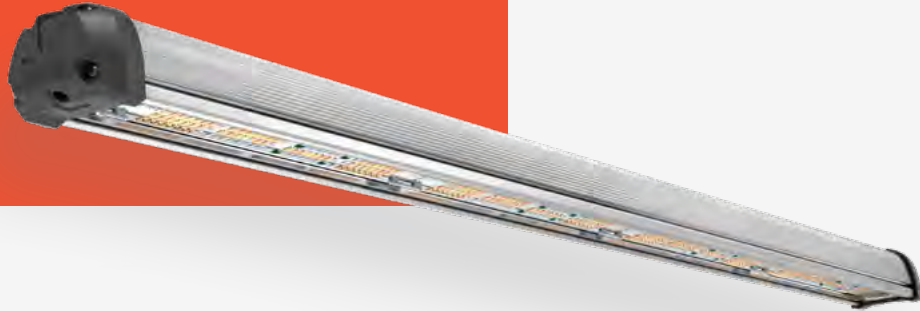


BX120

# Solray385



Since 2009 we have been committed to creating the best LED grow lights on the market so as to enable growers to increase yields, quality and energy savings.

With one of the largest patent portfolios of the horticulture lighting industry, we are the pioneers of the high quality LED grow light solutions.



Plant trials  
conducted



Spectra tested



Countries sold to  
so far



Patents granted

Hundreds of clients around the world rely on Valoya technology including 8 out of 10 world's largest agricultural companies.

As our customers, you will receive the support and care of our photobiologists, seed to sale.

## **BX-Series**

BX-Series is the new generation of Valoya's bestseller, the B-Series. Light intensity of up to 2.5  $\mu\text{mol}/\text{W}$  comes in slim, light, humidity and impact resistant bar shaped luminaires. Applications demanding high light intensity with absolute light uniformity are what BX-Series was designed for.

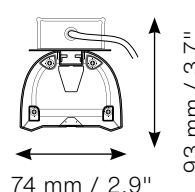
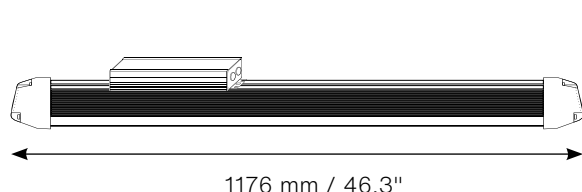
# BX120 Solray385

**Solray®** is a wide spectrum light encompassing wavelengths from UV-A to far red and appearing white to human eyes. It is a close match to natural outdoor light and is thus suitable for all plants and all growth stages.

Spectrum Data	UV	B	G	R	FR	PAR	CCT	CRI	B:G	R:FR
<b>Solray385</b>	2 %	19 %	36 %	40 %	3 %	95 %	4500	90	0.7	13.0

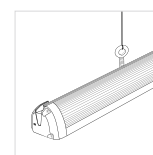
Typical values presented in the tables. There may be some variations between the spectra in different fixture models due to a disparity in the LED layout.

## Product Dimension

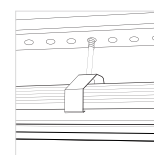


## Mounting Options

### Standard



### Optional



## Technical Specification\*

## BX120 Solray385

Model (power unit)	BX120c7LV	BX120c7HV
Spectrum	Solray385	
Voltage input	200 - 277 VAC	200 - 480 VAC
Power input (incl. LED driver)	132 W	132 W
Current input	0.66 A - 0.47 A	0.66 A - 0.3 A
Light output	330 $\mu\text{mol/s}$	
Light efficacy (380 nm ~ 820 nm)	2.5 $\mu\text{mol/W}$	2.5 $\mu\text{mol/W}$
Weight, luminaire and LED driver	3.9 kg / 8.6 lb	
Dimensions, luminaire (L x W x H)	1176 x 74 x 58 mm (46.3" x 2.9" x 2.3")	
Cables	0.3 m (11.8") mains to LED driver, 1.3 m (52") luminaire to LED driver, 0.3 m (11.8") dimming cable	
Dimming	0 - 10 V, PWM. Light output: off, 6 - 100%	
Distance from the plants (rec.)	0.1 - 4.0 m (4" - 13')	
Light intensity decay	Max 10% at 36 000 h. Typical usage 50 000 h.	
PPFD (4 bars, 4' x 4')	<b>840 <math>\mu\text{mol/m}^2/\text{s}</math> at 4"</b> (730 at 8", 560 at 16", 430 at 24")	
PPFD (4 bars, 1,2 m x 1,2 m)	<b>840 <math>\mu\text{mol/m}^2/\text{s}</math> at 0,1 m</b> (730 at 0,2 m, 560 at 0,4 m, 430 at 0,6 m)	
Light distribution angle	120°	
Plug type	Open end (pigtailed)	
Ambient operating temperature	0 - 35 °C (32 - 95 °F)	
Cooling	Passive (no fins / fans to collect dust and pathogens)	
Certifications / Approvals	CE marked, RoHS compliance, tested and certified to UL & CSA standards	
IP protection and Warranty	Wet location rated (IP67). Up to 5 years limited warranty. More details at <a href="http://www.valoya.com/warranty">www.valoya.com/warranty</a> .	

\*Typical values presented. Tolerances apply.



## Get in touch with Valoya

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