

DGT FL100 Grow LED Grow Light

The slim, adjustable-spectrum LED bar for layers

The FL100 Grow is the slim-bar LED fixture in the DGT range that uses the Grow spectrum, giving the lowest white content of the three FL100 spectra. At 1165 mm long and 3 kg it is designed to sit close to the crop, in an open glasshouse or in stacked layers where fixtures are linked together.

Blue light can be adjusted between 2 and 14 % of the total output, with 1 to 5 % green and white, and the 75 to 150 W power draw is set through the controller. That lets the grower shape the light to the crop and its stage, and dim when less light is wanted.

A lens system gives an even pattern across the crop, so layouts are planned in much the same way as HPS. The FL100 Grow runs from an LCC4 climate computer, a small Control Unit or the LED Light Controller, and a lighting plan can be prepared from your own house and crops.

Key capabilities

- Slim 1165 mm bar with the Grow spectrum, for open greenhouses and layered growing
- Adjustable blue share, from 2 to 14 % of total light
- Power set via the controller, 75 to 150 W per fixture
- Fixtures can be interconnected, suited to vertical farming
- Optical lens system for an even spread, planned like an HPS layout
- Works with LCC4 climate computers, a Control Unit (up to 49 fixtures) or the LED Light Controller
- Lighting plan available from your house size, crops and target light level
- Danish designed, developed and manufactured

Technical specifications

Power input	400 V AC, 50/60 Hz (380 - 480 V AC)
Nominal current	0.4 A
Power usage	75 - 150 W (adjustable via controller)
Cos ϕ	0.96
Light output from fixture	2.96 $\mu\text{mol/s}$ per W (depending on spectral settings)
PPF	444 $\mu\text{mol/s}$
Light output from diodes	3.24 $\mu\text{mol/J}$
Light modulation range	2 - 14 % blue light of total light
Green / white content	1 - 5 % of total light (depending on spectral settings)
Coverage	Up to 12 m ² (depending on light intensity)
Operating temperature	0 - 40 °C
Dimensions (L x W x H)	1165 x 67 x 90 mm
Weight	3 kg

Sitotech Irrigation Ltd is the main UK distributor for DGT by Senmatic. We specify, install, commission and support every system we supply, and design it into the wider irrigation and climate setup on your site. For sizing, integration or a site

DGT FL100 Grow LED Grow Light

The slim, adjustable-spectrum LED bar for layers

visit, call Simon on 07881 271 117 or email simon@sitetech.uk.