



LORLights

Technical Sheet LORLights

Device functions
Display TFT 4" at 65.000 colours with touch screen
7 function keys
Power input
Exits PWM for driving led bars
Integrated WiFi
Up to 4 areas with independent programming via LORLights Extender modules
LORLights extender modules connection via Wifi or expansion bus
2 automatic modes for each area
2 manual modes for each area
Integrated humidity and temperature sensor
Moon phases simulation
Simulation of sunrise, day and sunset sunlight by means of cold and warm light LEDs
UV led management: timing and intensity
Night inspection mode
System clock with CR2032 buffer battery
Integrated web server for configuration via web browser
WiFi Access Point mode for configuration via web browser
Device SW update via web browser
Led bar and distributor functions
safe and easy wiring via RJ12 jack connectors on the distributors and the LED bars
Magnet for simple attachment to aviaries
Transparent plastic protection
Distributor to connect up to 4 LED bars

Platform and app functions	
Real-time management of multiple devices both locally and remotely from a single interface	
Historical data of the farm for each control unit and for each area with a frequency of 15 ': LED intensity, temperature, humidity, phase (sunrise, day, sunset, night)	
Automatic notifications of phase changes of the day on your smartphone	
No configuration on the router	
Available for Android and iOS	
Technical features	
Power supply with LORLights led bars	12Vdc
Power supply to other led bars	12Vdc/24Vdc
Uscite PWM	
Frequency	256Hz
Maximum current per output	4A
WiFi interface	
Managed protocols	802.11 b/g/n (802.11n till up to 150 Mbps)
Aggregation type	A-MPDU and A-MSDU Guard interval support 0.4 s
WiFi frequency ranges	2.4 GHz ~ 2.5 GHz
Led bars and distributor	
White led	Lambda D: X:0.32 Y:0.33 min. 2100 mcd @20mA angle 120°
Warm white led	Lambda D: X:0.43 Y:0.40 min. 2000 mcd @20mA angle 120°
Blue led	Lambda 465/470 nm min. 300 mcd @20mA angle 120°
Led UV-B	Lambda 295 nm Optical power transmitted 2mW@20mA angle 120°
Environmental data	
Temperature	from 0° to 55° C
Humidity	from 15% to 90% RH
Dimensions	
Width	90 mm
Length	142 mm
Height	32.2 mm