# NOVETE®

G6630 Multi-Color WIFI Grow Light

A patent pending LED grow lights featuring with dark red, dark blue and white color to provide various spectrum for urban farming application. The light colors and its density could be remotely control switching to adequate for gemination and vegetative stage through WPANs (wireless personal area networks) gateway.

CE   RoHS   IP66 Weatherproof   AC100V AC240V   DIMMING ALLOWED   ♺
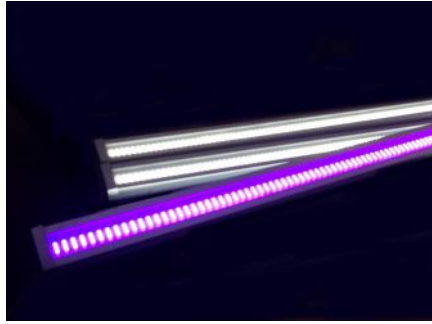
General Characteristic

Body structure	6063 aluminium alloy
Thermal management	Integrated with housing
Diffuser	Clear tampered glass
Rated life span	≥50000 hours (accumulative)
Ingress protection	IP66
Industrial standard	EMC Directive 2004/108/EC
Certification	CE, FCC, RoHS
Operation temp	-40° ~+60°C (max)
Relative moisture	10% ~ 90%
Length overall	1200mm
Sectional dimension	68 x 40mm (width x height)
Total harmonic distortion	<15%
Electrical wire	7 x 0.75mm² RVV sheathed wire
Power interface	Allow serial interface up to 8 lights per group (max)

Light Characteristic

Light source	SMD2835 (high intensity chips)
Color rendering index	Ra ≥80
Color temperature (white)	6000~6500K/full spectrum (optional)
Luminous efficacy	5200 lumen
Peak wavelength (red)	664nm
Peak wavelength (blue)	452nm
Color switching pattern	All red, all blue, red/blue/white mix, red/blue mix, all white
Beam angle	120 degrees
RF interference	NO

Electrical Characteristic

Input voltage	90~265VAC, 47/63Hz
Input current	0.198A (230V)
Output voltage	45V
Output current	0.91A
Rated power	40W (white)
	20W (red)
	20W (blue)
Power factor	PF ≥0.95
Efficiency of power source	>87%
Power efficiency	>85%

AVERAGE BEAM ANGLE (50%): 112.9 DEG
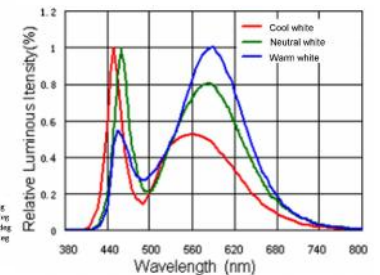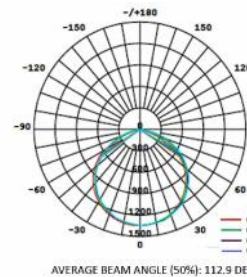
Wireless communication system

Network	Wi-Fi ZigBee gateway (GSM)
Gateway	IEEE 802.15.4 working on 2.4GHz radio band
Platform	Android OS
Protocol version	ZibBee 2007/PRO
Coordinator device	ZigBee routers (USB v3.1 type C)
Transmission distance	30 meter radius
Input voltage	5Vdc
Frequency	2.4G
Rx sensitivity	-97dBm
Operation temperature	-20°C ~ 70°C
Operating software	iLightsin (free downloaded from Google Play Store)