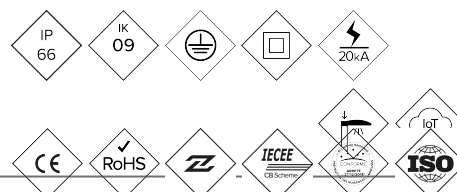




Streetlamp STARK

ACS



Light Point features a cylindrical design made of extruded aluminum. Highly robust and durable, its understated and modern design blends seamlessly into any urban environment. It incorporates a BENITO LED module at its end, offering a wattage range from 20W to 50W, thus meeting any lighting requirement.

MAIN FEATURES:

- High efficiency. Up to 145 lm/W real
- Symmetrical or Asymmetrical light distribution
- Easy maintenance
- Ready to incorporate the Ready4IoT remote management system

APPLICATIONS:

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

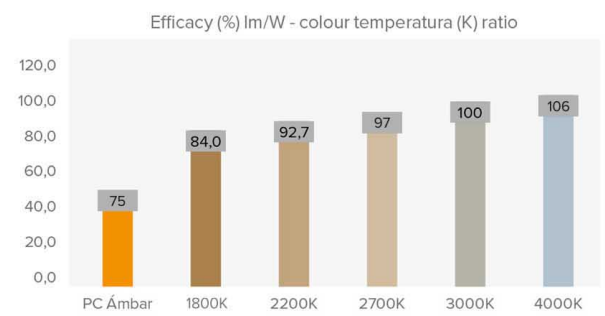
SPECIFICATIONS :

Housing material:	Extruded aluminum tube with a cylindrical section of 168 mm in diameter.
Diffuser (optic system enclosure):	4mm polycarbonate. UV filter.
Fixing elements:	18/8 Stainless Steel - AISI 304
Housing:	Built in one piece with a register for the BENITO Module
Sealing gaskets:	Silicone (extrusion)
IP rating (luminaire):	
IP rating (optic system):	IP66
IK rating (impact resistance):	IK09
LEDs thermal dissipation:	High-efficiency heatsink. Passive convection dissipation ensures thermal contact between the LED modules through highly conductive heat transfer material.
Anti-condensation valve:	Pressure compensation valve that ensures moisture evacuation, preventing condensation and maintaining the module's IP tightness rating.
Paint and finishes:	Polyester powder coating, electrostatically sprayed and oven-sublimated. Corrosion-resistant.
Colour:	RAL 9006
Mounting:	Fixing by bolts
Tilt range:	Non-adjustable luminaire
Maintenance:	Replaceable modules: LEDs, Drivers, SPD.
Recommended mounting height:	4 m
Driver:	Dimmable and programmable constant current driver. Built into the luminaire, pre-wired on a steel plate. .
Flow Reduction:	Dimmable 0-10V Driver, programmable in 5 levels and with DALI 2 option. With the features of Wireless, AOC, MTP, DTL.
Ready4IOT - Connectivity:	<ul style="list-style-type: none">- Autonomous multiple-level dimming or virtual midnight- Ready4IoT- Dimming by main voltage- Line switch
Surge protection device (SPD):	Type 2, 10-20kV and 20kA transient surge protector. Series connection with thermofuse disconnecter for a more effective protection at the end of its service life
DarkSky Approved	

TECHNICAL DATA:

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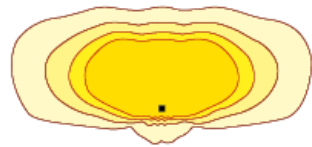
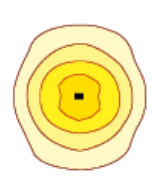
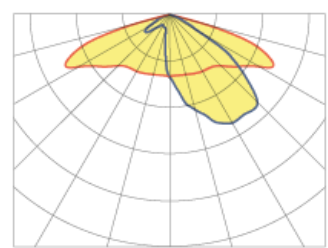
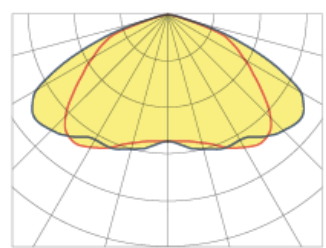
Real luminous flux (T) =85°C		Initial luminous flux (T) =25°C	
Flux lm	Efficacy lm/W	Flux lm	Efficacy lm/W
6000	120	6840	137



PHOTOMETRY:

Square Symmetric (S4)

Extensive Asymmetric (AE)



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

LEDs MODULE:

LEDs module:	BENITO 25 LEDs. Consult Color Temperatures, CRI, and Light Distributions.
Replaceable module:	YEAH
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 n°3:	>95%
Photobiological safety:	RG0 (risk-free)
Initial luminous flux Tj=25°C (up to):	lm 6840
Initial luminaire efficacy Tj=25°C (up to):	lm/W 137
Real luminous flux Tj=85°C (UNE EN 13032-4) (up to):	lm 6000
Real luminaire efficacy Tj=85°C (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% I _{max})
Power supply protection classes IEC:	Class I and II
Surge protection device (SPD):	Type 2, 10-20kV and 20kA transient surge protector. Series connection with thermofuse disconnecter 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 frequency:	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:	C (According to EU Regulation 2019/2015 EPREL) - A++ IPEA>1.15

OPERATING CONDITIONS:

Average LED useful time L90B10:	hours >100.000
Average driver useful life to Tp <70°C:	hours 100.000
Average luminaire useful life L90B10 (TM-21):	hours
Ambient temperature (Ta):	°C 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