

General Product Description Q-Series Generation 2

The Q-Series, now available in the 2nd generation, combines the latest Osram chip technology with valuable functional features. The best efficiency, unbeatable flexibility and durability characterize this product line.

Each Sanlight luminaire is supplied with a current METOLIGHT light measurement protocol with all the usual photometric and electrical data (value of the light measurement over 120 euros) as well as useful accessories for maintaining the light. In addition, Asmetec customers can have their lights checked in our light laboratory free of charge at any time. In the event of repairs, these lights will be repaired by Asmetec

perfect light steering with protective function

The contamination of LEDs reduces their output to a greater extent than the chip ageing itself. Luminaires whose LEDs are not protected by a cover will noticeably lose light output after only a few months of use, and cannot be cleaned, or only very expensively.

SANlight rely on a sophisticated secondary optic in the Q series which captures more than 95% of all photons emitted by the LED chip and directs them directly to your plants. This reduces the light losses to a minimum due to reflection over the tent walls and protects the LEDs from contamination. The material can be easily cleaned with a damp cloth.

passive cooling

SANlight is once again relying on their passive-cooling aluminium heat sink, which in design is larger than the competition allowing the lamps to run at full power with very minimum heat output. Passive cooling maximizes energy efficiency and service life and minimizes error susceptibility, risk and noise levels at the same turn.

best Efficiency

With using the latest 2mm² LED chip technology from Osram and our white broadband spectrum we achieve an Efficiency of 2.7 mol/s. As our chips are insensitive to environmental stresses, we can achieve a realistic lifespan of up to 100,000 hours before seeing any light loss.

Daisy chaining option

To be able to deliver the best quality even with the connectors, SANlight relies on robust premium connections that withstand even the most adverse conditions. The new Wieland H distributor makes it possible to operate several luminaires on only one household socket.

ready-to-DIMM

All models of the Q-Series Gen2 can be retrofitted with different dimmer systems. The separately available dimmer is attached to the unoccupied slot of the light fixture and a sunrise simulation can be dimmed or programmed through a magnetic switch. (M-Dimm) For more complex systems, a Bluetooth dimmer will be available from summer 2020, which makes it possible to dim up to 100 luminaires simultaneously or independently of each other.

Eco or Expert?

The requirements of gardeners for their lamps can be just as different as the requirements of the lamps for their gardeners. SANlight offers the choice of adopting the appropriate bulb to the experience or requirement of the gardener. Whether professional or newcomer, the 2nd generation of SANlight has something for everyone.

Application table:

Product - Cultivation area	60 x 60 cm = 0.36m ²	80 x 80 cm = 0.64m ²	100 x 100 cm = 1m ²	120 x 120 cm = 1.44m ²
Q1W Gen2	2 P _{ges} 100W	3 P _{ges} 150W		
Q3WL Gen 2			2 P _{ges} 240W	
Q4W Gen 2		1 P _{ges} 165W	2 P _{ges} 330W	2 P _{ges} 330W
Q4WL Gen 2			2 P _{ges} 330W	2 P _{ges} 330W
Q5W Gen 2		1 P _{ges} 205W		2 P _{ges} 410W
Q6W Gen 2			1 P _{ges} 245W	

	Eco Setup
	Expert Setup

Technical data at a glance:

	Q3WL	Q4W	Q4WL	Q5W	Q6W
Type. Power consumption	120w	165W	165W	205W	245W
Factor	> 0.95				
Input	90 - 305 VAC				
PPF*	312	416	520	624	
Weight	4.24 kg	4.61 kg	5.11 kg	5.50 kg	6.15 kg
Class	IP40				
Lifespan (LM90)	> 100,000h				
Guarantee	3 years				

* in emission wavelength range 400 - 780 nm

Typical application and application recommendations

Exposure of light-hungry plants in interiors in the vegetative phase

Exposure of light-hungry short-day plants indoors in the generative phase

Cultivation of ornamental and crop plants

Full-fledged, environmentally friendly replacement of HPS lamps

Recommended distance between plant and lamp approx. 35 -40 cm

Source: Sanlight