



LED

GENERAL CHARACTERISTICS

- pleasant diffuse characteristic
- passive cooling
- high light transmission of microprismatic diffuser
- high colour rendering index (CRI>80)
- available in 3000K and 4000K
- on request 2700K and 5000K
- light output range 2100lm and 3700lm
- on request – different luminaire dimensions, or installation type
- long lifetime 50.000 hours (L70/B50)
- harmless towards illuminated objects – zero UV and IR radiation
- considerate to environment – without mercury content
- application areas – offices, classrooms, banks, stores, corridors, showrooms, hospitals, meeting rooms

VALUE FOR PRICE

- 1 market leading ratio between price, performance and quality
- 2 high luminous efficiency, low power consumption
- 3 low weight 3,6kg, do not stress the ceiling construction
- 4 quality OSRAM LED technology - 170lm/W
- 5 enclosed optical system prevents dirt contamination- easy maintenance, constant photometric characteristics
- 6 excellent lighting characteristics
- 7 top of luminaire housing made of aluminium – excellent cooling ability
- 8 product fully manufactured and assembled in Slovakia

SPARTAN

Ready to win the LED battle.

THE MODEST WARRIOR.

SPARTAN with the OSRAM LED technology (170lm/W) reaches the double system efficiency compared to fluorescent predecessors. Special emphasis was given to product price, that represents today the lowest limit for entering into the world of branded european LED technology. However, none of relevant technical parameters were suppressed on the expense of price. The luminaire thus offers not only ultra low power consumption, but also high colour rendering index CRI>80, required by the standard in interior applications. Available in two light outputs 2.100lm and 3.700lm replaces the most used fluorescent versions 4x18W resp. 4x14W, by significantly lower power consumption.

Recessed luminaire with high-efficient LED modules, dedicated for installation into T-bar ceilings, plasterboard ceilings or any other type of false ceilings. Functional design in combination with high light output offers the full-value alternative to fluorescent luminaires. Optical system created by microprismatic diffuser provides pleasant diffuse characteristics of radiated light.

THE MOST MODERN LED MODULES FROM RENOWNED PRODUCER

- colour rendering index more then 80 guarantees very good colour perception and colour recognition in illuminated space
- luminous flux 2100lm and 3700lm
- available in 3000K and 4000K
- on request 2.700K and 5.000K

DOUBLE PARABOLIC LED LOUVRE MADE OF MATT ANODISED ALUMINIUM

- high level of prevention against glare
- UGR<19
- high optical efficiency of the fixture
- excellent light distribution
- matt surface - classy look, no dust visible on the surface



SPARTAN

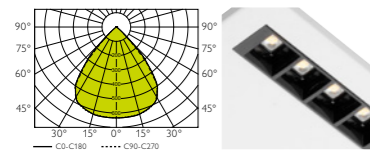
EVO RT600



Recessed solution for premium class office lighting with high-efficient LED modules, dedicated for installation into T-bar ceilings, plasterboard ceilings or any other type of false ceilings. Functional design in combination with high light output.

Luminaire housing made of 0,6mm sheet steel, white powder coated finish (RAL9003). Upper part of the luminaire made of aluminium plate, that serves as passive heat sink for employed LED modules. Increased protection of the optical part against dirt (IP40). Dark Light concept with UGR <16.

Lamp	LED
Cooling	PASSIVE
Class	I
Ingress protection	IP20
Weight	3kg



SPARTAN EVO 3730lm BL



INSTALLATION TYPE

- RT600 – recessed luminaire, ceiling with exposed grids, module size 600x600
- RT625 – recessed luminaire, ceiling with exposed grids, module size 625x625
- R – recessed luminaire, plasterboard ceiling
- SUR - surface mounted
- installation in to another ceiling types on request

OPTICAL SYSTEM

Discreet low glare solution combines square reflector elements and internal lenses for glare-free light. Optical system is made of PC/ABS, available in piano black or white finish. Internal lenses made of PMMA. Suitable for VDU workstations: luminance of light emitting area is in accordance with EN 12464-1.

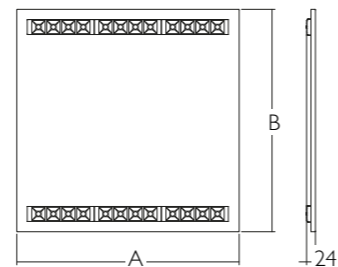
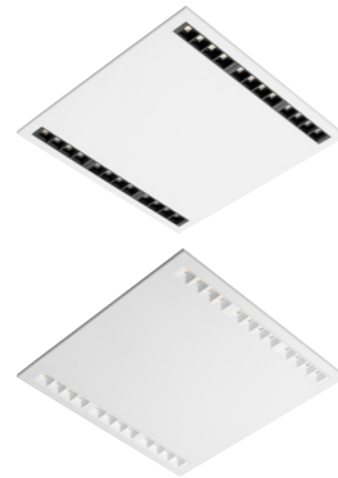
- BL – black
- WH – white

ELECTRICAL EQUIPMENT

- linear LED modules fixed inside aluminium housing
- integrated electronic LED driver
- terminal block with strain relief, max. 2,5mm²

OPTIONAL EQUIPMENT

- wiring with emergency unit (1 or 3h)
- wiring with dimmable electronic control gear (DSI, DALI)
- various colour finishing
- fast connectors (Wieland, Wago, Isodom)



Type*	System power (W)	Equivalent	A (mm)	B (mm)	kg
SPARTAN EVO RT600 LED 3730lm	31	4x14W T5	595	595	3
SPARTAN EVO RT600 LED 4320lm	36	2x28W T5	1195	295	3

* net lumen output of the luminaire by 4000K

CODE	TYPE	SPECIFICATION				
		cct	optics	cri	control gear	accessories
ST20RT60LE03730	SPARTAN EVO RT600 LED 3730lm	3000K	BL	80	ECG	M 3h
ST20RT60LE04320	SPARTAN EVO RT600 LED 4320lm	4000K	WH	90	DALI DIM 1-10V DSI	M 1h

SPARTAN

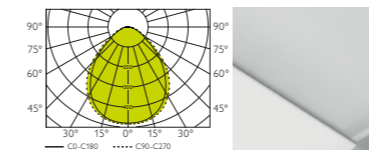
RT600, L RT600



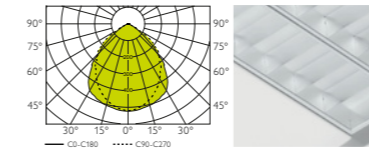
Recessed luminaire for ceilings with exposed grids, module size 600x600, 625x625 or plasterboard ceilings.

Luminaire housing made of 0,6mm sheet steel, white powder coated finish (RAL9003). Upper part of the luminaire made of aluminium plate, that serves as passive heat sink for employed LED modules. Increased protection of the optical part against dirt (IP40), pleasant diffuse lighting characteristics.

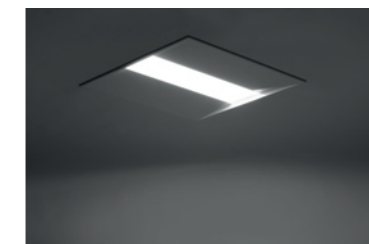
Lamp	LED
Cooling	PASSIVE
Class	I
Ingress protection	IP40
Weight	3,6 kg



SPARTAN 3700lm DMP



SPARTAN L 3700lm PML



INSTALLATION TYPE

- RT600 – recessed luminaire, ceiling with exposed grids, module size 600x600
- RT625 – recessed luminaire, ceiling with exposed grids, module size 625x625
- R – recessed luminaire, plasterboard ceiling
- SUR - surface mounted
- installation in to another ceiling types on request

OPTICAL SYSTEM

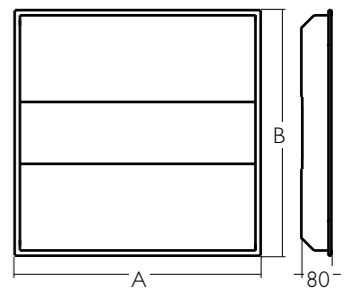
- DMP – microprismatic diffuser made of PMMA, semi-wide beam angle, increased glare prevention from side view
- PML (parabolic matt louvre) – matt, anodized, aluminium, double parabolic louvre

ELECTRICAL EQUIPMENT

- 2xLED module fixed at the bottom of luminaire housing
- electronic LED driver
- terminal block with strain relief, max. 2,5mm²

OPTIONAL EQUIPMENT

- wiring with emergency unit (1 or 3h)
- wiring with dimmable electronic control gear (DSI, DALI)
- various colour finishing
- fast connectors (Wieland, Wago)



Type*	System power (W)	Equivalent	A (mm)	B (mm)	kg
SPARTAN RT600 LED 2100lm	21	2x14W T5	595	595	3,6
SPARTAN RT600 LED 3700lm	33	4x14W T5	595	595	3,6
SPARTAN L RT600 LED 2100lm	21	2x14W T5	595	595	3,6
SPARTAN L RT600 LED 3700lm	33	4x14W T5	595	595	3,6

* net lumen output of the luminaire by 4000K

CODE	TYPE	SPECIFICATION				
		cct	optics	cri	control gear	accessories
ST00RT60LE02100	SPARTAN RT600 LED 2100lm	3000K	DMP	80	ECG	M 3h
ST00RT60LE03700	SPARTAN RT600 LED 3700lm	4000K	PSL		DALI	
ST10RT60LE02100	SPARTAN L RT600 LED 2100lm					
ST10RT60LE03700	SPARTAN L RT600 LED 3700lm					