

APS2

Surge protector device

# SPD



Benito <APS2 surge protector device increases the reliability and average life of luminaires with LED technology. 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:

## 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	

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## TECHNICAL DATA:

REF.

Nº LEDs

Power W

I Driver  
mA

Real luminous flux (T) =85°C)

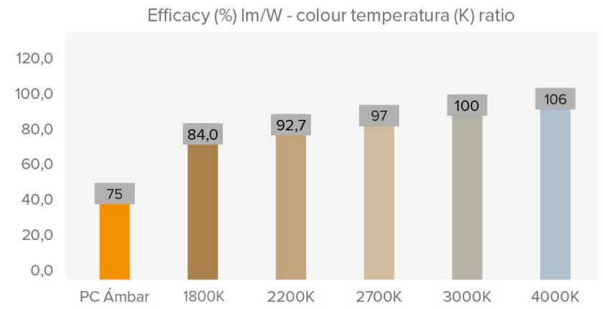
Flux lm

Efficacy lm/W

Initial luminous flux (T)  
=25°C)

Flux lm

Efficacy lm/W



## PHOTOMETRY:

## 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  $T_j=25^\circ\text{C}$  (up to):

Initial luminaire efficacy  $T_j=25^\circ\text{C}$  (up to):

Real luminous flux  $T_j=85^\circ\text{C}$  (UNE EN 13032-4)  
(up to):

Real luminaire efficacy  $T_j=85^\circ\text{C}$  (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  $T_p < 70^\circ\text{C}$ :

Average luminaire useful life L90B10 (TM-21):

Ambient temperature ( $T_a$ ):

Aerodynamic resistance ( $C_x S$ ):

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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