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LED HORTICULTURE LIGHTING SYSTEMS

Arize® Factor ML900

High power for high density cultivators

Optimized
Three broad light spectrums optimize growth at every stage, from vegetative to flower.

Scalable
Maximize production in both single- and multi-layer facilities with the Factor's multiple rack mounting options

Powerful
Each ML900 array produces an average 1,050 µmol/m²/s over a 4' x 4' area at 2.8 µmol/J

Assembled in the USA
Trusted manufacturing, a standard five-year warranty and a >50,000 hour lifetime ensure consistent, predictable yields for years to come

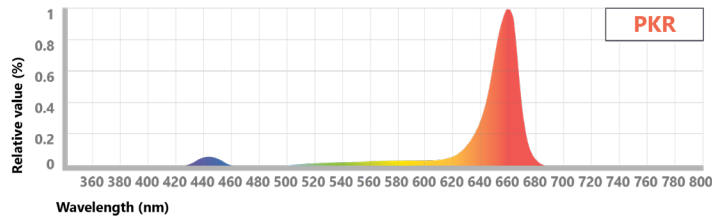**www.led.com** for the latest in lighting innovations from the inventors of the LED

ASSEMBLED IN THE USA

Arize™ Factor ML900

Spectra

Type R

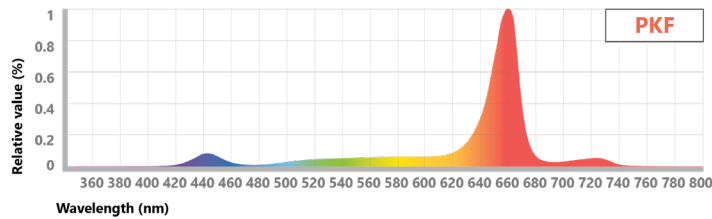High red light to optimize plant growth and photosynthesis

PKR

Relative value (%)

Wavelength (nm)

Type B

Light that supports biomass and secondary metabolite production

PKB

Relative value (%)

Wavelength (nm)
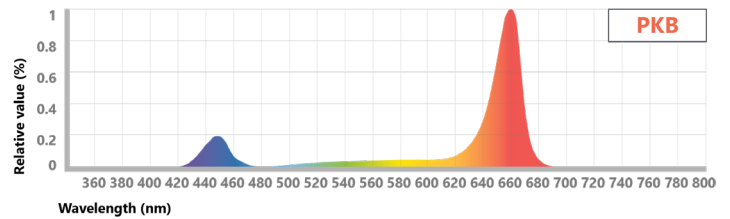
Type F

Encourages a stretching and expansion response for more robust growth

PKF

Relative value (%)

Wavelength (nm)

Spectrum Photon Distribution				
Ratio	Blue PF	Green PF	Red PF	Far Red PF
PKR	8.0%	15.0%	77.0%	0.0%
PKB	14.0%	16.0%	69.0%	1.0%
PKF	7.0%	16.0%	71.0%	6.0%

Spectrum table

| Spectrum	Typical photon flux[1] (µmol/s)	Power[2] (W)	Efficacy[2] (µmol/J)
PKR	1741	639	2.7
PKB	1695	626	2.7
PKF	1729	626	2.8

[1] Typical PPF +/-10%   [2] Tested at maximum input voltage of 480VAC

Why Factor?
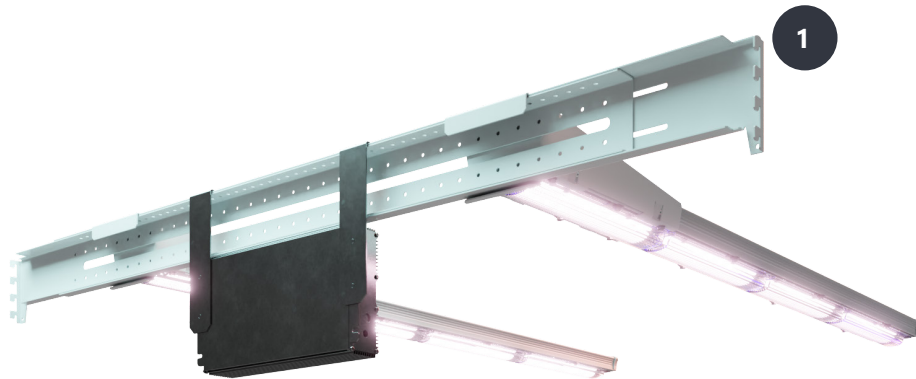
1 Side Mount

Factor adapts to your grow, not the other way around. The system can be installed on the side of a grow cart using the transversal bar, allowing it to fit below ventilation systems .
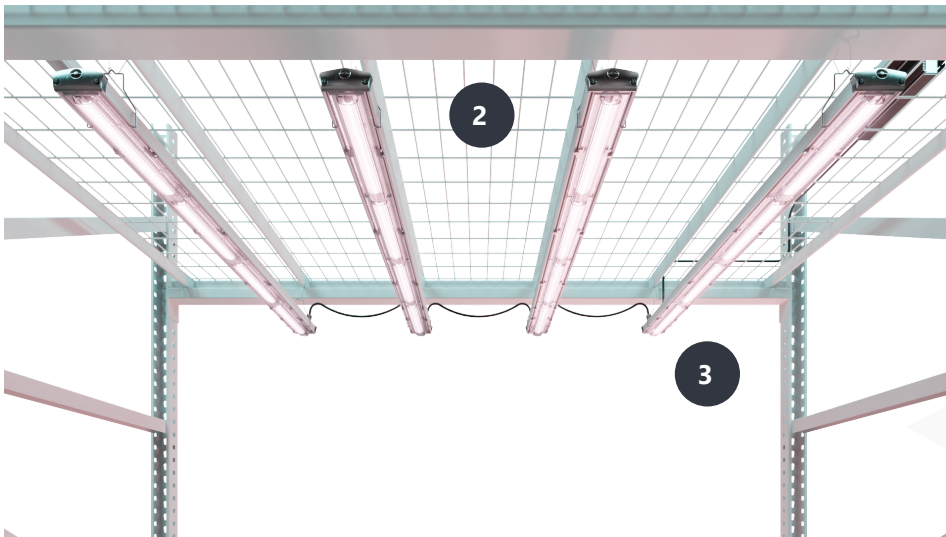
2 Top Mount

One size fits all. Straightforward hooks allow the light bars to be hung from any rack, and the power supply can be remotely mounted, meaning the Factor can be used in any setup.

3 Reliability

We perform the most extensive, stringent testing in the industry. We test the LED, water and dust ingress protection, sub-system and complete system at our in-house and independent laboratories around the world. Validation of our designs, components, products and processes include high temperature, high humidity and accelerated life testing.

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Mechanical outline

818.9 / 32.24
202.7 / 7.98
53.0 / 2.08
91.0 / 3.58
[1193.0] / 46.97
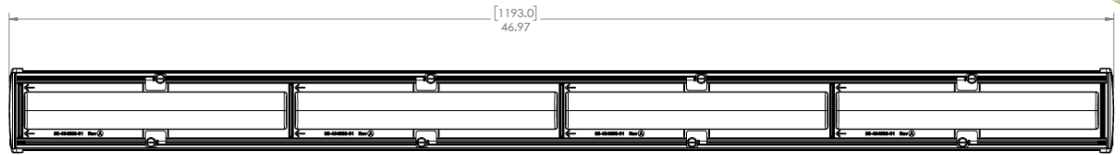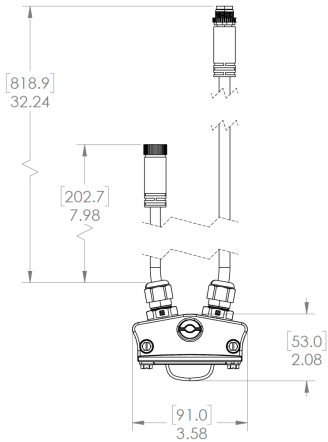
Dimensions and weight							
	Length		Width		Height		Weight
Fixture	46.97″	1193 mm	3.58″	91 mm	2.08″	53 mm	5.7 lbs 2.6 kg
Power supply	10.81″	274.5 mm	9.96″	252.9 mm	3.65″	92.8 mm	7.7 lbs 3.5 kg

Specifications

Dimming capability	0-10V	Operating environment	0°C to 30°C (32°F to 86°F)
Dimming output range	10%-100%	IP rating	IP66
Power factor	>0.9	Lifetime	L90: >50,000 hours[3]
Max. driver remote mount distance	12 ft (3.6 m)	Warranty	Five-year system warranty
Cooling	Passive	System certifications	Pending
Light distribution	140°		

[3] Tested at 30°C per TM-21

Order code table

GEHF	H2	___	___	___	W	___	1

Product ID	Model	Mounting	Spectrum	Input voltage	Distribution	Options	Gen
GEHF	H2 = 2x high output bars, 1x 600W driver	R = Rolling rack	PKR	2 = 120-277V (UL)	W = Wide batwing	X = None	1
		C = Grow cart	PKB			5 = NEMA 5-15P*	
		S = Suspended	PKF			6 = NEMA 6-15P*	
				3 = 277-480V (UL)		7 = NEMA L7-15P	
						8 = NEMA L8-20P**	

* Only available with input voltage option 2
** Only available with input voltage option 3

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