LED Area Illumination
Ambiente Smart Streetlight

Benefits

- Increases visibility and comfort
- Most advanced LED-technology
- High efficient design: up to 101 lm/W luminaire efficacy
- Outdoor ambient resistant -40°C to +60°C
- Integrated die cast aluminium housing ensures good thermal management maximizing life and LED performance
- Protected on against moisture, power dips or surges
- Same model for straight or bended poles, easy finetuning of angle
- Easy to install by one person
- Attractive design
- Mounting height: max. 18 meter
- Night-time dimming. Configurable dusk till dawn dimming schedule
- Self-controlled operating conditions:
  - Luminaire Intelligent Protection System (LIPS)
  - Active Overheat Protection (AOP)
  - Light Normalizer - No Lumen drop during lifetime
- Integrated EOS technology:
  - Plug-and-play self-organizing wireless network
  - Encrypted communication
  - Advised maximum spacing for network: 30 meter
- Intuitive control and analysis with the EOS Manager app:
  - User authentication and data encryption
  - Visual representation of your EOS network
  - Extensive configuration, information, and usage statistics
  - Share sensor information between EOS devices

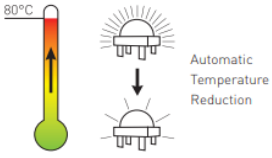
Features

Productgroup	Ambiente
Power supply	Integrated
Input voltage	90 - 305 Vac | 127 - 431 VDC
Frequency	47 - 63 Hz
Input Power (default)	40 Watt
Lumen output (up to)	4202 lm
Efficacy (default)	105 lm/W
Colour temperature (CCT)	3000 | 4000 | 5700 K
Colour rendering index (CRI)	83+ | 73+
Colour consistency	5 Macadam Ellipses
Upward light ratio (ULR)	< 1%
LED-count	16
Optic	PMMA
Beam optics	Street
Housing	Diecast aluminium / tempered safety glass
Mounting	Suits straight and angled poles
Pole diameter	48 - 60 mm
Dimensions	644 x 303 x 132 mm
Adjustable angle	-5° to +10°, bended or straight poles
EOS wireless technology	Yes
Motion sensor (PIR)	Available
Ingress protection	IP67
Mechanical impact resistance	IK08
Max SCx	0.0432 m²
IEC safety class	I
Power factor	0.96 typical
AC harmonics	Less than 10% THD compliant to EN55015
Inrush current	50A - 210µ
B-16A fuse	12 pcs
C-16A fuse	20 pcs
Operating temperature	-40°C to +60°C
Rated life (L80B10)	100,000+ hours

AOP Active Overheat Protection

LIPS Luminaire Intelligent Protection System

eos Integrated EOS Technology



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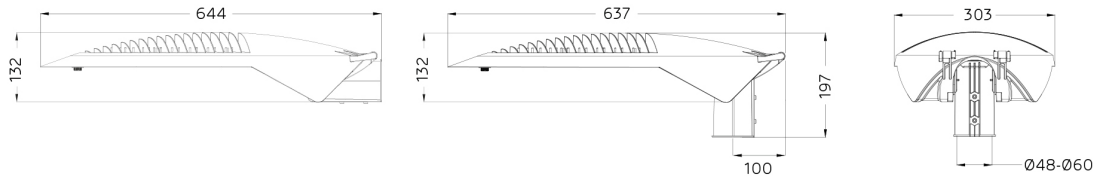
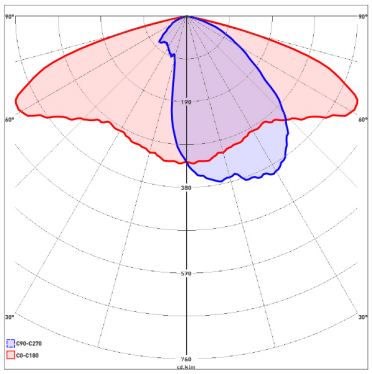
Dimensions



Optic



Ordering information

Name	SKU	Optic	Power	Lumen	Efficacy	CCT	CRI	Weight
Ambiente Smart Streetlight 16 LED								
Ambiente Streetlight 16LED 22W 4000K	16889	Street	22 W	3800 lm	97 lm/W	4000 K	83+	7.20 kg
Ambiente Streetlight 16LED 39W 4000K	17262	Street	39 W	4202 lm	105 lm/W	4000 K	83+	7.20 kg
Ambiente Streetlight 16LED 39W 5700K	19566	Street	39 W	4202 lm	105 lm/W	5700 K	73+	7.20 kg
Ambiente Streetlight 16LED 40W 4000K PIR	19382	Street	40 W	3800 lm	97 lm/W	4000 K	83+	7.20 kg
Ambiente Streetlight 16LED 40W 5700K PIR	19383	Street	40 W	3800 lm	97 lm/W	5700 K	73+	7.20 kg

Accessories

15354 Ambiente. Pole adapter 76=>60mm. Galvanised steel.

19376 Ambiente. Wall bracket. 110mm-Ø60mm arm 0° angle. Steel (galvanized)

SMART

20193 Smart+ upgrade

Compliances

IEC 60598-1	Luminaires - Part 1: General requirements
IEC 60598-2-3 +A1:2011	Luminaires - Part 2-3: Particular requirements – Luminaires for road and street lighting
IEC 62471:2008	Photobiological safety of lamps and lamp systems
IEC 60068-2-52	Environmental tests - Salt mist
50102	Degree of protection by enclosures for electrical equipment against external mechanical impacts (IK Code)
EN 55015: 2013	Emission - Electrical lighting and similar equipment
EN 61000-3-2: 2014	Limits for harmonic currents emissions
EN 61000-3-3: 2013	Limitation of voltage fluctuations and flicker

All product, product specifications and data are subject to change without notice to improve reliability, function, design or otherwise. Photos and pictures are for illustration purpose only