

LEDlink

STAR24
27524 G2



OSRAM diodes
5-year warranty
up to 193 lm/W

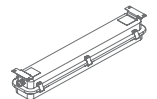
INDUSTRIAL LED MODULES



HIGH PERFORMANCE



ARCHITECTURAL
BACKLIGHT

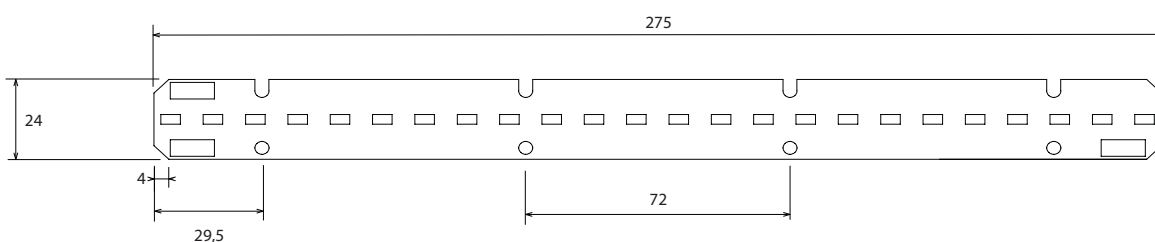


SMALL DEPTH
LIGHT PROJECTS

Typical applications: ideal for the construction of linear light lamps

The STAR24_{27524 G2} module is designed for applications in the production of lighting fixtures, public utility lighting, warehouse areas, display lighting, large retail stores, and workstations. The OSRAM diode used ensures a high luminous flux of 1550 lm at 350 mA and an efficiency of up to 193 lm/W.

DIMENSION [mm]



350 mA
MAX

120°

50 000h



Distributor:
STEJA lighting
www.steja.de



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www.ledlink.de
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TECHNICAL DATA

Type	STAR24 _{27524 G2}						
	W65K	W57K	W50K	W40K	W35K	W30K	W27K
Symbol	M212172-G2	M212152-G2	M212142-G2	M212132-G2	M212122-G2	M212112-G2	M212102-G2
Color	white 6500K	white 5700K	white 5000K	white 4000K	white 3500K	white 3000K	white 2700K
Voltage* [V DC]	21,8-24,1V	21,8-24,1V	21,8-24,1V	21,8-24,1V	21,8-24,1V	21,8-24,1V	21,8-24,1V
Current [mA]	200-350	200-350	200-350	200-350	200-350	200-350	200-350
Power consumption* [W]	7,62-8,43	7,62-8,43	7,62-8,43	7,62-8,43	7,62-8,43	7,62-8,43	7,62-8,43
Luminous flux* [lm]	~1550	~1550	~1550	~1550	~1550	~1550	~1550
Light output* [lm/W]	up to 193	up to 193	up to 193	up to 193	up to 193	up to 193	up to 193
Beam angle [°]	120	120	120	120	120	120	120
Protection degree	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Temperatura pracy [°C]	-40 - +65	-40 - +65	-40 - +65	-40 - +65	-40 - +65	-40 - +65	-40 - +65
LEDs	OSRAM	OSRAM	OSRAM	OSRAM	OSRAM	OSRAM	OSRAM
LEDs type	DURIS E5	DURIS E5	DURIS E5	DURIS E5	DURIS E5	DURIS E5	DURIS E5
Dimensions [mm]	275x24	275x24	275x24	275x24	275x24	275x24	275x24
Quantity of LEDs [pcs.]	24	24	24	24	24	24	24
Max. Number of modules in series [pcs.]	7	7	7	7	7	7	7
Lifetime [h]	50.000	50.000	50.000	50.000	50.000	50.000	50.000
Warranty [mth.]	60	60	60	60	60	60	60

* at the nominal supply current of the module STAR24_{27524 G2} (350mA)

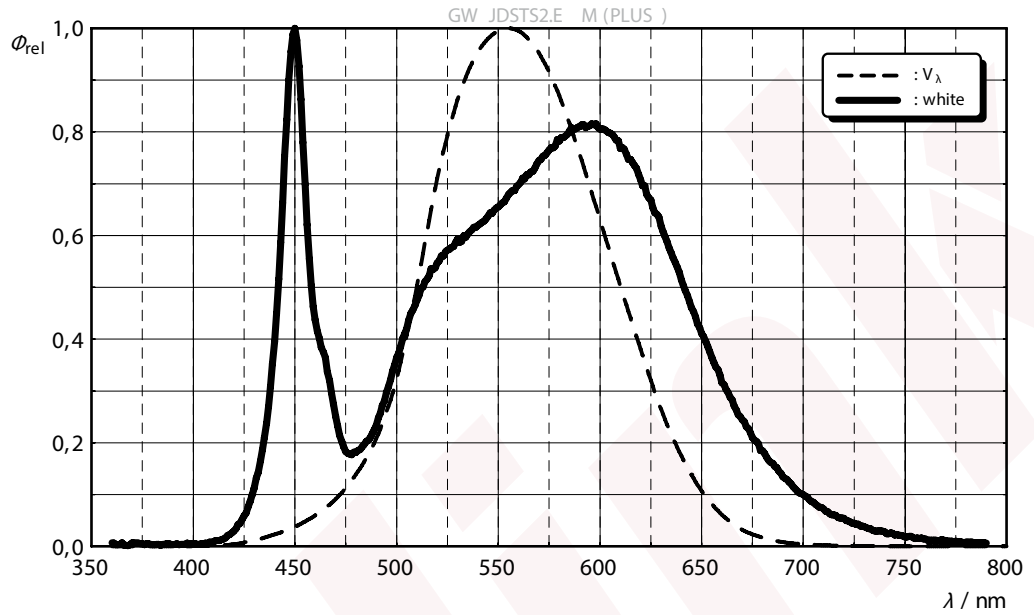
CONSTRUCTION

Current [mA]	Supply voltage (+/-5%) [V] DC @25°C	Maximum power (+/- 5%) [W]	Luminous flux [lm] @25°C	Luminous flux [lm] @50°C	Luminous efficacy [lm/W] @25°C	Luminous efficacy [lm/W] @50°C
200	22,08	4,41	894	863	205.2	199.7
250	22,4	5,6	1117	1077	201.1	195.7
300	22,64	6,79	1335	1287	197.1	191.8
350	22,96	8,03	1553	1498	193.6	188.3



Relative Spectral Emission

$$\Phi_{rel} = f(\lambda); I_F = 65 \text{ mA}; T_J = 25 \text{ }^\circ\text{C}$$



Parameter LxBy for STAR24 27524 G2

Module supply current [mA]	Parameter L90B50 @55°C [h]	Parameter L90B50 @85°C [h]	Parameter L80B50@ 65°C [h]	Parameter L80B50 @85°C [h]	Parameter L70B50 @65°C [h]	Parameter L70B50 @85°C [h]
350	60 000	25 000	>100 000	>100 000	>100 000	>100 000

