






















Icons and their meanings

Technical specifications

 DC supply voltage from 24 to 36 volts	 Operating temperature from -45 to +40
 DC supply voltage from 200 to 250 volts	 Operating temperature from +1 to +35
 AC power supply voltage from 12 to 36 volts	 Operating temperature from +10 to +35
 AC power supply voltage from 140 to 265 volts	 Type of a climatic modification of UHL1
 Nominal frequency of supply voltage 50 ±10% Hz	 Type of a climatic modification of UHL2
 Driver Power Factor ≥ 0.95	 Type of a climatic modification of UHL3
 Driver Power Factor ≥ 0.9	 Type of a climatic modification of UHL4
 Driver Power Factor ≥ 0.8	 Type of a climatic modification of UHL4.2
 Driver Power Factor ≥ 0.6	 Class I protection against electric shock
 Luminous flux ripple factor of ≤ 10%	 Class II protection against electric shock
 Luminous flux ripple factor of ≤ 1%	 IP20 protection degree
 Luminous flux ripple factor of ≤ 5%	 IP30 protection degree
 Color rendering index CRI ≥ 72	 IP40 protection degree
 Color rendering index CRI ≥ 82	 IP52 protection degree
 Color rendering index CRI ≥ 80	 IP54 protection degree
 Color rendering index CRI ≥ 85	 IP65 protection degree
 Color rendering index CRI ≥ 92	 IP66 protection degree
 Operating temperature from -60 to +40	 The lamp used LEDs OSRAM







Appointments

 Emergency lighting	 Pools
 Gas station	 Hotels, restaurants, cafes
 Architectural lighting	 Railways and junctions
 Shops and shopping centers	 Industrial facilities
 Medical institutions	 Room with high illumination requirements
 Educational institutions	 Poultry complexes and livestock farms
 Housing and communal facilities	 Sports objects
 Parking	 Warehouses
 Office and administrative premises	 Transport hubs (stations, airports)
 Floodlight	 Street and road lighting
 Security lighting	

Categories of roads

 Arterial roads and city main streets according to SP-52.13330.2016	 Roads of usual type according to PNST 27-2015
 arterial roads and district trunk roads according to SP-52.13330.2016	 Roads of usual type according to PNST 27-2015
 Streets and local roads according to SP-52.13330.2016	 Roads of usual type according to PNST 27-2015
 Highways according to PNST 27-2015	 Roads of usual type according to PNST 27-2015
 Express roads according to PNST	 Roads of usual type according to PNST 27-2015

General information

 5 year warranty	 Compliance with regulations: SanPiN 2.4.2.2821-10 "Sanitary and epidemiological requirements for the conditions and organization of training in educational institutions" (with changes to November 24, 2015). SanPiN 2.2.1 / 2.1.1.1278-03 "Hygienic requirements for natural, artificial and combined lighting of residential and public buildings." Letter Requirements of the Head of Rospotrebnadzor GG Onishchenko of 01.10.2012 No. 01 / 11157-12-32 "On the organization of sanitary supervision over the use of energy-saving light sources".
 Service life 25 years	
 Compliance with technical regulations of the Customs Union	
 The proprietary driver of its own design provides a three-stage protection of the lamp against voltage surges (up to 2 Kv) and overheating. The driver provides maximum efficiency in the use of electrical energy and a high power factor (λ) over 0.95.	
	 Lamp complies with the p.6.6.5 PUE (luminaires with non-combustible diffusers in the form of solid silicate glass)

Additional options and their meanings

Em	Emergency power supply. This is a luminaire assembly that allows the luminaire to be used for evacuation lighting when the standard electricity is turned off.
Dimming	Luminaire power control with dimmer.
Smart	The intelligent power management system of the luminaire.
DALI	Digital interface lighting control with the ability to address.
DMX512	Digital data transmission system between the controller and the lamp.
0-10	The control interface of the analog protocol using the supply of control voltage from 1 to 10 V.
1-10	The control interface of the analog protocol using the supply of control voltage from 1 to 10 V.
PWM	Wide-pulse modulation designed for smooth brightness control (PWM).
Pendant mount	Mounting kit for mounting the lamp on the cables.
Swivel mount	Mounting kit for installing the lamp on a flat surface with the ability angle adjustment.
Adapter with adjustable angles	Console adapter with adjustable installation angles for street lamps.
Bracket	Mounting kit for mounting the lamp above the school board.
Mount gnillyato	Mounting kit for mounting the lamp on a flat surface.
Overvoltage protection module	Overvoltage protection module. If the voltage exceeds 280 V, the protection module breaks the luminaire power supply circuit. When voltage returns to the operating range (less than 265 V), the power supply circuit is connected to the luminaire.
Lightning protection	Protection against microsecond impulse noise of high energy with an amplitude of up to 10 kV, caused by transients during lightning discharges and lightning strikes power lines or in close proximity to them.
Console mount	The option of mounting the lamp on a straight support.
Pass-through terminal box	Box for transit power supply cable.
Frosted glass	Protective glass with a matte effect to create the most uniform luminosity.
Silicate glass	Protective glass with high light transmission ability and resistant to chemicals.