

DIMLUX PRO SPECIFICATIONS



PRO SERIES 1000W	347-400V EXCEEDCONN	208-240V SMART IEC	208-277V SMART EXCEEDCONN	277-347V SMART EXCEEDCONN	347-400V SMART EXCEEDCONN
Article No.	2-733	2-734	2-735	2-736	2-737
Voltage:	400V	230V	277V	277V	400V
Input power @100%:	1032W	1035W	1032W	1032W	1032W
Input current @100%:	2.58A	4.5A	4.5A	3.7A	2.58A
Input power @boost:	1187W	1242W	1242W	1187W	1187W
Input current @boost:	2.97A	5.4A	5.4A	4.25A	2.97A
Input frequency:	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power factor:	>0.95	>0.95	>0.95	>0.95	>0.95
System PPF@1000W:	2016µmol/s	2016µmol/s	2016µmol/s	2016µmol/s	2016µmol/s
System PPE@1000W:	1.95µmol/J	1.95µmol/J	1.95µmol/J	1.95µmol/J	1.95µmol/J
System PPF@1150W:	2339µmol/s	2339µmol/s	2339µmol/s	2339µmol/s	2339µmol/s
System PPE@1150W:	1.97µmol/J	1.97µmol/J	1.97µmol/J	1.97µmol/J	1.97µmol/J
Ultra High Frequency (UHF):	Yes	Yes	Yes	Yes	Yes
Controller:	By WiFi – Maxi Controller	By WiFi – Maxi Controller	By WiFi – Maxi Controller	By WiFi – Maxi Controller	By WiFi – Maxi Controller
Measurements:	538x248x115mm 21.18x9.76x4.52inch	538x248x115mm 21.18x9.76x4.52inch	538x248x115mm 21.18x9.76x4.52inch	538x248x115mm 21.18x9.76x4.52inch	538x248x115mm 21.18x9.76x4.52inch
Weight:	4.1kg	4.1kg	4.1kg	4.1kg	4.1kg
Powercords available to order:	2mt, 5mt, 10mt EPO30 open leads	4mt IEC EU Plug 4mt IEC UK Plug 5mt IEC 240V USA Plug	2mt, 5mt, 10mt EPO30 open leads 4mt EPO30 240V USA Plug 4mt EPO30 L7-15 USA plug	2mt, 5mt, 10mt EPO30 open leads 4mt EPO30 L7-15 USA plug	2mt, 5mt, 10mt EPO30 open leads

INTRODUCING THE NEW DIMLUX PRO SERIES



THE FUTURE OF GROWING JUST GOT BRIGHTER.



Highest reflector efficiency in the horticultural industry!
+96%

System PPF @ 1150W
2339µmol/s



DIMLUX

PRO SERIES



Dimlux introduces the PRO Series. The PRO Series is optimized for greenhouse horticulture, but can also be used in indoor facilities. The PRO Series outperforms every other horticultural luminaire available. Only for indoor facilities are the MKII Expert Series and the Xtreme LED series superior.

The Dimlux PRO Series combines the best of both worlds. The ULTRA Optics 96 reflector in combination with the newly designed high efficiency ballast is a complete fixture with the highest reflector efficiency and light output on the market.

The dimlux Pro has a passively cooled Ultra Optics reflector in order to get the optimum lamp temperature and highest light output. By using Miro 95 (99.99% aluminium) instead of Miro Silver for the reflector, we prevent deterioration in high humidity and when scratched. The Ultra Optics reflector is available in 3 different styles of reflectors, Hybrid (default), Deep, and Wide, and can be changed quickly and easily, even at heights.

The ballast is ready for the new digital controller platform, and the software is upgradable. The Pro series has a closed ballast instead of an open ballast. This protects the ballast from moisture.

The Geo Membrane equalizes the pressure inside and outside the ballast, while still preventing condensation on the electronics. The vertically mounted ballast will decrease the amount of daylight blocked by the fixture. We have done daylight simulations in CAD and this design had the least light interception during a full daylight cycle.

The output of the Dimlux Pro Series can be controlled up to 115%, both by using the dim button and by remote control. With the manual power settings 500, 600, 700, 800, 900, 1000, 1075 and 1150W you have a wide range of settings available.

Status and alarms are displayed on a Four-character display making your Dimlux Pro even easier to use.



CLOSED & VERTICAL BALLAST

The Pro series has a closed ballast instead of an open ballast. This protects the ballast from moisture. The ballast is mounted vertically to decrease the amount of daylight which is blocked by the fixture. We have done daylight simulations in CAD and this design had the least light interception during a full daylight cycle.

SMART BALLAST

The ballast is software upgradable and ready for the new digital controller platform.

GEO MEMBRANE

This helps equalizing the pressure inside and outside the ballast, this is to prevent moisture getting into the ballast when cooling off.

SPIRIT LEVEL

Because the illuminated surface in a greenhouse is much bigger than indoors, leveling the Pro series is more important to create good uniformity and to prevent shadows.

WHITE COLOR

In order to prevent overheating the ballast by light absorption, and to reflect more usable light to the canopy instead of absorbing it.



EASY REMOVABLE & PASSIVELY COOLED

ULTRA OPTICS REFLECTOR

Because the easier it is, the quicker it can be replaced, especially when the reflector will be changed at heights for replacement or cleaning. Available with 3 different styles of reflectors, Hybrid (default), Deep, and Wide. The reflector is passively cooled In order to get the optimum lamp temperature and highest light output.

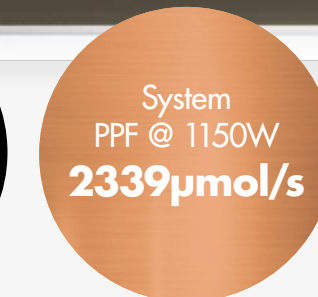
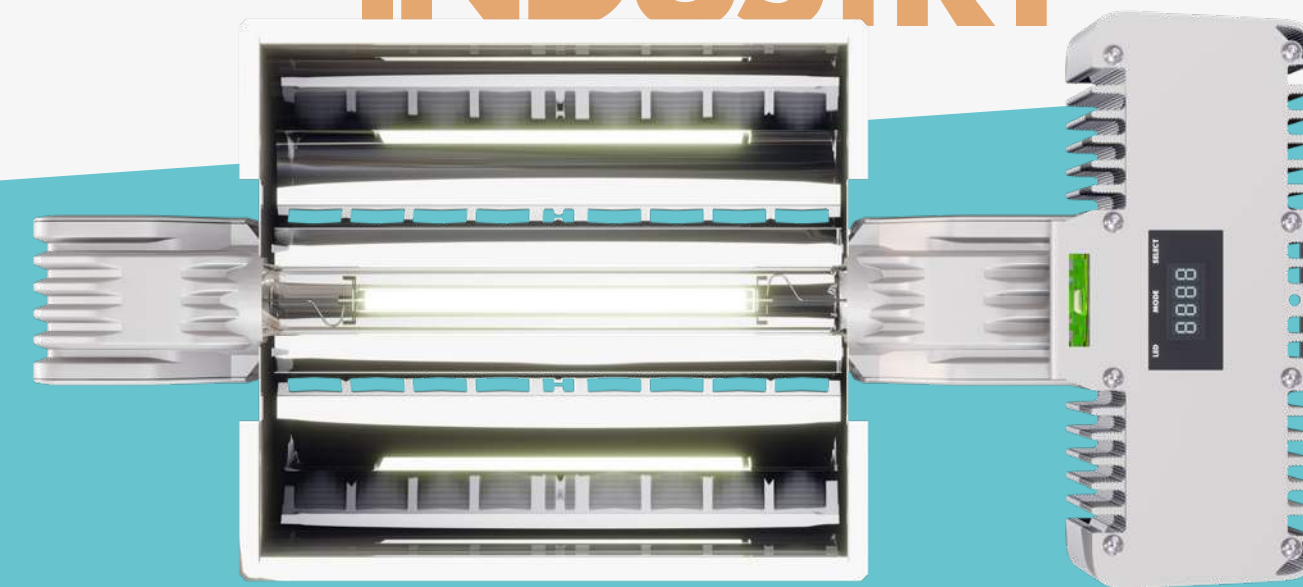
MIRO 95

The fixture has a Miro 95 (99.99 aluminium) instead of Miro Silver reflector. Silver could deteriorate in high humidity and when scratched.

SBCS

The main goal in designing the Ultra Optics Reflector was to achieve the highest efficiency (light output) possible. It's designed according to the SBCS (Single Bounce Clear Sight) principle which means that each light ray reflects only a single time in the reflector before exiting (Single Bounce). After reflection, the beam is not hindered by the lamp or other parts (Clear Sight)

A COMPLETE FIXTURE WITH THE HIGHEST REFLECTOR EFFICIENCY AND LIGHT OUTPUT IN THE HORTICULTURAL INDUSTRY



PROTECTIVE MAGNETIC LAMP HOLDER CAPS

These caps prevent touching the lamp holder when the lamp is hot. It is both an electrical and fire safety measure. It also ensures the lamp holders are properly closed when the caps are installed.

4 CHARACTER DISPLAY WITH A DIM BUTTON AND BOOST

4-character status display with scrolling text. Status and error codes are fully displayed on this display. Status and error codes are now complete instead of a cryptic number.

DIM BUTTON

The output of the Dimlux Pro Series can be controlled up to 115%, both by using the dim button and by remote control.

MANUAL POWER SETTINGS

500, 600, 700, 800, 900, 1000, 1075 and 1150W.



THE FUTURE OF GROWING
JUST GOT BRIGHTER.