

LED Tri-Proof Premium



Characteristics

High luminous efficiency of up to 173 lm/W
 High grade of protection IP66
 Easy and quick installation
 Energy savings of up to 50 % (compared to luminaires that use fluorescent lamps)
 Material of the body: flame retardant glass fibre reinforced polyester
 Material of the diffuser: PMMA/PC
 RFI conform up to 300MHz
 Immunity according to standard
 PF \geq 0.95
 Energy efficiency class A, B

Typical application

Manufacturing plants
 Warehouse Lighting
 Car parks
 Under canopy lighting
 Stations

Electrical characteristics

Supply voltage	100-240VAC
Frequency	50/60 Hz
Power factor	\geq 0.95
Control Protocol(s)	DALI (optional)

Protection

Ingress protection	IP66
Safety class	Class I

Body characteristics

Housing	GRP (Glass fiber reinforced polyester)
Diffuser	PMMA/PC on request

Lighting characteristics

Efficiency	up to 173 lm/W
Color rendering index (CRI)	>80, >85 (optional) >90 (optional)
Color temperature (CCT)	3000K/4000K/6500K
Flicker	Flicker Free
LED chips	SAMSUNG

Warranty conditions

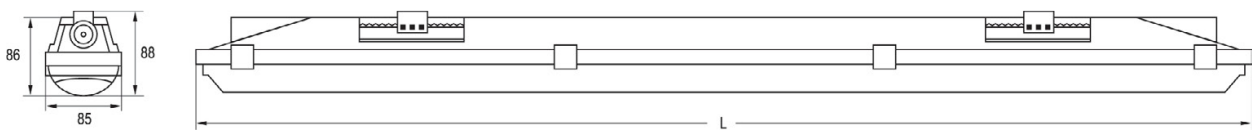
Lifespan	50 000 h
Warranty	5 Y
Ambient temperature	-20 ~ 35°C/on request 40°C
Storage temperature	-20 ~ 60°C

Standards

Harmonics	EN 61000-3-2
EMC Immunity	EN 61547
Conducted Emission Test	EN 55015
Luminaires	EN 60598-1
LED Luminaire performance	EN 62722-2-1
Photobiological safety	EN 62471

Product	Supply voltage	Rated power	Luminous flux	Efficiency	CCT	CRI	Flicker	Length (mm)	Width (mm)	Height (mm)
LED Tri-Proof Premium 23W	100-240VAC	22W	3 810lm	173.2lm/W	3000K/4000K/6500K	>80	FF	1185	85	88
LED Tri-Proof Premium 29W	100-240VAC	28W	4 870lm	173.9lm/W	3000K/4000K/6500K	>80	FF	1477	85	88
LED Tri-Proof Premium 37W	100-240VAC	36W	6 000lm	166.6lm/W	3000K/4000K/6500K	>80	FF	1185	85	88
LED Tri-Proof Premium 50W	100-240VAC	49W	8 100lm	165.3lm/W	3000K/4000K/6500K	>80	FF	1477	85	88
LED Tri-Proof Premium 54W	100-240VAC	54W	8 830lm	163.5lm/W	3000K/4000K/6500K	>80	FF	1477	85	88

Schemes



Lighting Curves

