



SCORPIO Series

SCR-1CH

SCR-2CH

SCR-4CH

Making vertical farming profitable

- Fully customizable LED systems to maximize performances
- Up to 4 independent channels/colors to modify spectrum
- Top in class efficacy
- Industrial grade design



Take advantage of our wireless control systems

igrox[®]
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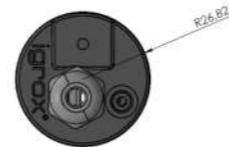
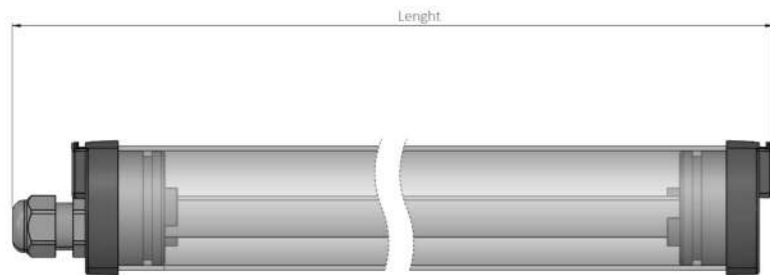
igrox[®]
cultimate

A fully customizable LED system for optimal performances

SCORPIO LED fixtures have been designed with customization in mind, write us in order to customize any technical detail: length, power, spectrum, efficacy and channels composition.

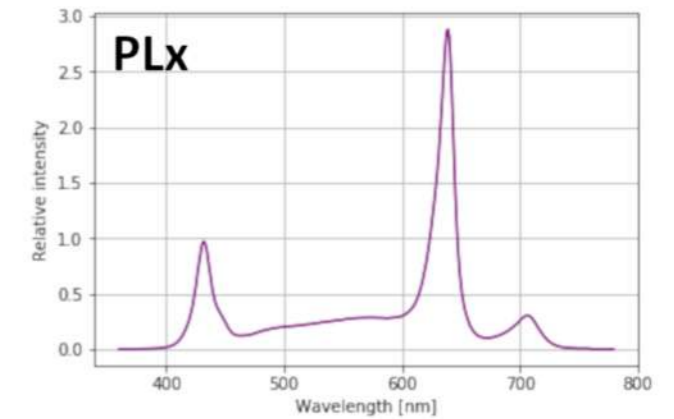
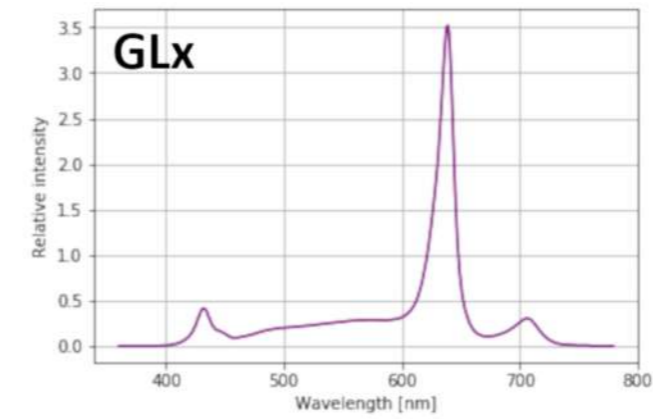
	SCR-1CH	SCR-2CH	SCR-4CH
Available spectra	GLx / PLx	2CH	4CH
Length [mm]	2170	2940	3090
Height/width [mm]	53	53	53
Weight [Kg]	1,9	2,5	2,6
Max Power [W]	100	133	133
Max PPF [$\mu\text{mol/s}$] ¹	305	425	402
Max efficacy [$\mu\text{mol/J}$]	3,2	3,8	3,8
Typ. Power/sqm @ PPF 200 $\mu\text{mol/s/sqm}$ [W]	63	53	53
Input Voltage	100 - 305 Vac	100 - 305 Vac	100 - 305 Vac
Power factor	> 0,96	> 0,96	> 0,96
THD	< 9%	< 9%	< 9%
IP rating	IP65	IP65	IP65
Rated average lifetime [hrs] ²	L90 50.000	L90 50.000	L90 50.000

Specifications tolerance 7%
¹ Nominal PPF @ 25°C | 77 °F
² Rated average lifetime is given at an ambient temperature of 25 °C | 77 °F. All measured lifetimes are industry standard measurements indicating average length of operation and not a performance claim specific to any individual product.
 SCORPIO fixtures are sold in kits of 2 up to 6 units connected to a single external driver, all the input data (Input Voltage, Power factor, THD) are referred to the external driver.



IP65 CE

Our standard spectra GLx and PLx are available on our SCORPIO single channel LED fixtures SCR-1CH.



SCORPIO SCR-2CH and 4CH are LED fixtures with adjustable spectrum with 2 and 4 independent dimmable channels. See the chart below for channels definition.

	SCR-2CH	SCR-4CH
Channel 1	Red (660 nm)	Red (660 nm)
Channel 2	Blue (447 nm) or White	Blue (447 nm)
Channel 3	-	White or additional Blue (447 nm)
Channel 4	-	Far Red (730 nm)
Max Red PPF [$\mu\text{mol/s}$]	310	310
Max Blue PPF (per single channel) [$\mu\text{mol/s}$]	42	42
Max White PPF [$\mu\text{mol/s}$]	35	35
Max Far Red BPF [$\mu\text{mol/s}$]	-	24

Specifications tolerance 7%
 Nominal PPF and BPF are defined @ 25°C | 77 °F



On the edge of biotech innovation

