**PASSPORT**

The LED Illuminating Light Fixture

«Bonus-16» SSO-A-220-027-N, T-MC3.1,

TS 3461-005-41677105-09

**1. GENERAL INFORMATION**

1.1 The LED illuminating light fixture "Bonus-16" (further named as the light) is used for general illumination of residential and public premises. The surface-mounted light can be installed indoors and outdoors.

1.2. The light remains functional in the following conditions:

- relative humidity up to 95% (at a temperature of +40 °C);

- ambient operating temperature from minus 40 °C to +60 °C.

1.3 The technical parameters of the light.

- supply voltage range (140 ÷ 265) VAC with frequency (50 Hz ±10%) or (200 ÷ 370) VDC;

- nominal consumption power\* 12 W;

\* Nominal consumption power value can differ by ±10%.

- light flux\*\* is not less than 1200 lm;

\*\* Light flux is specified for the LED module at the chip temperature of 25°C. To specify the light flux it is necessary to consider IES-file for the light.

- color temperature, K: T - (warm emission color) from 3 000 to 4 000, N (normal emission color) from 4 000 to 6 000;

- light intensity curve according to GOST P 54350- cosine;

- ripple factor of the light flux is not more than 5%;

- IP up to IEC 529 is not worse than IP20;

- climatic category MC1, 3 according to IEC 60721-2-1:2013:1982, IEC 60068-1:2013;

- the light protection class 1 according to IEC 60598-1;

- insulation resistance of live parts is not less than 20 МОm;

- grounding resistance is not more than 0.5 Оm;

- power factor is not less than 0.7;

- overall sizes, not more than Ø310x100mm;

- the light weight, not more than 1.1 kg;

- fire safety is up to NPB 249-97, IEC 60598-1;

- the light life cycle if conditions of operation are met is not less than 100 000 hours;

- shelf life from the manufacture date is 3 years.

**2. SET (the light completeness):**

2.1 The set consists of:

- a light – 1 pce.,

- an operating manual – 1 pce.,

- a passport – 1 pce.,

- a package – 1 pce.

**3. ACCEPTANCE CERTIFICATE**

3. 1 The light is manufactured in accordance with specifications TS 3461–005–41677105–09 and proved to be suitable for operating.

QCD Issue Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_20

**4. RECYCLING DATA**

4.1 All the materials of which the light is manufactured are not dangerous for the life and health of people and the environment and are in conformance with IEC 60598-1.

4.2 On completing the operation of the light it does not require a special recycling and should be handed as a recyclable material in accordance with the present rules.

**5. WARRANTY**

5.1 The manufacturer guarantees the conformance of the light to the technical specifications and normal work within 5 years since operating it upon condition of observing the rules of transportation, storage and installation.

5.2 Within the warranty period damaged lights should be changed charge free by the manufacturer in case of the conformance to the installation and operating rules by the customer.

**6. RECLAMATION DATA**

6.1 The order of claiming reclamation is stated in accordance with the current regulations on the objects of applying.

6.2 The reclamation in a standard form should be claimed to the manufacturer with a compulsive attachment of a rejection report, without which the reclamation cannot be accepted. A copy of a payment document for the light should be attached to a rejection report. The reclamation should be forwarded the following address:

19, Leskova Str., Orel, 302040, Russia, JSC «Proton»

Tel./ Fax. (4862) 41-44-03