

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

Arize Element L2000 Gen 1

HORT180

Enabling efficient growth at an industrial scale

The go-to solution for light-loving crops, the Arize Element L2000 puts out a maximum PPF of 3300 $\mu\text{mol/s}$, an 83% increase compared to legacy 1000W HPS fixtures. With an optical design that surpasses legacy HPS light distribution, cultivators can produce top quality harvests in all seasons using up to 20% fewer fixtures.

Optical System

Light Distribution	XW Optic
Spectrums	PKT, PKR, PKF

¹ Tested at 40°C per TM-21

Rated Lifetime

Q90: >36,000 hours⁶

Electrical

Max Source Current	450uA
Input Voltage	277-480V
Efficacy Range	2.9 to 3.5 $\mu\text{mol/j}$
Dimming Range	0-10V
Dim-to-Off²	Yes
Dim Off Voltage	0.35-0.65 V (typ. 0.5 V)
Dim On Voltage	0.55-0.85 V (typ. 0.7 V)
Dimming Output Range	10%-100%
Power factor	>0.99 ⁴
Cooling	Passive
THD	<10% ⁵

¹ Use with sink dimmers only

² Refer to installation guide for dimming functionality

⁴ Tested at minimum input voltage

⁵ Tested at full intensity

⁶ Tested at 25°C per TM-21

Certifications & Warranty

Five-year system warranty
 cULus E492907, CE, UKCA



Spectrum Table

FAMILY	SPECTRUM	TYPICAL PHOTON FLUX ¹ (μMOL/S)	POWER ¹ (W)	EFFICACY ¹ (μMOL/J)
L2000	PKT - Pink ELB	3300	992	3.3
	PKR - Pink LB	3100	1041	3.0
	PKF - Pink FR	2700	923	2.9
	PKT - Pink ELB	2140	606	3.5

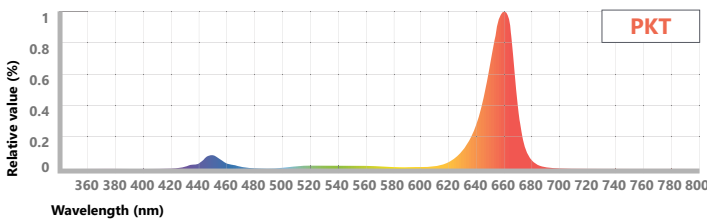
¹ Tested at maximum input voltage. Typical performance +/-10%

Spectral Distribution

TYPICAL SPECTRAL DISTRIBUTION				
Spectrum	Blue PF	Green PF	Red PF	Far Red PF
PKT	6%	6%	88%	0%
PKR	8%	15%	77%	0%
PKF	8%	15%	72%	5%

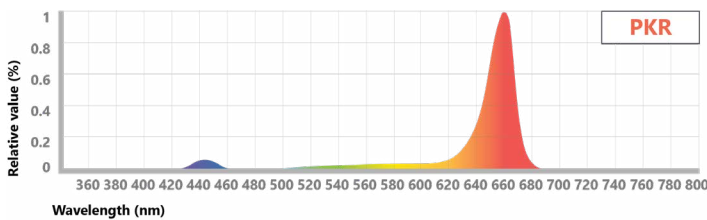
TYPE T

Increased blue and green ratios boost secondary metabolite production to promote crop quality and phytochemical profile



TYPE R

High red light to optimize plant growth and photosynthesis



TYPE F

High red light to optimize plant growth and photosynthesis

