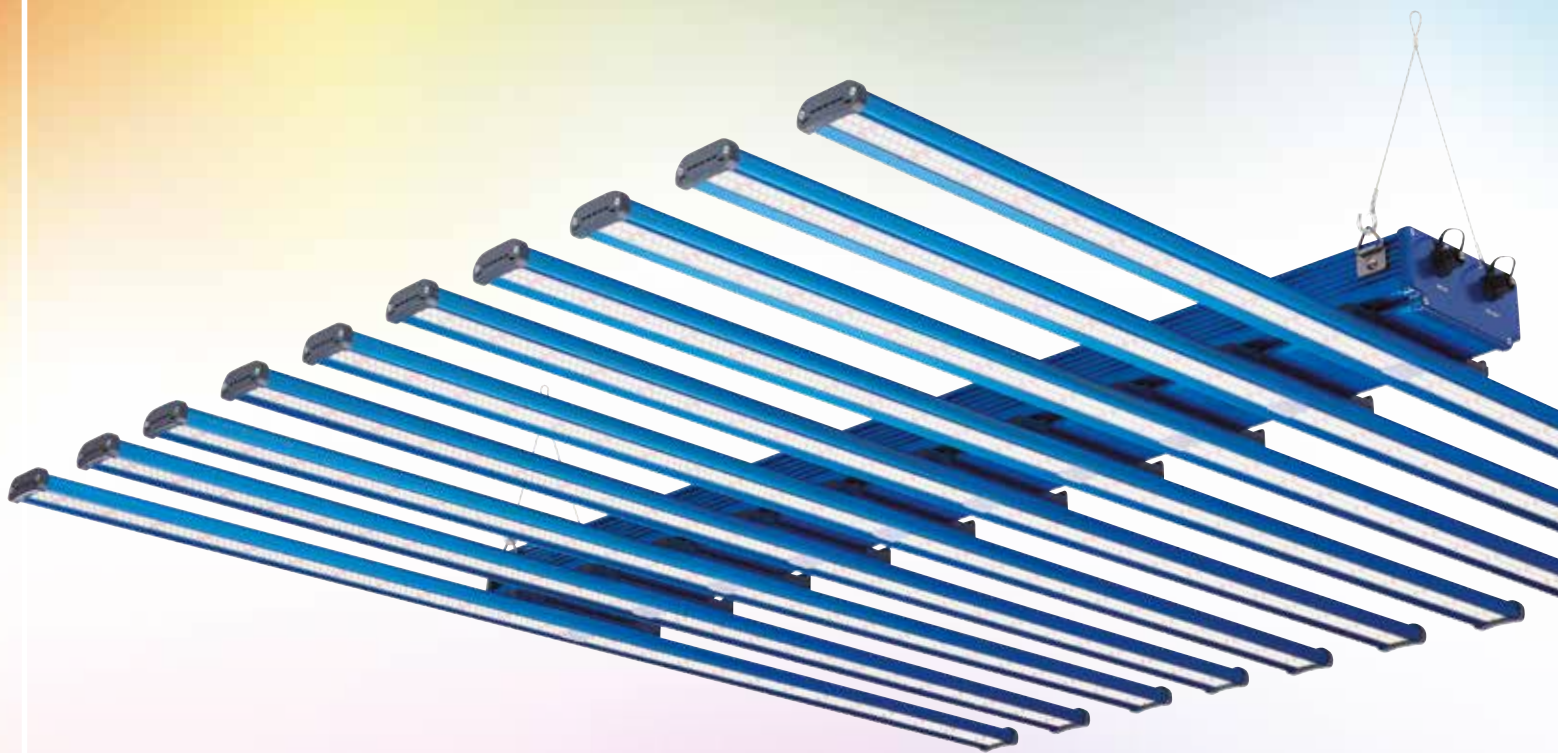
Improved
clip on bars make
assembly a breeze!



DAYLIGHT LED

1030W PRO & 1030W LED Fixtures

Light distribution optimised for up to 1.8 x 1.8m area

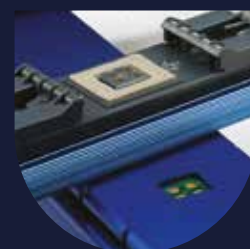


Remote dimmer
included (PRO only)



- ✓ **10 bar system:** Gives highly uniform coverage (PPFD) across the canopy. Ideal up to a 1.8m x 1.8m area.
- ✓ **Full spectrum:** Full-bodied, enhanced red spectrum improves plant growth and flowers.
- ✓ **Silent running:** No fans or moving parts.
- ✓ **Lightweight:** New Slimline design
- ✓ **Dimensions :** 1119.6 x 1065.5 x 80mm
- ✓ **Passive heat dissipation:** No fans, low heat
- ✓ **Remote dimmer included:** 25%-50%-75%-100% power
- ✓ **IP65 ingress protection:** Water resistant
- ✓ **50,000 hours** lifespan
- ✓ **Guaranteed:** Four year warranty

Improved
clip on bars make
assembly a breeze!



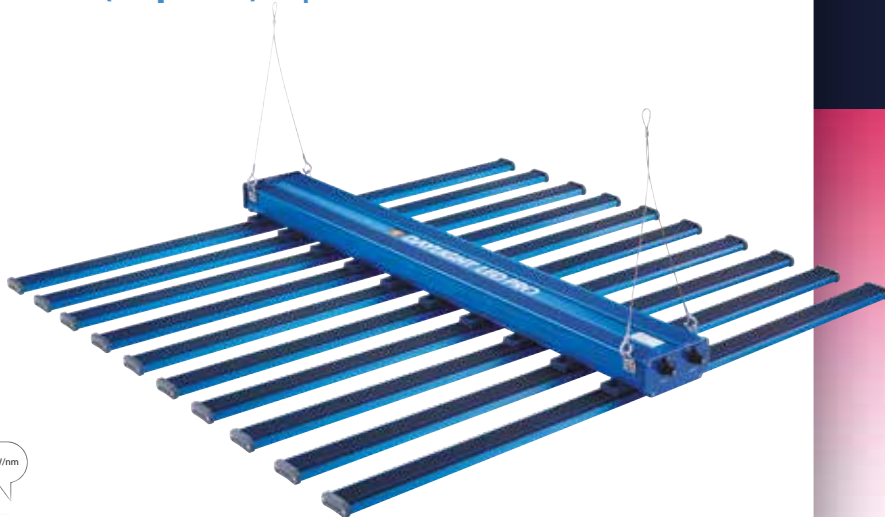
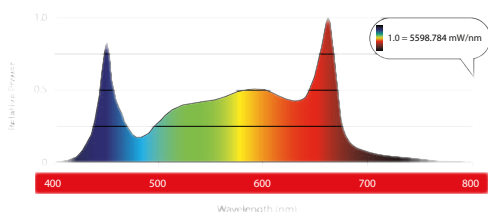
DAYLIGHT 1030W PRO

2ND
GEN

High-Quality Diodes

LUMLED white ($3.0 \mu\text{mol/J}$) and Osram red ($3.9 \mu\text{mol/J}$) chips.

The **DAYLIGHT 1030W LED PRO (2nd Gen)** is our most powerful LED lighting fixture to date. Now with a blisteringly high PPF of **2884 $\mu\text{mol/s}$** and a **fixture efficiency of $2.8 \mu\text{mol/J}$** . This unit continues to push LED grow lighting to the next level. It's 10 bars of high-efficiency Osram and LUMLED LED chips cover a **1.5 x 1.5m** up to a **1.8 x 1.8m** area, with outstandingly uniform light coverage.



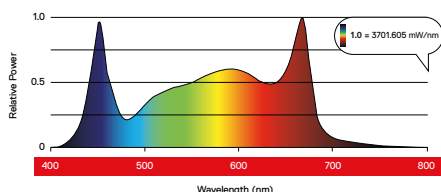
2884 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT 1030W

High-Quality Diodes

LUMLED white ($2.4 \mu\text{mol/J}$) and Osram red ($3.1 \mu\text{mol/J}$) chips.

Our **$2.3 \mu\text{mol/J}$** version of the **DAYLIGHT 1030W LED** packs a huge punch. With a PPF of **2369 $\mu\text{mol/s}$** and all of the features you have come to love about our LED fixtures, including a remote dimmer, IP65 protection for watertight performance, iLink compatibility and slimline design. With 10 x high powered clip on bars, this LED is not to be overlooked if you want to add even more full spectrum light to your grow room.



2369 $\mu\text{mol/s}$
Total Output (PPF)

DAYLIGHT LED

100W PRO LED Single Bar

Ideal as supplementary lighting and propagation

Featuring an impressive output (PPF) of **280 $\mu\text{mol/s}$** of full spectrum light and a fixture efficiency of **2.8 $\mu\text{mol/J}$** . The DAYLIGHT 100W PRO 'Dimmable' LED single bar has high and uniform outputs of rich PAR spectrums. With a slim-line design, this stand-alone fixture seamlessly integrates as a supplemental light alongside existing LED setups or traditional HID systems, or can be used for propagation, dimming the unit as required.

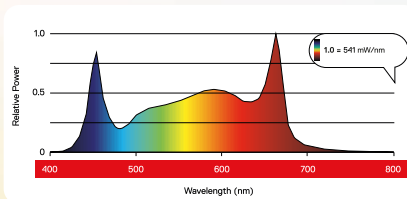


High-Quality Diodes

LUMLED white (3.0 $\mu\text{mol/J}$)

Osram red (4.1 $\mu\text{mol/J}$) chips.

External
Driver with
Dimmer



**2ND
GEN**

280 $\mu\text{mol/s}$
Total Output (PPF)

- ✓ **Full spectrum:** Full-bodied, enhanced red spectrum improves plant growth and flowers.
- ✓ **Dimmable:** 25%-50%-75%-100% power
- ✓ **External LED driver:** Plug and Play
- ✓ **Easy to use** hanging brackets
- ✓ **Ideal** as supplementary lighting or for propagation
- ✓ **IP65 ingress protection:** Water resistant. IP40 rated driver
- ✓ **Silent running:** No fans or moving parts
- ✓ **50,000 hours** lifespan
- ✓ **Lightweight:** Slimline design
- ✓ **Guaranteed:** Three year warranty
- ✓ **Dimensions :** 1119.6 x 53 x 20mm

DAYLIGHT LED

UV and Far Red LED Bars

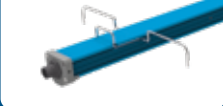
Supplementary UV and Far Red lighting



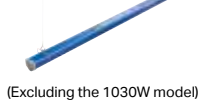
Benefits of UVA in Plant Lighting

- Increase photosynthetic rates when supplied in conjunction with PAR light
- Stronger, more robust seedlings / cuttings in propagation
- Offset the stretching effect of far-red
- Help ward off pests
- More accurately recreate lighting diet of higher altitude species
- Stimulate more, flavonoids, stilbenes and other beneficial compounds

Includes hanging brackets



Can be used independently



(Excluding the 1030W model)

Attaches easily to DAYLIGHT 480W & 660W fixtures



(Excluding the 2019 model)

Benefits of UVB in Plant Lighting

- Increase photosynthetic rates when supplied in conjunction with PAR light
- Strengthens plant so that it can cope with and exploit higher light intensity
- Stimulate the UVR8 plant gene which can trigger essential oil production and boost crop quality
- Offset the stretching effect of far-red
- Thickens leaf tissue and waxiness—making it harder for pests and pathogenic fungi to get a foothold
- Sterilises water-borne bacteria and associated mould spores
- More accurately recreate lighting diet of higher altitude species
- Stimulate more, flavonoids, stilbenes and other beneficial compounds

- ✓ **High quality LED chips**
- ✓ **Internal LED driver:** Plug and Play
- ✓ **Ideal** as supplementary lighting
- ✓ **Attach to DAYLIGHT LED** lighting fixtures(480W/660W) or use independently
- ✓ **Silent running:** No fans or moving parts

- ✓ **Lightweight:** Slimline design
- ✓ **Dimensions :** 1131.5 x 46.2 x 40.3mm
- ✓ **Passive heat dissipation:** No fans, low heat
- ✓ **Easy to use** hanging brackets
- ✓ **IP65 ingress protection:** Water resistant

- ✓ **60W 100% UVA LED**
5'000 hour lifespan
Light Radiation: UVA: 20000mW
- ✓ **60W 40% UVA 60% UVB LED**
5'000 hour lifespan
Light Radiation: 6600mW
(UVA: 6200mW UVB: 400mW)
- ✓ **60W Far Red LED**
Osram LED red chips
30'000 hour lifespan
2.3 umol/J
138 umol/s



DAYLIGHT Cables and Accessories

FOR DAYLIGHT LED and CMH Systems



LED to LED iLink Cable (2m or 5m)

- Link up to 10 x LEDs via iLink cables using dimmer
- Link up to 100 x LEDs via iLink cables and the DAYLIGHT Lighting controller
- Excluding 200W and 300W 2.3 µmol/s units



Controller to LED Signal Cable (5m)

- Replacement cable to link LEDs to the DAYLIGHT Lighting controller
- Excluding 200W and 300W 2.3 µmol units



LED Power Cable Extension (5m)

- Extend LED power cable to 9m
- For 480W/660W/1030W Daylight LED



PGZ18 to E40 Lamp Holder Adapter

- Lamp holder adapter PGZ18 to E40
- For DAYLIGHT 315W CMH systems



DAYLIGHT Lighting Controller

For DAYLIGHT LED and CMH iLink Power Packs

Link & Control Multiple LED Fixtures



DAYLIGHT LIGHTING CONTROLLER

Precise and versatile LED lighting control, right at your fingertips.

The DAYLIGHT Lighting Controller has been designed and manufactured to power your LED grow lights. With sunrise/sunset options, dimming on overheat or simply control the times of banks of LED lights with ease, this unit has you covered.

Connected via iLink ports, you can daisy chain multiple lighting fixtures together and control them all from the one unit with the simple touch of a button.

Key Features:

- On/Off 24hr timer
- Controls: DAYLIGHT 315W HID, 200W PRO, 300W PRO, 480W, 660W and 1030W LEDs
- Dimming range (1% increments)
LED - 20%-100% HID - 50%-100%
- Sunset and sunrise settings: 0-30 mins
- Two zones (A & B) controlled independently
- Control for 400 HID ballasts or 100 LED drivers
- Max HID ballasts per zone: 200

- Max LEDs per zone: 50
- Temperature safety control
- Thermostatically controlled dimming

Includes:

- 1 x DAYLIGHT lighting controller
- 1 x Power cable, 2 x temperature sensors
- 2 x HID iLink cables , 2 x LED iLink cables



315W CMH Power Pack

DAYLIGHT 315W CMH/CDM Full Spectrum Technology

DAYLIGHT Lighting Systems offer a professional solution for every grower; consistently optimal performance, unrivalled efficiency and a proven track record in manufacturing high-quality plant lighting products.



Key Features:

- Specifically designed to run DAYLIGHT 315W CMH lamps correctly
- Low frequency squarewave ballast
- Small, lightweight & silent running
- Soft start technology
- End of lamp life detection
- Dynamic frequency control
- Short circuit protection
- Thermal protection

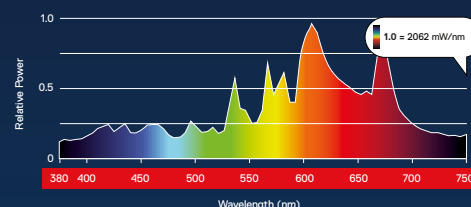


600W CMH Lamps

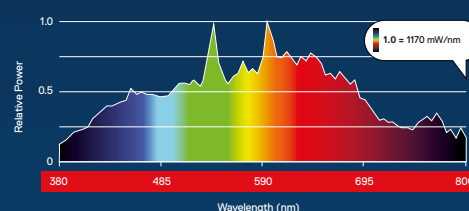
3K Agro & 4K Elite

COMPATIBLE WITH 600W MAGNETIC & DIGITAL POWER PACKS

DAYLIGHT 600W CMH lamps come with a familiar E40 screw fitting, ready to integrate exclusively into your existing 600W power packs. With an efficiency of $1.6 \mu\text{mol/J}$ and an enhanced red, full PAR spectrum, there is literally no easier way to increase terpenes, quality and yield than with a quick switch to a DAYLIGHT 600W CMH 3K Agro or 4K Elite lamp.



E40 Fixing
3K Agro
1.6 $\mu\text{mol/J}$
90 CRI
960 PPF



E40 Fixing
4K Elite
1.6 $\mu\text{mol/J}$
97 CRI
960 PPF

Key Features:

Compatible with 600W digital and magnetic power packs.

Increases flavenoids and terpene content of essential oils.

Familiar E40 screw fitting. Use with most 600W lighting systems.

600W
FULL
SPECTRUM

Please note: After extensive testing we found that the 600W CMH lamps are compatible on all current electronic ballasts, excluding Bay 6 and SL Digital

More Flower, Less Power



www.growwithdaylight.co.uk