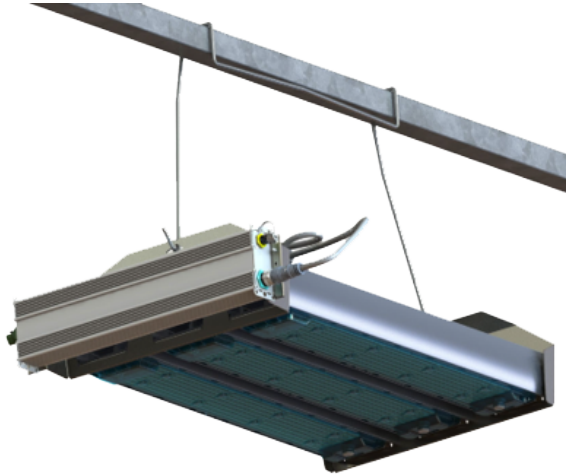


# Arize Element® L2000

Enabling efficient growth at an industrial scale



## Features

- 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 3400 µmol/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 fewer fixtures.
- May be used as a top light in indoor (non-stacked) and greenhouse applications, as Sole-Source or supplemental lighting.

Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table](#) for suitable uses.  
 Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances](#) that may not be suitable for interaction with LEDs and other electronic components.



2 module version

PRODUCT SPECIFICATIONS	
Light source	LED
Equivalent	Up to 1000W DE HPS
Wattage	See chart on page 3
Input voltage	120 - 480V
Spectrum	Various - see chart
Photosynthetic Photon Flux PPF (High Output)	3400 µmol/s
Efficacy	2.7 to 3.5 µmol/j
Dimming	0-10V (dim to off)*
Dim Off Voltage	0.35-0.65 V (typ. 0.5 V)
Dim On Voltage	0.55-0.85 V (typ. 0.7 V)
Distribution	W Optic
Power Factor	>0.99**
L90	>50,000 hours***
Operating temperature	0°C to 40°C (32°F to 104°F)
Thermal Mgt	Passive
Listing	cULus E492907, IP66
Lens	Polycarbonate
Mounting	Unistrut bracket
Limited Warranty	Five-year warranty

\*Average rated life based on industry standard measurements  
 \* Refer to installation guide for dimming functionality. Use with sink dimmers only.  
 \*\* Tested at minimum input voltage  
 \*\*\* Tested at 35°C per TM-21

**Warranty:** 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. The product images shown are for illustration purposes only and may not be an exact representation of the product.

Lead times will vary depending on options selected. Consult with your sales representative.

**EXAMPLE:** VAE2 2 PKT MVOLT GZ10 XWD CNPQDWL MTBU1625 JP14

Series	Number of Modules	Spectrum	Voltage	Driver
<b>VAE2</b> Arize Element L2000	<b>2</b> 2 modules	<b>PKT</b> Pink Extremely Low Blue	<b>120</b> 120V ‡	<b>GZ10</b> 0-10V dimming driver <b>L/DVR</b> Less driver
	<b>3</b> 3 modules	<b>PKR</b> Pink Low Blue	<b>208</b> 208V ‡	
		<b>PKB</b> Pink Medium Blue	<b>240</b> 240V ‡	
		<b>PKF</b> Pink Far Red	<b>277</b> 277V ‡	
		<b>BRI</b> White Medium Blue	<b>277X</b> 277V utilizing Xvolt driver	
			<b>347X</b> 347V utilizing Xvolt driver	
			<b>480X</b> 480V utilizing Xvolt driver	
			<b>MVOLT</b> 120-277V ‡	
			<b>XVOLT</b> 277-480V	

Distribution	Cordsets ‡
<b>XWD</b> Extra wide	<b>CNPQDWL4FT</b> Cord with quick disconnect, no plug, 3-conductor, black, wet location, 4FT
	<b>CNPQDWL</b> Cord with quick disconnect, no plug, 3-conductor, black, wet location, 6FT
	<b>CNPQDWL10FT</b> Cord with quick disconnect, no plug, 3-conductor, black, wet location, 10FT
	<b>CNPQDWL12FT</b> Cord with quick disconnect, no plug, 3-conductor, black, wet location, 12FT
	<b>CNPQDWL15FT</b> Cord with quick disconnect, no plug, 3-conductor, black, wet location, 15FT
	<b>CNPQDWL20FT</b> Cord with quick disconnect, no plug, 3-conductor, black, wet location, 20FT
	<b>CPQDSB4FT</b> Cord with quick disconnect, NEMA straight blade 15A plug, 3-conductor, white, damp location, 4FT
	<b>CPQDSB</b> Cord with quick disconnect, NEMA straight blade 15A plug, 3-conductor, white, damp location, 6FT
	<b>CPQDSB10FT</b> Cord with quick disconnect, NEMA straight blade 15A plug, 3-conductor, white, damp location, 10FT
	<b>CPQDSB12FT</b> Cord with quick disconnect, NEMA straight blade 15A plug, 3-conductor, white, damp location, 12FT
	<b>CPQDSB15FT</b> Cord with quick disconnect, NEMA straight blade 15A plug, 3-conductor, white, damp location, 15FT
	<b>CPQDSB20FT</b> Cord with quick disconnect, NEMA straight blade 15A plug, 3-conductor, white, damp location, 20FT
	<b>CPQDTL4FT</b> Cord with quick disconnect, NEMA twist-lock 15A plug, 3-conductor, white, damp location, 4FT
	<b>CPQDTL</b> Cord with quick disconnect, NEMA twist-lock 15A plug, 3-conductor, white, damp location, 6FT
	<b>CPQDTL10FT</b> Cord with quick disconnect, NEMA twist-lock 15A plug, 3-conductor, white, damp location, 10FT
	<b>CPQDTL12FT</b> Cord with quick disconnect, NEMA twist-lock 15A plug, 3-conductor, white, damp location, 12FT
	<b>CPQDTL15FT</b> Cord with quick disconnect, NEMA twist-lock 15A plug, 3-conductor, white, damp location, 15FT
	<b>CPQDTL20FT</b> Cord with quick disconnect, NEMA twist-lock 15A plug, 3-conductor, white, damp location, 20FT
	<b>CPQDTL20A4FT</b> Cord with quick disconnect, NEMA twist-lock 20A plug, 3-conductor, white, damp location, 4FT
	<b>CPQDTL20A</b> Cord with quick disconnect, NEMA twist-lock 20A plug, 3-conductor, white, damp location, 6FT
<b>CPQDTL20A10FT</b> Cord with quick disconnect, NEMA twist-lock 20A plug, 3-conductor, white, damp location, 10FT	
<b>CPQDTL20A12FT</b> Cord with quick disconnect, NEMA twist-lock 20A plug, 3-conductor, white, damp location, 12FT	
<b>CPQDTL20A15FT</b> Cord with quick disconnect, NEMA twist-lock 20A plug, 3-conductor, white, damp location, 15FT	
<b>CPQDTL20A20FT</b> Cord with quick disconnect, NEMA twist-lock 20A plug, 3-conductor, white, damp location, 20FT	

Remote Driver	Mounting	Packaging
<b>(blank)</b> Standard driver mounting	<b>(blank)</b> Standard mounting hooks (1 hook per driver and 2 per fixture)	<b>(blank)</b> Unit
<b>RMD</b> Remote driver	<b>MTBU1625</b> Unistrut mounting bracket, 1.625IN/40mm	<b>JP14</b> job pack, qty 14

‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart. Options are sorted alphanumerically

Accessories	
<b>CNPQD4FT</b>	AC Leader Cable, 4'/1219mm, UL
<b>VA2NPDV3FT</b>	dimming Cable, 3 ft/ 914mm, UL/CE
<b>VACPQD4FT L7-15P</b>	AC Leader Cable, 4' , 16AWG, NEMA L7-15, UL
<b>VACPQD4FT L7-20P</b>	AC Leader Cable, 4' , 16AWG, NEMA L7-20, UL
<b>VACPQD4FT L8-20P</b>	AC Leader Cable, 4' , 16AWG, NEMA L8-20, UL
<b>VA2MTBUN1625</b>	STANDARD, wire Hanger, Inline 1-5/8 Unistrut Cat logic Option "N"
<b>VA2MTSN1625</b>	STANDARD S-hook - Driver, Wire Hanger, Inline 1-5/8 Unistrut Cat logic Option "N"
<b>VA2MTBUD1625</b>	STANDARD, Wire Hanger - inline 1-5/8 Unistrut Cat logic Option "D"
<b>VAAC18</b>	18 in / 457 mm Universal Cable Mount
<b>VAAC60</b>	60 in / 1524 mm Universal Cable Mount

‡ Option Value Ordering Restrictions	
Option value	Restriction
Cordsets	CPQD4FT options required with 347 and 480V. CPQDSB and CPQD4FT options not available with MVOLT or HVOLT.
120,208,240,277, MVOLT	Available with 2 module units only.

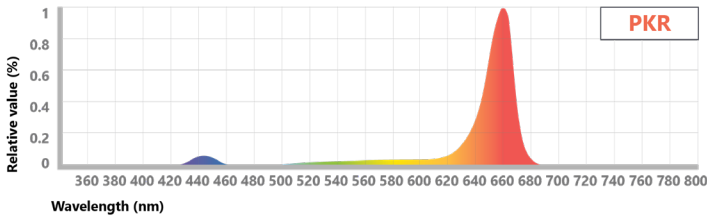
### Available Models

FAMILY	SPECTRUM	TYPICAL PHOTON FLUX <sup>1</sup> (MMOL/S)	POWER <sup>1</sup> (W)	EFFICACY <sup>1</sup> (MMOL/J)
L2000 (H3 - High output, 3 bar configuration)	PKT - Pink ELB	3400	1040	3.3
	PKR - Pink LB	3100	1000	3.1
	PKB - Pink B	3130	1020	3.1
	PKF - Pink FR	3080	995	3.1
	BRI - White R	2620	988	2.7
L2000 (H2 - High output, 2 bar configuration)	PKT - Pink ELB	2000	630	3.2
	PKR - Pink LB	1900	610	3.1
	PKB - Pink B	1900	620	3.1
	PKF - Pink FR	1850	600	3.1
	BRI - White R	1800	660	2.7

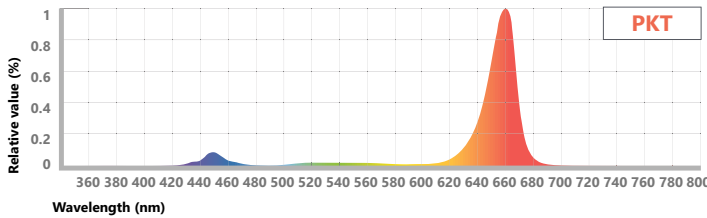
<sup>1</sup> Tested at maximum input voltage. Typical performance +/-10%

## Photometric Data

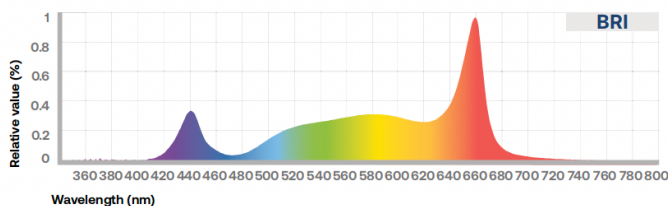
**TYPE R**  
High red light to optimize plant growth and photosynthesis



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

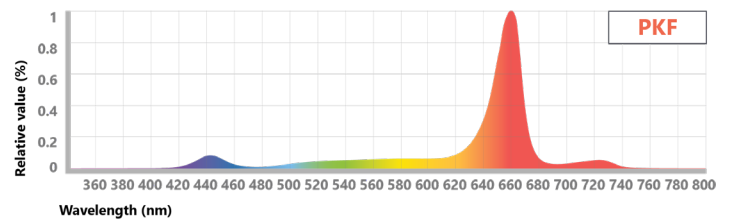


**TYPE BR**  
Increased blue ratio boosts secondary metabolite production to promote crop quality and phytochemical profile

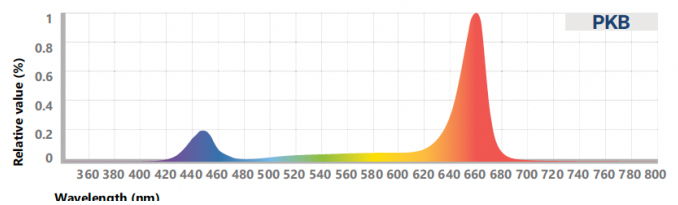


Typical Spectral Distribution				
Spectrum	Blue PF	Green PF	Red PF	Far Red PF
PKT	6%	6%	88%	0%
PKR	8%	15%	77%	0%
PKB	16%	15%	69%	0%
PKF	8%	15%	72%	5%
BRI	15%	38%	47%	0%

**TYPE F**  
High red light to optimize plant growth and photosynthesis



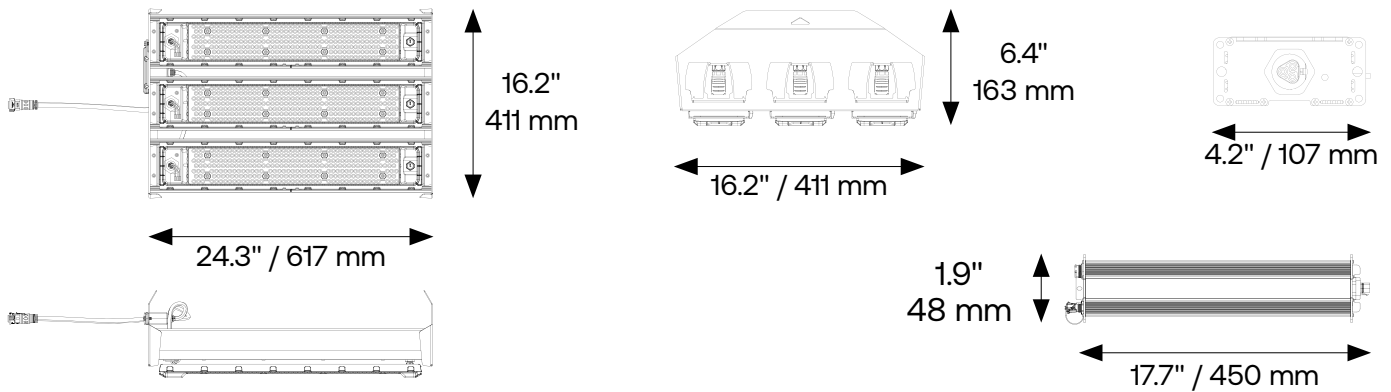
**TYPE B**  
Light that supports biomass and secondary metabolite production





### Dimensions and Weight

	3-Bar	Power supply
Length	24.3" / 617 mm	17.7" / 450 mm
Width	16.2" / 411 mm	1.9" / 48 mm
Height	6.4" / 163 mm	4.2" / 107 mm
Weight	18.7 lbs / 8,5 kg	7.0 lbs / 3,2 kg



	2-Bar	Power supply
Length	24.3" / 617 mm	13.12" / 333 mm
Width	10.9" / 276 mm	1.81" / 46 mm
Height	5.7" / 145 mm	5.94" / 151 mm
Weight	13.4 lbs / 6,1 kg	7.0 lbs / 3,2 kg

