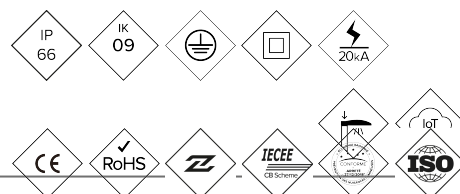




# Streetlamp STARK

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"><li>- Autonomous multiple-level dimming or virtual midnight</li><li>- Ready4IoT</li><li>- Dimming by main voltage</li><li>- Line switch</li></ul> |
| 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                   |                                                                                                                                                                                     |

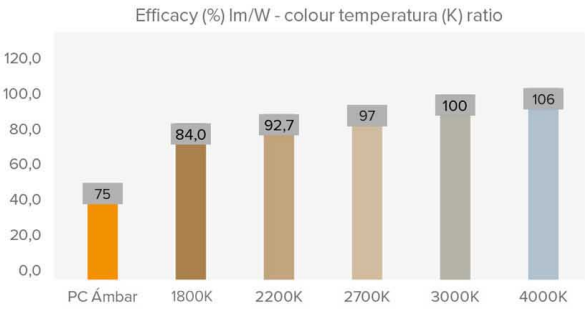
# INSTALLATION:



V. 2025-12-29 | 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.

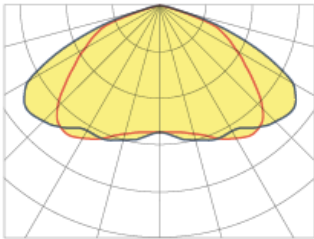
# TECHNICAL DATA:

|       | 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 |
| Stark | ACS  | 25      | 50      | 600         | 6000                         | 120           | 6840                             | 137           |

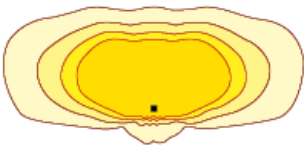
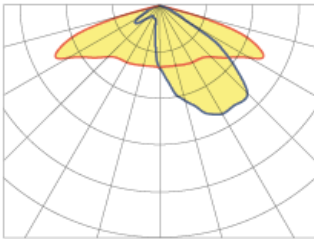


# PHOTOMETRY:

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 <sub>max</sub> ) |
| 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 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / IEC 62262 / EN 13032-4 / EN 62717 / EN 6272-1 / EN 6272-2-1 / EN 61643-11 |                       |
| /EN 61247-2-13                                     |  | EN 61347-2-13 / EN 61347-1 / EN 62384                                                                                         |                       |

**BENITO****info@benito.com**  
**tel. 93 852 1000**