

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

Arize Factor® ML900 HORT146

High power for high-density cultivators

Industry-leading performance, efficiency, and versatility means the Arize Factor ML900 can easily adapt to your grow style and help you to exceed your productivity goals. This rugged and scalable solution has been engineered specifically for the needs of the most demanding, high-density, indoor cannabis cultivators.

Optical System

Typical Photon Flux	1,695 - 1,741 $\mu\text{mol/s}$
Light Distribution	140°
Spectrums	PKR, PKB, PKF

Ambient Temperature

TYPE	TEMPERATURE RATING
Operating Temperature	0°C to 30°C (32°F to 86°F)

Electrical

Dimming Range	0-10V
Max Source Current	450uA
Efficacy Range	2.7 to 2.8 $\mu\text{mol/j}$
Dim-to-Off ³	Yes
Dim Off Voltage	0.35-0.65V (typ. 0.5V)
Dim On Voltage	0.55-0.85V (typ. 0.7V)
Dimming Output Range	10%-100%
Power Factor	>0.9
Absolute Maximum Dimming Voltage	20V
Max. Remote Mount Distance	6 ft (1.83 m)
Cooling	Passive
Light Distribution	140°
IP Rating	IP65

Rated Lifetime

L90: >50,000 hours⁴

Certifications & Warranty

Five-year system warranty
 cULus E492907, CE, UKCA, DLC

For input voltage option 3, dimming control input is non-isolated from Class 1 driver output circuit. Use with sink dimmers only

³ Refer to installation guide for dimming functionality details

⁴ Tested at 30°C per TM-21



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Ordering Information

GEHF

MODEL	MODEL	MOUNTING	SPECTRUM	INPUT VOLTAGE	DISTRIBUTION	OPTIONS	GEN	PACKAGING
GEHF	H2 2x high output bars, 1x 600W driver	S Suspended	PKR	2 120-277V	W Wide Batwing	X Leader Cable, Open Lead	1	[Blank] Single Pack
		U 1 5/8" Unistrut	PKB	3 277-480V		M1 Bulk Pack		
			PKF			5 NEMA 5-15P ⁴		
						6 NEMA 6-15P ⁴		
						7 NEMA L7-15P ⁵		

⁴ Only available with input voltage option 2

⁵ Only available with input voltage options 2 or 3

SPECTRUM TABLE

SPECTRUM	TYPICAL PHOTON FLUX ¹ (μMOL/S)	POWER ² (W)	EFFICACY ² (μMOL/J)	DC INPUT VOLTAGE	LIGHT BAR MODEL NUMBER ³
PKR	1,741	639	2.7	143	GEHF-HPKRW1
PKB	1,695	626	2.7	141	GEHF-HPKBW1
PKF	1,729	626	2.8	141	GEHF-HPKFW1

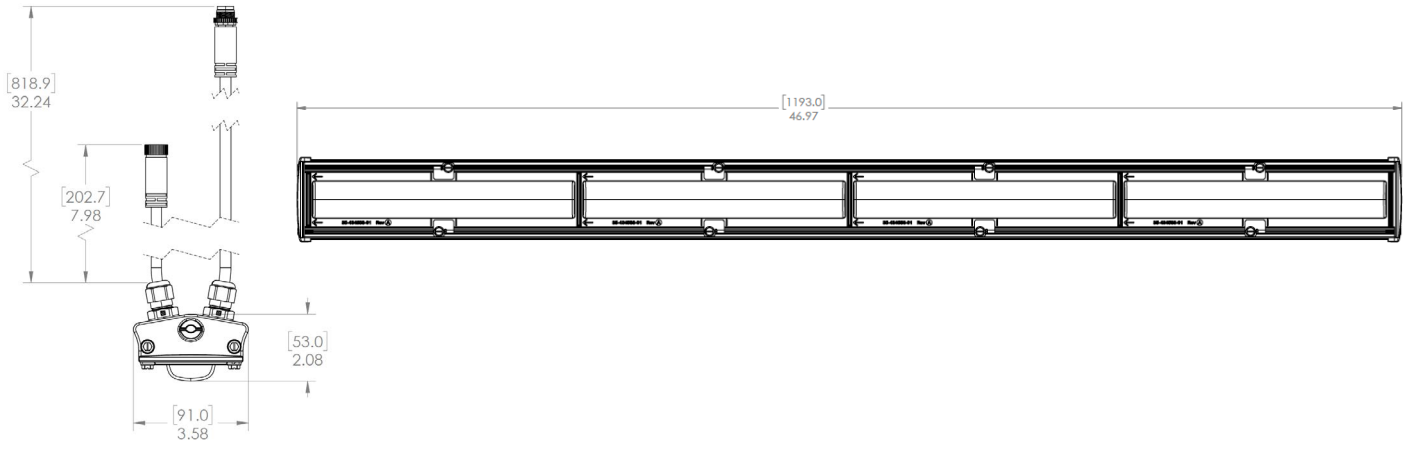
ACCESSORIES

ORDER CODE	SKU	DESCRIPTION	BOX QUANTITY
GECA30A14-AA03B	93118692	3' Interconnection Cable, UL	60
GECA30A14-AA06B	93067607	6' Interconnection Cable, UL	32
GEHR-BRA WIREFORM	93153914	Factor Suspended Mount Wireform Bracket	1
GEHR-BRA WIREFORM 1x5/8	95052672	Factor Suspended Mount Wireform Bracket 1 5/8"	1
GEMB-BAW1	93153918	Factor Rolling Rack Mount, 24"	1
GEMB-BAW2	93153917	Factor Rolling Rack Mount, 48"	1
GEHAK-NN-NE-NO	95047411	1' Driver Remote Mounting Kit	1
GEHR-HAR M15 SHORTING CAP	93306044	Replacement Shorting Cap	1

Not all product variations listed on this page are DLC qualified.
Visit qpl.designlights.org/horticulture to confirm qualification.

Product Dimensions

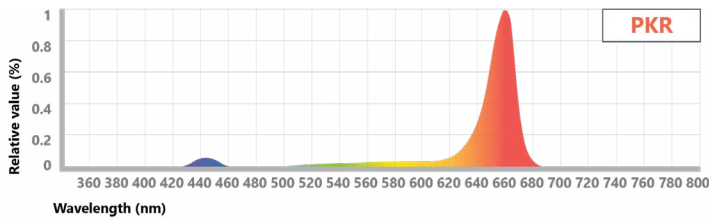
DIMENSIONS AND WEIGHT				
	LENGTH	WIDTH	HEIGHT	WEIGHT
Fixture	46.97" 1193 mm	3.58" 91 mm	2.08" 53 mm	5.7 lbs 2.6 kg
Power Supply	10.81" 274.5 mm	9.96" 252.9 mm	3.65" 92.8 mm	7.7 lbs 3.5 kg



Photometric Data

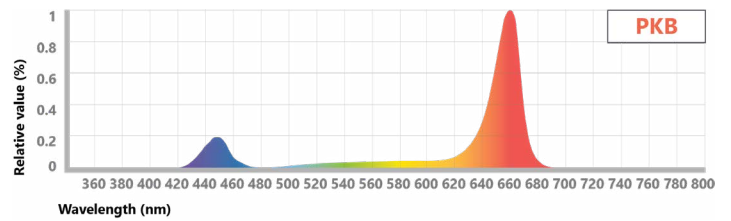
Type R

High red light to optimize plant growth and photosynthesis



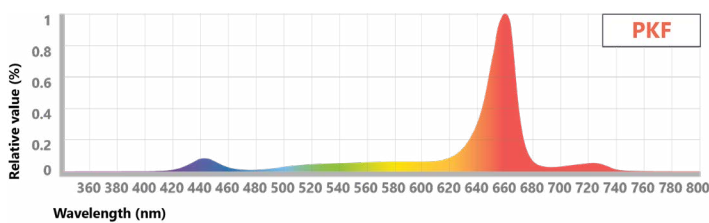
Type B

Light that supports biomass and secondary metabolite production



Type F

Encourages an expansion response for more robust growth

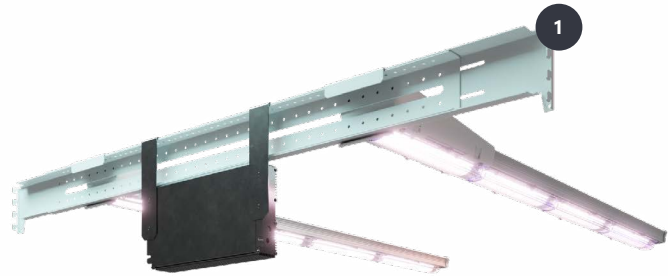


SPECTRUM PHOTON DISTRIBUTION				
Ratio	Blue PF	Green PF	Red PF	Far Red PF
PKR	8.0%	15.0%	77.0%	0.0%
PKB	14.0%	16.0%	69.0%	1.0%
PKF	7.0%	16.0%	71.0%	6.0%

Why Factor?

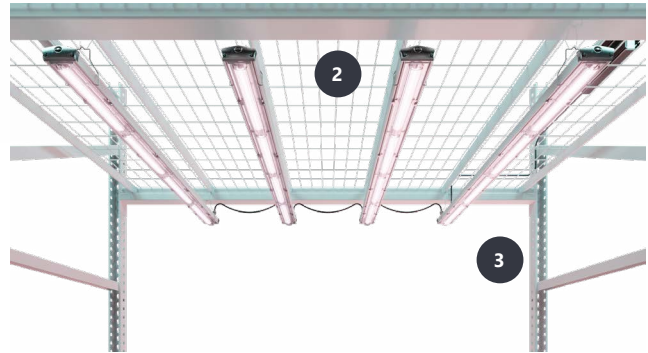
1. Rolling Rack Mount

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. Suspended 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.

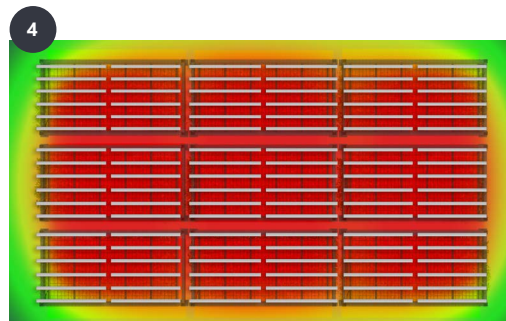


3. Reliability

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.

4. Do More With Less

Compared to multi-bar arrays, the Factor maintains or exceeds PPF levels over a 4' x 4' area using only two bars per array, lowering capital and operating expenses



Multi-bar arrays

