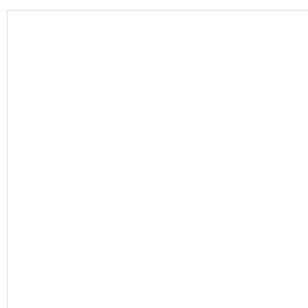




Associated products



LX-DGA00-209-55-T

LX-DGA00-314-55-T

LX-DGA00-416/418/422-55-T

LX-DGA00-524-55-T

- LMX LED tubes have integrated colour-coded voltage verification function, ensuring accurate installation.
- Compliant with the Low Voltage Directive over multiple voltage input options. High energy saving through low power consumption.
- Enhances safety protocols, and streamlines upkeep operations.
- Designed & tested to Railway Rolling Stock stringent standards; EN50155, EN50121-3-2, EN61373, EN45545, EN60081, EN60529 and RIA1.

LMX LED's T5 LED tube serves as a direct replacement for T5 fluorescent tubes, offering high reliability through advanced LED and driver technology with integrated drive electronics. These tubes provide substantial energy savings and require no maintenance. They deliver bright, flicker free lighting with instant start capabilities, our T5 Rolling Stock Led Lights contribute to a well-lit and electricity-green railway network. High-efficiency optical output with stable performance over long operating cycles equals a reduction in power consumption and maintenance intervention frequencies. Temperature, vibration, humidity, shock, voltage fluctuation requirements met. High CRI and uniform illumination.

<https://lmxled.co.uk/product/t5-tube/>

The most efficient LED lighting available in the UK and Europe.

Case Study Project

Alstom Rail required a compliant LED retrofit system to replace legacy fluorescent lighting across selected rolling stock fleets. Compatibility with existing luminaires and wiring. The new system needed to meet strict railway electrical, safety and EMC standards, while delivering improvements in energy efficiency, reliability, and passenger comfort.

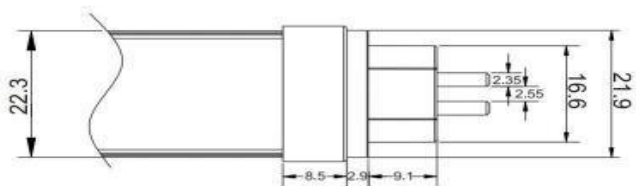
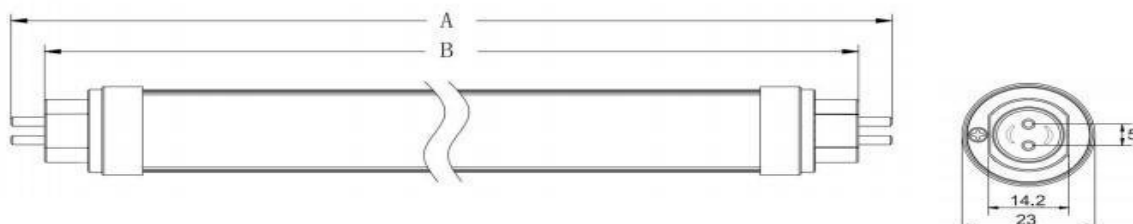
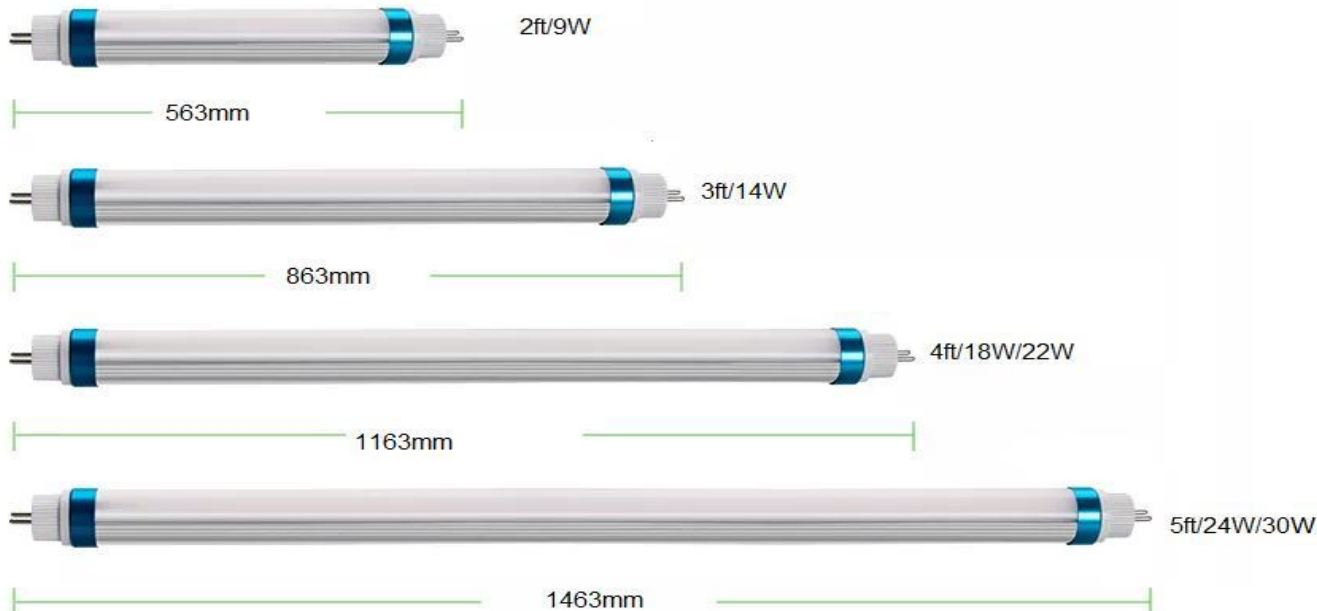
Review

"We have purchased rolling stock rail tubes from LMX LED and were highly impressed with both the product quality and their professionalism. They answered all our technical questions clearly, and the tubes passed our strict compliance requirements with ease. Excellent service and a smooth overall experience."

Patrick Bernard
System Engineer - Alstom

Data	LX-DGA00-209-55-T, LX-DGA00-314-55-T, LX-DGA00-416/418/422-55-T, LX-DGA00-524-55-T
Input Power	9W / 14W / 16W / 18W / 22W / 24W
Efficiency	160 lm/W based on 4000K / 5000K / 6500K
Lumen Maintenance	L90 > 54,300 hrs / L80 > 108,000 hrs
CRI (Colour Rendering Index)	>80 or >90
Colour Temperatures available	3000K / 4000K / 5000K / 6500K / OEM
Input Voltage	DC24V / DC72V / DC110V / AC230V /50-60Hz
Voltage Range	16-36V / 50-100V / 75-154V / 165-275V
Power Factor (PFC)	>0.9
Flicker	Flicker Free
Length	563mm / 863mm / 1163mm / 1463mm / x 22mm or OEM
Weight	132g / 176g / 225g / 250g
Connector	G5 Lamp Holder
IP Rating	IP40
Operating Temperature	-25°C to +70°C (advice 25°C)
Storage Temperature	-30°C to 80°C
Designed Service Life	50,000 hrs
MTBF of Driver	806,026 hrs
Switch Cycles	50,000
Standards	EN 50155, EN 50121-3-2, EN 61373, EN 45545, EN 60081, EN 60529, RIA 12, Low Voltage Directive

T5 Led Tube Size and Power



	2ft	3ft	4ft
	549 Dimension	849 Dimension	1149 Dimension
A	563mm	863mm	1163mm
B	549mm	849mm	1149mm