NEW!

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MITRA FLEX

A Flexible Far Red Light for Targeted Crop Strategies
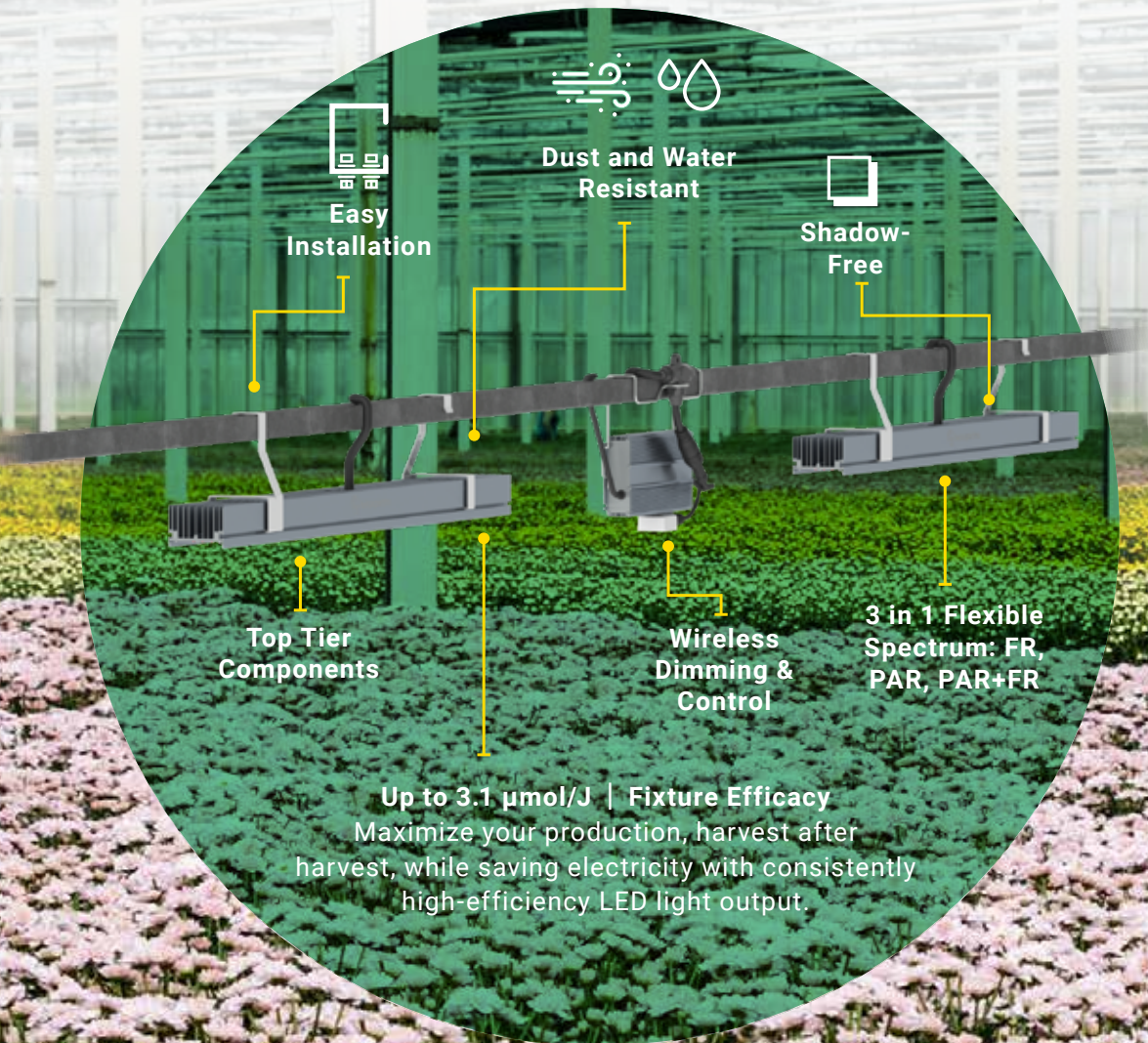
Easy Installation

Dust and Water Resistant

Shadow-Free

Top Tier Components

Wireless Dimming & Control

3 in 1 Flexible Spectrum: FR, PAR, PAR+FR

Up to 3.1 µmol/J │ Fixture Efficacy
Maximize your production, harvest after harvest, while saving electricity with consistently high-efficiency LED light output.

MITRA Flex

FLEXIBLE FAR RED | WIRELESS DIMMING | 3 IN 1 SPECTRUM

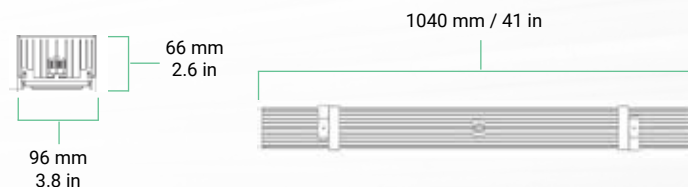| PHYSICAL	MI65XR40, MI65XR40F, MI65XR60, MI65XR60F, MI65XR80
Weight	8.8 kg (19.5 lbs)
Measurements	1040 x 96 x 66 mm | 41 x 3.8 x 2.6 in (LxWxH)
Mounting	Chain-bracket* or C-bracket*
Temperature	Operating: -10-45°C (14-113°F) Storage: -20-70°C (-4-158°F)
Humidity	10-95% RH
Heat Value (incl. PSU)	Max: 2290 BTU/h
IP Rating	IP66
Lifetime (Q90)	>54 000 h
Cooling	Passive - Convection cooled
Beam Angle	120°
Housing Material	Anodized aluminum heatsink Highly transmissive silicone coating SJOW cables and PA66 connectors
Compliance	CE, UKCA, cETLus, and Damp Location
Warranty	5 years

*Available as part of a mounting kit

CERTIFICATIONS
Pending Certifications

FIXTURE DIMENSIONS

Cable 0.1m / 3.9in
PSU Connector
Cable 1.8m / 70.9in
LED Lamp Module
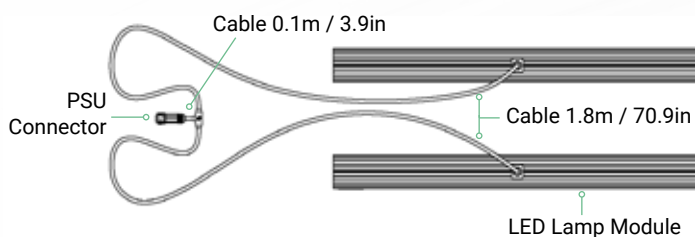
Maximum distance between LED Lamp Modules: 3.4m / 11.2ft

66 mm 2.6 in
96 mm 3.8 in
1040 mm / 41 in

MOUNTING SOLUTIONS

MITRA X Chain-bracket (MIKIT01)

4 x

Components	4 pcs Chain-bracket
Weight	170 g (6 oz)
Maximal chain diameter	3 mm (0.12 in).

MITRA X C-bracket (MIKIT02)

4 x   2 x

Components	4 C-brackets, 2 C-hooks
Weight	200 g (7 oz)
Inner width of bracket	42 mm (1.65 in)

MITRA X Center Profile (MIKIT03)

1 x   2 x

Components	2 C-hooks, Center Profile
Weight	580 g (7 oz)
Inner width of bracket	42 mm (1.65 in)

ELECTRICAL	MI65XR40FLEX, MI65XR60FLEX	MI65XR40FLEX , MI65XR60FLEX
PSU	EUM-680S15AM	ESM-680S15AM
Input voltage range	90 - 305VAC	249 - 528 VAC
Input current range	2.3 - 5.6 A	1.4 - 2.4 A
Frequency	50/60 Hz	50/60 Hz
Power factor	> 0.98	> 0.97
THD	< 10%	< 10%
Dimming	ADEPHI WIFI/LORA	ADEPHI WIFI/LORA

(!) Values are pending awaiting 3rd party verification.

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MITRA Flex

FLEXIBLE FAR RED | WIRELESS DIMMING | 3 IN 1 SPECTRUM

SPECTRUM & OUTPUT

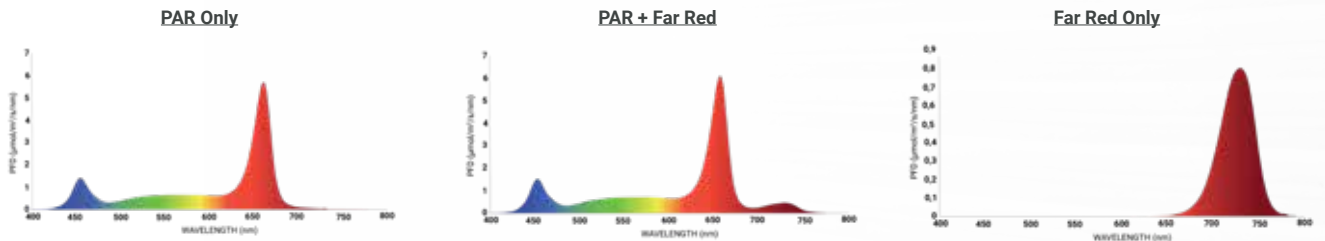| OUTPUT	helioSPEC R40FLEX	helioSPEC R60FLEX
Products	MI65XR40FLEX	MI65XR60FLEX
Power (W)	650	660
Light PAR output (µmol/s)	1867	1593
Light FR-RED output (µmol/s)	-	255
Light combined output (µmol/s)	-	2058
Efficacy (µmol/J)	-	3,1

Wireless dimming & helioCORE compatible

Automate and control light intensity, divide into growth zones, and set DLI targets to gain consistency, energy savings, and high quality crops year-round with the Adelphi connector and helioCORE light control systems.
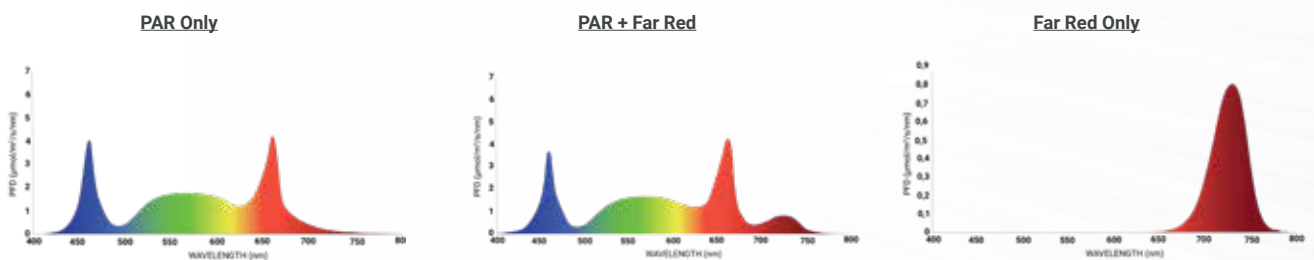

VAILABLE SPECTRUM

helioSPEC R60 Flex

PAR Only

PAR + Far Red

Far Red Only

helioSPEC R40 Flex

PAR Only

PAR + Far Red

Far Red Only

Targeted Crop Strategies with flexible Far Red

MITRA Flex allows growers to use targeted crop strategies with its flexible Far Red by combining three spectra in one without losing power. Allowing it to cater to a wide variety of crops and crop stages. Applications include;

- End of day Far-red treatments
- Far-red enriched spectrum for end of production or full crop cycle
- Inducing flowering, increase the number of flowers
- Speed up Growth
- PAR only for crop production, and vegetative phase

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MITRA Flex

PSU OPTIONS AND TECHNICAL OVERVIEW
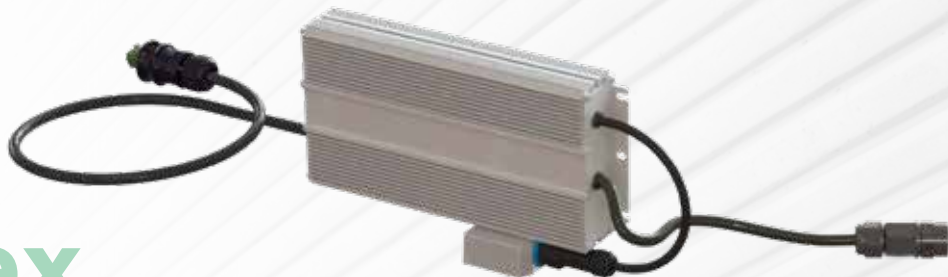
PHYSICAL

Size	275 mm x 135 mm x 46 mm | in (L x W x H)
Weight	3 kg (6.6 lbs)
Mounting	C-hook*

* Available as part of mounting kit

GENERAL

Temperature	Operating: -10-45°C (14-113 F) Storage: -20-70°C (-4-158 F)
Humidity	10-95% RH
IP Rating	IP66, IP67
Lifetime	EUM-680S15AM: 67 000 h ESM-680S15AM: 50 000 h
Dimming	ADELPHI WIFI / LORA
Cooling	Passive - Convection cooled
Housing Material	Anodized aluminum PSU SJOW cables and PA66 connectors
Cable Lenghts	Power cable: 0.6 m / 23.6 in Lamp cable: 0.23 m / 9.0 in Dimming cable: 0.31 m / 12.2 in
Plug-options	Wieland RST20i3
Compliance	CE, UKCA, cETLus, and Damp Location
Warranty	5 years

PSU DIMENSIONS

Power Cable 0.6m / 23.6in

275 mm / 10.8 in

Adelphi unit

Lamp Cable 0.23m / 9.0in

Lamp Connector

Front View

Top View

46 mm / 1.8 in

210 mm / 8.3 in

Side View
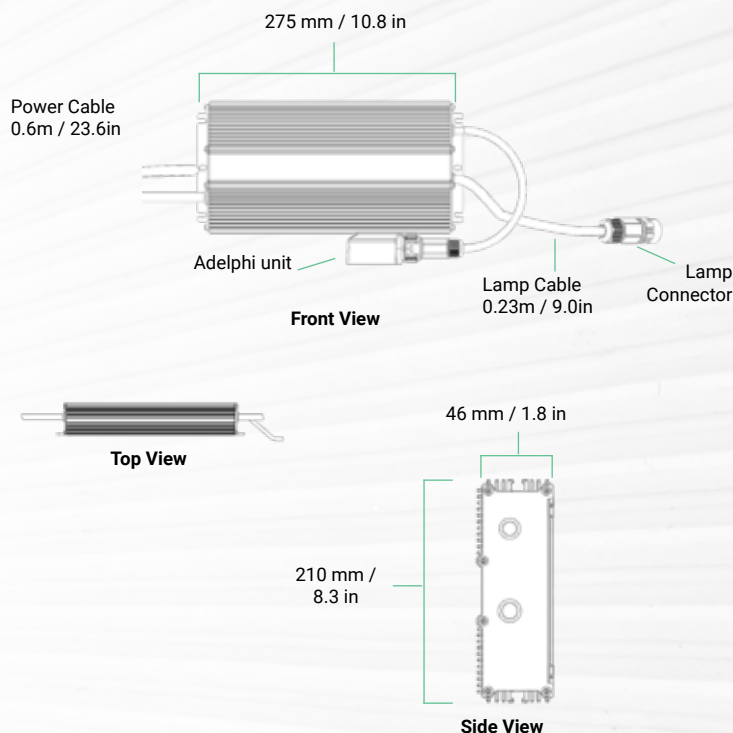
MOUNTING SOLUTIONS

MITRA X PSU HANGER

1 x

Components	1 pcs PSU Hanger
Weight	80 g (2.8 oz)
Inner width of c-hook	42 mm (1.65 in)

Adelphi Wireless Connector
True wireless dimming and control in your greenhouse

Built for a large scale greenhouse installations, the Adelphi is a wireless communication module used for controlling LED lighting fixtures. Connected to the PSU (power supply unit), the Adelphi provides a 0-10V PWM signal to dim the lights when needed. Our long range radio protocol secure a stable network for your grow, and allow us to run up to 9000 units.

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Redefine Nature's Potential

(!) Values are pending awaiting 3rd party verification.

Subject to change without notice. Tolerance ±10%

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