LED Area Illumination
Ambiente Smart Area XL

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

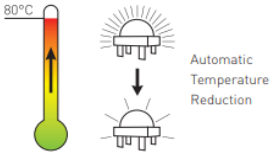
Features

Productgroup	Ambiente
Power supply	Integrated
Input voltage	90 - 305 Vac | 127 - 431 VDC
Frequency	47 - 63 Hz
Input Power (default)	180 Watt
Lumen output (up to)	18208 lm
Efficacy (default)	101 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	50 | 75
Optic	PMMA
Beam optics	Wide area
Housing	Diecast aluminium / tempered safety glass
Mounting	Suits straight and angled poles
Pole diameter	60 - 76 mm
Dimensions	864 x 375 x 178 mm
Adjustable angle	-5° to +10°, bended or straight poles
EOS wireless technology	Yes
Motion sensor (PIR)	Optional (EOS technology)
Ingress protection	IP65
Mechanical impact resistance	IK08
Max SCx	0.3 m²
IEC safety class	I
Power factor	0.96 typical
AC harmonics	Less than 10% THD compliant to EN55015
Inrush current	65 A 1.2 ms
B-16A fuse	10 pcs
C-16A fuse	14 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



RoHS COMPLIANT IP65 EMC CE CB

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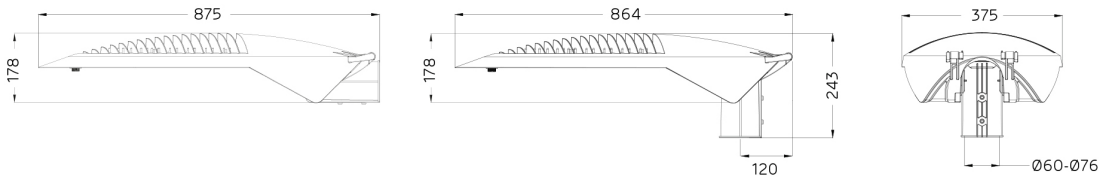
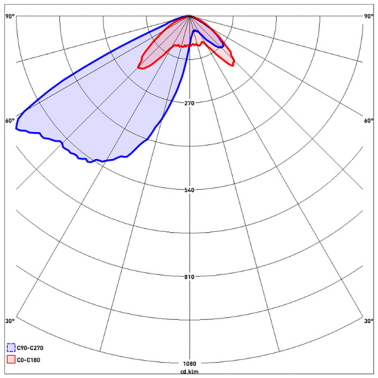
Dimensions



Optic



Ordering information

Name	SKU	Optic	Power	Lumen	Efficacy	CCT	CRI	Weight
Ambiente Smart Area XL 50 LED								
Ambiente Area XL 50LED 120W 3000K	18610	Wide area	120 W	12077 lm	100 lm/W	3000 K	73+	12.00 kg
Ambiente Area XL 50LED 120W 3000K PIR	20994	Wide area	120 W	12077 lm	101 lm/W	3000 K	73+	12.00 kg
Ambiente Area XL 50LED 120W 4000K	16885	Wide area	120 W	12077 lm	101 lm/W	4000 K	83+	12.00 kg
Ambiente Area XL 50LED 120W 4000K PIR	20995	Wide area	120 W	11835 lm	99 lm/W	4000 K	83+	12.00 kg
Ambiente Area XL 50LED 120W 5700K	16886	Wide area	120 W	12077 lm	100 lm/W	5700 K	73+	12.00 kg
Ambiente Area XL 50LED 120W 5700K PIR	20599	Wide area	120 W	18208 lm	101 lm/W	5700 K	73+	12.00 kg
Ambiente Smart Area XL 75 LED								
Ambiente Area XL 75LED 120W 3000K PIR	20780	Wide area	120 W	12077 lm	100 lm/W	3000 K	73+	12.00 kg
Ambiente Area XL 75LED 180W 3000K	18611	Wide area	180 W	18208 lm	101 lm/W	3000 K	73+	12.00 kg
Ambiente Area XL 75LED 180W 4000K	16887	Wide area	180 W	16811 lm	93 lm/W	4000 K	83+	12.00 kg
Ambiente Area XL 75LED 180W 4000K PIR	20287	Wide area	180 W	16811 lm	93 lm/W	4000 K	83+	12.00 kg
Ambiente Area XL 75LED 180W 5700K	16888	Wide area	180 W	18208 lm	101 lm/W	5700 K	73+	12.00 kg
Ambiente Area XL 75LED 180W 5700K PIR	20288	Wide area	180 W	18208 lm	101 lm/W	5700 K	73+	12.00 kg

Accessories

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

19335 Ambiente XL. Wall bracket. 110mm-Ø76mm 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
EN 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: 2006	Limits for harmonic currents emissions
+A1: 2009	
+A2: 2009	
EN 61000-3-3: 2013	Limitation of voltage fluctuations and flicker

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