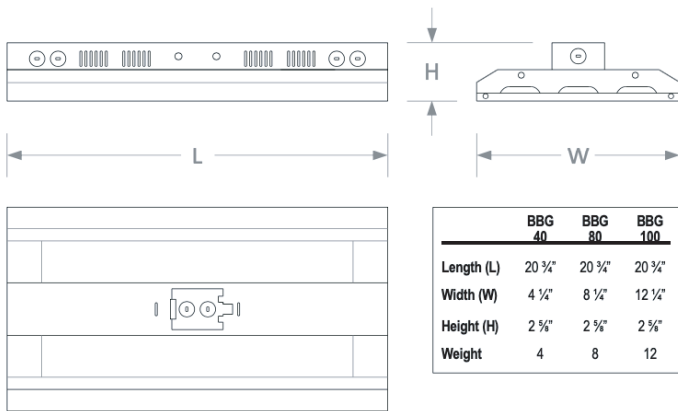


DIMENSIONS



PRODUCT DESCRIPTION

The BBG series includes commercial-grade, premium- performance LED luminaires for horticultural settings. Provides a full spectrum of PAR (photosynthetically active radiation) for full-cycle cultivation. High-efficiency LEDs (PPF/J of 2.4) reduce energy costs compared to traditional grow luminaires. Long- life LEDs (Q90 of 38,000 hours) virtually eliminates expensive relamping. High-gloss, painted aluminum housings withstand demanding environments. A variety of mounting options simplify height adjustments. Dimming levels are controlled by three-way switch Hi/Lo/Off.

ORDERING INFORMATION

EXAMPLE: BBG-040-FS-UNV-AC5M120



Model	Input Power (Joules)	Color Spectrum	Input Voltage	Cordsets ³ (Length = 5 Meters)	Accessories (Order Separately)
BBG	40 80 100	FS = Full Spectrum ¹	UNV = 120-277V	AC5M120 = 120V (NEMA 5-15P)	BBG40-CRLENS-4X20 = Clear lens – 40J BBG80-CRLENS-8X20 = Clear lens – 80J BBG100-CRLENS-12X20 = Clear lens – 100J BBG40-DIFLENS-4X20 = Diffuse lens – 40J BBG80-DIFLENS-8X20 = Diffuse lens – 80J BBG100-DIFLENS-12X20 = Diffuse lens – 100J BBG40-WG-4X20 = Wire-guard kit – 40J BBG80-WG-8X20 = Wire-guard kit – 80J BBG100-WG-12X20 = Wire-guard kit – 100J BBG-CMK3 = Cable-mounting kit, 3 meters BBG-CMK5 = Cable-mounting kit, 5 meters GL-TETHER = Pair of ratcheting hanging tethers

¹See Spectral Power Distributions, page 3.

²Cordsets are used only with UNV (120-277V) models – contact factory for other cordset options.

FEATURES

- Complete luminaire comes with the following standard equipment: Fully-functional LED luminaire, one set of V-hooks with hanging chains. Can be mounted with S-hooks.
- AC cordsets (factory-installed) with grounded NEMA 5-15P.
- Three position switch lets user pick High/Low intensities.
- Full spectrum distribution of PAR (photosynthetically active radiation) for full-cycle cultivation US Patent 10,785,921.*
- Long-life LEDs provide 38,000 hours of operation with at least 90% (Q90) of initial PPF (photosynthetic photon flux).**
- Delivers from 90 micromols (μmols) of PPF from a single luminaire to accommodate a variety of growing areas. For increased PPF levels, use multiple luminaires.*
- Delivers photosynthetic photon efficacy (PPE) of 2.4.
- Universal 120-277 AC voltage (50-60Hz) is standard with 5-15P wall plug and 6' UL Listed power cord.
- 0-10vdc dimming drivers are standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Painted aluminum housing.
- Standard mounting options include:
 - Chain mounting with V-hooks that attach to luminaire.
 - S-hooks and surface mount options available.

* Contact factory for other color spectra and PPF packages.

**L70 hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

- US Patent No. 9, 820, 447, 10, 785, 921
- cULus listed for damp locations in ambient temperatures from -20°C to 35°C (-4°F to 95°F).
- Complies with RoHS (Restriction on Hazardous Substances) requirements
- Complies with FCC Part 15, class A.
- Complies with IEEE C.62.41-1991, input transient protection (5kV).
- 5-year warranty of all electronics and housing.

ELECTRICAL DATA

Model	Photosynthetic Photon Flux (PPF) ($\mu\text{mol}/\text{second}$)	Input Power (Joules ¹)	Photosynthetic Photon Efficiency (PPE)	Input Current (A) ²			Power Factor	THD ³	Q ₉₀ ⁴
				120V	240V	277V			
BBG-40	90	40	2.4	0.43	0.24	0.23	> 90%	< 20%	38,000
BBG-80	180	80	2.4	0.85	0.43	0.40	> 90%	< 20%	38,000
BBG-100	270	100	2.4	1.2	0.55	0.48	> 90%	< 20%	38,000

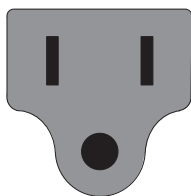
¹ Joules equal watts per second.

² All 50-60Hz.

³ Total harmonic distortion.

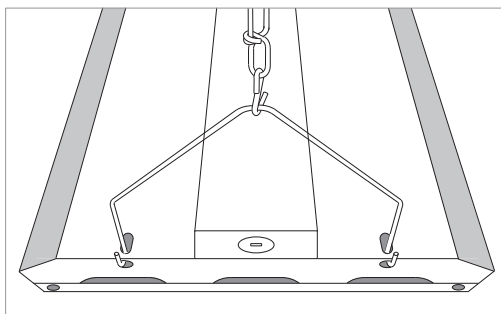
⁴ Q₉₀ refers to the number of hours at which lumen output declines to 90% of the initial level. Q₉₀ hours are IES TM-21-11 calculated hours.

AC PLUGS

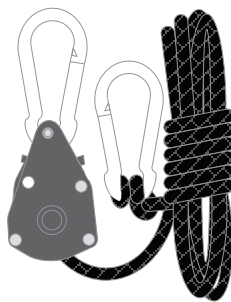


**NEMA 5-15P
(120V)**

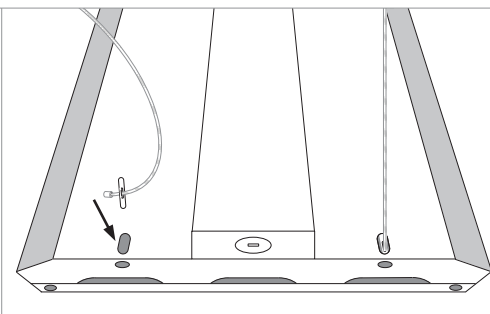
HANGING OPTIONS



**V-Hooks & Chains
(Standard)**



**Ratcheting Tethers
GL-TETHER
(Standard)**



**Cable-Mounting Kits
GLLED-CMK3 (3 meters)
GLLED-CMK5 (5 meters)
(Optional)**