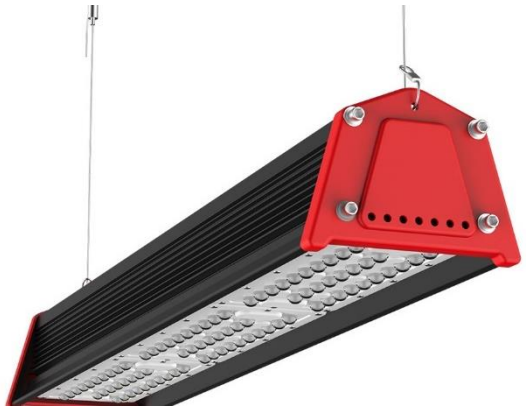
MTGL
MetroTech Grow LED

Project:	
Catalog #:	
Type:	



Horticulture Performance

- High Efficiency Lighting Design
- Lowest Cost/Square Foot Average <5 Watt/Sq.Ft
- Photosynthetic:PPF:45.103umol/s
- PAR WATT:9535.5mW(400-700nm)
- Photons1:1.083e+001 umol/s(400~500nm)
- Photons2:3.199e+001 umol/s(600~700nm)

APPLICATIONS

- Horticultural Lighting
  - Floral
  - Medicinal
  - Fruits & Vegetables

FEATURES & SPECIFICATIONS

Optical Data

• System Efficacy	175lm/w
• Beam Angle	30°x70°, 60°x90°, 120°
• System Efficiency	90%
• Life Span:	>50,000hrs

Electrical Data

• Input Voltage	AC100~277V, 347V, 480V
• Output Voltage	DC24~48V

Fixture Data

• Ingress Protection	IP65
• Operating Temperature	-30~+50℃
• Operating Humidity	15~90%RH
• Warranty	5 Years

Options

• Installation Methods	Aircraft Cable Hanging / Ceiling Mounting
• Intelligent Control	DALI control / Microwave sensor / Zigbee wireless

MetroTech	Series	Watt	Voltage	CCT	Optics	Accessories	Internal
MT	GL Grow Light	30	1 110-277	SP Special Grow	1 30°x70°	X N/A	1
		60	2 347		2 60°x90°	Z Zigbee	
		90	3 480		3 120°	D Dali	
		120					
		150					
		180					

MetroTech
Media & Lighting

ILLUMINANCE

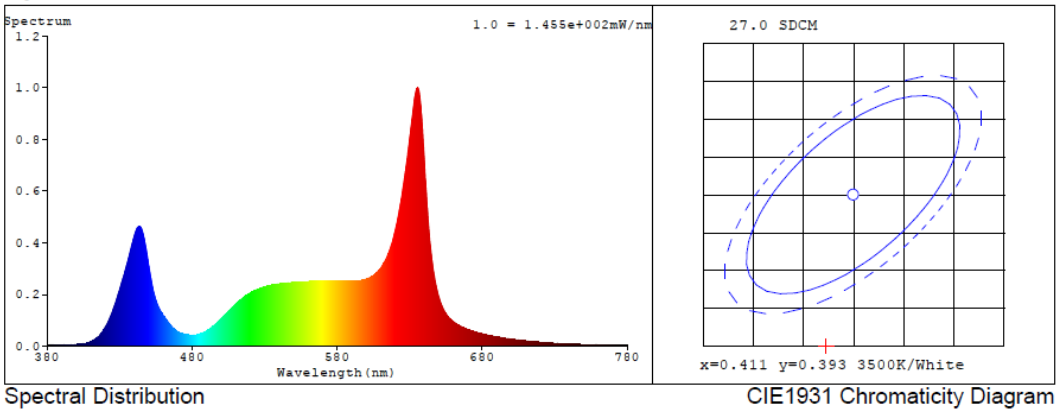
Spectrum Test Report

Sample	:	Date	: 2016-09-12 17:29:36
Specification	: 植物灯	Sam. Status	:
Sample No.	: 11	Instrument	: HaasSuite(EVERFINE)
Manufacturer	:	Test by	:
		Assessor	: damin

Test Condition

Temprature	: 25.3Deg	RH	: 83.0%
WL Range	: 380nm-780nm	IP	: 52162 (80%)
Test Mode	: Fast Test	T	: 143 ms
		Sensitivity	: Low

Spectrum



Spectral Distribution CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: x = 0.4083 y = 0.3368 / u' = 0.2624 v' = 0.4869 (duv=-2.56e-02) Dx,Dy:0.0000,0.0000
CCT= 2912K Prcp WL: Ld=605.9nm Purity=23.6%
Peak WL: Lp=636nm FWHM: =20.7nm Ratio:R=28.5% G=69.0% B=2.5%

Render Index: Ra = 83.0 CRI = 80.7 AvgR = 80.3

R1 =82	R2 =93	R3 =82	R4 =75	R5 =83	R6 =90	R7 =87	
R8 =72	R9 =45	R10=92	R11=72	R12=87	R13=84	R14=87	R15=75

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 3946.2 lm Eff. : 179.46 lm/W Fe = 13.947 W Scotopic:5890.7 S/P:1.4928
Photons1:1.083e+001 umol/s(400~500nm) Photons2:3.199e+001 umol/s(600~700nm)
Photosynthetic:PPF:45.103umol/s PAR WATT:9535.5mW(400-700nm)

Electrical parameters

V = 36.65 V I = 0.6000 A P = 21.99 W PF = 1.000