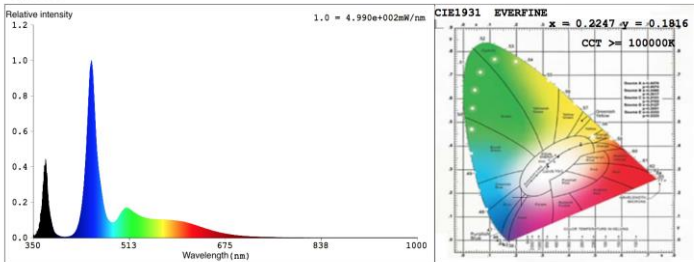




**Application:** These lights are designed for stimulating the mating behavior of the black soldier fly. It can be used as the sole lighting source for black soldier fly mating, or it can be used as supplemental lighting source with other light sources such as sunlight. The lights are effective on all strains of black soldier fly (*Hermetia illucens*) that are known today. The lights can be installed in different size cages as the panel angles are adjustable and the power sources are dimmable.

Spectrum



**Description:** BSF-4C-100-3030 is a 50-watt black soldier fly breeding light fixture with an aluminum body. The fixture will automatically accept an input voltage from 100-277 volts (50/60Hz). Many features are incorporated to benefit growers including:

- Optics help direct the light into the breeding areas for better light penetration and effectiveness.
- The dimmable power source that can adjust the power consumption from 40W to 54W, to help better energy utilization.
- Waterproof—allows the lights to be used in a humid environment or outdoor.
- Passive ventilation—no moving parts in the light, so the light can be used inside the insect cage.
- Multiple band spectrums are proven to stimulate black soldier fly viable mating to produce fertilized eggs.
- One light can illuminate a cage with a height up to 1.5 meters. Each light can cover areas up to 3 m<sup>2</sup>

**Note:**

1. Installing surge/lighting protectors is highly recommended to eliminate premature failure caused by surges and other power fluctuations.
2. All specification information falls within a +/- 5% range and is subject to change as a result of advancement without notice.
3. JM Green is providing this information to the general public.
4. There are many factors contribute to the successful breeding of black soldier fly other than the proper light source, such as ambient temperature, RH, or adult healthiness. This product can promote black soldier fly viable egg production when all other requirements are met.

**Technical Specification**

<b>Type</b>	Light fixture/Panel
<b>Mounting</b>	Screw/Straps
<b>Housing Material</b>	Aluminum
<b>Input Voltage</b>	100-277 VAC
<b>Power Consumption</b>	50W (Max)
<b>PAR Output</b>	Center
<b>1 meter</b>	3164 lux
<b>2 meter</b>	572 lux
<b>3 meter</b>	284 lux
<b>LED Colors</b>	UV, B, G, White
<b>Dimmable</b>	Yes, 40-54W
<b>Beam Angle</b>	60 Degree
<b>Rated LED Life</b>	50,000 Hrs
<b>Dimensions</b>	
<b>L x W x H</b>	15 x 35 x 25 cm
<b>Weight</b>	1.3 KG
<b>Certifications</b>	CE
<b>Mercury/Lead content</b>	None
<b>Warranty</b>	1 year limited