



next generation led

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IP 69	IK 10
Frequency 0-50/60Hz	Rated voltage 220-240V
650°C	NON-SELV
UV 	+35°C -25°C



STRONGERTUBE

weatherproof LED Luminaire

Properties

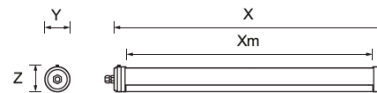
- L80B50(Ta=25°C)= 100.000hrs
- Has been developed for the highest demands
- The luminaire is gas-proof, thus protecting its LEDs from premature ageing. No gases e.g. sulphur or ammonia can enter the luminaire. It features maximum LED efficiency in applications with special atmospheres containing fumes, gases or solvents, e.g. intensive animal husbandry. The luminaire is also highly robust, offering protection i.e. to water and cleansing chemicals
- The unbreakable weatherproof IP69 LED luminaire: the high impact resistant acrylic glass (PMMA) IK10 makes this luminaire ideal for dusty and wet industrial applications with tough conditions
- Body made from resistant acrylic glass (PMMA) with plastic end caps
- Support ceiling, wall mounted, suspended installation
- 0-10V or DALI control possible
- Symmetric wide light intensity distribution
- Warranty : 5 years



IP 69K	IK 10	Through wiring	145 lm/W	Flicker FREE	Presence sensor
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Specifications

Weatherproof LL		
Power	46W	52W
Luminous flux	6500lm	7500lm
Input voltage	220-240 V / 50 - 60 Hz	
Color rendering index	Ra >80	
Color temperature	4000K	
Power factor	> 0.95	
UV Protection	Diffuser and body with UV protection	
Fire protection	GRP and PMMA: Flammability (UL94): HB/glow wire test (EN 60695-2-11): 650°C	
Number of LEDs	208	312
Dimension	X=1305mm, Xm=1205mm, Y=112mm, Z=112mm	



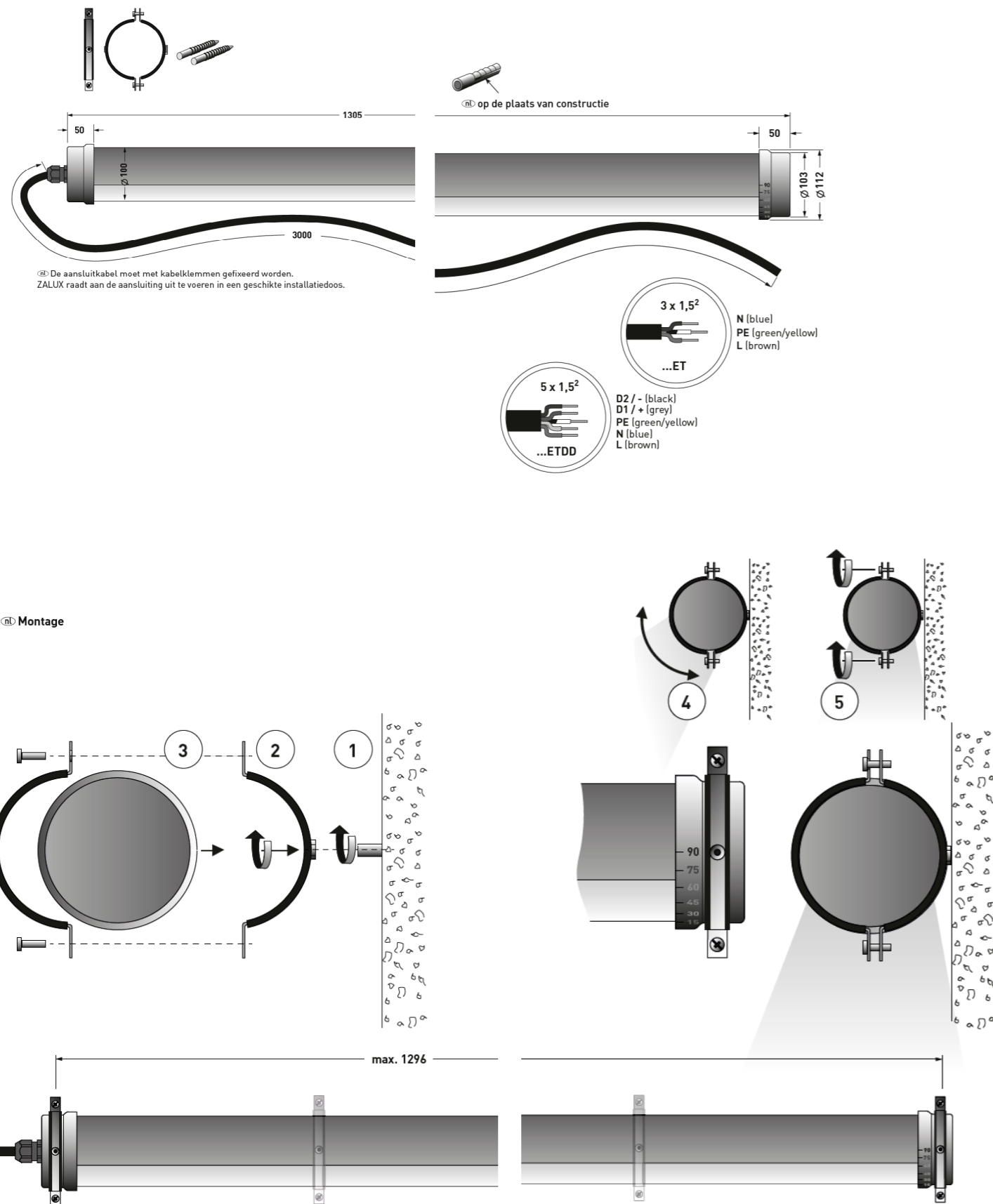
Application

Food and agricultural industry, farms, chemical industry, industrial sewage, damp room areas, petrochemical industry

Updated: June 2018

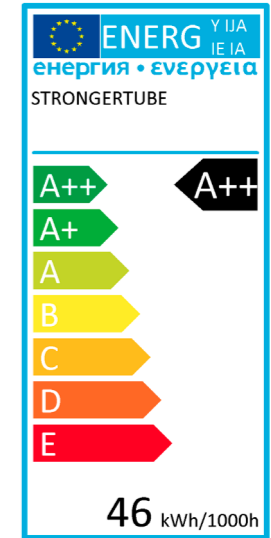


Installation guide

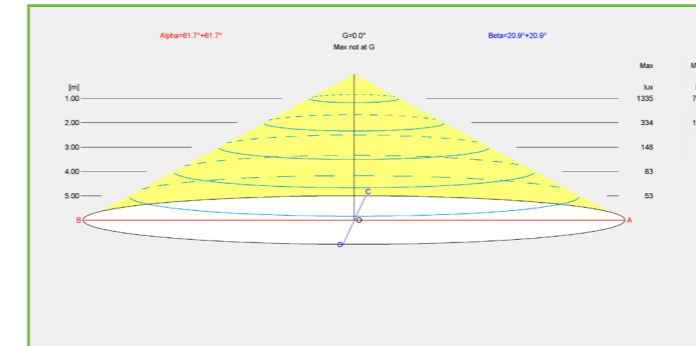


ENERGYLABEL

Electrical appliances carry an energy label. This label prints the so-called energy efficiency score in classes. These classes range from 'very energy efficient' (A++) to 'very waste of energy' (E). A more expensive new device may eventually turn out to be cheaper if the energy score is good. IPEA is the new system for luminaire energy efficiency assessment.



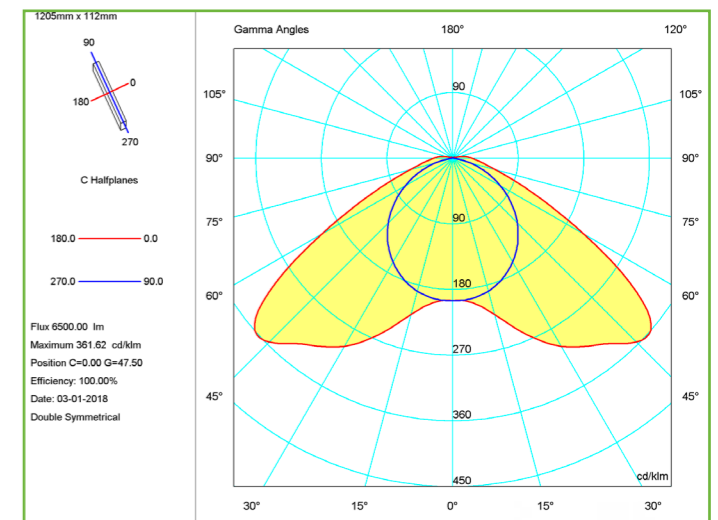
BEAM



The Illuminance Cone Diagram indicates the maximum illuminance at different distances from the fixture.

POLAR DIAGRAM

The polar luminous intensity graph illustrates the distribution of luminous intensity, in candelas, for the transverse (solid line) and axial (dashed line) planes of the luminaire. The shown curve provides a visual guide to the type of distribution expected from the luminaire e.g. wide, narrow, direct, indirect... in addition to intensity.



STRONGERTUBE

REFERENCE	WATT	LUMEN	COLOR	COVER	IK / IP
800-0405	46 W	6500lm	4000 K	PMMA	IK10/IP69K
800-0406	52 W	7500lm	4000 K	PMMA	IK10/IP69K

Chemical Agents	Polyester	Polycarbonate	Aluminium	PMMA	Stainless steel
Acetic acid 10%	✓	✓	✓	✓	✓
Acetone	∅	X	✓	X	✓
Alcoholic beverages	✓	✓	✓	∅	✓
Aluminium sulphate	✓	✓	✓	✓	∅
Ammonia 5%	∅	X	✓	✓	✓
Aniline	∅	X	✓	X	✓
Arsenic acid 20%	∅	✓	✓	✓	✓
Benzene	X	X	✓	X	∅
Bencylic alcohol	X	X	∅	X	∅
Bromine	X	X	X	X	X
Calcium Chloride	✓	✓	✓	✓	∅
Calcium nitrate	✓	✓	✓	✓	∅
Carbon tetrachloride	X	X	✓	X	∅
Carbonic acid	✓	X	✓	X	✓
Caustic potash 5%	X	X	X	✓	∅
Cement	✓	✓	✓	✓	∅
Hydrochloric acid 1-5%	∅	✓	X	✓	X
Chlorine liquids (vapours)	X	X	X	X	∅
Chloroform	X	X	✓	X	✓
Chromic acid	X	∅	X	∅	∅
Citric acid 20%	✓	✓	✓	✓	∅
Copper sulphate	✓	✓	X	✓	∅
Diesel-naphta oil	✓	∅	✓	✓	✓
Ethyl alcohol 30%	✓	✓	✓	∅	✓
Ethyl chloride	X	X	∅	X	✓
Ethyl ether	✓	X	✓	X	∅
Food oils and fats	✓	X	✓	✓	✓
Formic acid 10%	∅	✓	X	✓	∅
Glycerine	✓	✓	✓	✓	✓
Hexane	∅	✓	✓	✓	✓
Iodine	✓	X	∅	✓	X
Isopropyl alcohol	✓	∅	✓	∅	∅
Lubricating oil	✓	✓	✓	✓	✓
Magnesium sulphate	✓	✓	✓	✓	✓
Methanol	✓	X	✓	∅	✓
Mineral oils	✓	✓	✓	✓	✓
Nitric acid 20%	X	∅	X	✓	✓
Oxygen	✓	✓	✓	✓	✓
Ozone	✓	✓	✓	✓	∅
Perchloric acid 10%	X	✓	X	✓	X
Petrol	✓	X	✓	✓	✓
Phenol	∅	X	✓	X	∅
Potassium bromide	✓	✓	∅	✓	∅
Potassium nitrate	✓	✓	✓	✓	∅
Potassium permanganate	✓	✓	✓	✓	∅
Sea climate	✓	✓	∅	✓	∅
Silicon oils	✓	✓	✓	∅	✓
Soda bleach 15%	✓	X	∅	✓	∅
Sodium chloride	✓	✓	∅	✓	∅
Sodium hydroxide 5%	✓	X	X	✓	∅
Sodium sulphate	✓	✓	✓	✓	∅
Sugar	✓	✓	✓	✓	✓
Sulphur	✓	✓	✓	✓	∅
Sulphuric acid 30%	X	✓	X	✓	X
Toluene	X	X	✓	X	✓
Trichloroethylene	X	X	✓	X	∅
Zinc sulphate	✓	✓	∅	✓	∅