



Switch

GROW SOLUTIONS

SGS Tri-Proof

Tri-Proof Enhanced LED Grow Light



Input Power

100 - 277 Volts AC

20 Watts

Efficacy

White - 105 LM/W / Mixed - 15 LM/W

Luminous Flux

White 2100 Lumens / Mixed 270 Lumens

+/- 10%

Beam Angle Options

140°

Color Rendering Index

85 CRI

Color Temperature (CCT)

4000K / Mixed color White Red(620nm) & Blue(450nm)

Powerful & Efficient SMD LED Module

50,000 Hours of Continuous Use



Growing Enhancement

The Switch Grow LED lights utilize proprietary technology to produce a full spectrum of white light technology for superior vegetation and flowering growth. Our commitment to sustainability is demonstrated in every step of engineering, design and manufacturing of our full spectrum, low wattage, low heat line of LED grow lighting.

LED grow lights produce an artificial light that is able to replace sunlight. Cultivated under LED lighting, vegetables and plants can promote faster growth with no influence of seasonal variation. By mimicking the natural environment the LED grow lights offer various beneficial wavelengths for plants and vegetables. Plants can conduct photosynthesis as successfully as under normal outdoor conditions. LED plant grow lights generate safe and nutritious food.

ADVANCED SOLUTIONS FOR SERIOUS GROWERS

www.SwitchGROW.com



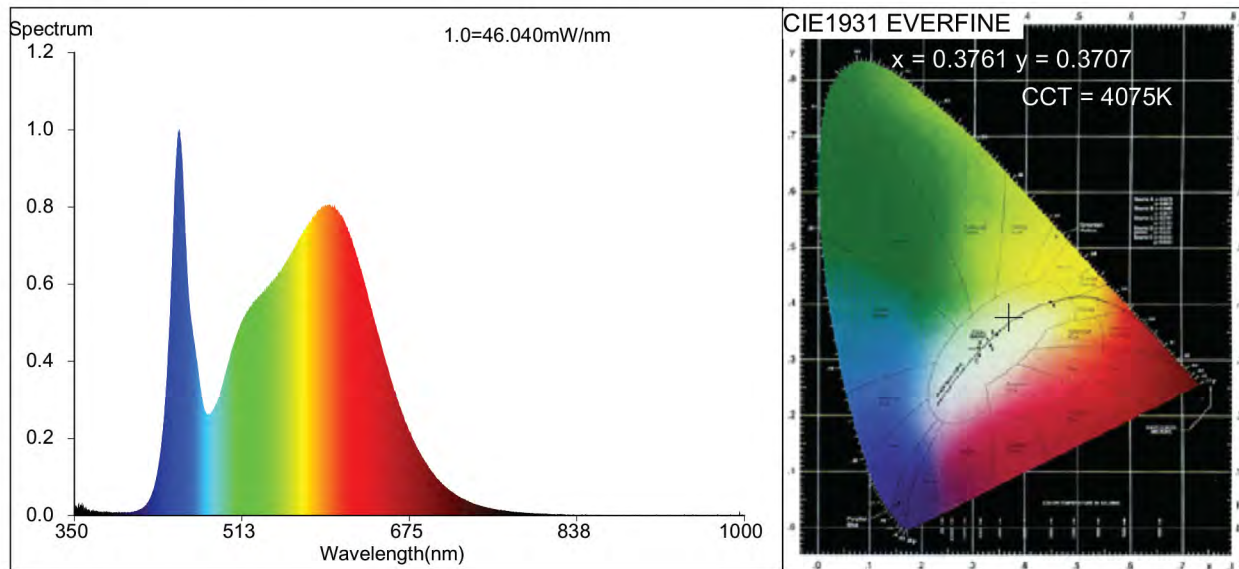
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Spectrum Test Report (4ft 20W 4000K Dimmable)



Color Parameters:

Chromaticity Coordinate: $x=0.3761$ $y=0.3707$ $u'=0.2247$ $v'=0.4983$

CCT=4075K(Duv=-0.0016) Dominant WL:Ld =579.7nm Purity=24.1%

Ratio:R=18.5% G=77.6% B=3.9% Peak WL:Lp=451.7nm FWHM=21.1nm

Render Index:Ra=85.0 CRI=79.2 Avg R=79.1

R1 =84 R2 =92 R3 =96 R4 =84 R5 =84 R6 =88 R7 =86

R8 =67 R9 =17 R10=80 R11=83 R12=65 R13=86 R14=98 R15=79

Photo Parameters:

Flux = 2133 lm Eff. : 104.95 lm/W Fe = 6.608 W

Electrical parameters:

V = 240.30 V I = 0.08918 A P = 20.32 W PF = 0.9483

LEVEL:OUT WHITE:ANSI_4000K

Status: Integral T = 1924 ms Ip = 46303 (71%)

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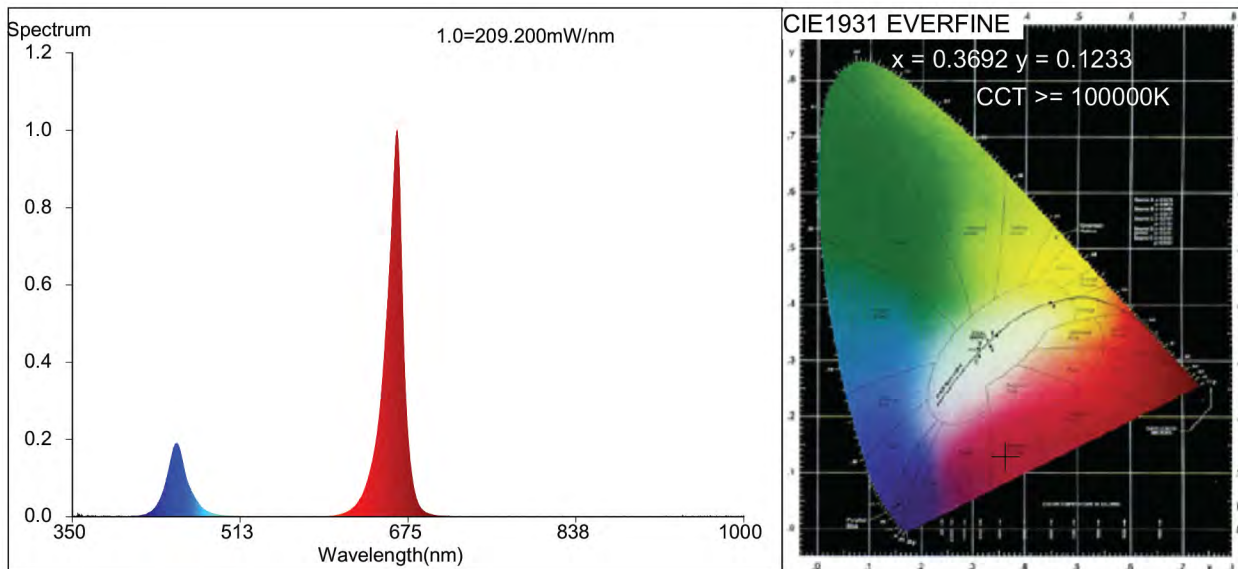
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Spectrum Test Report

(4ft 20W Mix Dimmable)



Color Parameters:

Chromaticity Coordinate: $x=0.3692$ $y=0.1233$ $u'=0.3948$ $v'=0.2966$

CCT=100000K(Duv=-0.2247) Dominant WL:Ld =-545.1nm Purity=53.8%

Ratio:R=85.4% G=2.1% B=12.5% Peak WL:Lp=664.1nm FWHM=16.5nm

Render Index:Ra=0.0 CRI=0.0 AvgR=0.0

R1 =0 R2 =0 R3 =0 R4 =0 R5 =0 R6 =0 R7 =0

R8 =0 R9 =0 R10=0 R11=0 R12=0 R13=0 R14=0 R15=0

Photo Parameters:

Flux = 264.0 lm Eff. : 13.42 lm/W Fe = 5.377 W

Electrical parameters:

V = 240.29 V I = 0.08650 A P = 19.67 W PF = 0.9464

LEVEL:OUT WHITE:OUT

Status: Integral T = 481 ms Ip = 52412 (80%)

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