



## Intelligent Full Color RGBW LED Driver (Constant Voltage)

- Small size and light weight. The housing is made from V0 flame retardant PC materials that SAMSUNG/COVESTRO uses.
- The clamshell design and screwless type for strain-relief. The design of dismountable end cap allows you to adjust the length of housing depending on your needs.
- Dimming from 0~100%, down to 0.1%.
- Dimming interface: DMX512/RDM, DALI-2 DT8, Push.
- Energy-efficient driver: Efficiency 93%, PF>0.98, THD<6%.
- Comply with the EU's ErP Directive, stand-by power consumption<0.5W.
- The secure and reliable design for signal isolation.
- Innovative thermal management technology intelligently protects the life of the LED driver.
- Overheat, overvoltage, overload, short circuit protection and automatic recovery.
- Up to 50,000-hour life time.
- 5-year warranty (Rubycon capacitor).




**Flicker-free**  
IEEE 1789  
Achieve the high frequency exemption level


**Dimmable**  
1:1000



0-100% dimming range



RGBW color light adjustment



The certification icon represents on-going certification applications only, and final certification qualification is subject to actual products.



## Technical Specs

<b>Model</b>	LM-150-24-G4K3			
<b>Features</b>	Output Type	Constant Voltage		
	Dimming Interface	DMX512/RDM, DALI-2 DT8, Push[It can be customized to DALI-2 DT6 via OEM]		
	Output Feature	Isolation		
	Protection Grade	IP20		
	Insulation Grade	Class II [Suitable for class I/ II /III tight fixtures]		
<b>OUTPUT</b>	Output Voltage	24Vdc		
	Output Voltage Range	24Vdc ± 0.5Vdc		
	Output Current	Max. 6.25A [1.56Ax4CH]		
	Output Power	Max. 150W		
	Output Power Range	0~150W		
	Strobe Level	High frequency exemption level		
	Dimming Range	0~100%, down to 0.1%		
	Overload Power Limitation	>102%		
	Ripple	Switch ripple<150mV, noise<300mV		
	PWM Frequency	3600Hz		
<b>INPUT</b>	DC Voltage Range	200-280Vdc		
	AC Voltage Range	198-264Vac		
	Rated Voltage	220-240Vac		
	Frequency	50/60Hz		
	Input Current	≤0.75A/230Vac		
	Power Factor	PF>0.98/230Vac [at full load]		
	THD	THD<6%@230Vac [at full load]		
	Efficiency (typ.)	93%		
	Standby power consumption	<0.5W		
	Inrush Current	Cold start 45A@230Vac [Test twidth=840us tested under 50% Ipeak]		
	Anti Surge	L-N: 2KV		
	Leakage Current	Max. 0.5mA		
<b>ENVIRONMENT</b>	Working Temperature	ta: -20 ~ 50°C tc: 85°C		
	Working Humidity	20 ~ 95%RH, non-condensing		
	Storage Temperature/Humidity	-40 ~ 80°C, 10-95%RH		
	Temperature Coefficient	±0.03%/°C [0-50°C]		
	Vibration	10-500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively		
<b>PROTECTION</b>	Overheat Protection	Intelligently adjust or turn off the output current if the PCB temperature ≥110°C, and recover automatically		
	Overload Protection	Shut down the output when current load>102%, and recover automatically		
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically		
	Overvoltage Protection	Shut down the output when non-load voltage>28V, and recover automatically		
<b>SAFETY &amp; EMC</b>	Withstand Voltage	I/P-O/P: 3750Vac		
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH		
	Safety Standards	CCC	China	GB19510.1, GB19510.14
		CE	European Union	EN61347-1, EN61347-2-13
	EMC Emission	CCC	China	GB/T17743, GB17625.1
		CE	European Union	EN55015, EN61000-3-2, EN61000-3-3, EN61547
EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547			
Strobe Test Standard	IEEE 1789			
<b>OTHERS</b>	Gross weight[G.W]	430g±10g		
	Dimensions	352×43×30mm{L×W×H}		

The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip). The inrush current will be dozens of times increased if connecting built-in constant current IC current-limiting LED fixtures, the driver will activate the overloaded protection [hiccup flickering]. When you order, please remark controlling the constant current LED fixture (e.g. MR16 lamp, underground light, LED wall washer, constant current LED strip, etc.), so that we can prepare them with special procedures.