







# ORIGIN

More than just efficient illumination

AND LOW POWER CONSUMPTION

PRODUCT WITH VERY HIGH LUMEN OUTPUT

Luminous flux is not not only equal, but even higher then by fluorescent equivalents (4x18W resp. 4x14W).

#### GENERAL CHARACTERISTICS

- low energy consumption
- · high lumen output
- perfect luminous flux distribution
- non-glaring optical system
- · passive cooling
- extremely long lifetime of light sources
- · dimming possibility
- two colour temperatures 3000K, 4000K
- · high colour rendering index
- decorative RGB colour version
- maintenance-free operation
- · low weight
- ambient temperature: -20°C / +30°C

#### APPLICATIONS

- offices
- · computer rooms
- classrooms
- banks
- CAD workplaces
- stores
- corridors

#### **INSTALLATION TYPE**

• RT600 – recessed luminaire, ceiling with visible T-profile, module 600x600

• LED – light emitting diode

#### ELECTRICAL EQUIPMENT

- ECG electronic control gear
- DALI electronic DALI dimmable control

#### OPTIONAL EQUIPMENT / ACCESSORIES

- · OcuSwitch sensor
- · user interface ToBe touched
- wired with emergency unit
- wired with dimmable control gear (DALI)
- RGB colour version of luminaire side parts

#### **VALUE FOR PRICE**



unique combination of aesthetics and performance in one unit

unmatchable design, virtually no competitive product on the market

homogenously backlighted microprismatic diffuser

state of the art LED technology used (Philips 150lm/W LED boards)

infinite options for next customization e.g. side panels covered by real wood, painted in arbitrary colour, texts, logos, graphics...

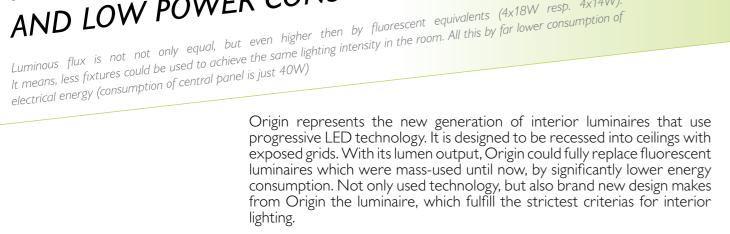
two independent lighting circuits in one fixture

glare prevention corresponding to EN standards for lighting of indoor workplaces

product fully manufactured and assembled in Slovakia

# VERY HIGH QUALITY OF THE LIGHT

- Juminaire suitable also for workstations with monitors: luminance of light emitting area is in accordance with EN 12464-1: • Juminance of light emitting area do not exceed the value of 1500cd/m² in limit angle 65% value UGR<19
- lumen depreciation B50, L70







## **ORIGIN**

## Optical system

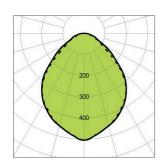
#### Side reflectors

White painted side reflectors distribute the light out of the luminaire by the way of diffuse reflection. Increased portion of diffuse light decrease hard contrasts of things and allows better modelling of objects in the room.

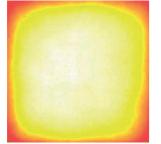


#### Microprismatic diffuser

Microprismatic diffuser of central part has computer optimalized pyramidal structure, which accurately redirect luminous flux to requested direction. At the same time, diffuser prevents of unwanted glare above viewing angles defined by standard.



Rotational symmetric light Diffuser excels in high light keep the flexibility in interior visible hot spots. arrangement.



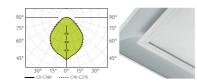
distribution curve with uniform transmission, together with perfect emission of light to all directions mixing capability of light radiated allows random orientation of from single LEDs. The result is very luminaire in space. This unique homogeneously backlighted active feature makes it possible to part of the luminaire, without

Bottom view



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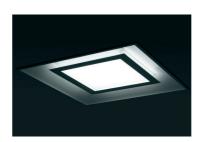
LED
PASSIVE
I
IP20
4,5 kg



ORIGIN CS RT600 LED 4500lm



Distribution of light rays



## **ORIGIN**

### CS / C+S / C+RGB

Recessed LED luminaire for ceilings with exposed grids, module size 600x600. Direct light distribution. Suitable for workplaces with display screen units (luminance of light emitting area is in compliance with EN 12464-1).

LED lifetime 50.000 hrs (L70). Housing of luminaire is made of aluminium profile, powder coated with white colour (RAL 9003).

#### INSTALLATION TYPE

- RT600 recessed luminaire, ceiling with exposed grids, module size 600x600
- R recessed luminaire for different kind of the ceiling
- SUR surface mounted

#### OPTICAL SYSTEM

- central part microprismatic diffuser with pyramidal structure, PMMA
- side part white painted reflectors

#### **ELECTRICAL EQUIPMENT**

- one resp. two electronic control gears for LED modules
- 5-pole screwless terminal block, max. 2,5mm<sup>2</sup>

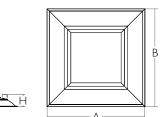
#### OPTIONAL EQUIPMENT / ACCESSORIES

- OcuSwitch sensor
- user interface ToBe touched
- wired with emergency unit (1 or 3h)
- wired with dimmable control gear (DALI)
- RGB colour version of luminaire side parts

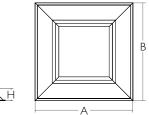








595



			———A———	
System power (W)	Equivalent	A (mm)	B (mm)	H (mm)
52	4×24W T5	595	595	80
40+12	4×14W T5	595	595	80

595

ORIGIN C+RGB RT600 LED 3900+500lm 40+6  $\ensuremath{*}$  ORIGIN CS – central and side parts wired to one circuit ORIGIN C+S – central and side parts separatelly controllable ORIGIN C+RGB – central part + RGB side parts



#### LED technology

the luminaire housing.

Light sources of central and side part are created by LED light sources are available in two colour temperatures: last generation LEDs with high luminous efficiency, that 3000K and 4000K. Both versions have colour rendering index are placed on printed circuit boards and solidly fixed to more than 80, which secure excellent recognition of colours in illuminated space.

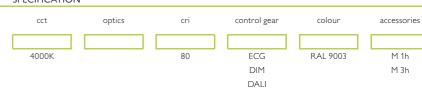
**SPECIFICATION** CODE TYPE cct

Туре

ORIGIN CS RT600 LED 4500lm

ORIGIN C+S RT600 LED 3900+600lm

OR00RT60LE04500 ORIGIN CS RT600 LED 4500lm OR10RT60LE39P60 ORIGIN C+S RT600 LED 3900+600lm OR20RT60LE39P50 ORIGIN C+RGB RT600 LED 3900+500lm



4×14W T5

80