



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

LAMP

- LED – light emitting diode

ELECTRICAL EQUIPMENT

- ECG – electronic control gear
- DALI – electronic DALI dimmable control gear

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

LED

VALUE FOR PRICE

- 1 unique combination of aesthetics and performance in one unit
- 2 unmatched design, virtually no competitive product on the market
- 3 homogeneously backlit microprismatic diffuser
- 4 state of the art LED technology used (Philips 150lm/W LED boards)
- 5 infinite options for next customization – e.g. side panels covered by real wood, painted in arbitrary colour, texts, logos, graphics...
- 6 two independent lighting circuits in one fixture
- 7 glare prevention corresponding to EN standards for lighting of indoor workplaces
- 8 product fully manufactured and assembled in Slovakia

ORIGIN

More than just efficient illumination

PRODUCT WITH VERY HIGH LUMEN OUTPUT AND LOW POWER CONSUMPTION

Luminous flux is not only equal, but even higher than by fluorescent equivalents (4x18W resp. 4x14W). It means, less fixtures could be used to achieve the same lighting intensity in the room. All this by far lower consumption of electrical energy (consumption of central panel is just 40W)

Origin represents the new generation of interior luminaires that use progressive LED technology. It is designed to be recessed into ceilings with exposed grids. With its lumen output, Origin could fully replace fluorescent luminaires which were mass-used until now, by significantly lower energy consumption. Not only used technology, but also brand new design makes from Origin the luminaire, which fulfill the strictest criterias for interior lighting.

VERY HIGH QUALITY OF THE LIGHT

- colour rendering index more than 80
- pleasant warm temperature, preferred in residential interiors, is also available (3000K)
- luminaire suitable also for workstations with monitors: luminance of light emitting area is in accordance with EN 12464-1: Light and lighting – lighting of indoor workplaces
- luminance 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 optimized 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.

Bottom view

Rotational symmetric light distribution curve with uniform emission of light to all directions allows random orientation of luminaire in space. This unique feature makes it possible to keep the flexibility in interior arrangement.

Diffuser excels in high light transmission, together with perfect mixing capability of light radiated from single LEDs. The result is very homogeneously backlighted active part of the luminaire, without visible hot spots.



LED technology

Light sources of central and side part are created by last generation LEDs with high luminous efficiency, that are placed on printed circuit boards and solidly fixed to the luminaire housing.

LED light sources are available in two colour temperatures: 3000K and 4000K. Both versions have colour rendering index more than 80, which secure excellent recognition of colours in illuminated space.

ORIGIN

CS / C+S / C+RGB

Lamp	LED
Cooling	PASSIVE
Class	I
Ingress protection	IP20
Weight	4,5 kg

ORIGIN CS RT600 LED 4500lm

Distribution of light rays

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. 2,5mm²

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

Type	System power (W)	Equivalent	A (mm)	B (mm)	H (mm)
ORIGIN CS RT600 LED 4500lm	52	4x24W T5	595	595	80
ORIGIN C+S RT600 LED 3900+600lm	40+12	4x14W T5	595	595	80
ORIGIN C+RGB RT600 LED 3900+500lm	40+6	4x14W T5	595	595	80

* ORIGIN CS – central and side parts wired to one circuit
ORIGIN C+S – central and side parts separately controllable
ORIGIN C+RGB – central part + RGB side parts

CODE	TYPE	SPECIFICATION				
		cct	optics	cri	control gear	colour
OR00RT60LE04500	ORIGIN CS RT600 LED 4500lm	4000K		80	ECG	RAL 9003
OR10RT60LE39P60	ORIGIN C+S RT600 LED 3900+600lm				DIM	
OR20RT60LE39P50	ORIGIN C+RGB RT600 LED 3900+500lm				DALI	