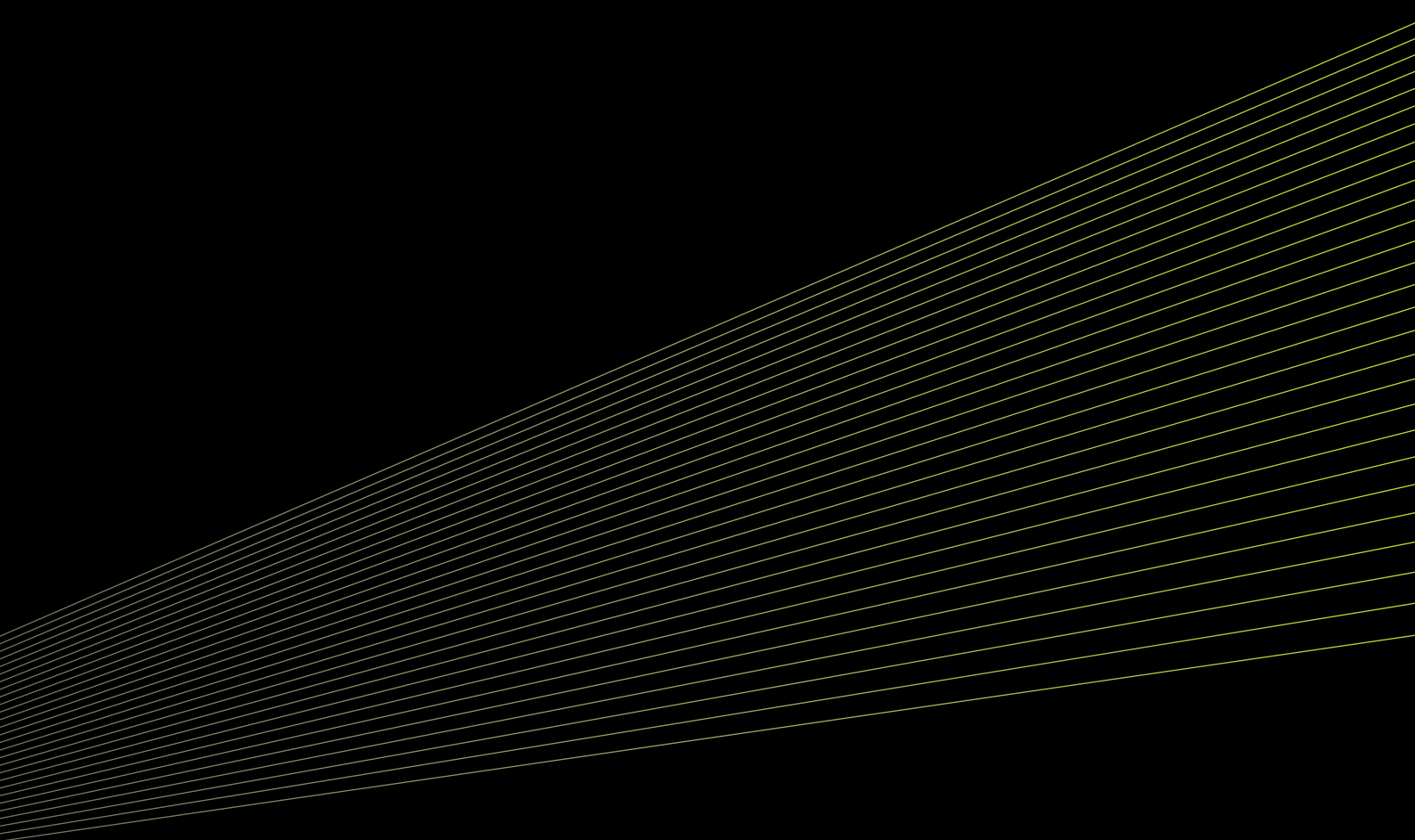
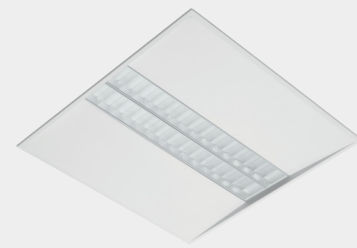


**ENLIT**

**SELECTION 2018**





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 - 190lm/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

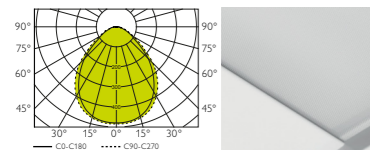
## RT600, L RT600



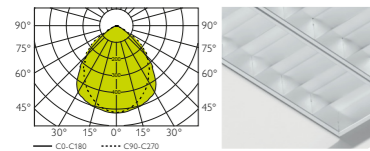
Recessed luminaire for ceilings with exposed grids, module size 600x600, 625x625 or plasterboard ceilings.

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

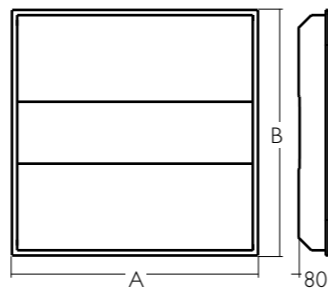
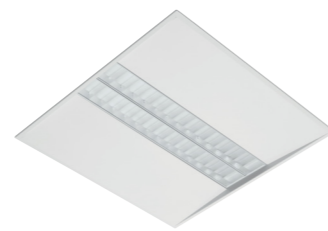
- DMP – microprismatic diffuser made of PMMA, semi-wide beam angle, increased glare prevention from side view
- PML (parabolic matt louvre) – matt, anodized, aluminium, double parabolic louvre

### ELECTRICAL EQUIPMENT

- 2xLED module fixed at the bottom of luminaire housing
- electronic LED driver
- terminal block with strain relief, max. 2,5mm<sup>2</sup>

### 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

### SPECIFICATION

cct	optics	cri	control gear	colour	accessories
3000K	DMP	80	ECG		M 3h
4000K	PSL		DALI		

CODE	TYPE
ST00RT60LE02100	SPARTAN RT600 LED 2100lm
ST00RT60LE03700	SPARTAN RT600 LED 3700lm
ST10RT60LE02100	SPARTAN L RT600 LED 2100lm
ST10RT60LE03700	SPARTAN L RT600 LED 3700lm

Although modern LED luminaires are still more expensive than their fluorescent equivalents, thanks to their low power consumption, maintenance-free operation and very long LED lifetime, the investment could come back in a very short time.

As SPARTAN needs substantially less electric energy to achieve the comparable lumen output as its fluorescent equivalent, despite of higher buying price, costs for purchasing of LED luminaires could come back in a very short time – pay-back period is **about two years**.

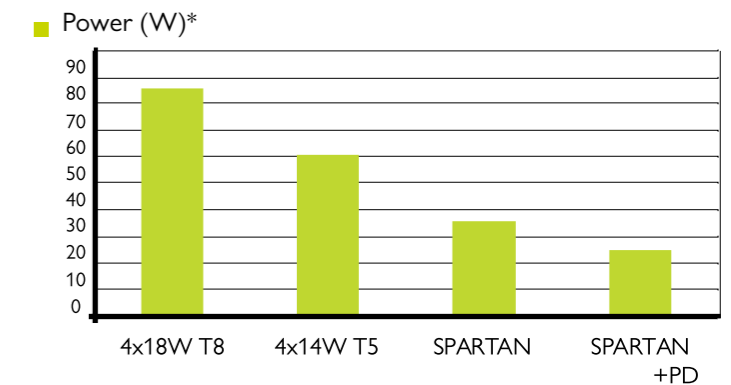
### Technology comparison

Type	Control gear	System power (W)*	Luminous flux (lamp)	Optical efficiency	Luminous flux (system)
4x18W T8	conventional control gear (B2)	86	5400 lm	0,62	3350 lm
4x14W T5	standard electronic control gear (A2)	61	4800 lm	0,70	3360 lm
SPARTAN RT600 LED 3.700lm	constant current driver	33	4870 lm	0,76	3700 lm
SPARTAN RT600 LED 3.700lm + PD**	constant current driver, presence detector	0/33	0/4870 lm	0,76	0/3700 lm

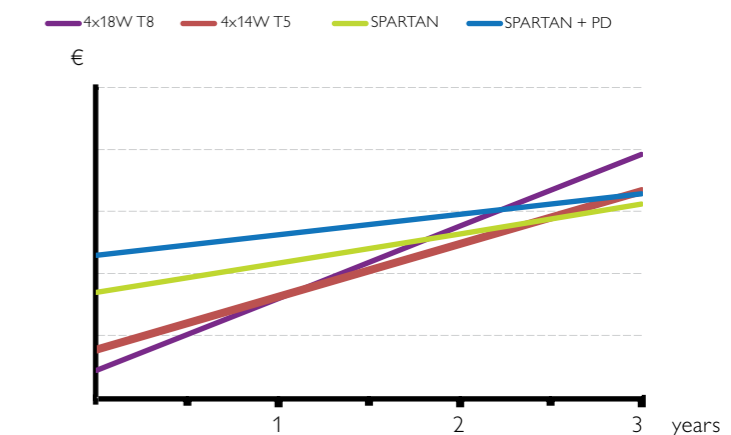
\* system power consumptions according to CELMA Energy Efficiency Index (EEI)

\*\* PD = presence detector

### Energy consumption comparison



### TCO - total cost of ownership comparison



enlighten your world

ENLIT spol. s r. o.

Priemyselná 1497/18b  
905 01 Senica  
Slovakia

T +421 905 556 800  
T +421 915 089 654  
E [info@enlit.sk](mailto:info@enlit.sk)

[www.enlit.sk](http://www.enlit.sk)