

LED Tri-Proof



Characteristics

High luminous efficiency of up to 151 lm/W
 High grade of protection IP65
 „Option for Flicker free driver“
 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> 0.95

Typical application

Manufacturing plants
 Warehouse Lighting
 Car parks
 Under canopy lighting
 Stations

Electrical characteristics

Supply voltage	200-240VAC
	WW 100-240VAC
Frequency	50/60 Hz
Power factor	≥0.95

Protection

Ingress protection	IP65/IP66
Safety class	Class I

Body characteristics

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

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

Lighting characteristics

Efficiency	up to 151 lm/W
Color rendering index (CRI)	>80, >85, >90
Color temperature (CCT)	3000K/4000K/6500K
Flicker	No Flicker/Flicker <30%

Ref. №	Product	Rated Power	VAC	Efficiency	Luminous Flux	CCT	CRI	Flicker	Dimensions LxWxH
983023143030120	LED Tri-Proof 23W	23W	200-240	3 400lm	148lm/W	3 000K	>80	<30%	1185x85x88mm
983023134030345	LED Tri-Proof 23W	23W	200-240	3 100lm	134lm/W	3 000K	>85	<30%	1185x85x88mm
983023148030131	LED Tri-Proof 23W FF	23W	200-240	3 400lm	148lm/W	3 000K	>80	0%	1185x85x88mm
983023134030353	LED Tri-Proof 23W FF	23W	200-240	3 100lm	134lm/W	3 000K	>85	0%	1185x85x88mm
983023148030128	LED Tri-Proof 23W WW	23W	100-240	3 400lm	148lm/W	3 000K	>80	<30%	1185x85x88mm
983023134030350	LED Tri-Proof 23W WW	23W	100-240	3 100lm	134lm/W	3 000K	>85	<30%	1185x85x88mm
983023148030125	LED Tri-Proof 23W WW FF	23W	100-240	3 400lm	148lm/W	3 000K	>80	0%	1185x85x88mm
983023134030347	LED Tri-Proof 23W WW FF	23W	100-240	3 100lm	134lm/W	3 000K	>85	0%	1185x85x88mm
983029138030121	LED Tri-Proof 29W	29W	200-240	4 400lm	151lm/W	3 000K	>80	<30%	1477x85x88mm
983029137030356	LED Tri-Proof 29W	29W	200-240	4 000lm	137lm/W	3 000K	>85	<30%	1477x85x88mm
983029151030141	LED Tri-Proof 29W FF	29W	200-240	4 400lm	151lm/W	3 000K	>80	0%	1477x85x88mm
983029137030364	LED Tri-Proof 29W FF	29W	200-240	4 000lm	137lm/W	3 000K	>85	0%	1477x85x88mm
983029151030138	LED Tri-Proof 29W WW	29W	100-240	4 400lm	151lm/W	3 000K	>80	<30%	1477x85x88mm
983029137030361	LED Tri-Proof 29W WW	29W	100-240	4 000lm	137lm/W	3 000K	>85	<30%	1477x85x88mm
983029151030135	LED Tri-Proof 29W WW FF	29W	100-240	4 400lm	151lm/W	3 000K	>80	0%	1477x85x88mm
983029137030358	LED Tri-Proof 29W WW FF	29W	100-240	4 000lm	137lm/W	3 000K	>85	0%	1477x85x88mm
983037130030122	LED Tri-Proof 37W	37W	200-240	5 000lm	135lm/W	3 000K	>80	<30%	1185x85x88mm
983037131030367	LED Tri-Proof 37W	37W	200-240	4 850lm	131lm/W	3 000K	>85	<30%	1185x85x88mm
983037135030322	LED Tri-Proof 37W FF	37W	200-240	5 000lm	135lm/W	3 000K	>80	0%	1185x85x88mm
983037131030375	LED Tri-Proof 37W FF	37W	200-240	4 850lm	131lm/W	3 000K	>85	0%	1185x85x88mm
983037135030147	LED Tri-Proof 37W WW	37W	100-240	5 000lm	135lm/W	3 000K	>80	<30%	1185x85x88mm
983037131030372	LED Tri-Proof 37W WW	37W	100-240	4 850lm	131lm/W	3 000K	>85	<30%	1185x85x88mm
983037135030144	LED Tri-Proof 37W WW FF	37W	100-240	5 000lm	135lm/W	3 000K	>80	0%	1185x85x88mm
983037131030369	LED Tri-Proof 37W WW FF	37W	100-240	4 850lm	131lm/W	3 000K	>85	0%	1185x85x88mm
983050140030123	LED Tri-Proof 50W	50W	200-240	7 200lm	144lm/W	3 000K	>80	<30%	1477x85x88mm
983050132030378	LED Tri-Proof 50W	50W	200-240	6 600lm	132lm/W	3 000K	>85	<30%	1477x85x88mm
983050144030331	LED Tri-Proof 50W FF	50W	200-240	7 200lm	144lm/W	3 000K	>80	<10%	1477x85x88mm
983050132030386	LED Tri-Proof 50W FF	50W	200-240	6 600lm	132lm/W	3 000K	>85	<10%	1477x85x88mm
983050144030328	LED Tri-Proof 50W WW	50W	100-240	7 200lm	144lm/W	3 000K	>80	<30%	1477x85x88mm
983050132030383	LED Tri-Proof 50W WW	50W	100-240	6 600lm	132lm/W	3 000K	>85	<30%	1477x85x88mm
983050144030325	LED Tri-Proof 50W WW FF	50W	100-240	7 200lm	144lm/W	3 000K	>80	<10%	1477x85x88mm
983050132030380	LED Tri-Proof 50W WW FF	50W	100-240	6 600lm	132lm/W	3 000K	>85	<10%	1477x85x88mm
983050140030132	LED Tri-Proof 50WS	50W	200-240	7 000lm	140lm/W	3 000K	>80	<30%	1185x85x88mm
983050132030390	LED Tri-Proof 50WS	50W	200-240	6 400lm	128lm/W	3 000K	>85	<30%	1185x85x88mm

Ref. №	Product	Rated Power	VAC	Efficiency	Luminous Flux	CCT	CRI	Flicker	Dimensions LxWxH
983029138040041	LED Tri-Proof 23W	23W	200-240	3 400lm	148lm/W	4000K	>80	<30%	1185x85x88mm
983023143040300	LED Tri-Proof 23W	23W	200-240	3 100lm	134lm/W	4000K	>85	<30%	1185x85x88mm
983023148040132	LED Tri-Proof 23W FF	23W	200-240	3 400lm	148lm/W	4000K	>80	0%	1185x85x88mm
983023134040354	LED Tri-Proof 23W FF	23W	200-240	3 100lm	134lm/W	4000K	>85	0%	1185x85x88mm
983023148040129	LED Tri-Proof 23W WW	23W	100-240	3 400lm	148lm/W	4000K	>80	<30%	1185x85x88mm
983023134040351	LED Tri-Proof 23W WW	23W	100-240	3 100lm	134lm/W	4000K	>85	<30%	1185x85x88mm
983023148040126	LED Tri-Proof 23W WW FF	23W	100-240	3 400lm	148lm/W	4000K	>80	0%	1185x85x88mm
983023134040348	LED Tri-Proof 23W WW FF	23W	100-240	3 100lm	134lm/W	4000K	>85	0%	1185x85x88mm
983029138040042	LED Tri-Proof 29W	29W	200-240	4 400lm	151lm/W	4000K	>80	<30%	1477x85x88mm
983029138040301	LED Tri-Proof 29W	29W	200-240	4 000lm	137lm/W	4000K	>85	<30%	1477x85x88mm
983029151040142	LED Tri-Proof 29W FF	29W	200-240	4 400lm	151lm/W	4000K	>80	0%	1477x85x88mm
983029137040365	LED Tri-Proof 29W FF	29W	200-240	4 000lm	137lm/W	4000K	>85	0%	1477x85x88mm
983029151040139	LED Tri-Proof 29W WW	29W	100-240	4 400lm	151lm/W	4000K	>80	<30%	1477x85x88mm
983029137040362	LED Tri-Proof 29W WW	29W	100-240	4 000lm	137lm/W	4000K	>85	<30%	1477x85x88mm
983029151040136	LED Tri-Proof 29W WW FF	29W	100-240	4 400lm	151lm/W	4000K	>80	0%	1477x85x88mm
983029137040359	LED Tri-Proof 29W WW FF	29W	100-240	4 000lm	137lm/W	4000K	>85	0%	1477x85x88mm
983037130040043	LED Tri-Proof 37W	37W	200-240	5 000lm	135lm/W	4000K	>80	<30%	1185x85x88mm
983037130040302	LED Tri-Proof 37W	37W	200-240	4 850lm	131lm/W	4000K	>85	<30%	1185x85x88mm
983037135040323	LED Tri-Proof 37W FF	37W	200-240	5 000lm	135lm/W	4000K	>80	0%	1185x85x88mm
983037131040376	LED Tri-Proof 37W FF	37W	200-240	4 850lm	131lm/W	4000K	>85	0%	1185x85x88mm
983037135040148	LED Tri-Proof 37W WW	37W	100-240	5 000lm	135lm/W	4000K	>80	<30%	1185x85x88mm
983037131040373	LED Tri-Proof 37W WW	37W	100-240	4 850lm	131lm/W	4000K	>85	<30%	1185x85x88mm
983037135040145	LED Tri-Proof 37W WW FF	37W	100-240	5 000lm	135lm/W	4000K	>80	0%	1185x85x88mm
983037131040370	LED Tri-Proof 37W WW FF	37W	100-240	4 850lm	131lm/W	4000K	>85	0%	1185x85x88mm
983050140040044	LED Tri-Proof 50W	50W	200-240	7 200lm	144lm/W	4000K	>80	<30%	1477x85x88mm
983050140040304	LED Tri-Proof 50W	50W	200-240	6 600lm	132lm/W	4000K	>85	<30%	1477x85x88mm
983050144040332	LED Tri-Proof 50W FF	50W	200-240	7 200lm	144lm/W	4000K	>80	<10%	1477x85x88mm
983050132040387	LED Tri-Proof 50W FF	50W	200-240	6 600lm	132lm/W	4000K	>85	<10%	1477x85x88mm
983050144040329	LED Tri-Proof 50W WW	50W	100-240	7 200lm	144lm/W	4000K	>80	<30%	1477x85x88mm
983050132040384	LED Tri-Proof 50W WW	50W	100-240	6 600lm	132lm/W	4000K	>85	<30%	1477x85x88mm
983050144040326	LED Tri-Proof 50W WW FF	50W	100-240	7 200lm	144lm/W	4000K	>80	<10%	1477x85x88mm
983050132040381	LED Tri-Proof 50W WW FF	50W	100-240	6 600lm	132lm/W	4000K	>85	<10%	1477x85x88mm
983050140040134	LED Tri-Proof 50WS	50W	200-240	7 000lm	140lm/W	4000K	>80	<30%	1185x85x88mm
983050132040391	LED Tri-Proof 50WS	50W	200-240	6 600lm	132lm/W	4000K	>85	<30%	1185x85x88mm

Ref. №	Product	Rated Power	VAC	Efficiency	Luminous Flux	CCT	CRI	Flicker	Dimensions LxWxH
983037130040116	LED Tri-Proof 23W	23W	200-240	3 400lm	148lm/W	6 500K	>80	<30%	1185x85x88mm
983023134060346	LED Tri-Proof 23W	23W	200-240	3 100lm	134lm/W	6 500K	>85	<30%	1185x85x88mm
983023148060133	LED Tri-Proof 23W FF	23W	200-240	3 400lm	148lm/W	6 500K	>80	0%	1185x85x88mm
983023134060355	LED Tri-Proof 23W FF	23W	200-240	3 100lm	134lm/W	6 500K	>85	0%	1185x85x88mm
983023148060130	LED Tri-Proof 23W WW	23W	100-240	3 400lm	148lm/W	6 500K	>80	<30%	1185x85x88mm
983023134060352	LED Tri-Proof 23W WW	23W	100-240	3 100lm	134lm/W	6 500K	>85	<30%	1185x85x88mm
983023148060127	LED Tri-Proof 23W WW FF	23W	100-240	3 400lm	148lm/W	6 500K	>80	0%	1185x85x88mm
983023134060349	LED Tri-Proof 23W WW FF	23W	100-240	3 100lm	134lm/W	6 500K	>85	0%	1185x85x88mm
983029138060117	LED Tri-Proof 29W	29W	200-240	4 400lm	151lm/W	6 500K	>80	<30%	1477x85x88mm
983029137060357	LED Tri-Proof 29W	29W	200-240	4 000lm	137lm/W	6 500K	>85	<30%	1477x85x88mm
983029151060143	LED Tri-Proof 29W FF	29W	200-240	4 400lm	151lm/W	6 500K	>80	0%	1477x85x88mm
983029137060366	LED Tri-Proof 29W FF	29W	200-240	4 000lm	137lm/W	6 500K	>85	0%	1477x85x88mm
983029151060140	LED Tri-Proof 29W WW	29W	100-240	4 400lm	151lm/W	6 500K	>80	<30%	1477x85x88mm
983029137060363	LED Tri-Proof 29W WW	29W	100-240	4 000lm	137lm/W	6 500K	>85	<30%	1477x85x88mm
983029151060137	LED Tri-Proof 29W WW FF	29W	100-240	4 400lm	151lm/W	6 500K	>80	0%	1477x85x88mm
983029137060360	LED Tri-Proof 29W WW FF	29W	100-240	4 000lm	137lm/W	6 500K	>85	0%	1477x85x88mm
983037130060118	LED Tri-Proof 37W	37W	200-240	5 000lm	135lm/W	6 500K	>80	<30%	1185x85x88mm
983037131060368	LED Tri-Proof 37W	37W	200-240	4 850lm	131lm/W	6 500K	>85	<30%	1185x85x88mm
983037135060324	LED Tri-Proof 37W FF	37W	200-240	5 000lm	135lm/W	6 500K	>80	0%	1185x85x88mm
983037131060377	LED Tri-Proof 37W FF	37W	200-240	4 850lm	131lm/W	6 500K	>85	0%	1185x85x88mm
983037135060149	LED Tri-Proof 37W WW	37W	100-240	5 000lm	135lm/W	6 500K	>80	<30%	1185x85x88mm
983037131060374	LED Tri-Proof 37W WW	37W	100-240	4 850lm	131lm/W	6 500K	>85	<30%	1185x85x88mm
983037135060146	LED Tri-Proof 37W WW FF	37W	100-240	5 000lm	135lm/W	6 500K	>80	0%	1185x85x88mm
983037131060371	LED Tri-Proof 37W WW FF	37W	100-240	4 850lm	131lm/W	6 500K	>85	0%	1185x85x88mm
983050140060119	LED Tri-Proof 50W	50W	200-240	7 200lm	144lm/W	6 500K	>80	<30%	1477x85x88mm
983050132060379	LED Tri-Proof 50W	50W	200-240	6 600lm	132lm/W	6 500K	>85	<30%	1477x85x88mm
983050144060333	LED Tri-Proof 50W FF	50W	200-240	7 200lm	144lm/W	6 500K	>80	<10%	1477x85x88mm
983050132060388	LED Tri-Proof 50W FF	50W	200-240	6 600lm	132lm/W	6 500K	>85	<10%	1477x85x88mm
983050144060330	LED Tri-Proof 50W WW	50W	100-240	7 200lm	144lm/W	6 500K	>80	<30%	1477x85x88mm
983050132060385	LED Tri-Proof 50W WW	50W	100-240	6 600lm	132lm/W	6 500K	>85	<30%	1477x85x88mm
983050144060327	LED Tri-Proof 50W WW FF	50W	100-240	7 200lm	144lm/W	6 500K	>80	<10%	1477x85x88mm
983050132060382	LED Tri-Proof 50W WW FF	50W	100-240	6 600lm	132lm/W	6 500K	>85	<10%	1477x85x88mm
983050140060136	LED Tri-Proof 50WS	50W	200-240	7 000lm	140lm/W	6 500K	>80	<30%	1185x85x88mm
983050132060392	LED Tri-Proof 50WS	50W	200-240	6 400lm	128lm/W	6 500K	>85	<30%	1185x85x88mm

Lighting Curves

