

LED LIGHTING
FOR THE RAIL INDUSTRY



GAOPIN



GAOPIN's range of LED lighting products are designed to cover a wide variety of Railway applications that have been developed and approved to meet railway rolling stock standards.

Our LED products are easy and safe to fit into new and existing light fittings. They offer all the benefits of LED technology, long life and low power consumption, therefore reducing life cycle costs and your environmental impact.

INNOVATIVE DESIGN WITH PROVEN LED PERFORMANCE

GAOPIN LED Lights have all been designed & tested to meet Railway Rolling Stock stringent standards

- EN50155 Rolling Stock Electronic Equipment
- EN50121-3-2 Railway Electro-Magnetic Compatibility
- EN61373 Railway application Shock & Vibration
- EN45545 Fire protection (VO & LSZH compliance)
- EN60081 Double capped tubes dimensional compliant
- EN60529 IP40 ingress protection

- Five Year Warranty
- Lifetime Maintenance Free
- Compliant with the Low Voltage Directive
- High Brightness LED Technology
- Energy Saving- Low Power Consumption
- Quality Technical Support
- Multiple voltage input options



T8 LED TUBE LIGHTS

GAOPIN T8 Series LED tubes lighting that incorporates a unique adjustable lockable endcap, Allowing for fast and repeatable installation to optimise the direction of light distribution. Designed to connect directly to common voltage supplies available in passenger rolling stock and eliminating the need for costly inverters.



Type	Power	Size	Voltage	Lumen	Ra	CCT
GP-RT8-06-24V-9W	9W	602*Φ26		1440lm		
GP-RT8-09-24V-14W	14W	906*Φ26		2240lm		
GP-RT8-12-24V-16W	16W		DC24V	2560lm	> 80	WW:3000K
GP-RT8-12-24V-18W	18W	1212*Φ26	(16V-36V)	2880lm		NW:4000K
GP-RT8-12-24V-22W	22W			3520lm		PW:5000K
GP-RT8-15-24V-24W	24W	1512*Φ26		3840lm		CW:6000K
GP-RT8-06-72V-9W	9W	602*Φ26		1440lm		
GP-RT8-09-72V-14W	14W	906*Φ26		2240lm		
GP-RT8-12-72V-16W	16W		DC72V	2560lm	> 80	WW:3000K
GP-RT8-12-72V-18W	18W	1212*Φ26	(50V-100V)	2880lm		NW:4000K
GP-RT8-12-72V-22W	22W			3520lm		PW:5000K
GP-RT8-15-72V-24W	24W	1512*Φ26		3840lm		CW:6000K
GP-RT8-06-110V-9W	9W	602*Φ26		1440lm		
GP-RT8-09-110V-14W	14W	906*Φ26		2240lm		
GP-RT8-12-110V-16W	16W		DC110V	2560lm	> 80	WW:3000K
GP-RT8-12-110V-18W	18W	1212*Φ26	(75V-154V)	2880lm		NW:4000K
GP-RT8-12-110V-22W	22W			3520lm		PW:5000K
GP-RT8-15-110V-24W	24W	1512*Φ26		3840lm		CW:6000K
GP-RT8-06-230V-9W	9W	602*Φ26		1440lm		
GP-RT8-09-230V-14W	14W	906*Φ26		2240lm		
GP-RT8-12-230V-16W	16W		AC230V 50/60Hz	2560lm	> 80	WW:3000K
GP-RT8-12-230V-18W	18W	1212*Φ26	(165V-275V)	2880lm		NW:4000K
GP-RT8-12-230V-22W	22W			3520lm		PW:5000K
GP-RT8-15-230V-24W	24W	1512*Φ26		3840lm		CW:6000K

T5 LED TUBE LIGHTS

GAOPIN T5 LED tube, a direct replacement for T5 fluorescent tubes. With high reliability LED and driver technology and built in drive electronics, these tubes offer significant energy savings and zero maintenance costs. High Brightness and flicker free lighting with an instant start.



Type	Power	Size	Voltage	Lumen	Ra	CCT
GP-RT5-06-24V-9W	9W	563*Φ16		1440lm		
GP-RT5-09-24V-14W	14W	863*Φ16		2240lm		
GP-RT5-12-24V-16W	16W		DC24V	2560lm	> 80	WW:3000K
GP-RT5-12-24V-18W	18W	1163*Φ16	(16V-36V)	2880lm		NW:4000K
GP-RT5-12-24V-22W	22W			3520lm		PW:5000K
GP-RT5-15-24V-24W	24W	1463*Φ16		3840lm		CW:6000K
GP-RT5-06-72V-9W	9W	563*Φ16		1440lm		
GP-RT5-09-72V-14W	14W	863*Φ16		2240lm		
GP-RT5-12-72V-16W	16W		DC72V	2560lm	> 80	WW:3000K
GP-RT5-12-72V-18W	18W	1163*Φ16	(50V-100V)	2880lm		NW:4000K
GP-RT5-12-72V-22W	22W			3520lm		PW:5000K
GP-RT5-15-72V-24W	24W	1463*Φ16		3840lm		CW:6000K
GP-RT5-06-110V-9W	9W	563*Φ16		1440lm		
GP-RT5-09-110V-14W	14W	863*Φ16		2240lm		
GP-RT5-12-110V-16W	16W		DC110V	2560lm	> 80	WW:3000K
GP-RT5-12-110V-18W	18W	1163*Φ16	(75V-154V)	2880lm		NW:4000K
GP-RT5-12-110V-22W	22W			3520lm		PW:5000K
GP-RT5-15-110V-24W	24W	1463*Φ16		3840lm		CW:6000K
GP-RT5-06-230V-9W	9W	563*Φ16		1440lm		
GP-RT5-09-230V-14W	14W	863*Φ16		2240lm		
GP-RT5-12-230V-16W	16W		AC230V 50/60Hz	2560lm	> 80	WW:3000K
GP-RT5-12-230V-18W	18W	1163*Φ16	(165V-275V)	2880lm		NW:4000K
GP-RT5-12-230V-22W	22W			3520lm		PW:5000K
GP-RT5-15-230V-24W	24W	1463*Φ16		3840lm		CW:6000K

SPECIFICATION

LED TUBE LIGHTS

Technical Specifications

Product Name	T5 LED Tube Light	T8 LED Tube Light
Type	GP-RT5-xx-xxV-xxW	GP-RT8-xx-xxV-xxW
Size mm	563*Φ26、863*Φ26、1163*Φ26、1463*Φ26	602*Φ26、906*Φ26、1212*Φ26、1512*Φ26
Power	5W to 30W	
Lamp Holder	G5	G13
Lighting Effect	100lm/W to 180lm/W	
Ra	>80 (Optional Ra>90)	
CCT	WW:3000K	NW:4000K PW:5000K CW:6000K
Angle	120°	
Flicker free	Yes	
Dimmable	No	
Input Voltage	DC24V (16V-36V) DC72V (50V-100V) DC110V (75V-154V) AC230V 50/60Hz (165V-275V)	
PFC	>0.9	
Power Efficiency	>85%	
Voltage withstand	1500V (AC)	
Operation Temperature	-25°C to 70°C (Advise 25°C)	
Storage Temperature	-30°C to 80°C (Advise 25°C)	
Relative Operation Humidity	10%RH to 90%RH	
Height Above Sea Level	-100m to 3000m	
IP	IP40	

GAOPIN Lighting

SUPPLYING THE RAIL INDUSTRY



OEM and ODM LED Lighting

GAOPIN

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