

## 1 General information and application

LED luminaire is designed for illumination of offices, retail and living spaces, warehouses, halls, education institutions and kindergartens.

High efficiency LEDs have a minimum 50 000 hour of life cycle (L70).

Belongs to A++ energy efficiency class.

Voltage: 175-276 V.

Input power is specified on the luminaire case.

Luminaire comes for mounting into suspended ceiling of Armstrong type.

Range of operating temperatures: -10 °C to + 50 °C.

The light source of this luminaire cannot be replaced. The whole luminaire must be replaced when the service life of the light source ends.

The luminaire meets the requirements of «Low Voltage Directive (LVD)» and «Electromagnetic compatibility (EMC) Directive».

*The manufacturer reserves the right to make changes in the product design, if such changes do not lead to the deterioration of the declared characteristics, without prior notice.*

## 2 Basic specifications

IP	Size, m	Luminous flux, lm	Color temperature, K	Power factor, frame type		Ripple factor of light, CRI		Type of diffuser / The outer surface of diffuser / Luminous flux
				Plastic	Metal	>80	>90	
A IP20	66 0.6 x 0.6	XX (XX*100) ±10%	YY (YY*100)	A	P ≥ 0.95	1	A ≤ 1%	A Opal / Smooth, uniformly illuminated / Extended
B IP54				4	O ≥ 0.94	O	B ≤ 2%	E Prismatic / Prismatic / Narrowed
S IP54				3	M ≥ 0.93	P	C ≤ 3%	K Opal / Smooth / Extended
				2	K ≥ 0.92	T	E ≤ 4%	1 Diffusor ≤ 0.5 mm, Opal / Smooth, uniformly illuminated / Extended
				1	I ≥ 0.91	2	H ≤ 5%	2 Diffusor ≤ 0.5 mm, Opal / Smooth / Extended
				B	E ≥ 0.9	3	K ≤ 10%	5 Diffusor ≤ 0.5 mm, Opal / Smooth / Narrowed /
				C	T ≥ 0.8	4	M ≤ 20%	
				H	X not rated	5	X not rated	

## 3 Configuration

- luminaire - 1 pcs.; - packing - 1 pcs.; - user manual - 1 pcs.

## 4 Safety requirements

Disregard of safety messages may lead to life hazards, burning or fire!

Luminaire is compliant with IEC EN 60598-1.

Prior to installing and operating read these instructions carefully. Only this will guarantee proper and safe handling. Please, keep these instructions as you may need them later.

Installation, mounting or maintenance of electrical connection may only be carried out by a qualified electrician.

Do not throw the luminaire.

Do not lift and hold the luminaire by an electric cable.

Installation, removal and maintenance must be carried out only when electric voltage is turned off.

Do not operate the luminaire with damaged insulation of wires and their joints.

Use only parts, which are supplied with the product or are described as accessories.

In case of a malfunction you may NOT touch the product or operate it further. Disconnect the item from the power supply by an external switch.

A malfunction exists when: visible damages occur, the product does not work properly (e.g. flickering), smoke, steam or crackling sounds appear, smell of burning is noticeable.

Check if the item functions properly and is fixed firmly.

The applicable safety and accident prevention regulations must be considered.

## 5 Instruction for assembly and operation of luminaire

- take the luminaire out of the package;
- connect the power wire and ground wire to the terminal block according to the marking (fig.1);
- set luminaire into cell of the Armstrong ceiling of 600x600 mm size;
- luminaire is ready for use (fig.2).

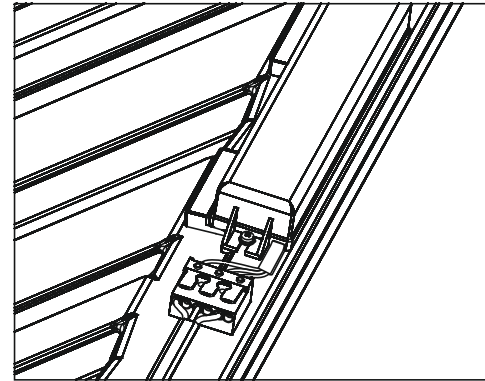


Fig. 1

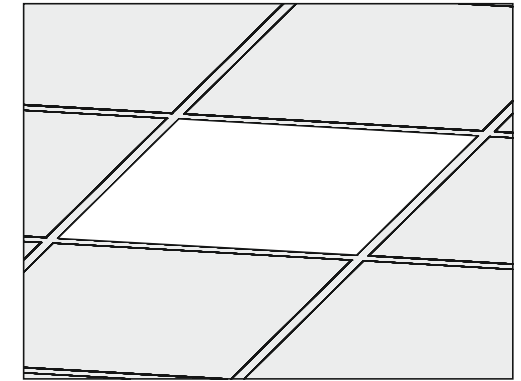


Fig. 2

## 6 Disposal information

The luminaire contains no precious or harmful substances and component parts, that require special disposal. Disposal is conducted in the usual way.

## 7 Transport and storage regulations

Luminaires can be transported by any means of transport, according to the rules applicable to the respective type of transport.

Luminaires should be stored and transported in manufacturer's packing in dry closed spaces with natural ventilation at ambient temperature from -50 °C to +40 °C. Do not strain the product mechanically during storage.

## 8 Acceptance certificate

Luminaire corresponds to TU U 27.4-13317508-012:2014 and is regarded as applicable.

The manufacturing date and QC marking is printed on the luminaire's case.

## 9 Warranty liabilities

Quality claims of luminaire, that broke down without consumer's fault and with conditions of operation, transportation, storage and installation, specified in the user manual being adhered, are met by free repair or replacement during the warranty period.

Warranty period for LED luminaires is 5 years from the date of sale.

If the sale note is absent, the warranty period is counted from the manufacturing date.