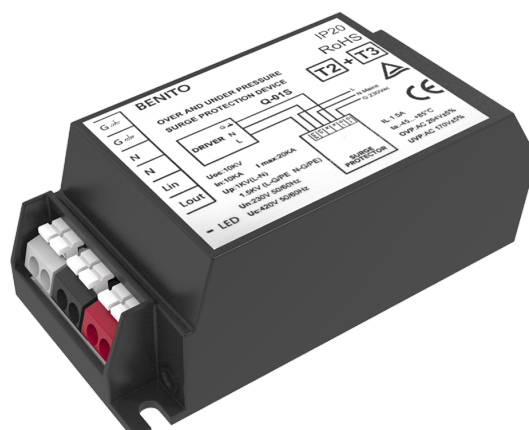


APS4

Surge protector device

FULL PROTECTOR



Benito <APS4 surge protector device, under Patent ES 1 287 364 U, increases the reliability and average life of luminaires with LED technology. The <APS4 is designed to protect the luminaire from all possible external agents (Transient Overvoltage and Permanent Overvoltage and Undervoltage). The devices that make up a luminaire (LED modules, drivers, communication and control nodes, etc.) are electronic equipment that could suffer serious damage in the medium and short term due to overvoltage, significantly reducing their useful life.

MAIN FEATURES:

APPLICATIONS:

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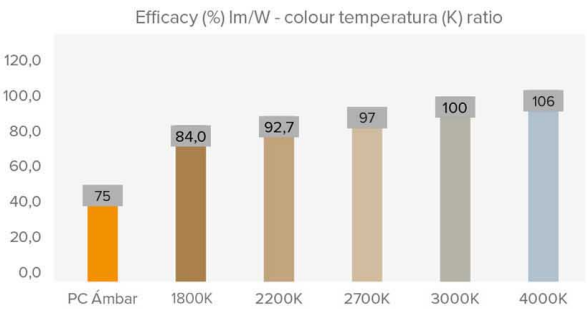
SPECIFICATIONS :

Housing material:	
Diffuser (optic system enclosure):	
Fixing elements:	
Housing:	
Sealing gaskets:	
IP rating (luminaire):	
IP rating (optic system):	
IK rating (impact resistance):	
LEDs thermal dissipation:	
Anti-condensation valve:	
Paint and finishes:	
Colour:	
Mounting:	
Tilt range:	
Maintenance:	
Recommended mounting height:	
Driver:	
Flow Reduction:	
Ready4IOT - Connectivity:	
Surge protection device (SPD):	
DarkSky Approved	

V. 2025-02-12 | The constant improvement and evolution of our products may result in some modifications of the technical specifications and characteristics of the products without prior notice.

TECHNICAL DATA:

REF.	Nº LEDs	Power W	I Driver mA	Real luminous flux (T) =85°C)		Initial luminous flux (T) =25°C)	
				Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W



PHOTOMETRY:

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LEDs MODULE:

LEDs module:

Replaceable module:

LED:

Number of LEDs:

PCBs format:

LED nominal efficacy:

Colour temperature:

Colour rendering index CRI:

Average LED useful time L90B10:

OPTIC SPECIFICATIONS:

Optic system:

Light distributions:

Upward light output ratio ULOR:

Downward light output ratio DLOR:

Glare index:

Luminous intensity category:

Luminous flux CIE n°3:

Photobiological safety:

Initial luminous flux Tj=25°C (up to):

Initial luminaire efficacy Tj=25°C (up to):

Real luminous flux Tj=85°C (UNE EN 13032-4)
(up to):

Real luminaire efficacy Tj=85°C (UNE EN
13032-4) (up to):

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):

Maximum power consumed (luminaire):

Power range:

Maximum current of LED:

Power supply protection classes IEC:

Surge protection device (SPD):

Common and differential mode protection (SPD)
Udc:

Max current (8/20) (SPD):

Thermal phase disconnection (SPD):

Input voltage:

Input voltage (max rate):

Input frequency:

Starting current:

Duration of the starting voltage peak:

Driver efficacy:

Power factor 100% consumption:

Power factor 50% consumption:

Total harmonic distortion (THD):

Power consumption on standby mode:

Energy class:

OPERATING CONDITIONS:

Average LED useful time L90B10:

Average driver useful life to Tp <70°C:

Average luminaire useful life L90B10 (TM-21):

Ambient temperature (Ta):

Aerodynamic resistance (CxS):

Vibration test (15Hz 3 axis):

Guarantee:

PACKAGING DIMENSIONS:

Net weight

Gross weight

Luminaire dimensions (LxWxH)

Packaging dimensions (LxWxH)

Pieces per box

Quantity per container 20ft

Quantity per container 40ft

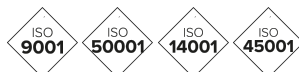
CERTIFICATES:

Security certificates:

EMC certificates:

Other certifications:

Company Certifications



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