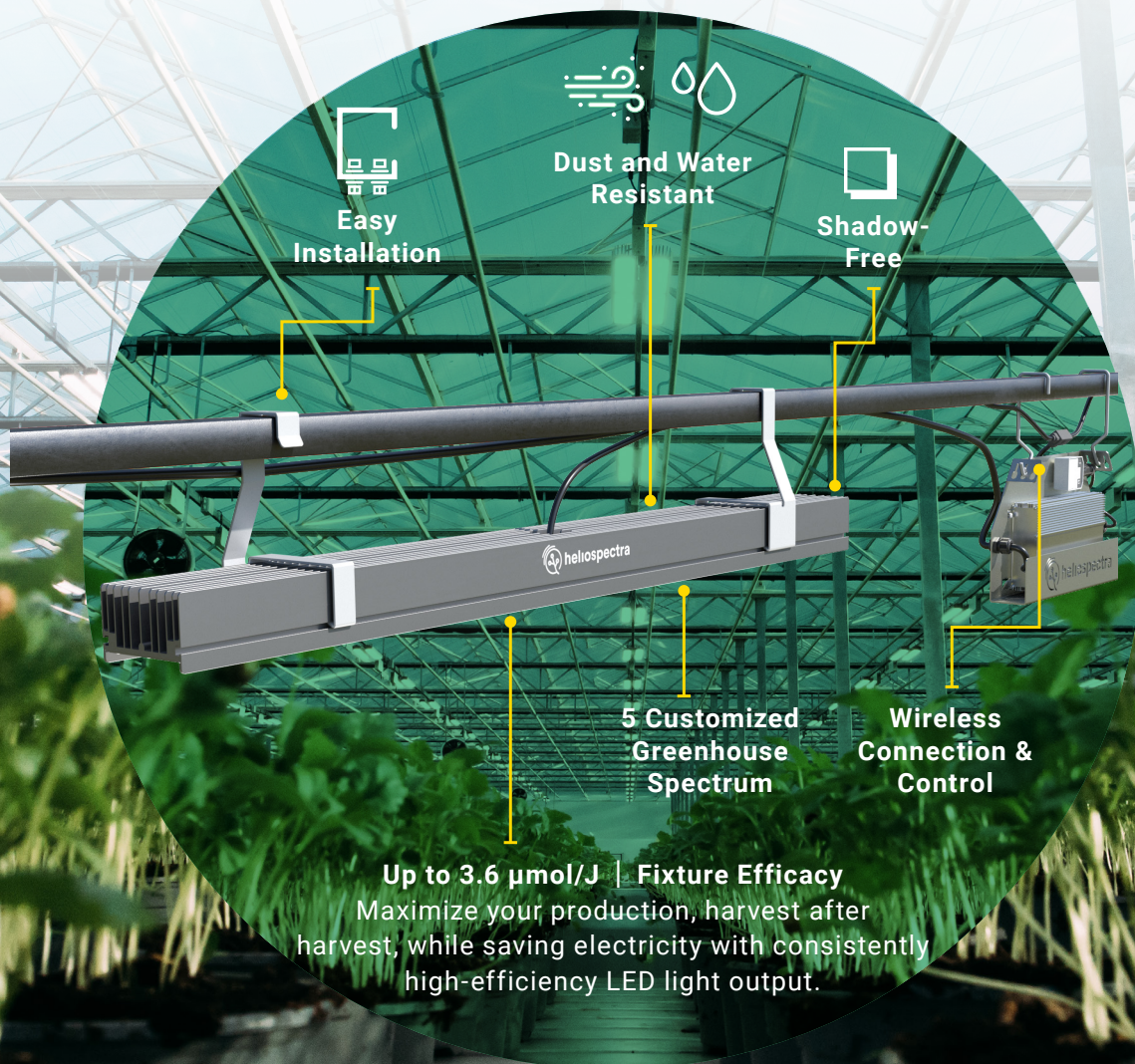


MITRA

Meet the New Generation MITRA Designed for Commercial Greenhouse Application



MITRA X

POWERFUL | DIMMABLE | MULTIPLE SPECTRA



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

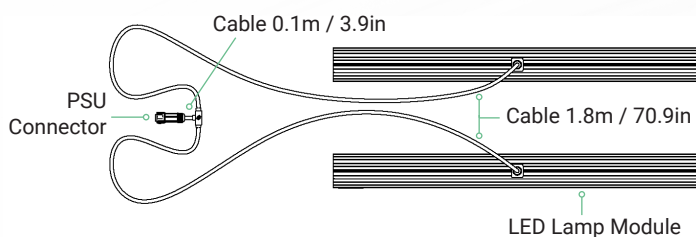
*Available as part of a mounting kit

CERTIFICATIONS

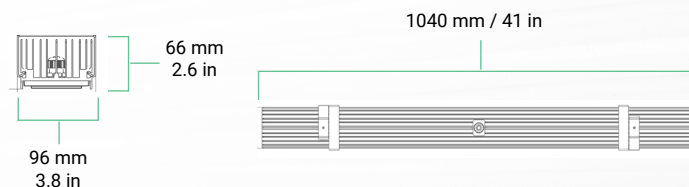


(Pending)

FIXTURE DIMENSIONS



Maximum distance between LED Lamp Modules: 3.4m / 11.2ft



MOUNTING SOLUTIONS

	MITRA X Chain-bracket	MITRA X C-bracket
Components	4 pcs Chain-bracket	6 pcs C-bracket
Weight	170 g (6 oz)	200 g (7 oz)
Maximal chain diameter	3 mm (0.12 in).	Inner width of bracket 42 mm (1.65 in)

For more mounting options see MITRA X User Manual

ELECTRICAL	MI65XR40-05, MI65XR40F-05, MI65XR60-05, MI65XR60F-05	MI65XR40-06, MI65XR40F-06, MI65XR60-06, MI65XR60F-06	MI65XR80-07	MI65XR80-08
PSU	MIPSU05	MIPSU06	MIPSU07	MIPSU08
Input voltage range	100 - 277 VAC	277 - 480 VAC	100 - 277 VAC	277 - 480 VAC
Input current range	2.3 - 5.6 A	1.4 - 2.4 A	2.4 - 5.9 A	1.4 - 2.4 A
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power factor	> 0.98	> 0.97	> 0.96	> 0.97
THD	< 10%	< 10%	< 10%	< 10%
Dimming	0-10VDC, 10V PWM signal or WiFi*	0-10VDC, 10V PWM signal or WiFi*	0-10VDC, 10V PWM signal or WiFi*	0-10VDC, 10V PWM signal or WiFi*

*Requires the Adelphi wireless connector

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MITRA X

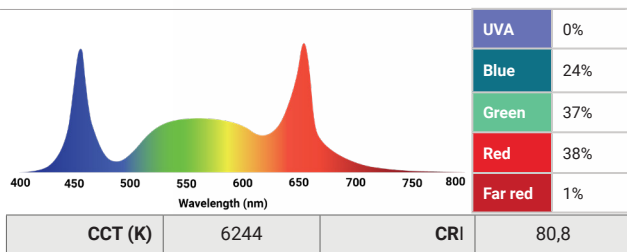
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SPECTRUM & OUTPUT

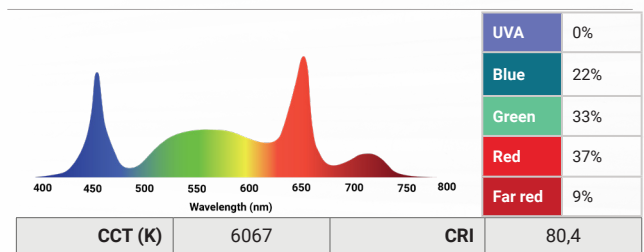
OUTPUT	helioSPEC R40	helioSPEC R40F	helioSPEC R60	helioSPEC R60F	helioSPEC R80
Products	MI65XR40-05 MI65XR40-06	MI65XR40F-05 MI65XR40F-06	MI65XR60-05 MI65XR60-06	MI65XR60F-05 MI65XR60F-06	MI65XR80-07 MI65XR80-08
Power (W)	650	668	661	646	656
Light output (µmol/s)	1867	1957	2079	2002	2365
Efficacy (µmol/J)	2.9	2.9	3.1	3.1	3.6

AVAILABLE SPECTRUM

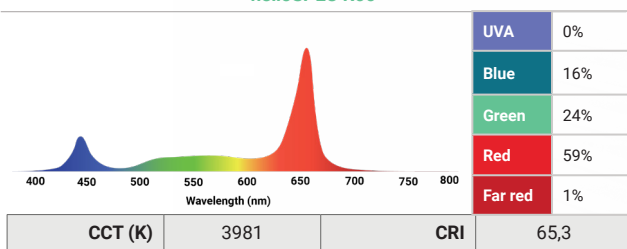
helioSPEC R40



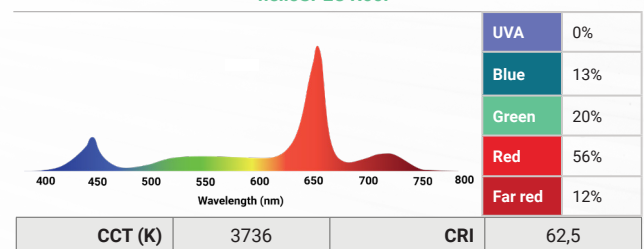
helioSPEC R40F



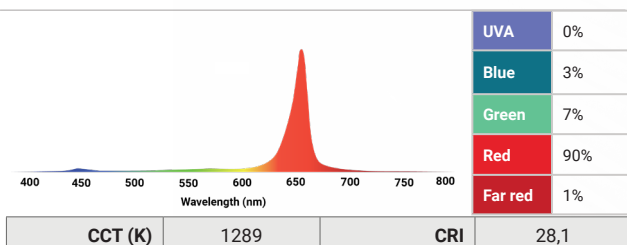
helioSPEC R60



helioSPEC R60F

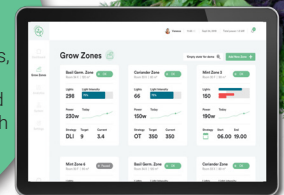


helioSPEC R80



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 Adelpi connector.



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MITRA X

PSU OPTIONS AND TECHNICAL OVERVIEW



PHYSICAL

Size	380 mm x 210 mm x 60 mm 15.0 x 8.3 x 2.4 in (L x W x H)
Weight	3.8 kg (8.4 lbs)
Mounting	Chain or C-hook*

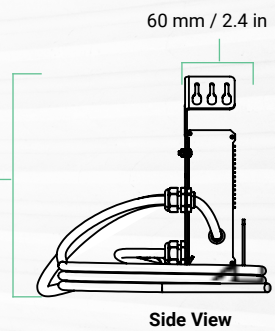
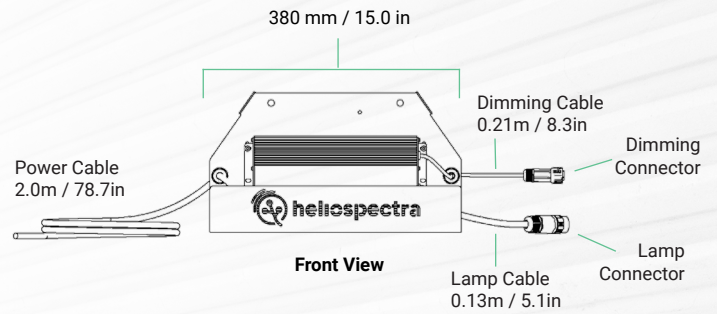
* Available as part of mounting kit

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	MIPSU05, MIPSU07: 67 000 h MIPSU06, MIPSU08: 50 000 h
Dimming	Input: 0-10VDC, 10V PWM signal (200-2000 Hz) or WiFi* Connector: M19 Push Locking 4 Pin Female AUX: 12V, max 200mA
Cooling	Passive - Convection cooled
Housing Material	Powder coated aluminum bracket Anodized aluminum PSU SJOW cables and PA66 connectors
Cable Lengths	Power cable: 2.0 m / 78.7 in Lamp cable: 0.13 m / 5.1 in Dimming cable: 0.21 m / 8.3 in
Plug-options	Open ended
Compliance	CE, UKCA, cETLus, and Damp Location
Warranty	5 years

*Requires the Adelphi wireless connector

PSU DIMENSIONS



MOUNTING SOLUTIONS

MITRA X Built-in Chain-bracket		MITRA X C-Hook*	
Components	built-in	Components	2 pcs C-hooks
Maximal chain diameter	3 mm (0.12 in).	Weight	40 g (1.4 oz)
Chains are not included		Inner width of c-hook	42 mm (1.65 in)

*Available as part of a mounting kit



AVAILABLE ADD-ON

Adelphi Wireless Connector

True wireless dimming and control in your greenhouse with the Adelphi. The Adelphi is a wireless communication module used for controlling LED lighting fixtures. The Adelphi unit is connected to the PSU (power supply unit) that is powering the LED light and provides a 0-10V PWM signal to dim the lights when needed.



heliospectra
Redefine Nature's Potential

Subject to change without notice. Tolerance ±10%

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