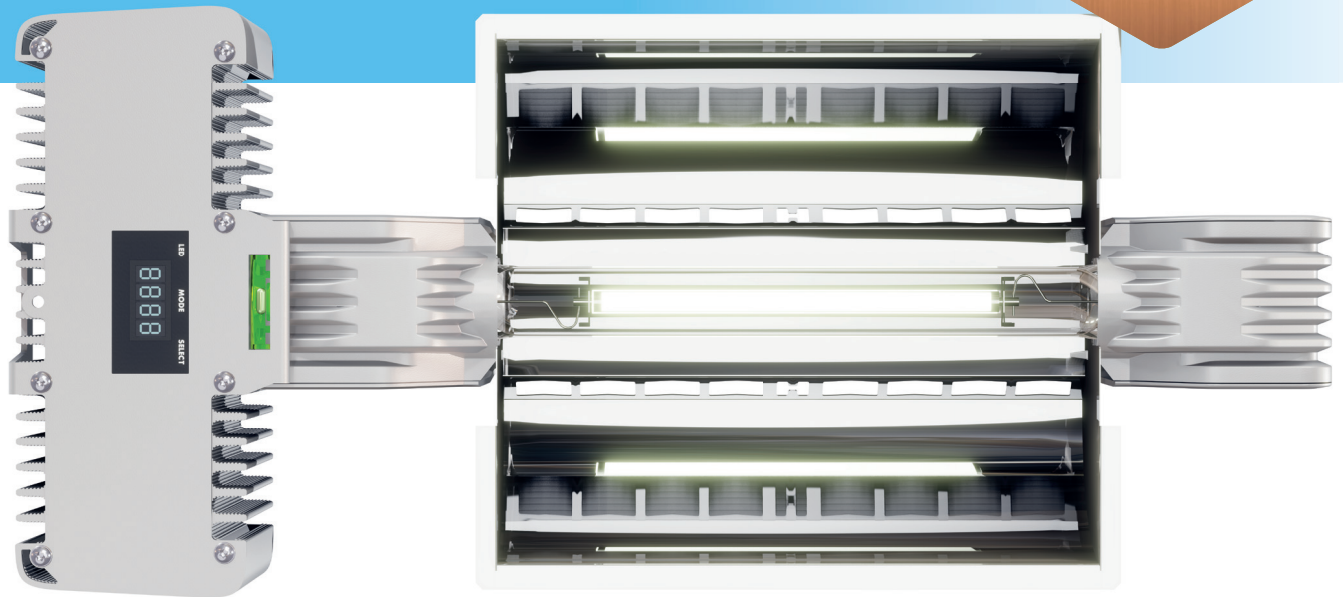


INTRODUCING THE NEW DIMLUX PRO SERIES



Highest reflector efficiency in the horticultural industry!

+96%

System
PPF @ 1150W
2339 μ mol/s

DIMLUX



DIMLUX PRO

SPECIFICATIONS

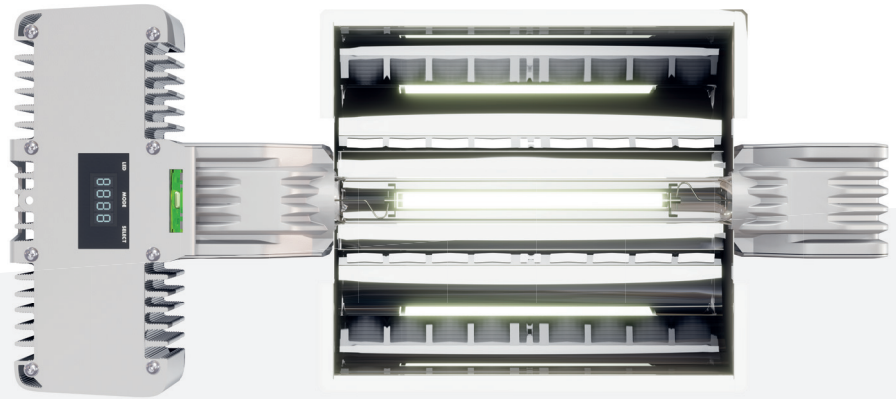


PRO SERIES 1000W

347-400V EXCEEDCONN

208-240V SMART IEC

Article No.	2-733	2-734
Voltage:	400V	230V
Input power @100%:	1032W	1035W
Input current @100%:	2.58A	4.5A
Input power @boost	1187W	1242W
Input current @boost:	2.97A	5.4A
Input frequency:	50/60 Hz	50/60 Hz
Power factor:	>0.95	>0.95
System PPF@1000W:	2016 μ mol/s	2016 μ mol/s
System PPE@1000W:	1.95 μ mol/J	1.95 μ mol/J
System PPF@1150W:	2339 μ mol/s	2339 μ mol/s
System PPE@1150W:	1.97 μ mol/J	1.96 μ mol/J
Ultra High Frequency (UHF):	Yes	Yes
Controller:	By WiFi – Maxi Controller	By WiFi – Maxi Controller
Measurements:	538x248x115mm 21.18x9.76x4.52inch	538x248x115mm 21.18x9.76x4.52inch
Weight:	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



**208-277V
SMART EXCEEDCONN**

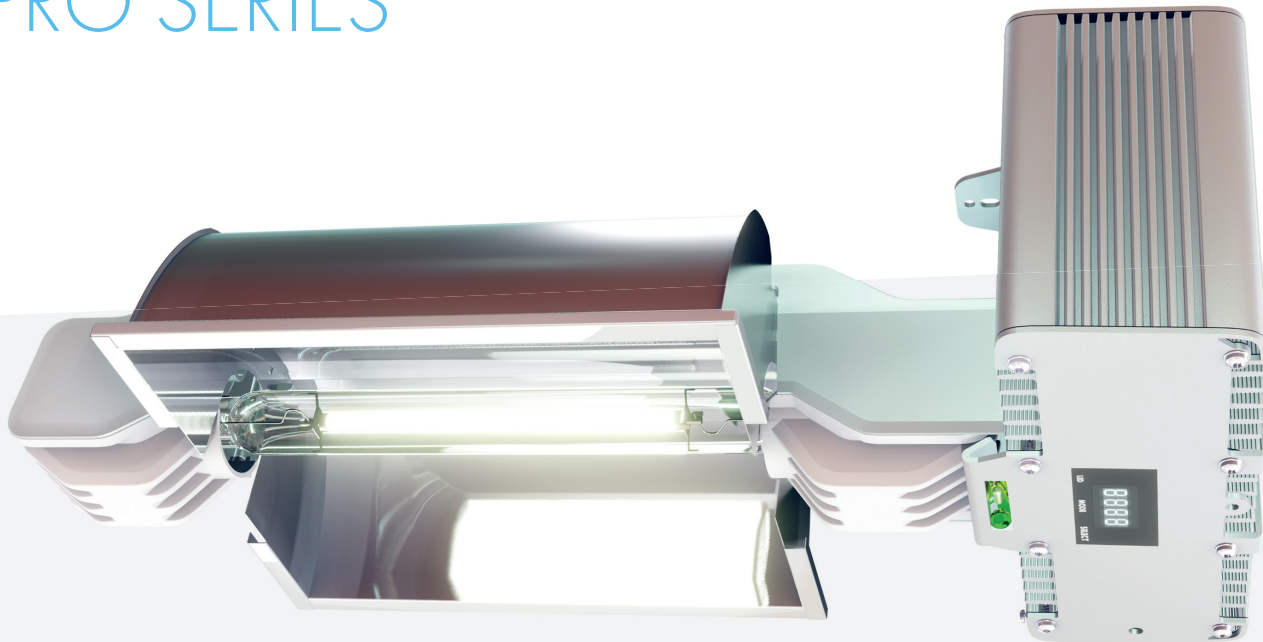
**277-347V
SMART EXCEEDCONN**

**347-400V
SMART EXCEEDCONN**

2-735	2-736	2-737
277V	277V	400V
1032W	1032W	1032W
3.7A	3.7A	2.58A
1187W	1187W	1187W
4.25A	4.25A	2.97A
50/60 Hz	50/60 Hz	50/60 Hz
>0.95	>0.95	>0.95
2016µmol/s	2016µmol/s	2016µmol/s
1.95µmol/J	1.95µmol/J	1.95µmol/J
2339µmol/s	2339µmol/s	2339µmol/s
1.97µmol/J	1.97µmol/J	1.97µmol/J
Yes	Yes	Yes
By WiFi – Maxi Controller	By WiFi – Maxi Controller	By WiFi – Maxi Controller
538x248x115mm	538x248x115mm	538x248x115mm
21.18x9.76x4.52inch	21.18x9.76x4.52inch	21.18x9.76x4.52inch
4.1kg	4.1kg	4.1kg
2mt, 5mt, 10mt EPO30 open leads	2mt, 5mt, 10mt EPO30 open leads	2mt, 5mt, 10mt EPO30 open leads
4mt EPO30 240V USA Plug	4mt EPO30 L7-15 USA plug	
4mt EPO30 L7-15 USA plug		

DIMLUX

PRO SERIES



Dimlux develops and manufactures tailored lighting solutions for urban farming and small scale production and large scale horticulture. With decades of experience our engineers have combined the newest techniques and innovations to create the most advanced complete lighting system on the market.

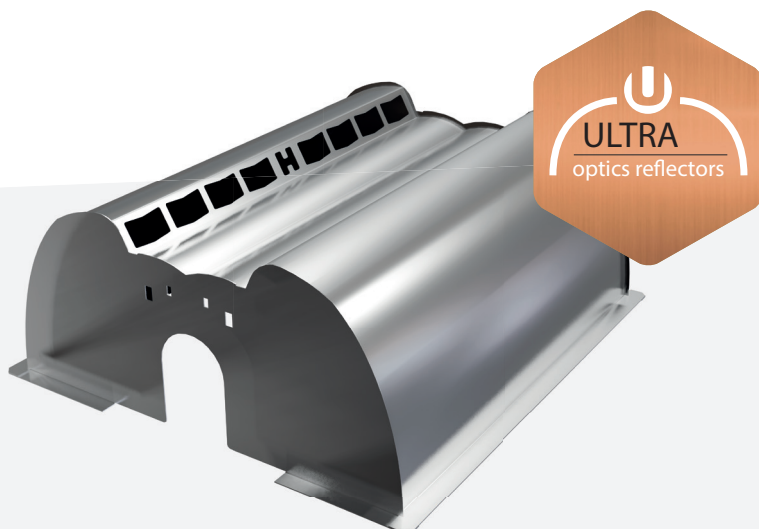
The Dimlux Pro has a passively cooled Ultra Optics reflector in order to get the optimum lamp temperature and highest light output. By using Miro 95 (99,99 aluminium) instead of Miro Silver for the reflector, we prevent deterioration in high humidity when scratched. The Ultra Optics reflector is available in 3 different styles of reflectors, Hybrid (default), Deep and Wide and can be changed quickly and easily, even at high heights.

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

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 more easy to use (except for the analogue version).



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 to equalize 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.

EASY REMOVABLE & PASSIVELY COOLED ULTRA OPTICS REFLECTOR

Because the easier it gets the better and quicker it is especially when the reflector will be changed at high 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 when scratched.

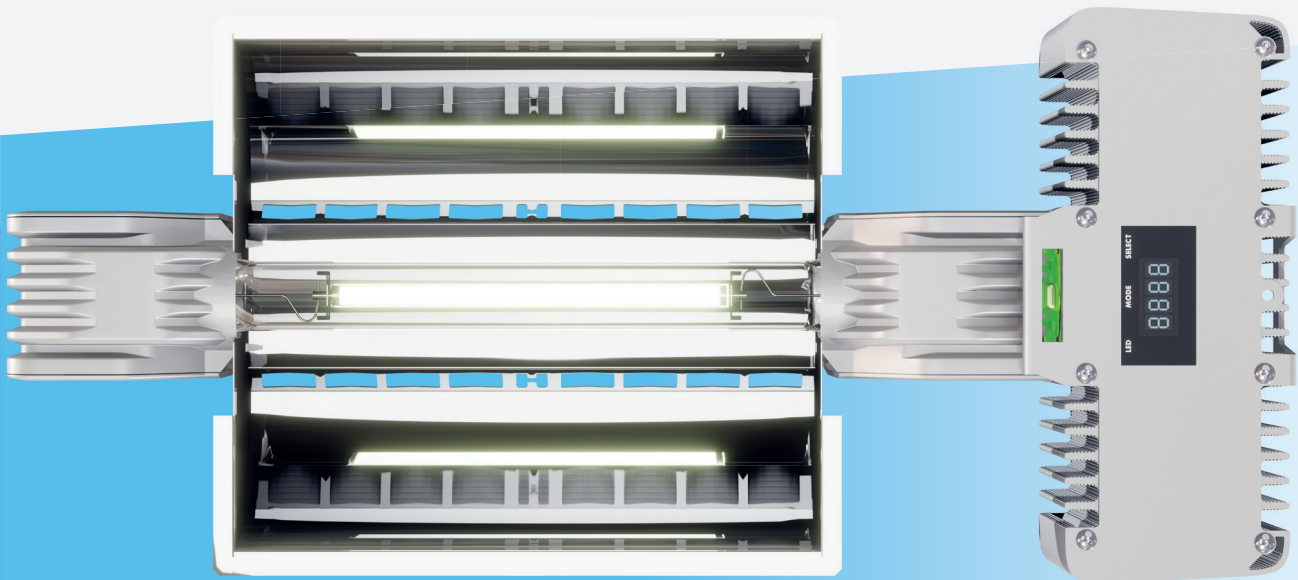
SBCS

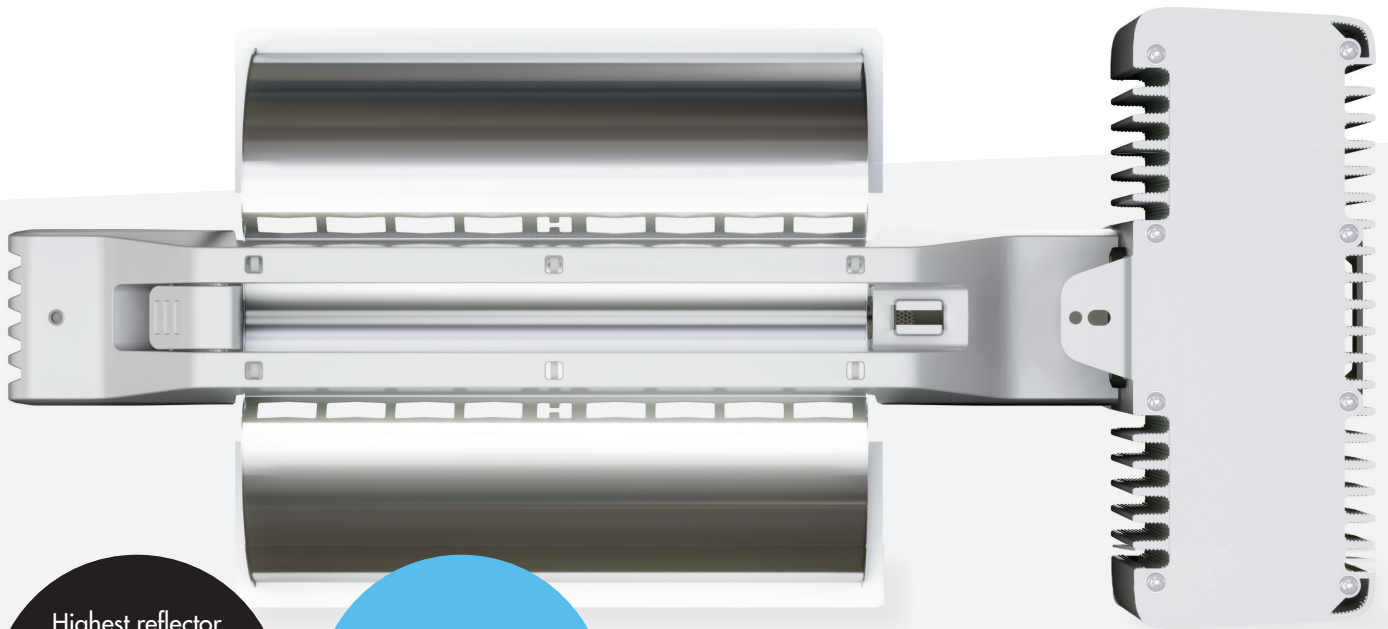
The main goal in designing the Ultra Optics Reflector was to achieve the highest efficiency (light output) possible. It's designed according to the SBCS (Single Bounce Clear Sight) principle which

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.

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





Highest reflector efficiency in the horticultural industry!

+96%

System
PPF @ 1150W
2339 μ mol/s

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 assures the lamp holder is properly closed when the caps are installed.

4 CHARACTER DISPLAY WITH A DIM SWITCH 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 Climate Factory SWE SLU

Calle Castellar 5
08540 Centelles, Barcelona
Spain

www.theclimatefactory.es

info@theclimatefactory.es
+34 932 20 28 85

The Climate Factory GmbH

Daimlerstraße 50a
47574 Goch
Germany

www.theclimatefactory.de

info@theclimatefactory.de
+49 2823 945 3001

The Climate Factory BV

Steenweg op Hoogstraten 72 Unit 6
2330 Merksplas
Belgium

www.theclimatefactory.be

info@theclimatefactory.be
+32 144 80 224

