Light point
STARK
ACS

Light point with cylindrical design made of extruded aluminium. High robustness and durability. Its simple yet modern design adapts to any kind of urban environment. Includes a BENITO LEDs module with ligh distributions from 20W to 120W to cover all applications.

MAIN FEATURES:

High efficiency. Up to 145 lm/W net
Symmetrical or Asymmetrical light distribution curve
Easy maintenance
Ready for Ready4IoT

APPLICATIONS:

Residential Streets (Zones 30)
Pedestrian Zones
Commercial and Tourist Streets
Squares
Green Areas; Parks and Gardens

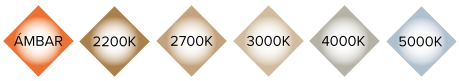
Project sheet | CAD | Catalogue | HD image

BENITO
info@benito.com
tel. 93 852 1000

SPECIFICATIONS :

Housing material:	Cylindrical section extruded aluminium tube with a diameter of 168mm.
Diffuser (optic system enclosure):	4mm tempered safety glass. UV filter
Fixing elements:	Stainless steel 18/8 - AISI 304
Housing:	Built in one piece with a registry for the BENITO NOVATILU module
Sealing gaskets:	Silicone
IP rating (luminaire):	
IP rating (optic system):	IP66
IK rating (impact resistance):	IK10
LEDs thermal dissipation:	Thermal dissipation through finless luminaire body, without conductive fluids. Passive convection dissipation ensuring thermal contact with the LED modules through a high-conductivity thermal transfer material
Anti-condensation valve:	Pressure-balancing valve to ensure moisture release, avoid condensation and maintain the luminaire IP tightness
Paint and finishes:	Polyester powder paint coating, electrostatically sprayed and sublimated in the oven. Resistant to corrosion
Colour:	RAL 9007
Mounting:	By means of bolts
Tilt range:	No
Maintenance:	Modular concept for easy component replacement: LEDs, drivers, SPD
Recommended mounting height:	4 m
Driver:	Constant current adjustable and programmable driver. Embedded in the luminaire, pre-wired on a galvanised steel plate
	Dimmable driver 0-10V. Programmable on 5 levels. Optional: DALI 2. Includes the characteristics of Wireless, AOC, MTP, DTL
Ready4IOT - Connectivity:	- Autonomous multiple-level dimming or virtual midnight - Ready4IoT - Dimming by main voltage - Line switch
Surge protection device (SPD):	Type 2, 10kV and 20kA transient surge protector. Series connection with thermofuse disconnector for a more effective protection at the end of its service life

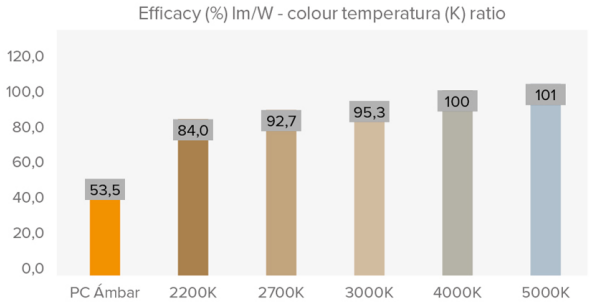
INSTALLATION:



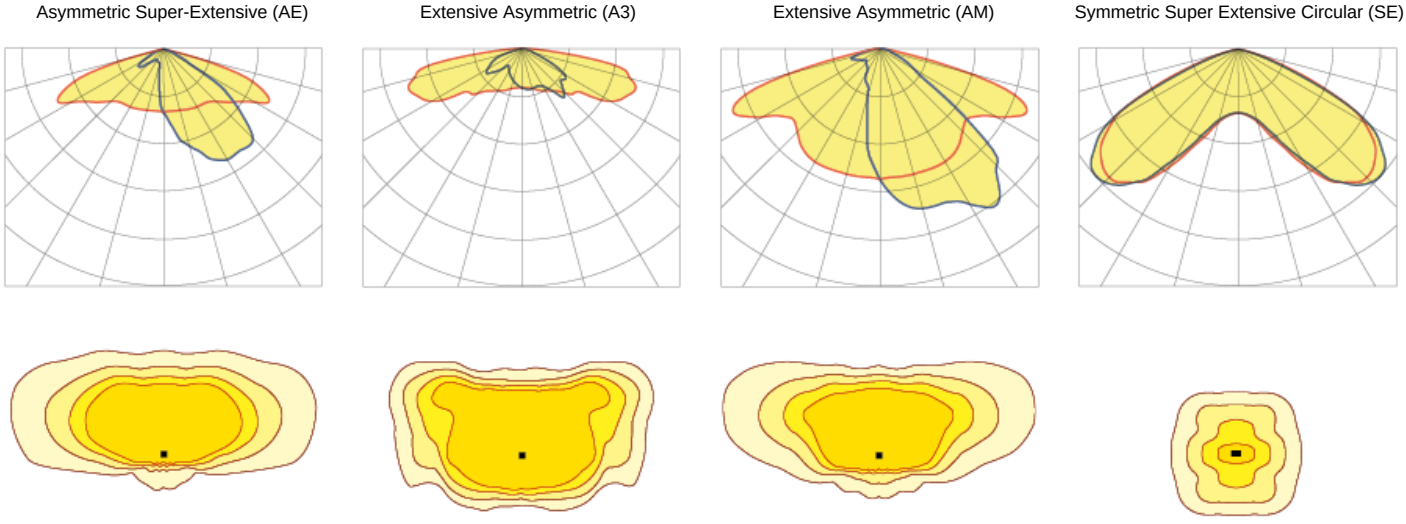
TECHNICAL DATA:

	REF.	Nº LEDs	Power W	I Driver mA	Real luminous flux (T) =85ºC)		Initial luminous flux (T) =25ºC)	
					Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W
Stark	ACS	25	50	600	6000	120	6840	137

Luminous flux and efficiency at 4000ºK and CRI>70.
Luminous flux tolerance < +/-3%.
Values may be subject to changes due to LED binning.



PHOTOMETRY:



*Show 4 recommended lighting distributions. Refer to the 18 typologies.

LEDs MODULE:

LEDs module:	BENITO-NOVATILU 25 LEDs. Check colour temperature, CRI and light distributions
Replaceable module:	Yes
LED:	5050
Number of LEDs:	25
PCBs format:	Circular
LED nominal efficacy:	172
Colour temperature:	PC Amber, 2K2, 2K7, 3K, 4K, 5K
Colour rendering index CRI:	>70 (optional >80)
Average LED useful time L90B10:	L90B10 >100.000 hours

OPTIC SPECIFICATIONS:

Optic system:		PMMA lenses
Light distributions:		2 light distribution curves
Upward light output ratio ULOR:		0%
Downward light output ratio DLOR:		100%
Glare index:		Between D5 and D6 (depending on the light distribution)
Luminous intensity category:		Between G*4 and G*6 (depending on the light distribution)
Luminous flux CIE nº3:		>95%
Photobiological safety:		RG0 (exempt of risk)
Initial luminous flux Tj=25ºC (up to):	lm	6840
Initial luminaire efficacy Tj=25ºC (up to):	lm/W	137
Real luminous flux Tj=85ºC (UNE EN 13032-4) (up to):	lm	6000
Real luminaire efficacy Tj=85ºC (UNE EN 13032-4) (up to):	lm/W	120

ELECTRIC SPECIFICATIONS:

Nominal maximum power (LEDs):	W	45
Maximum power consumed (luminaire):	W	50
Power range:	W	20 - 50W
Maximum current of LED:	mA	<500 (<50% Imax)
Power supply protection classes IEC:		RG0 (exempt of risk)
Surge protection device (SPD):		Type 2, 10kV and 20kA transient surge protector. Series connection with thermofuse disconnector for a more effective protection at the end of its service life
Common and differential mode protection (SPD) Udc:	kV	10 and optional NTC
Max current (8/20) (SPD):	kA	20
Thermal phase disconnection (SPD):		Yes
Input voltage:	Vac	220-240
Input voltage (max rate):	Vac	198-264
Input frecquency:	Hz	47-63
Starting current:	A	<65
Duration of the starting voltage peak:	ms	<0,3
Driver efficacy:		>90%
Power factor 100% consumption:		>0,98
Power factor 50% consumption:		>0,95
Total harmonic distortion (THD):		<10
Power consumption on standby mode:	W	<0,4
Energy class:		A++ IPEA>1,15

OPERATING CONDITIONS:

Average LED useful time L90B10:		>100.000
Average driver useful life to Tp <70ºC:		100.000
Average luminaire useful life L90B10 (TM-21):		
Ambient temperature (Ta):	ºC	From -35°C to +50°C
Aerodynamic resistance (CxS):	m2	
Vibration test (15Hz 3 axis):		
Wind load test:		
Guarantee:	years	5 years (extensible up to 10 years)

PACKAGING DIMENSIONS:

Net weight	kg	31
Gross weight	kg	34
Luminaire dimensions (LxWxH)	mm	4000x168 (diámetro)
Packaging dimensions (LxWxH)	mm	
Pieces per box		
Quantity per container 20ft		
Quantity per container 40ft		

CERTIFICATES:

Security certificates:	EMC certificates:	Other certifications:
EN 40 / EN 62031 / EN 62493 / EN 62471 / IEC 62778 /EN 61247-2-13	EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 61347-2-13 / EN 61347-1 / EN 62384	IEC 62262 / EN 13032-4 / EN 62717 / EN 6272-1 / EN 6272-2-1 / EN 61643-11

BENITO

info@benito.com
tel. 93 852 1000