

# Light that is light years ahead: lixtec full

CREATES MAXIMUM ENERGY EFFICIENCY TOGETHER  
WITH THE LIXTEC.COM LIGHT.

**lixtec**  
DYNAMIC LIGHT SOLUTIONS



## Light on demand: the perfect energy-saving solution.

The **lixtec** full light recognises moving objects whereupon it dims up the entire system (consisting of the full and the communication lights. com assigned to it) to maximum output via radio control. After a pre-defined time, the system dims again to a basic light. The result is the far-reaching adjustment of light production to specific needs. The full lights are always positioned at points in the system where road users can accumulate (e.g. at crossroads).

# Product characteristics

Type	30 Watt	60 Watt	90 Watt
Number of LEDs per light	20	40	60
Luminous flux <sup>1</sup>	2480 lm	5105 lm	7570 lm
Light colour	neutral white (4700 K)		
Average system output over 50,000 hrs.	34 Watt	67 Watt	96 Watt

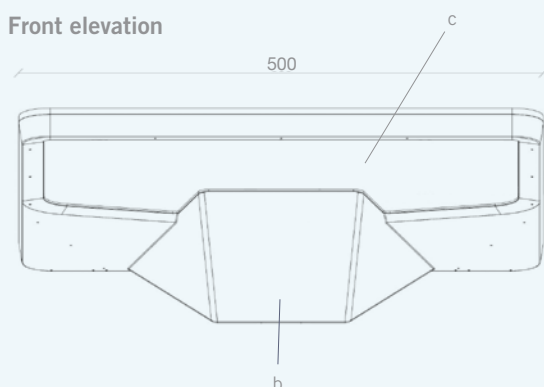
Electrical key data and luminous flux can change due to technical advances.

<sup>1</sup> Measured at 25 °C

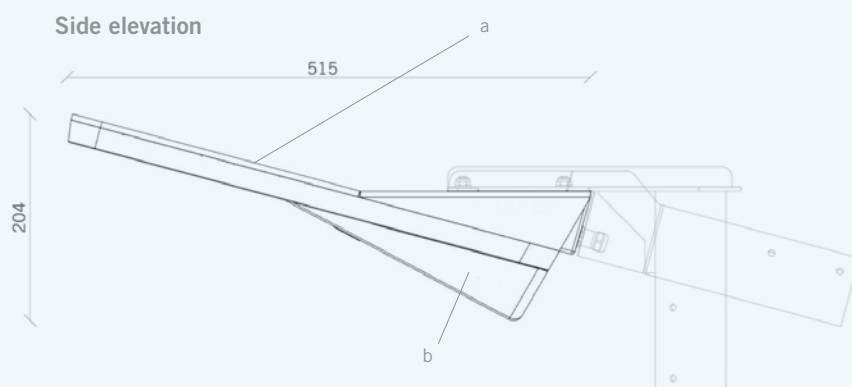
LED manufacturer and types	cree XP-G
Luminous flux per LED	170 lm/LED
Driver current	480 mA
Nominal voltage	220–240 V / 47–63 Hz
LED lifespan	100,000 hrs. <sup>2</sup>
Constant luminous flux	>50,000 hrs.
Ambient temperature	-30 °C < Ta < 40 °C
Colour rendering	RA >70
Dimensions [L x W x H]	515 x 500 x 143 mm
Material covering <sup>a</sup>	Aluminium powder-coated; colour: RAL 9006
Material housing <sup>b</sup>	ASA PC; colour: RAL 7011
Material glass <sup>c</sup>	ESG single pane 4 mm safety glass
Installation	Post top: 60/76 mm Post top: 42/60 mm
Maximum wind resistance surface (lateral)	0.028 m <sup>2</sup>
Impact strength (glass)	IK06
Weight	9 kg
Protection type	IP 66
Protection class	I/II
Radio	ISM Band (2.4 GHz)
Envisaged tests and certificates	EN60598-1, EN60598-2-3; EN62471, EN62031, TÜV, CE, ENEC

<sup>2</sup> according to manufacturer's specification

Front elevation



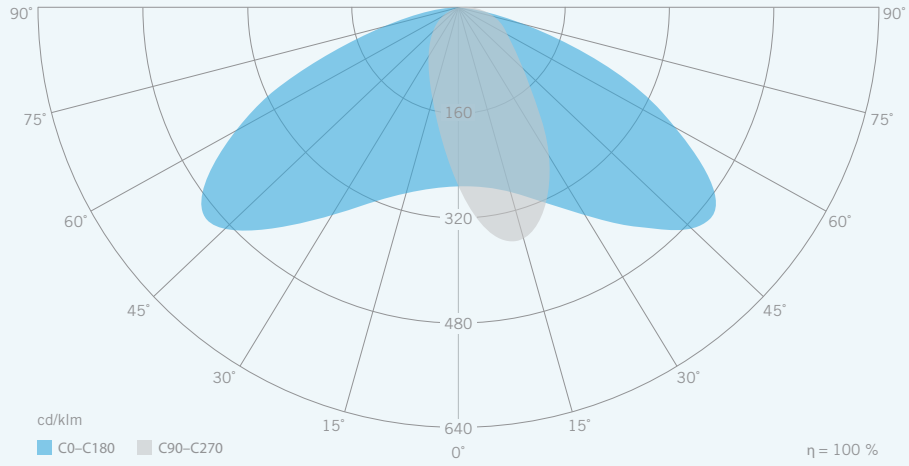
Side elevation



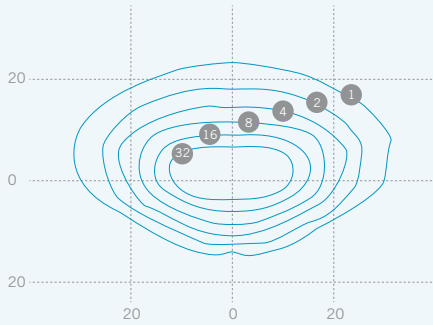
# Light distribution

## LIGHT DISTRIBUTION CURVE, FLOOR ISOLUX

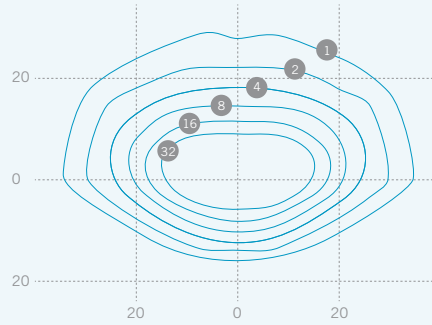
### Lixtec optics



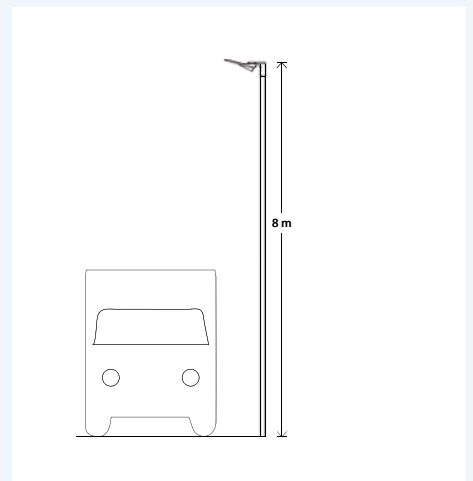
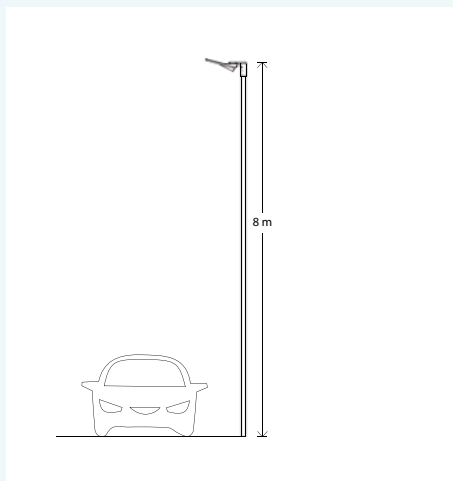
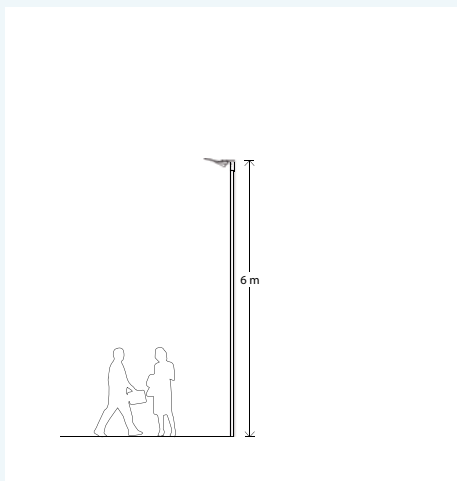
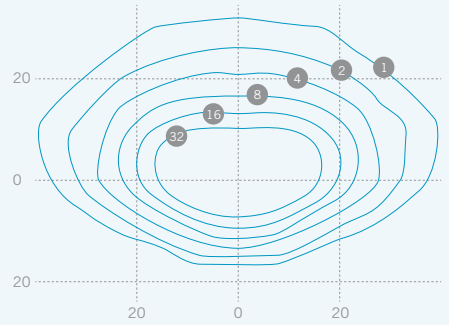
**30 Watt floor isolux**  
at 6 m light point height



**60 Watt floor isolux**  
at 8 m light point height



**90 Watt floor isolux**  
at 8 m light point height



# All advantages at a glance

- Demand-oriented light-on-demand operation
- Less scattered light due to targeted light control, light only where necessary, therefore fewer light emissions
- Extremely long lifespan and lower maintenance requirements and maintenance costs
- Unique, efficient and economical: maximum light output, minimum power consumption
- State-of-the-art high-power LED technology and lixtec sensor control
- Corresponds to street lighting standard DIN 13201
- Thermal management and dimming function increase lifespan and decrease costs by up to 85 %
- Can be adapted to every lighting situation
- Maximum light yield with low UV proportion (insect-friendly)
- Innovation and quality 'made in Austria'  
(developed and produced in accordance with ISO 9001:2008)

lixtec functional principle

