

# HORTICULTURAL LED LUMINAIRE S4W



Versatile, modular plant illumination system for professional use in plant production. Highly efficient light generation and light guidance. Highest light homogeneity within the cultivation area guarantees homogenous growth/yield. System including LED-module and power converter. Passively cooled. Ingress protection class IP40. Flexible and modular installation.



Electrical Properties	Value	Unit
typical power consumption <sup>1</sup>	140	W
power factor <sup>1</sup>	0,98	
input voltage range <sup>1</sup>	90 – 305	V (AC: 47-63Hz)
max. input current <sup>1</sup>	0,75	A
max. output voltage <sup>2</sup>	54	V (DC)
constant output current <sup>2</sup>	2,5	A
operating voltage <sup>3</sup>	54	V
operating current <sup>3</sup>	620	mA

Further Properties	Value	Unit
emission wavelength range	400 - 760	nm
PPF <sup>4</sup>	384	μmol/s
module efficiency <sup>5</sup>	2,9	μmol/J
system efficiency <sup>6</sup>	2,7	μmol/J
angle of radiation ( <i>rectangular illumination footprint with maximum homogeneity</i> )	90°	symmetric
x - colour space coordinate <sup>7</sup>	0,47	warm white colour impression
y - colour space coordinate <sup>7</sup>	0,38	
dimensions <sup>2</sup>	228x68x39	mm
dimensions <sup>3</sup>	980x75x45	mm
weight <sup>2</sup>	1100	g
weight <sup>3</sup>	2850	g
AC-cable length	0,23	m
DC-cable length	2,8	m
protection rating <sup>2</sup>	IP65	
protection rating <sup>3</sup>	IP40	
Ambient operating temperature range	5 – 40	°C
max. relative air humidity for operation <sup>8</sup>	90	%

<sup>1</sup> mains side

<sup>2</sup> converter

<sup>3</sup> LED-module

<sup>4</sup> Photosynthetic Photon Flux LED-module (400-800nm)

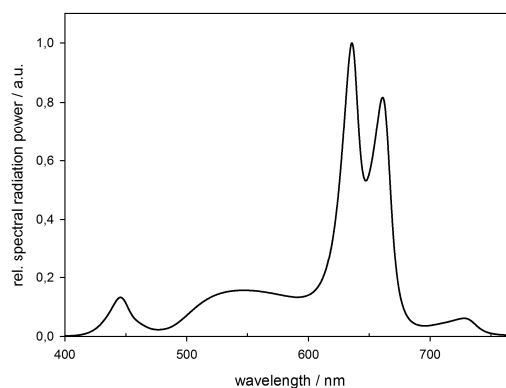
<sup>5</sup> PPF per Watt electrical power consumption LED-module

<sup>6</sup> PPF per Watt electrical power consumption mains side

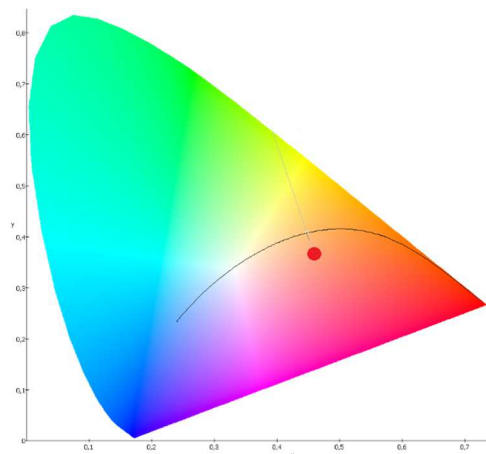
<sup>7</sup> according to CIE 1931

<sup>8</sup> non-condensing

Spectral Power Distribution



Colour Space Location According to CIE 1931



For maximum cost effectiveness and efficiency of the overall illumination system we strongly recommend an individual light planning. Please contact us via [support@sanlight.info](mailto:support@sanlight.info).