

STREET AND RESIDENTIAL LIGHTING FIXTURE

BUTTERFLY LED

01 02



	EN IEC 60598	RoHS	IP66	IK09		-20°C÷+40°C	WARRANTY 5 years	MAX 46W LED
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General specifications

Product name	BUTTERFLY LED
Application area	BUTTERFLY is a modern street lighting luminaire, featuring state-of-the-art light sources with an extended lifespan, and is equipped with high-performance LED modules. Street lighting for local and secondary roads, with lighting classes M4, ME5, ME6, S1–S6, according to SR EN 13201. Residential lighting for alleys, sidewalks, parks, etc.
Advantages	– A modern lighting luminaire with LED light sources. – Low energy consumption. – Extended lifespan. – Environmentally friendly. – Ideal for replacing street lighting luminaires with compact fluorescent lamps, sodium lamps, or metal halide lamps. – Reduced maintenance costs. – No intervention required for light source replacement during operation.
Light source	High-efficiency LEDs
Color temperature	4000/5700
Color rendering index (CRI)	≥70/80
Degree of protection against dust/water ingress	IP66
Degree of protection against mechanical impacts	IK09
Operating temperature range	-20°C...+40°C
Warranty	5 years

Electrical characteristics

Rated voltage	230 Vac
Surge protection	10 kV
Frequency (Hz)	50-60 Hz
Power factor	≥0,95
LED lifetime	100.000 hours

Technical characteristics

Construction structure	
Body	Painted aluminum housing
Color	Gray
Optical system	The optical system designed to meet the requirements of the SR EN 13201 standard for street lighting includes high-power LEDs with a specialized light flux orientation system for road lighting.
Variants upon request	• Can be equipped with high-power LEDs with color temperature in the range 3000–6500 K • Body painted in other colors from the RAL palette • With accessories: Aluminum indexed spigot for mounting on a bracket or pole top (bracket size ø42-ø60mm). P03116678 (M000014015) Ø40-60mm adapter for mounting on a bracket. M000014648

Mounting

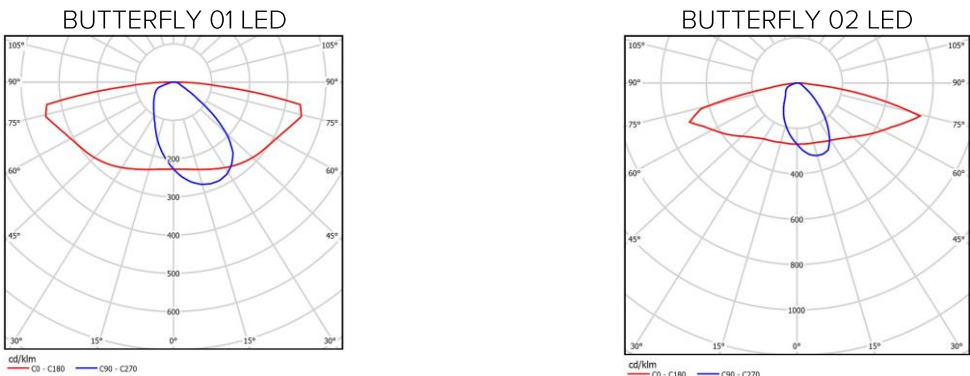
Pole-top mounted

- The mounting system at the end of the housing allows installation on a bracket or pipe:
 - Φ35 – Φ42mm BUTTERFLY 01
 - Φ35 – Φ46mm BUTTERFLY 02
- Front wind surface area = 0.053 m² (BUTTERFLY 01), 0.073 m² (BUTTERFLY 02)
- Side wind surface area = 0.022 m² (BUTTERFLY 01), 0.027 m² (BUTTERFLY 02)
- Recommended mounting height: 4-8m.

Standards and certifications

Standards	EN IEC 60598-1 EN IEC 60598-2-3
In compliance with European Directives	
– Electromagnetic Compatibility Directive	
– Low Voltage Directive	
– RoHS Directive, WEEE Directive	

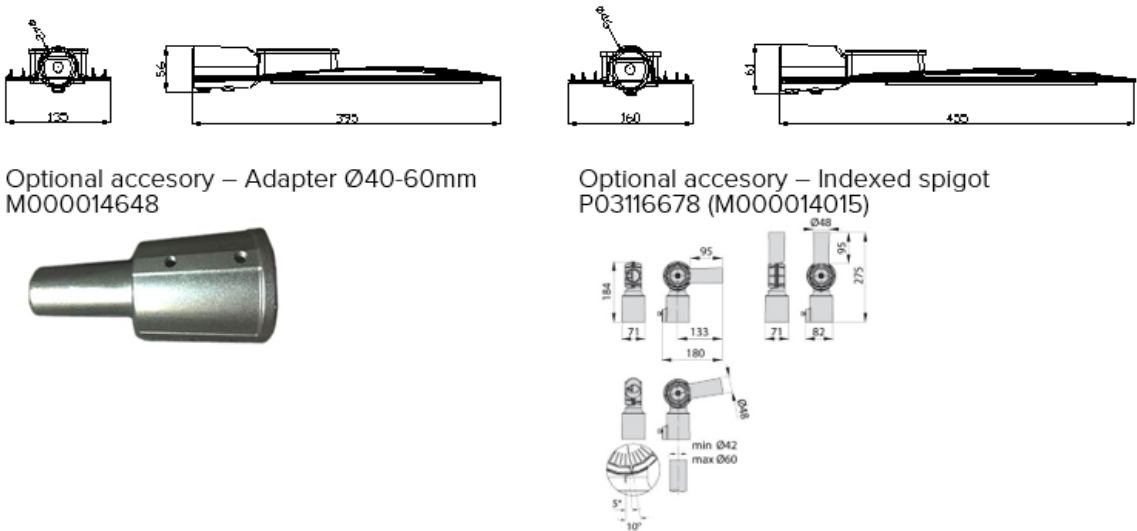
Photometric data



Light intensity distribution curve [Cd/1000 lm]

Dimensional characteristics

BUTTERFLY LED



Product type	L [mm]	I [mm]	h [mm]	m [mm]
BUTTERFLY 01 LED	395	135	56	Φ35 -Φ42mm Φ42 -Φ60with optional accesory - Indexed spigot Φ40 -Φ60with optional accesory - Adapter
BUTTERFLY 02 LED	455	160	61	Φ35 -Φ46mm Φ42 -Φ60with optional accesory - Indexed spigot Φ40 -Φ60 optional accesory - Adapter

Annex-product codes

Product type	Product code	Nominal voltage [V]	Active power [W]	Power factor	Protection degree	Insulation class	IK	Weight [Kg]	Total LED flux / net [lm]	Net luminous efficacy [lm/W]
BUTTERFLY 01										
BUTTERFLY 01 LED 1876LM 14.4W 840	35617326	230	14.4	≥0.95	IP66	I	IK09	1.3	1876	130
BUTTERFLY 01 LED 2412LM 17W 740 DALI	35618373	230	17	≥0.95	IP66	I	IK09	1.3	2412	142
BUTTERFLY 01 LED 2480LM 20W 840	35617334	230	20	≥0.95	IP66	I	IK09	1.3	2480	124
BUTTERFLY 01 LED 3200LM 25W 840	35618430	230	25	≥0.95	IP66	I	IK09	1.3	3200	128
BUTTERFLY 01 LED 3200LM 25W 857	35618433	230	25	≥0.95	IP66	I	IK09	1.3	3200	128
BUTTERFLY 02										
BUTTERFLY 02 LED 2100LM 12W 840 12V	35617630	230	12	≥0.95	IP66	I	IK09	1.7	2100	175
BUTTERFLY 02 LED 2800LM 16W 840 12V	35617353	230	16	≥0.95	IP66	I	IK09	1.7	2800	175
BUTTERFLY 02 LED 2800LM 16W 840 12VP	35618026	230	16	≥0.95	IP66	I	IK09	1.7	2800	175
BUTTERFLY 02 LED 2911LM 19.3W 840	35617327	230	19.3	≥0.95	IP66	I	IK09	1.7	2911	151
BUTTERFLY 02 LED 3615LM 24W 840	35617328	230	24	≥0.95	IP66	I	IK09	1.7	3615	152
BUTTERFLY 02 LED 3615LM 24W 857 BB	35617792	230	24	≥0.95	IP66	I	IK09	1.7	3615	152
BUTTERFLY 02 LED 4227LM 24W 840 24VDC	35617814	230	24	≥0.95	IP66	I	IK09	1.7	4227	176
BUTTERFLY 02 LED 3878LM 24.8W 840 5M	35617452	230	24.8	≥0.95	IP66	I	IK09	1.7	3878	156
BUTTERFLY 02 LED 4227LM 26.4W 840	35617394	230	26.4	≥0.95	IP66	I	IK09	1.7	4227	160
BUTTERFLY 02 LED 4623LM 34.3W 740	35617525	230	34.3	≥0.95	IP66	I	IK09	1.7	4623	135
BUTTERFLY 02 LED 4623LM 35W 740 DALI	35617863	230	35	≥0.95	IP66	I	IK09	1.7	4623	132
BUTTERFLY 02 LED 6625LM 42.6W 740	35617579	230	42.6	≥0.95	IP66	I	IK09	1.7	6625	156
BUTTERFLY 02 LED 6625LM 42.6W 740 DALI	35617684	230	42.6	≥0.95	IP66	I	IK09	1.7	6625	156
BUTTERFLY 02 LED 6625LM 46W 740 24VDC	35617597	230	46	≥0.95	IP66	I	IK09	1.7	6625	144

740=4000K, CRI≥70;
840=4000K, CRI≥80;
857=5700K, CRI≥80;
DALI = equipped with DALI driver;
24VDC = 24VDC power supply.

The values are approximate and may be subject to change.

The tolerance of the initial flux and initial active power is ±10% of the specified value. These values are measured at an ambient temperature of 25°C unless another temperature is specified.

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