

Bat lamp

Innolumis constantly strives to improve its products and applications to sustainably improve our environment and offer convenience.

In the European Union, all bat species are protected by law. Disruption of their permanent residence, routes and hunting areas, threatens the bat groups. This disturbance in the Netherlands under the Flora and Fauna considered a violation.



Bats are sensitive to light disturbance. Both in their habitats, air routes and in their hunting area. Especially street lighting can lead to painful glare in these nocturnal animals. Research by Rijkswaterstaat (2012) showed that bats eyes are especially sensitive to blue and ultraviolet light. Much less orange and red. On this basis, we developed an amber-colored, UV free LED luminaire: the "Bat lamp".

In the Netherlands officially 21 species of bats. Seven species are threatened. Two are so rare that they are regarded as extinct.





Fitting material Finishing Fitting colour Optics materials

Aluminium, LM6 quality Antifouling powder coating (dirt repellent) All RAL colours available, RAL 7035 standard Safety glass and aluminium (miro6)

Dynadimmer, Liandimmer, SDU, OLC, PLM

Connector for a 3 or 5 conductor cable

MeanWell® / CLQ Quad Output

Yes, 0 - 10 V (from 14 W)

9 to 31 W

> 0.95

I and II

Driver Dimmable **Recommended dimmers** Power Power factor Connector Protection class Source Ambient temperature

Number of light compartments LEDs per compartment

Light current

100 - 240 VAC 50/60 -40 to +50 °C	Hz
4 10 x amber	
	System power
9 W: 760 lumen	9 W
14 W: 1020 lumen	16 W
22 W: 1300 lumen	24 W

33 W

Colour point Wavelength

x/y = 0.6004 /0.3956 592-594 nm

31 W: 2000 lumen



CE KEMA

The Nicole luminaire has been developed in accordance with

IEC 60598-1: IEC 60598-2-3: IEC 62031: IEC 62471: IEC 55015: IEC 61547:	Luminaires - Part 1: General requirements and tests Requirements -Luminaires for road and street lighting LED modules for general lighting - Safety specifications Photobiological safety of lamps and lamp systems Radio disturbance characteristics of electrical lighting EMC immunity requirements
IEC 61000-3-3:	Limits for Voltage Fluctuations and Flicker
RoHS:	The products meet the RoHS standard, based on the European RoHS Directive 2002/95/EC.

KEMA certification is comparable to TÜV, ENEC and VDE.

Bat distribution over The Netherlands

www.innolumis.com

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