














































































## Pictograms of the table heads

 Notes, additions	 Rated power	 Type of socket	 Light flux (lumen)
 Colour temperature (Kelvin)	 Substitution of compact fluorescent lamps	 Number of LED's (pcs)	 Energy efficiency class
 Substitution of traditional light bulbs	 Rated current (A)	 Substitution of metal halide lamps	 Substitution of halogen light bulbs
 Substitution of fluorescent tubes	 Delay time	 Column height and diameter (mm)	 Protection degree
 Bridging time	 Number of clips	 Lifespan	 Efficiency
 Illumination (lux)	 Electric capacity	 Colour of cover	 Packing
 Cutting size (mm)	 side protective contacts	 Light beam angle (°)	 Dimensions (L x W x H)
 Rotating lamp body	 Battery capacity (Ah)	 male protective contact	 Colour
 Primary current	 Upper secondary voltage limit	 Battery voltage (V)	 Battery type
 Rated voltage (V)			

## Pictograms of the technical data

 Rated voltage (V)	 Protection class: I.	 Protection class: II.	 Protection class: III.
 Lamp bodies to be installed on ceilings	 Lamp bodies for indoor lighting	 Lamp bodies for indoor and outdoor lighting	 Lamp bodies for outdoor lighting
 Rated frequency	 Lamp bodies to be installed on side walls	 Lamp bodies to be installed on ceilings or side walls	 Lamp bodies to be recessed into false ceilings
 Connecting cable	 Terminal capacity	 Connecting cable	 Protection degree
 Lifespan	 With magnetic ballast	 LED type	 Light source not to be changed
 Not to be used with dimmer control	 Ambient temperature	 Adjusting time	 Color rendering index
 Cutting allowed	 Number of switching cycles	 Minimum distance from illuminated object	 Light beam angle
 Illumination (lux)	 Dimmer control allowed	 Mercury content	 Running-up time
 With electronic ballast	 Sensor	 Remote control	 Motion speed
 Detection range	 Type of socket	 Type of socket	 Type of socket



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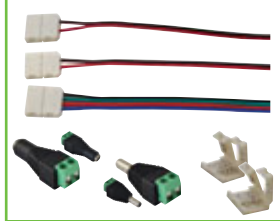
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LED drivers 52



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LED band accessories 53



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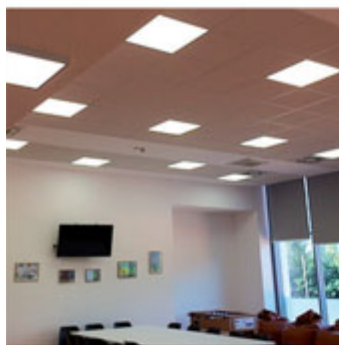
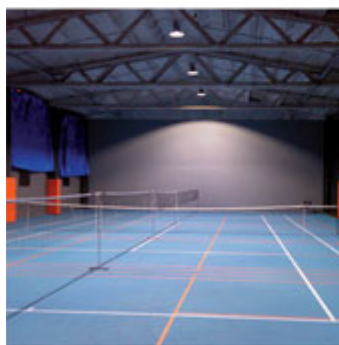
				
<b>LED lamps with globe shape 59</b>	<b>Big globe form 59</b>	<b>LED spotlamps with frosted cover 60</b>	<b>LED power spot lamps 61</b>	<b>COB LED lamps 62</b>
				
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<b>Infrared type motion sensors 76</b>	<b>Radar (microwave) type motion sensors 78</b>	<b>Radar (microwave) type motion sensors 78</b>	<b>Presence sensor 79</b>	<b>Twilight sensors 79</b>

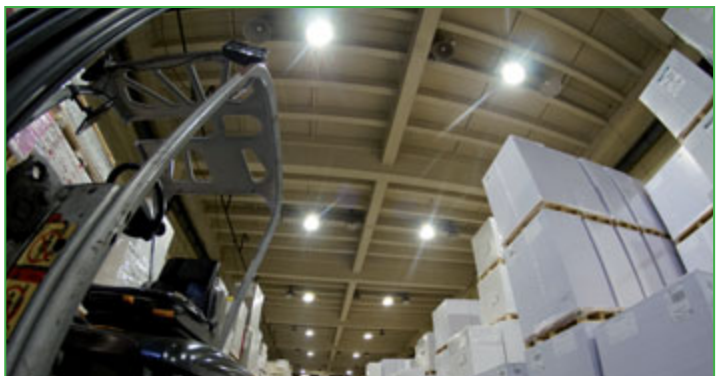
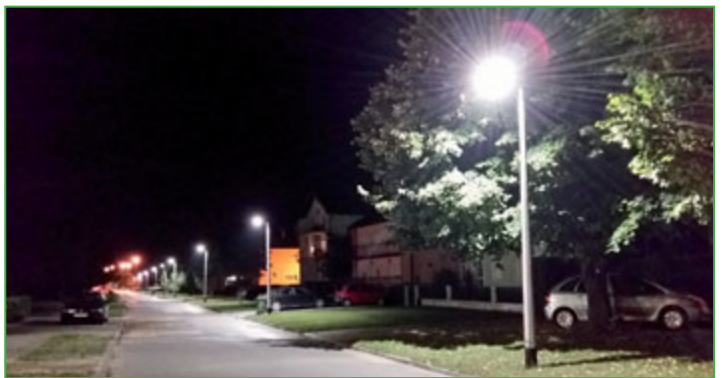
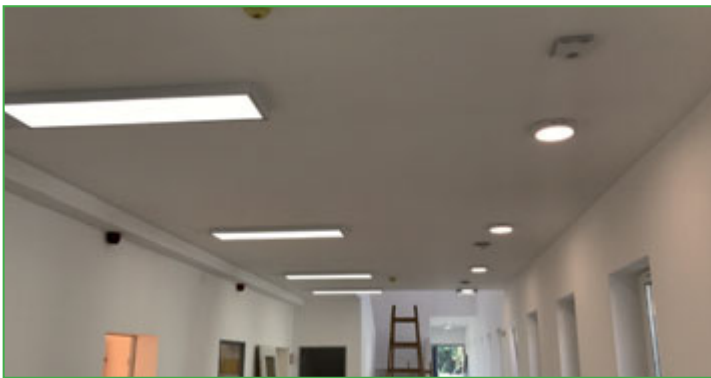


# References

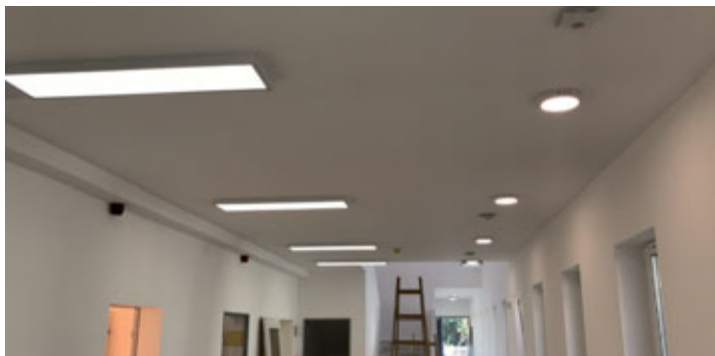
Please take your time to look the references of indoor and outdoor projects fulfilled with Tracon products.

- Károly Flesch Cultural Center – Mosonmagyaróvár, Hungary
- Public lighting Mosonmagyaróvár – Mosonmagyaróvár, Hungary
- Aeroplane hangar Gyúró – Gyúró, Hungary
- Awareness rising and Recycling Center – Budapest, Hungary
- Akacia grove kindergarden – Szigetszentmiklós, Hungary
- Cultural Center Kisvárdá – Kisvárdá, Hungary
- Raben Trans European Logistic Center – Dunaharaszti, Hungary
- BHG dance studio – Budapest, Hungary
- ML Produktion s.r.o – Myjava, Slovakia
- Slovakian Academy of Sciences – Bratislava, Slovakia
- New terrace Apartments - 216 flats – Kosice, Slovakia
- Reactive power controller board – Nizny Hrusov, Slovakia
- Magneti Marelli Factory, Industrial Park Kosice – Kosice, Slovakia
- Mechanical workshop – Pivka, Slovenia
- Shop and offices – Ormoz, Slovenia
- Warehouse – Ormoz, Slovenia
- Restaurant Prestige – Lazarevac, Serbia
- Milk factory Somboled – Sombor, Serbia
- Wrestling hall – Odorheiu Secuiesc, Romania
- AEM Factory – Timisoara, Romania
- Alusystem workshop – Timisoara, Romania
- Surub Trade hall – Targu Mures, Romania
- Sportscenter, outdoor, artificial turf football field – Čavle, Croatia
- Sportscenter, indoor, tennis and squash courts – Čavle, Croatia
- Apartment houses – Island Brac, Croatia
- Molo Longo - ferry port – Rijeka, Croatia
- Bjelovar - Streetlights – Bjelovar, Croatia
- Vinkovci - Streetlights – Vinkovci, Croatia
- Đakovo Gradski bazeni – Đakovo Gradski bazeni, Croatia
- Press office – Bielsko-Biala, Poland
- Woodworking plant - Tartak FENIKS – Miasteczko Śląskie, Poland
- Horticultural and beekeeping cooperating of Silesia – Ruda Śląska, Poland
- Waste processing center – Katowice, Poland









Developments in LED technology have reached a level to enable replacement of the earlier largely used metal-halide lamps with a more energy-efficient, economic and easier controllable lighting.

The evident saving and long service warranty compensate the heavier investment cost.

The LED high-bay lamps recommended for replacement of metal-halide lamps ensure uniform work-plane illumination.

The reflectors are offered with the most common 4.500 °K colour temperature.

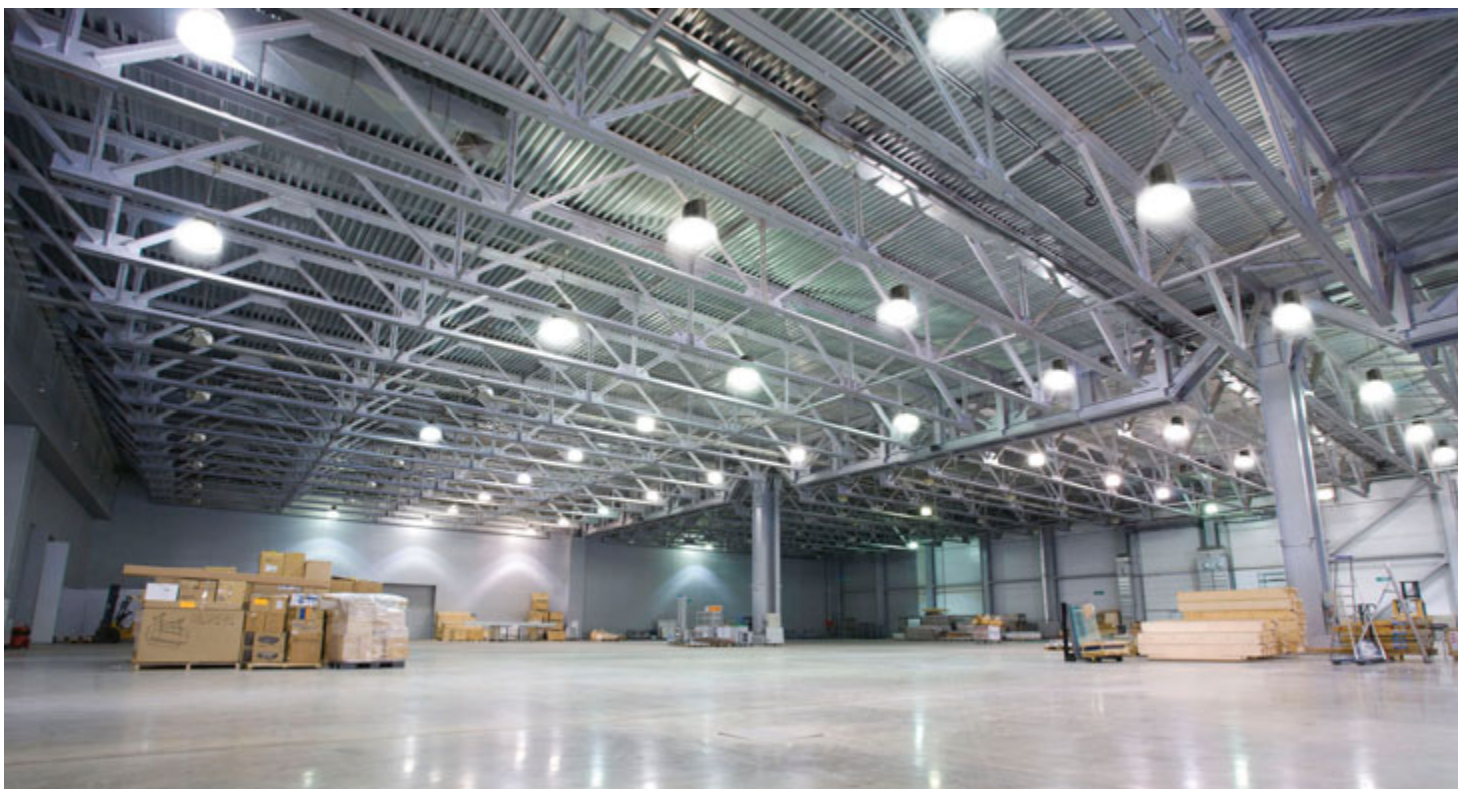
Products with other colour temperatures are delivered against overprice.

If wanted, the lamps are available with intelligent, controllable drivers, see below!

The data above refer to permanent use of the lighting system. Further energy saving is possible by light intensity control and controlled ON/OFF switching of the lamps by movement sensors.



You can find the detailed data sheet of all type of LED luminaries containing light distribution curves, dimensions, etc. in our Webshop.



**SCAN THE QR CODE!**

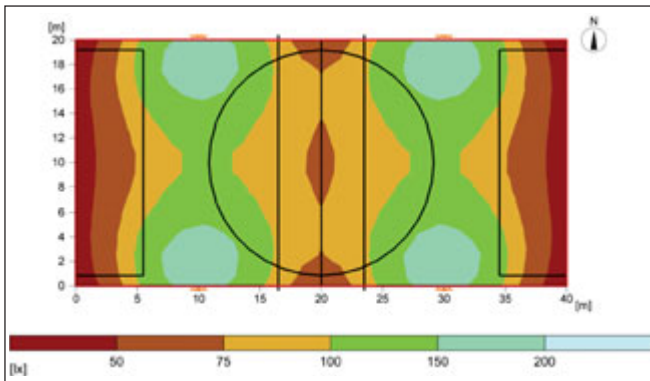
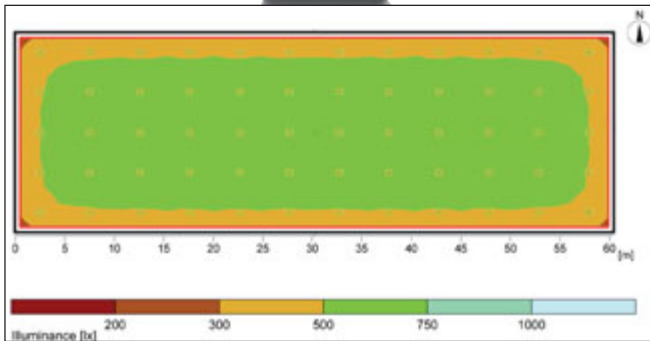
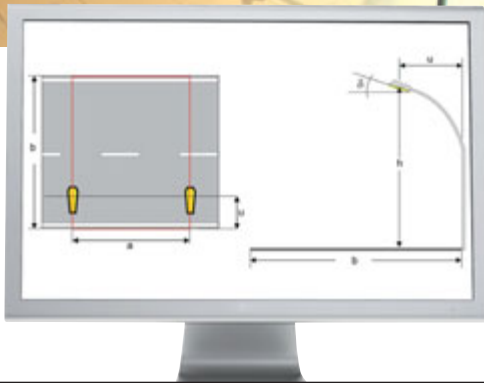
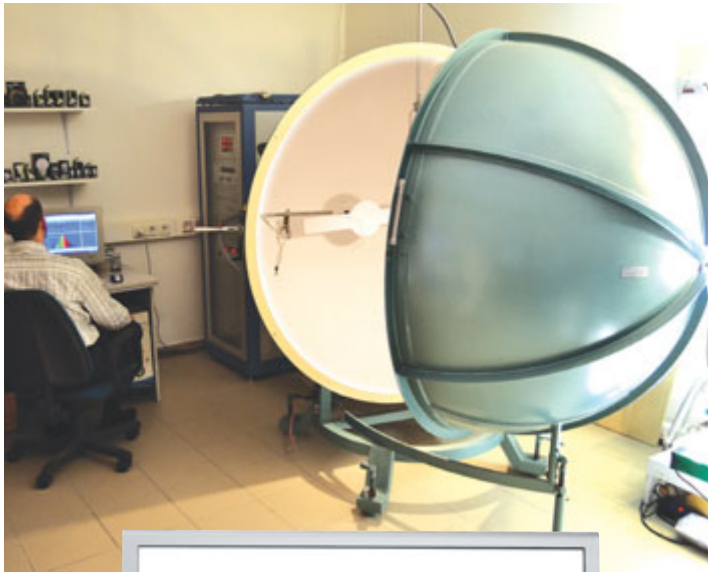
- Check our new products
- Be updated

**Our assortment is expanding quickly and continuously! Our catalogue shows the assortment of January 2017. Be up to date by our web page!**



## Lighting tests and light planning

We are testing our lighting products continuously in our lighting laboratory so make sure that our partners can get good quality products from us.



Spectrophotometer Test Report Page 1 of 1

Light Source Test Report

**CIE Color Parameters:**  
 Chromaticity Coordinate:  $x=0.3833$   $y=0.3816/u=0.2251$   $v=0.3361$  ( $duv=1.41e-003$ )  
 CCT:  $T_c= 3959K$  Prop WaveL:  $\phi=578.5nm$  Purity:  $29.5\%$   
 Peak WaveL:  $\phi=465nm$  Half Width:  $\mu=36.9nm$  Ratio:  $R=19.0\%$   $G=75.5\%$   $B=5.5\%$   
 Average Wave:  $571nm$   
 Rendering Index:  $Ra=83.4$   
 R1 =87 R2 =99 R3 =87 R4 =75 R5 =85 R6 =95 R7 =78 R8 =63  
 R9 =21 R10=98 R11=75 R12=68 R13=92 R14=93 R15=79

**Photo Parameters:**  
 Flux:  $\phi=860.89(lm)$  Luminous Efficacy:  $92.67(lm/W)$  Luminous Power:  $P=2.694(W)$

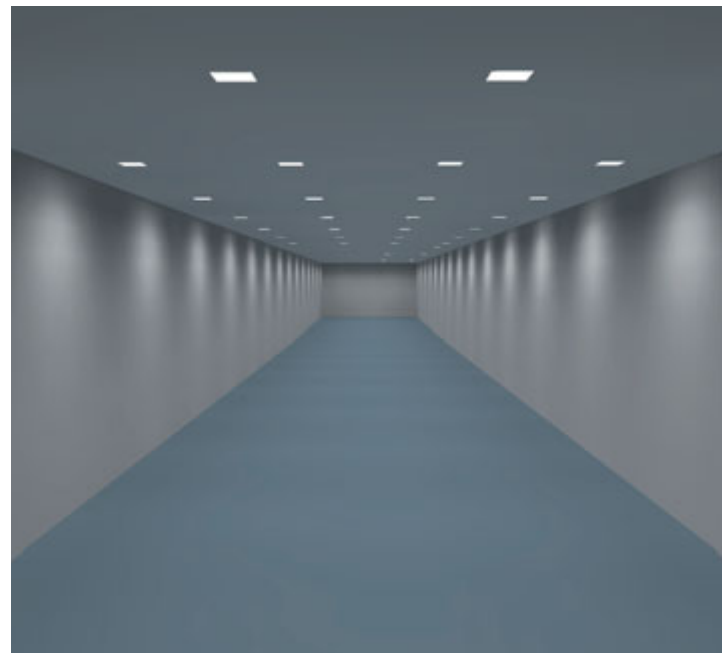
**Electrical Parameters:**  
 U=230.0V I=0.0855A P=9.289W PF=0.472

**Instrument Status:**  
 Scan Range: 380.0nm-800.0nm Interval: 5.0nm Ip = 57629(G=4, D=48)  
 REF = 41068 % = 0.100% TMP (PMT) = 26.8degrees centigrade

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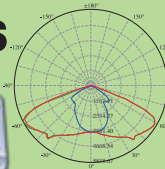
Product Type: LOA55E2710NW-1 Manufacturer: TRACON  
 Instrument: PMS-50 System Test Department: TRACON  
 Temperature: 27.6deg Humidity: 65.0%  
 Test Operator: Szabó Renáta Test Date: 2014-07-09 08:12

We are supporting the common work with our partners using the Relux software generating preliminary light plans.



For easier light planning the IES photometric files of our professional LED lights can be downloaded from our web page. These IES format files can import easily to common used light planning programs (Dialux, Relux).

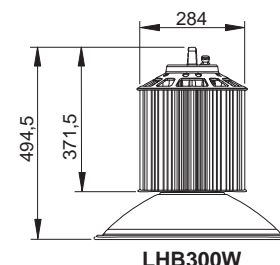
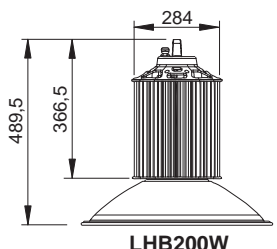
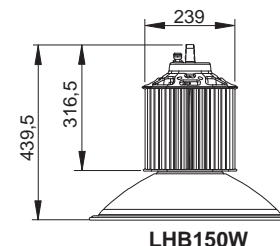
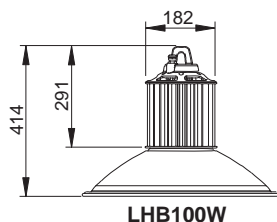
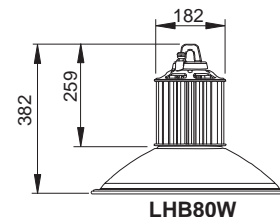
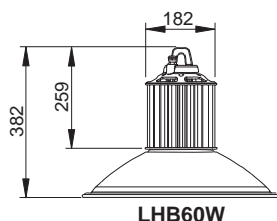
**.ies**



**LED indoor high bay lights**



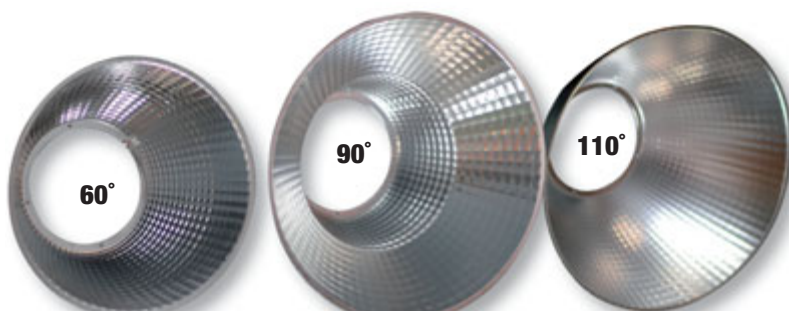
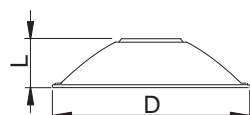
TRACON	[W]	LED	[lm]	Tc [K]	IP..	Ei
<b>LHB80W</b>	80 W	200 W	8.000 lm	4.500 K	IP 40	A+
<b>LHB100W</b>	100 W	250 W	10.000 lm	4.500 K	IP 40	A+
<b>LHB150W</b>	150 W	400 W	15.000 lm	4.500 K	IP 40	A+
<b>LHB200W</b>	200 W	500 W	20.000 lm	4.500 K	IP 40	A
<b>LHB300W</b>	300 W	800 W	30.000 lm	4.500 K	IP 40	A



The reflector is included for the LHB lights so while ordering its type have to be provided! At follow-up order the price of reflector will be invoiced!

**Reflectors for LHB high bay lights**

TRACON	[°]	D×L
<b>LHBB60</b>	60°	350 × 200 mm
<b>LHBB90</b>	90°	480 × 155 mm
<b>LHBB110</b>	110°	500 × 150 mm

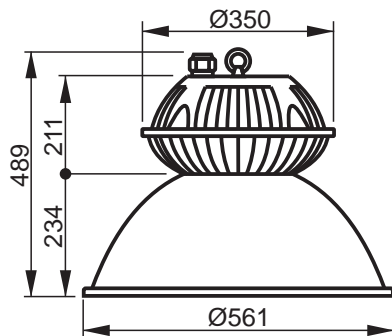
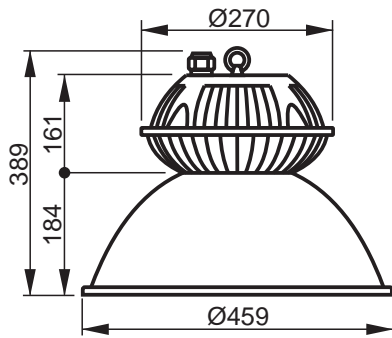




**Outdoor LED high bay lights, LHBP series**

100-240 V AC	50/60 Hz	[h] 50.000		$\geq 75$	ON-OFF $> 30.000$			EPISTAR LED			Ta -20...+50°C	cos $\phi$ $> 0,95$	120°
-----------------	----------	---------------	--	-----------	----------------------	--	--	----------------	--	--	-------------------	------------------------	------

TRACON	[W]	LED	[lm]	Tc [K]	IP..	
<b>LHBP100W</b>	100 W	250 W	9.000 lm	4.500 K	IP 65	A
<b>LHBP160W</b>	160 W	400 W	14.400 lm	4.500 K	IP 65	A
<b>LHBP200W</b>	200 W	500 W	18.000 lm	4.500 K	IP 65	A



LHBP100W



LHBP160W  
LHBP200W





**Outdoor LED high bay lights, LHBU series**

90-265 V AC	50/60 Hz	50.000 [h]		$\geq 75$ Ra	ON-OFF >30.000			EPISTAR LED			Ta -20...+50°C	cos $\phi$ >0,95	 120°
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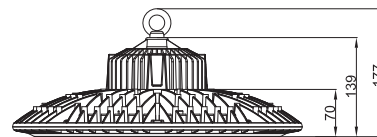
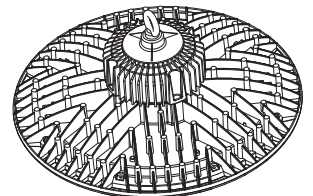
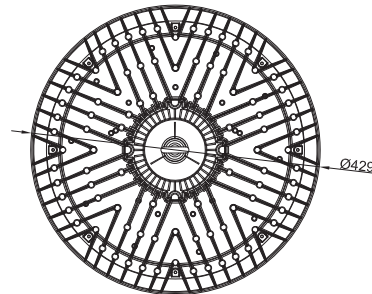
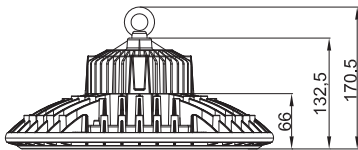
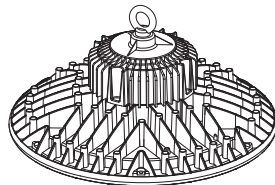
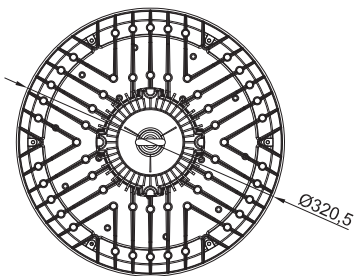
TRACON				Tc [K]	IP..	
LHBU100W	100 W	250 W	13.000 lm	4.500 K	IP 65	A+
LHBU150W	150 W	400 W	19.500 lm	4.500 K	IP 65	A
LHBU200W	200 W	500 W	26.000 lm	4.500 K	IP 65	A

LHBU100W

LHBU150W  
LHBU200W

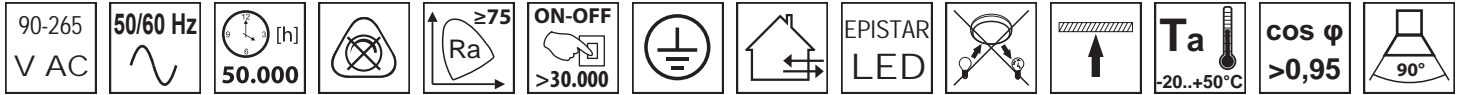


**5 YEARS**  
WARRANTY

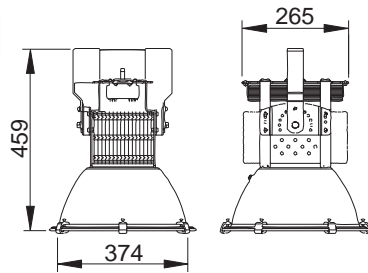


**CHANGE TO LED!**

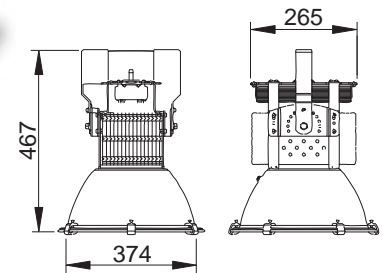
**LED outdoor high bay lights, series LHBO**



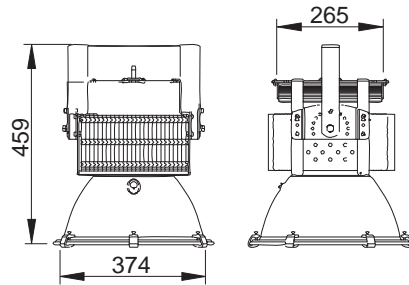
TRACON					IP..	
<b>LHBO100W</b>	100 W	250 W	10.000 lm	4.500 K	IP 65	A+
<b>LHBO150W</b>	150 W	400 W	15.000 lm	4.500 K	IP 65	A+
<b>LHBO200W</b>	200 W	500 W	20.000 lm	4.500 K	IP 65	A
<b>LHBO300W</b>	300 W	800 W	30.000 lm	4.500 K	IP 65	A
<b>LHBO400W</b>	400 W	1.000 W	40.000 lm	4.500 K	IP 65	A
<b>LHBO500W</b>	500 W	1.200 W	50.000 lm	4.500 K	IP 65	A



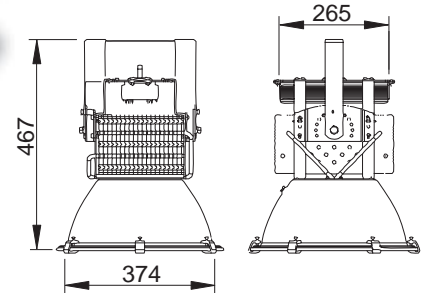
**LHBO150W**



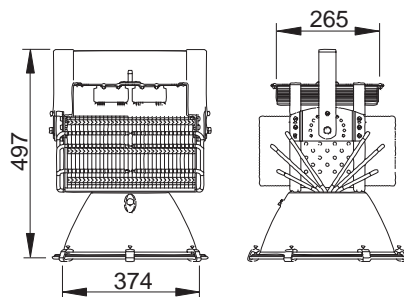
**LHBO100W**



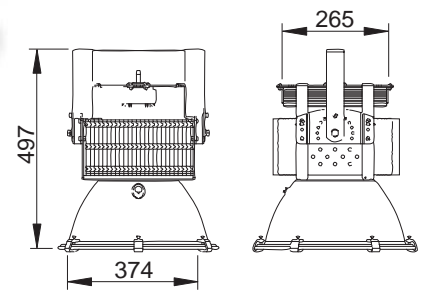
**LHBO300W**



**LHBO200W**



**LHBO500W**



**LHBO400W**



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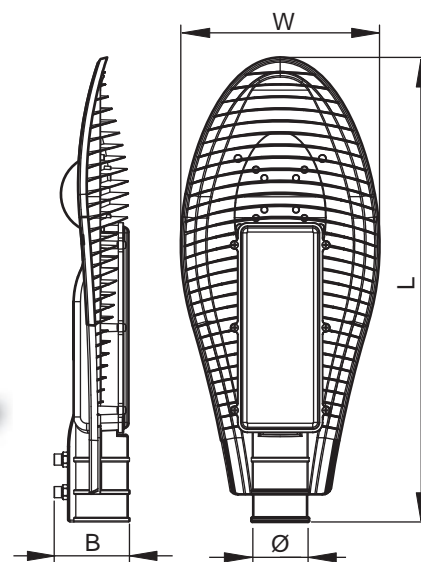
**LED Street lighting, LSJA series**



TRACON		LED	[lm]	Tc [K]	D x H	L (mm)	W (mm)	B (mm)	φ (mm)	
<b>LSJA30W</b>	1 x 30 W	70 W	3.000 lm	4.500 K	∅ 50 mm x 6 m	500	214	81	50	A+
<b>LSJA50W</b>	1 x 50 W	120 W	5.000 lm	4.500 K	∅ 50 mm x 6 m	500	214	81	50	A+
<b>LSJA60W</b>	1 x 60 W	150 W	6.000 lm	4.500 K	∅ 50 mm x 6 m	500	214	81	50	A+
<b>LSJA80W</b>	1 x 80 W	200 W	8.000 lm	4.500 K	∅ 60 mm x 8 m	620	260	101	60	A+
<b>LSJA100W</b>	2 x 50 W	250 W	10.000 lm	4.500 K	∅ 60 mm x 8 m	700	280	112	65	A
<b>LSJA120W</b>	2 x 60 W	300 W	12.000 lm	4.500 K	∅ 60 mm x 8 m	700	280	112	65	A
<b>LSJA150W</b>	3 x 50 W	400 W	15.000 lm	4.500 K	∅ 60 mm x 12 m	880	340	122	65	A
<b>LSJA180W</b>	3 x 60 W	500 W	18.000 lm	4.500 K	∅ 60 mm x 12 m	880	340	122	65	A
<b>LSJA200W</b>	4 x 50 W	550 W	20.000 lm	4.500 K	∅ 73 mm x 12 m	1100	420	126	73	A
<b>LSJA240W</b>	4 x 60 W	600 W	24.000 lm	4.500 K	∅ 73 mm x 12 m	1100	420	126	73	A



**5 YEARS WARRANTY**



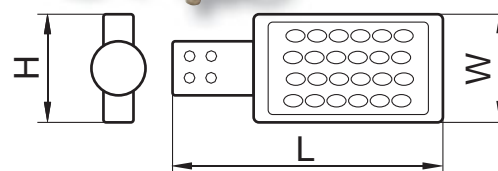
**LED Street lighting, LSJR series**



TRACON		LED	[lm]	Tc [K]	D	LxWxH	
<b>LSJR30W</b>	30 W	50 W	2.400 lm	2700/4500/6000 K	∅ 60 mm x 6 m	495x215x70 mm	A
<b>LSJR50W</b>	50 W	100 W	4.000 lm	2700/4500/6000 K	∅ 60 mm x 6 m	495x215x70 mm	A
<b>LSJR100W</b>	100 W	200 W	8.000 lm	2700/4500/6000 K	∅ 60 mm x 8 m	700x270x75 mm	A



**2 YEARS WARRANTY**

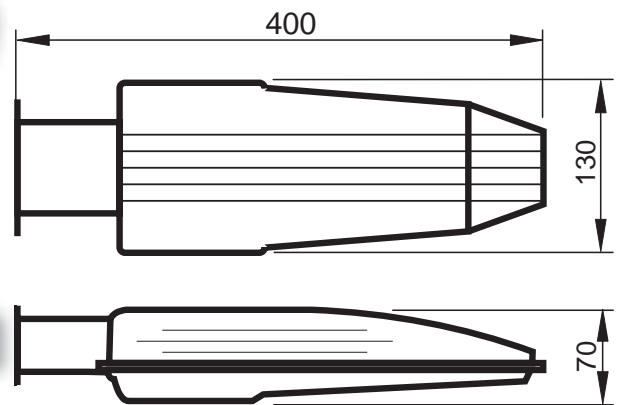




**LED Street lighting, LSJK series**

100-240 V AC	50/60 Hz	[h] 50.000		$\geq 75$	ON-OFF >30.000			SMD LED		3x1,5mm <sup>2</sup> 30 cm	IP 65
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<b>TRACON</b>			[lm]	Tc [K]	
<b>LSJK20W</b>	20 W	36 W	2.000 lm	4.500 K	A+



**Accessories**

<b>TRACON</b>	
---------------	--

<b>LSJKAV</b>	Pole adapter for LSJK streetlights, on horizontal poles, 50 mm
<b>LSJKAF</b>	Pole adapter for LSJK streetlights, on vertical poles, 50 mm
<b>LSJAA</b>	Pole adaptor for LSJA30/50/60 streetlights
<b>LSJAA906050</b>	Adjustable pole adapter for streetlights, (0/90°) -10° - +20°, 50/60 mm
<b>LSJAA906060</b>	Adjustable pole adapter for streetlights, (0/90°) -10° - +20°, 60/60 mm



LSJAA



LSJAA906050



LSJKAV



LSJKAF



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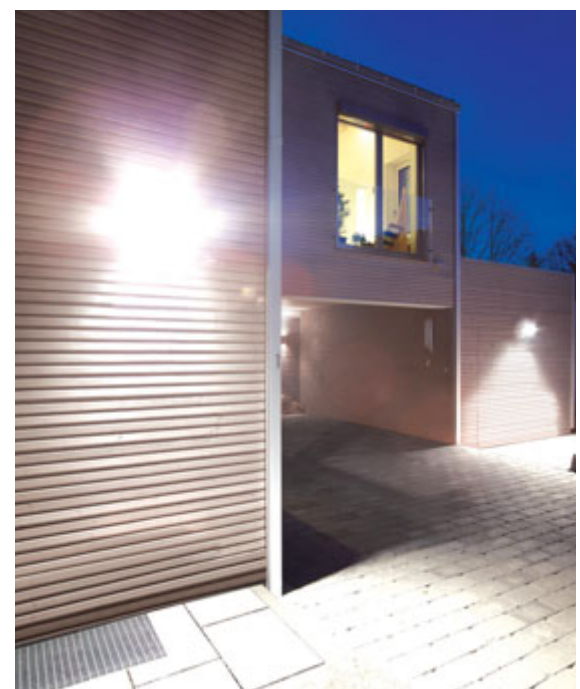
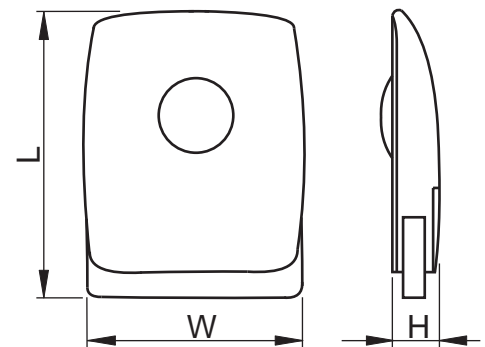
**LED floodlights, RSMDB series**

100-240 V AC	50/60 Hz	[h] 50.000		$\geq 75$	ON-OFF $> 30.000$			SMD LED			Ta -20...+50°C	[m] 1	<b>IP 65</b>
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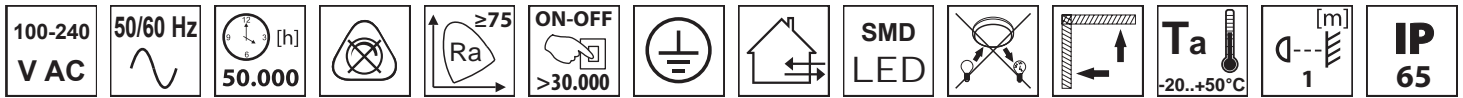
TRACON		LED	[lm]	Tc [K]	L (mm)	W (mm)	H (mm)	[°]	Ei
<b>RSMDB10W</b>	10 W	–	850 lm	4.500 K	198	160	45	120°	A
<b>RSMDB20W</b>	20 W	–	1.700 lm	4.500 K	198	160	45	120°	A
<b>RSMDB30W</b>	30 W	70 W	2.550 lm	4.500 K	320	220	61	120°	A
<b>RSMDB50W</b>	50 W	120 W	4.250 lm	4.500 K	320	220	61	120°	A
<b>RSMDB80W</b>	80 W	200 W	6.800 lm	4.500 K	357	320	68	120°	A
<b>RSMDB100W</b>	100 W	250 W	8.500 lm	4.500 K	357	320	68	120°	A
<b>RSMDB120W</b>	120 W	300 W	10.200 lm	4.500 K	450	360	76	120°	A
<b>RSMDB150W</b>	150 W	400 W	12.750 lm	4.500 K	450	360	76	120°	A



**5 YEARS  
WARRANTY**



**LED floodlights, R-SMDH series**



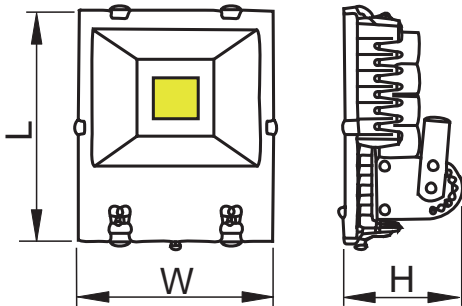
TRACON		LED	[lm]	Tc [K]	<b>L</b> (mm)	<b>W</b> (mm)	<b>H</b> (mm)	[°]	
<b>R-SMDH-100W</b>	100 W	200 W	8.500 lm	4.500 K	341	250	116	120°	A
<b>R-SMDH-120W</b>	120 W	250 W	10.200 lm	4.500 K	375	310	187	120°	A
<b>R-SMDH-150W</b>	150 W	400 W	12.800 lm	4.500 K	375	310	187	120°	A
<b>R-SMDH-200W</b>	200 W	500 W	17.000 lm	4.500 K	400	340	187	120°	A



**R-SMDH-100W  
R-SMDH-120W  
R-SMDH-150W**

**R-SMDH-200W**

**5 YEARS  
WARRANTY**



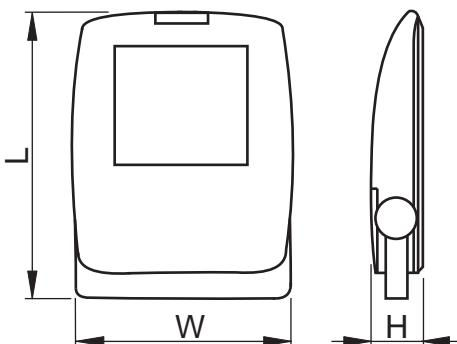
**LED floodlights, R-SMDP series**



TRACON		LED	[lm]	Tc [K]	<b>L</b> (mm)	<b>W</b> (mm)	<b>H</b> (mm)	[°]	
<b>R-SMDP-50W</b>	50 W	100 W	4.000 lm	4.500 K	323	242	79	120°	A
<b>R-SMDP-80W</b>	80 W	150 W	6.400 lm	4.500 K	323	242	79	120°	A
<b>R-SMDP-100W</b>	100 W	200 W	8.000 lm	4.500 K	461	381	129	120°	A
<b>R-SMDP-200W</b>	200 W	500 W	16.000 lm	4.500 K	630	470	165	120°	A



**5 YEARS  
WARRANTY**

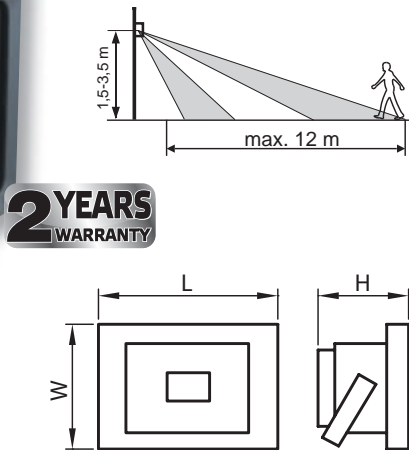




**SMD LED floodlights**

100-240 V AC 50/60 Hz 25.000 [h] **IP 65** **SMD LED** 0,5 [m] 180° 3-2.000 lux 10s-7min Ta -20..+50°C

TRACON							L x W x H (mm)	
4500 K	4500 K	2700 K	[W]	[W]	[lm]	[°]		
<b>R-SMD-10W</b>	<b>R-SMDM-10W</b>	<b>R-SMD-10WW</b>	10 W	70 W	700 lm	120°	115 x 90 x 86	A
<b>R-SMD-20W</b>	<b>R-SMDM-20W</b>	<b>R-SMD-20WW</b>	20 W	150 W	1.400 lm	120°	183 x 142 x 102	A
<b>R-SMD-30W</b>	<b>R-SMDM-30W</b>	<b>R-SMD-30WW</b>	30 W	250 W	2.100 lm	120°	227 x 188 x 128	A
<b>R-SMD-50W</b>	<b>R-SMDM-50W</b>	<b>R-SMD-50WW</b>	50 W	400 W	3.500 lm	120°	288 x 236 x 146	A



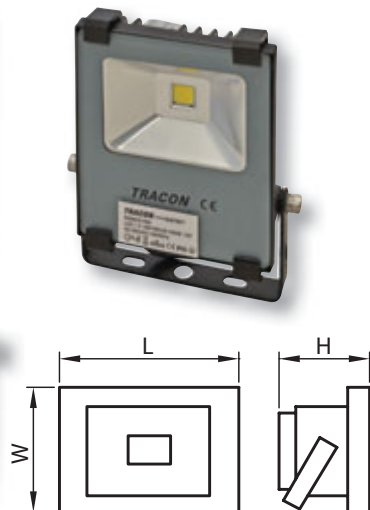
**2 YEARS WARRANTY**



**LED floodlight, RSMDS series**

100-240 V AC 50/60 Hz 50.000 [h] 1 [m]  $\geq 75$  **SMD LED** **IP 65** 30 cm

TRACON						L x W x H (mm)	
	[W]	[W]	[lm]	[K]	[°]		
<b>RSMDS10W</b>	10 W	70 W	800 lm	4.500 K	120°	165 x 143 x 52	A
<b>RSMDS20W</b>	20 W	150 W	1.600 lm	4.500 K	120°	211 x 190 x 62	A
<b>RSMDS30W</b>	30 W	250 W	2.400 lm	4.500 K	120°	238 x 205 x 68	A
<b>RSMDS50W</b>	50 W	400 W	4.000 lm	4.500 K	120°	282 x 245 x 72	A



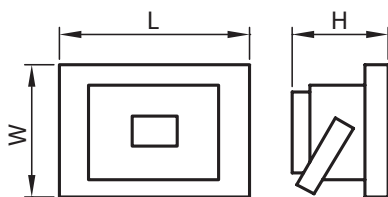
**2 YEARS WARRANTY**



**LED floodlight, RSMDR series**

100-240 V AC	50/60 Hz	25.000 [h]				ON-OFF >30.000				3x1,5mm <sup>2</sup> 30 cm	SMD LED	<b>IP 65</b>
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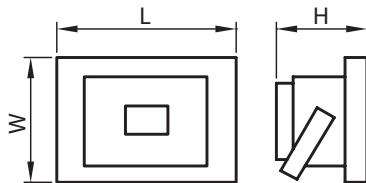
TRACON				Tc [K]		L x W x H (mm)	
<b>RSMDR10W</b>	10 W	70 W	700 lm	4.500 K	120°	115 x 85 x 35	A
<b>RSMDR20W</b>	20 W	150 W	1.400 lm	4.500 K	120°	180 x 140 x 45	A
<b>RSMDR30W</b>	30 W	250 W	2.100 lm	4.500 K	120°	225 x 185 x 50	A
<b>RSMDR50W</b>	50 W	400 W	3.500 lm	4.500 K	120°	285 x 230 x 60	A
<b>RSMDR80W</b>	80 W	600 W	5.600 lm	4.500 K	120°	335 x 290 x 85	A



**LED floodlights, RCOB series**

185-265 V AC	50/60 Hz	25.000 [h]				<b>IP 65</b>	SMD LED			Ta -20..+50°C
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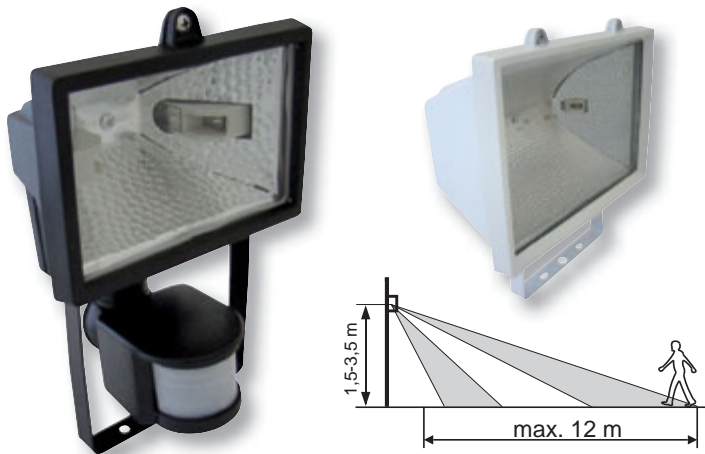
TRACON				Tc [K]	LxWxH (mm)	
<b>RCOB10W</b>	10 W	70 W	700 lm	4.000 K	185 x 167 x 45	A
<b>RCOB30W</b>	30 W	250 W	2.100 lm	4.000 K	215 x 206 x 52	A
<b>RCOB50W</b>	50 W	400 W	3.500 lm	4.000 K	240 x 232 x 57	A





**Floodlights**

TRACON					
<b>R-150W</b>	<b>RM-150W</b>	150 W		78 mm	A++, A+, A, C, D, E
<b>R-150WFEH</b>	<b>RM-150WFEH</b>	150 W		78 mm	
<b>R-500W</b>	<b>RM-500W</b>	500 W		118 mm	
<b>R-500WFEH</b>	<b>RM-500WFEH</b>	500 W		118 mm	
<b>R-1000W</b>	-	1000 W		189 mm	
<b>R-1000WFEH</b>	-	1000 W		189 mm	



**Service floodlights**

TRACON		h (mm)			
<b>RH-150</b>	150 W	-	78 mm	1.2 m	A++, A+, A, C, D, E
<b>RH-500</b>	500 W	-	118 mm	1.2 m	
<b>RA-150</b>	150 W	650-1500	78 mm	2.5 m	
<b>RA-500</b>	500 W	650-1500	118 mm	3 m	
<b>RA-2500</b>	2x500 W	650-1500	118 mm	3 m	
<b>RALV</b>	-	650-1500	-	-	-



**Halogen line bulbs ("C" energy class)**

**E/72**

### Metal halide floodlights without operating elements



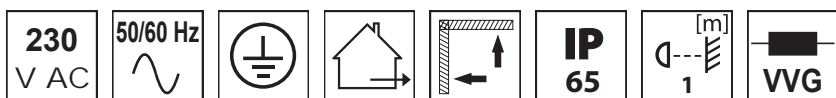
TRACON			L (mm)	W (mm)	H (mm)		
R-FH-R7S-150A	R7XS	150 W	435	280	130		A
R-FH-E27-150A	E27	150 W	435	280	130		A
R-FH-E40-400A	E40	400 W	425	433	147		A
R-FH-R7S-150SZ	R7XS	150 W	435	280	130		A
R-FH-E27-150SZ	E27	150 W	435	280	130		A
R-FH-E40-400SZ	E40	400 W	425	433	147		A

A: asymmetrical

SZ: symmetrical



### Metal halide floodlights with operating elements



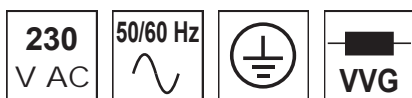
TRACON			L (mm)	W (mm)	H (mm)		
R-FHSZ-R7S-70A	R7XS	70 W	435	280	130		A
R-FHSZ-R7S-150A	R7XS	150 W	435	280	130		A
R-FHSZ-E40-250A	E40	250 W	425	433	147		A
R-FHSZ-E40-400A	E40	400 W	425	433	147		A
R-FHSZ-R7S-70SZ	R7XS	70 W	435	280	130		A
R-FHSZ-R7S-150SZ	R7XS	150 W	435	280	130		A
R-FHSZ-E40-250SZ	E40	250 W	425	433	147		A
R-FHSZ-E40-400SZ	E40	400 W	425	433	147		A

A: asymmetrical

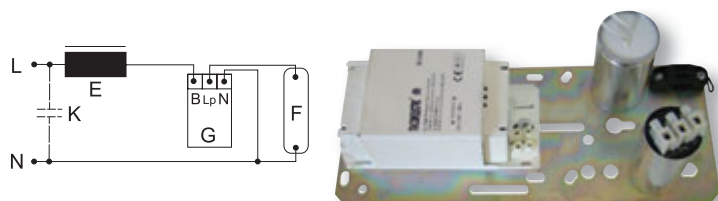
SZ: symmetrical



### Auxiliary equipment for metal halogen floodlights



TRACON		In
FHE-70	70 W	1 A
FHE-150	150 W	1,8 A
FHE-250	250 W	2,4 A
FHE-400	400 W	3,25 A



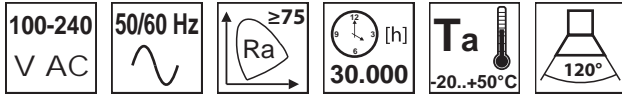
### Metal halide lamps



E/72



**Portable / mounting LED floodlights**



TRACON					IP..			
<b>RSMDAE10W</b>	10 W	70 W	600 lm	4.500 K	IP 54	4 h	3,7 V/4 Ah	A
<b>RSMDAE20W</b>	20 W	150 W	1.200 lm	4.500 K	IP 54	4 h	8,4 V/10 Ah	A
<b>RSMDACC10W</b>	10 W	70 W	700 lm	4.500 K	IP 54	5 h	7.2 V/2.2 Ah	A
<b>RSMDACC20W</b>	20 W	150 W	1.400 lm	4.500 K	IP 54	5 h	14,4 V/4.4 Ah	A
<b>RSMDSZ20W</b>	20 W	150 W	1.400 lm	4.500 K	IP 65	–	–	A
<b>RSMDA220W</b>	2 × 20 W	2 × 150 W	2 × 1.400 lm	4.500 K	IP 65	–	–	A



**Service lamp**



TRACON			
<b>STL-02</b>	–	8 W	A
<b>STL-03</b>	E27	60 W	A++, A+, A, B, C, D, E
<b>STL-04</b>	E27	60 W	B, C, D, E



**STL-02**  
Service lamp

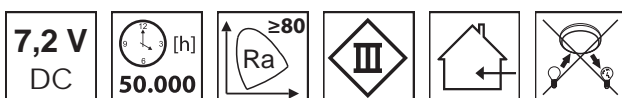


**STL-03** Service lamp  
with metal protector  
grill



**STL-04** Service lamp  
with plastic  
protector grid

**LED service lamp**



TRACON					
<b>STL-05</b>	5.4 W	× 61	4 h	7,2 V 600 mAh Ni-MH	A



**LED hand lamp**

SMD LED IP 44 USB

Pictograms **E/0**

TRACON	[W]	[lm]	Tc [K]	[h]	IN	V	OUT
<b>STLM4W</b>	3/1 W	300/100 lm	6.500 K	3 h	✓	3.7 V/2.2 Ah Li-Ion	-
<b>STLUSB2W</b>	2 W	200 lm	6.500 K	3 h	✓	3,7 V, 1800 m Ah Li-Ion	✓
<b>STLE2W</b>	2/0,5 W	200/100 lm	6.500 K	4 h	-	3×1,5 V AAA	-



**CHANGE TO LED!**

3 W - 20 W

With E14 and E27 cap

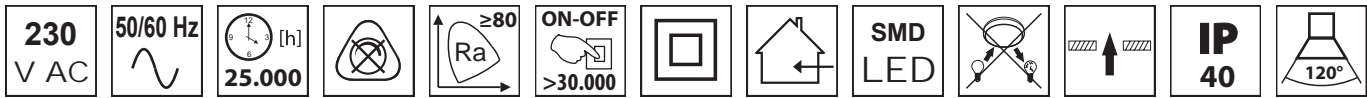
With warm and natural white color temperature

**TRACON**  
ELECTRIC®



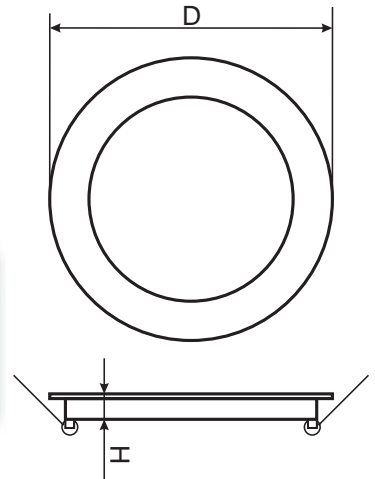


**Round shape LED downlights**

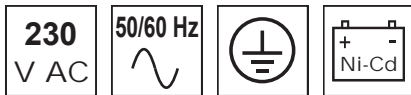


TRACON						D x H	
<b>LED-DL-6NW</b>	6 W	1 x 13 W	390 lm	4.000 K	110 mm	120 x 20 mm	A
<b>LED-DL-12WW</b>	12 W	1 x 26 W	850 lm	2.700 K	160 mm	174 x 20 mm	A
<b>LED-DL-12NW</b>	12 W	1 x 26 W	800 lm	4.000 K	160 mm	174 x 20 mm	A
<b>LED-DL-18WW</b>	18 W	2 x 26 W	1.300 lm	2.700 K	205 mm	225 x 20 mm	A
<b>LED-DL-18NW</b>	18 W	2 x 26 W	1.300 lm	4.000 K	205 mm	225 x 20 mm	A
<b>LED-DLE-18NW</b>	18 W	2 x 26 W	1.300 lm	4.000 K	205 mm	225 x 20 mm	A

The luminaires are containing the driver unit and the LED light sources so they can use directly from utility network.



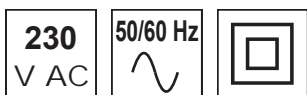
**Emergency conversion kit for LED panels**



TRACON				
<b>INV-DL-15</b>	0.5 h	19.2 V	1.500 mAh	220 x 105 x 55



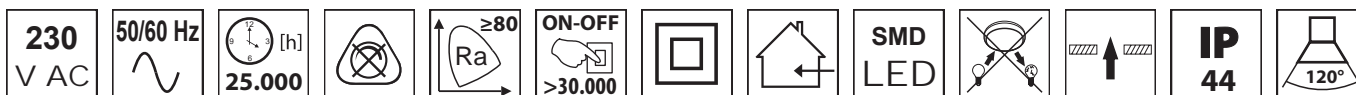
**Dimmable driver for LED-DL.. panels**



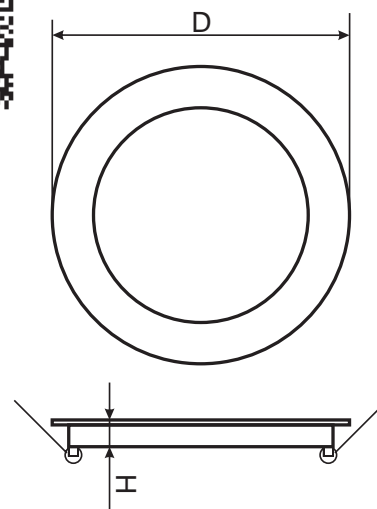
TRACON					
<b>DLDD12W</b>	230 VAC; 0,14 A	30-40 VDC; 300 mA	>85 %	Triac 3-100%	115 x 43 x 25
<b>DLDD18W</b>	230 VAC; 0,21 A	30-40 VDC; 450 mA	>85 %	Triac 3-100%	115 x 43 x 25



**Recessed mount round LED downlights with increased protection level**



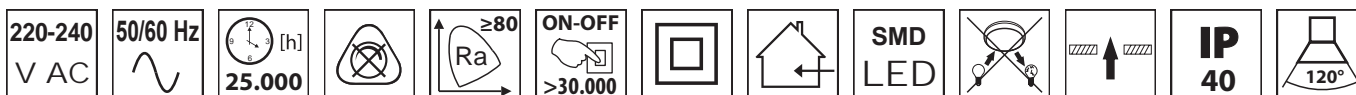
TRACON						D × H	
<b>LED-DLV-6NW</b>	6 W	1 × 13 W	390 lm	4.000 K	105 mm	Ø115 × 32 mm	A
<b>LED-DLV-12NW</b>	12 W	1 × 26 W	840 lm	4.000 K	155 mm	Ø170 × 32 mm	A
<b>LED-DLV-18NW</b>	18 W	2 × 26 W	1.450 lm	4.000 K	205 mm	Ø220 × 32 mm	A



**2 YEARS WARRANTY**

The luminaires are containing the driver unit and the LED light sources so they can use directly from utility network.

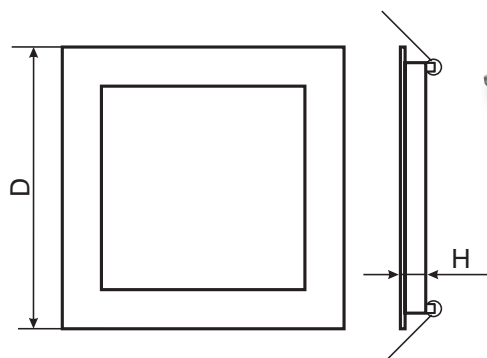
**Square shape LED downlights**



TRACON						D × H	
<b>LED-DLN-6NW</b>	6 W	1 × 13 W	400 lm	4.000 K	110 × 110 mm	120 × 120 × 20 mm	A
<b>LED-DLN-12NW</b>	12 W	1 × 26 W	850 lm	4.000 K	160 × 160 mm	172 × 172 × 20 mm	A
<b>LED-DLN-18NW</b>	18 W	2 × 26 W	1.300 lm	4.000 K	215 × 215 mm	225 × 225 × 20 mm	A



**2 YEARS WARRANTY**



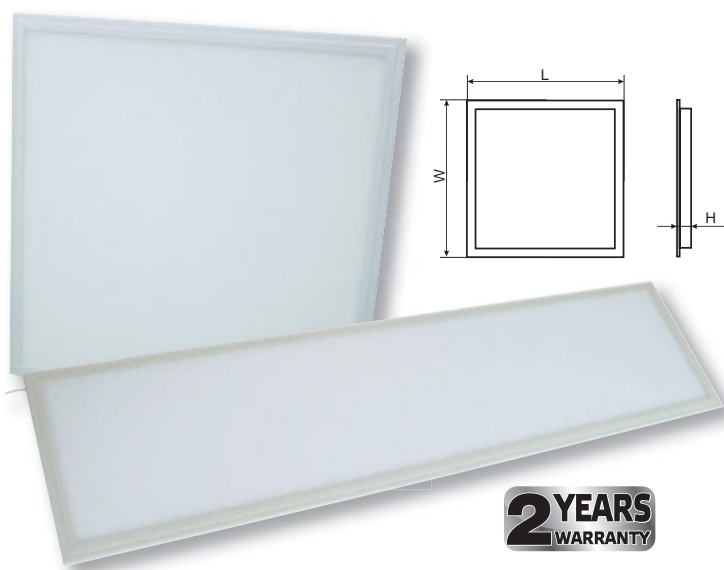
The luminaires are containing the driver unit and the LED light sources so they can use directly from utility network.



**LED panels**



TRACON					L x W x H	
<b>LP303019NW</b>	19 W	2x18 W	1.400 lm	4.000 K	296 x 296 x 11 mm	A
<b>LP606040WW</b>	40 W	4 x 18 W	2.900 lm	2.700 K	596 x 596 x 11 mm	A
<b>LP606040NW</b>	40 W	4 x 18 W	2.900 lm	4.000 K	596 x 596 x 11 mm	A
<b>LPE606050NW</b>	48 W	4 x 18 W	3.300 lm	4.000 K	596 x 596 x 11 mm	A
<b>LP3012040WW</b>	40 W	2 x 36 W	2.900 lm	2.700 K	1.196 x 296 x 11 mm	A
<b>LP3012040NW</b>	40 W	2 x 36 W	2.900 lm	4.000 K	1.196 x 296 x 11 mm	A



**2 YEARS**  
WARRANTY

These rectangular LED panels to be installed in false ceilings are recommended for lighting in public rooms, such as bureaus or workshops.

The panels sized 600 x 600 mm have the same dimensions as the raster meant for 4 x 18 W fluorescent lamp bodies, whereas the panels sized 300 x 1200 mm are equal in size to the 2 x 36 W fluorescent lamp bodies, primarily meant for lighting in corridors.

Completed with **INV-DL-15** units, the panels can optionally be used as emergency lighting.

For projects, we optionally offer accessories for instalment on ceilings or hanging from ceilings, as well as items with other technical parameters (power, colour temperature, frame colour, dimensions) and light intensity regulation (dimming).


Frame and back wall: aluminium  
 Front: polycarbonate  
 Colour of the panel frame: white



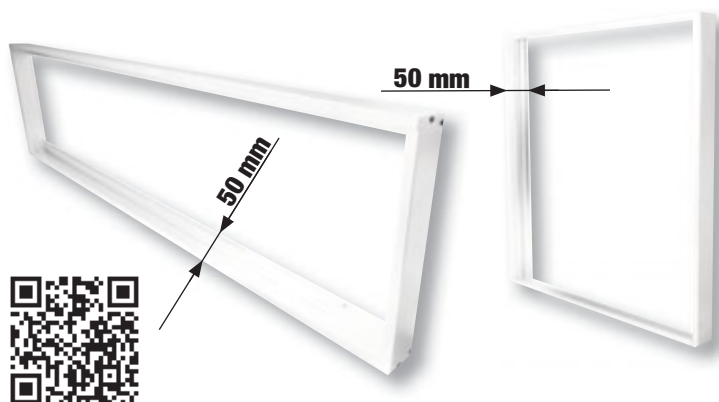
The luminaires are containing the flicker-free driver unit and the LED light sources as well so they can use directly from utility network.



## Mounting frame for LED panels

TRACON		
LP3030K	LP303019NW	
LP6060K	LP606040NW, LP606040WW, LPE606050NW	
LP30120K	LP3012040NW, LP3012040WW	

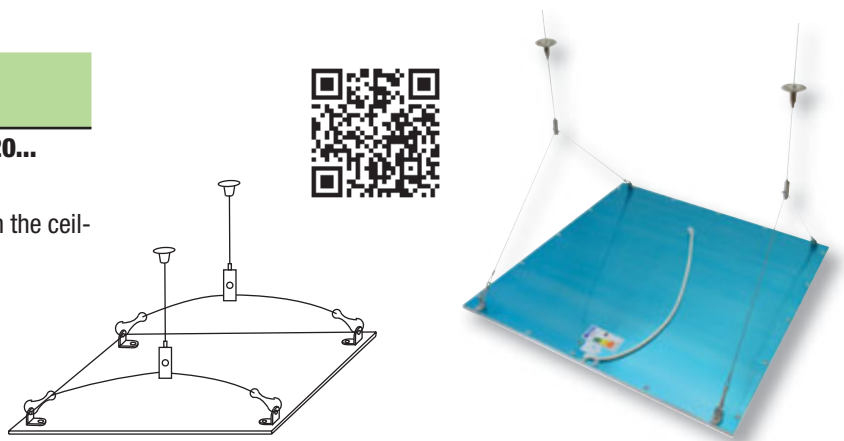
With optional mounting frame the LED panels can be install on surfaces. Between panel and ceiling drivers can be placed up to height of 32 mm. Material of the frame: aluminum, color white.






## Hanging kit for LED panels

TRACON		
LP606040F	LP6060..., LPE30120...	

1,5 meters long.  
At high ceilings the panels can be lifted down up to 1,5 m from the ceiling so the false ceiling has not be constructed.





## Dimmable driver for LED panels

TRACON			$\eta\%$	
LPCC40WD	180-240 VAC; 0,23 A	28-42 VDC; 950 mA	> 85 %	Triac 3 – 100 %

With using dimmable drivers the light of LED panels can be controlled with proper (Triac) outer dimmers.



## Mounting clips for LED panels to install as recessed light

TRACON			
LPC	$\times 4$	$\times 6$	



### Consultancy about lighting installations



We can offer a wide range of lighting products for new installations or for modernization of old lighting systems.

To select the proper product for your tasks please call our colleagues, we can recommend you the best solution for the actual project.

**TLC lamps and accessories**



12 V AC/DC	50/60 Hz	III	House icon	IP 20	2x0,5mm 12 cm
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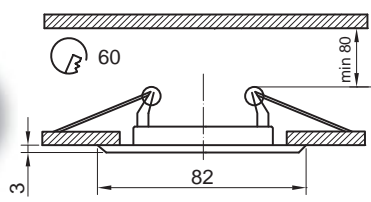

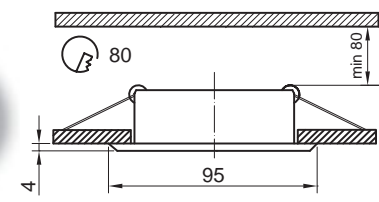
G5.3	max. 50 W
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**Note:** to install light sources with GU10 cap (230 V) a special adaptors have to be used with code TAGU-10, see on page E/75!

TRACON FIX 30°			Ei
TLC-2C	TLC-6C		A++, A+, A, B, C, D, E
TLC-2MC	TLC-6MC		A++, A+, A, B, C, D, E
TLC-2MG	TLC-6MG		A++, A+, A, B, C, D, E
TLC-2MR	TLC-6MR		A++, A+, A, B, C, D, E
TLC-2W	TLC-6W		A++, A+, A, B, C, D, E

TLC-2C	TLC-2MC	TLC-2MG	TLC-2W	TLC-6C	TLC-6W	TLC-6MG	TLC-6MR
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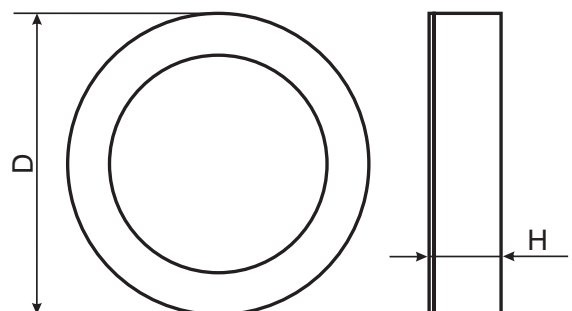
**Recessed LED downlight, adjustable**

230 V AC	50/60 Hz	IP 40	50.000 h	ON-OFF >100.000	SMD LED	Ra ≥80
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TRACON	Light bulb icon	LED icon	Light bulb icon [lm]	Tc [K]	[°]	DxH	Ei
DLC0BA35W	35 W	70 W	3.500 lm	4.000 K	60	165 mm	180 x 100 mm A

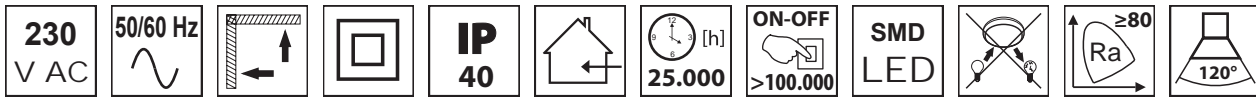


The luminaires are containing the driver unit and the LED light sources so they can use directly from utility network.





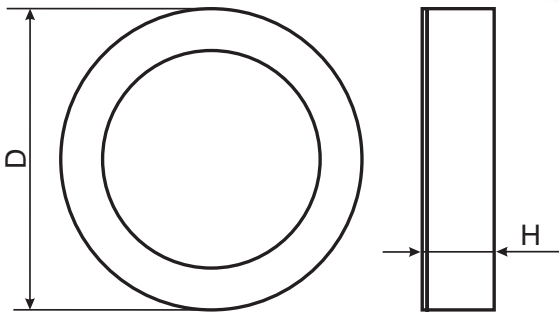
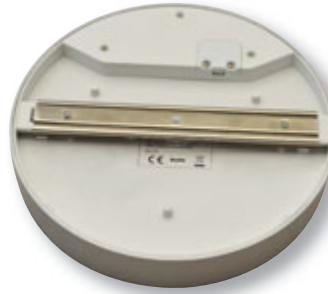
**LED wall lights, MFDS series**



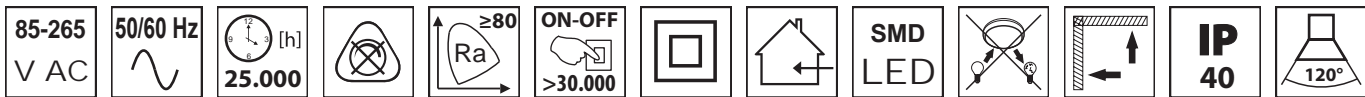
TRACON						
<b>MFDS8W</b>	8 W	75 W	600 lm	3.000 K	102 × 28 mm	A
<b>MFDS16W</b>	16 W	150 W	1.200 lm	3.000 K	205 × 34 mm	A



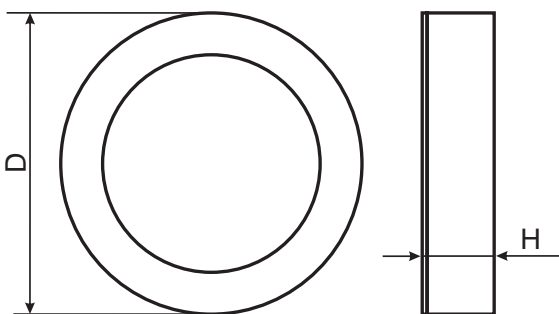
The luminaries are containing the driver unit and the LED light sources so they can use directly from utility network.



**Surface mount round LED downlights**



TRACON							
<b>LED-DLF-6NW</b>	6 W	1 × 13 W	330 lm	4.000 K	-	120 × 37 mm	A
<b>LED-DLF-12NW</b>	12 W	1 × 26 W	800 lm	4.000 K	-	175 × 37 mm	A
<b>LED-DLF-18NW</b>	18 W	2 × 26 W	1.200 lm	4.000 K	-	220 × 37 mm	A
<b>LED-DLF-28NW</b>	28 W	3 × 26 W	1.800 lm	4.000 K	-	300 × 37 mm	A
<b>LED-DLF-18WW</b>	18 W	2 × 26 W	1.200 lm	2.700 K	-	220 × 37 mm	A
<b>LED-DLF-28WW</b>	28 W	3 × 26 W	1.800 lm	2.700 K	-	300 × 37 mm	A



The luminaries are containing the driver unit and the LED light sources so they can use directly from utility network.



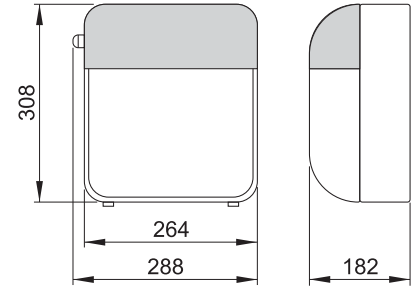
**LED wall lights, LFK series**

100-240 V AC   50/60 Hz   Ta -20..+50°C   ←   ⚡   3x1,5 mm<sup>2</sup> 30 cm   **IP 65**   ⚡   ⌚ [h] 30.000   Ra ≥80   ON-OFF >100.000   **SMD LED**   ⚡

TRACON				Tc [K]	LxWxH	
<b>LFK30W</b>	30 W	150 W	2.100 lm	4.500 K	308x288x182 mm	A
<b>LFK40W</b>	40 W	200 W	3.000 lm	4.500 K	308x288x182 mm	A



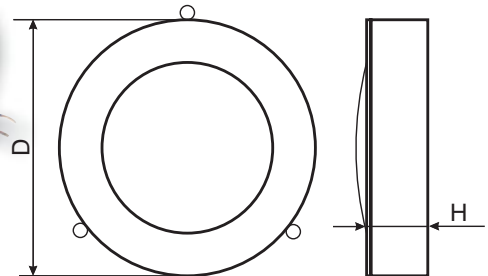
RELEVANT STANDARD  
**EN 60598**



**LED wall lights, LFM series**

100-240 V AC   50/60 Hz   ⌚ [h] 30.000   ⚡   Ra ≥80   ON-OFF >100.000   ⚡   **SMD LED**   ⚡   **IP 65**   Ta -20..+50°C   3x1,5 mm<sup>2</sup> 30 cm

TRACON				Tc [K]	D x H	
<b>LFM40NW</b>	40 W	200 W	3.000 lm	4.000 K	276x86 mm	A
<b>LFM60NW</b>	60 W	300 W	4.200 lm	4.000 K	320x89 mm	A



**LED wall lights, LBL series**

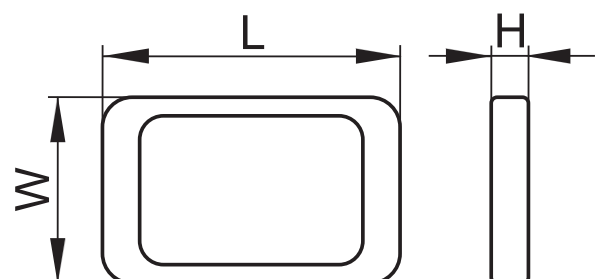
100-240 V AC   50/60 Hz   Ta -25..+50°C   ←   ⚡   [mm<sup>2</sup>] 0,75-2,5   **IP 54**   ⚡

**Pictograms**   **E/0**

TRACON				Tc [K]	LxWxH	
<b>LBL10W</b>	10 W	75 W	700 lm	4.000 K	220x130x36 mm	A
<b>LBL20W</b>	20 W	150 W	1.400 lm	4.000 K	220x130x36 mm	A



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**EN 60598**



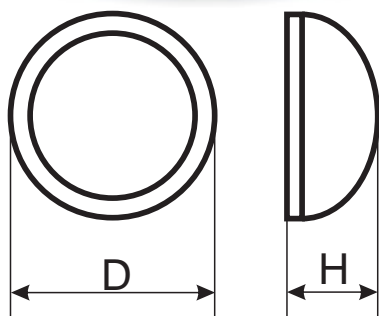
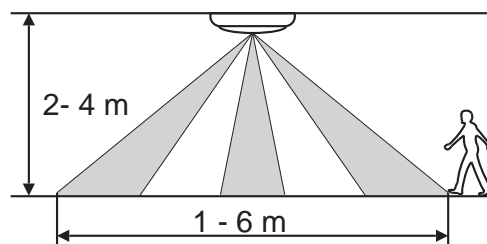
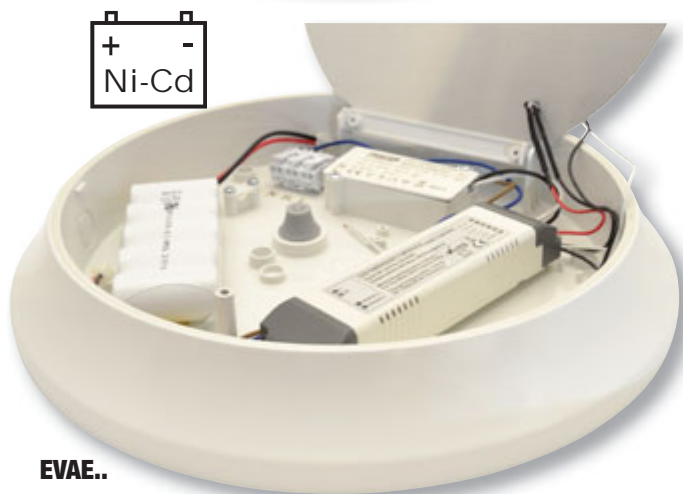
**LED wall lamp, EVA series**



TRACON								
<b>EVA14NW</b>	14 W		72×SMD2835	1.000 lm	4.000 K	Ø305×84 mm	-	A
<b>EVA21NW</b>	21 W	BASIC	108×SMD2835	1.600 lm	4.000 K	Ø400×96 mm	-	A
<b>EVA28NW</b>	28 W		144×SMD2835	2.100 lm	4.000 K	Ø400×96 mm	-	A
<b>EVAS14NW</b>	14 W		72×SMD2835	1.000 lm	4.000 K	Ø305×84 mm	-	A
<b>EVAS21NW</b>	21 W		108×SMD2835	1.600 lm	4.000 K	Ø400×96 mm	-	A
<b>EVAS28NW</b>	28 W		144×SMD2835	2.100 lm	4.000 K	Ø400×96 mm	-	A
<b>EVAE14NW</b>	14 W / 2 W		72×SMD2835	1.000/140 lm	4.000 K	Ø305×84 mm	1 h	A
<b>EVAE21NW</b>	21 W / 2 W		108×SMD2835	1.600/140 lm	4.000 K	Ø400×96 mm	1 h	A
<b>EVAE28NW</b>	28 W / 2 W		144×SMD2835	2.100/140 lm	4.000 K	Ø400×96 mm	1 h	A



**2 YEARS WARRANTY**



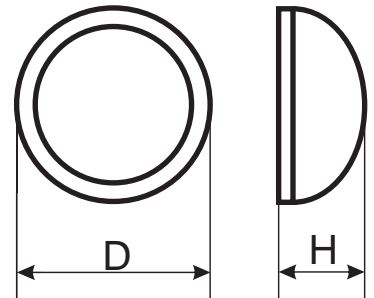


**LED wall lamp, MF series**

230 V AC 50/60 Hz SMD LED

Pictograms **E/0**

TRACON					D × H (mm)	IP..	Tc [K]		
MF04	<input type="checkbox"/>	16 W	150 W	1.285 lm	96×SMD5028	∅ 296×75	IP 54	4.000 K	A
MF05	<input type="checkbox"/>	10 W	100 W	800 lm	24×SMD5028	∅ 275×117	IP 20	4.000 K	A



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**EN 60598**



**LED wall lamp, LFEK series**

230 V AC 50/60 Hz SMD LED

Pictograms **E/0**

TRACON					D × H (mm)	IP..	Tc [K]		
LFEK6NW	<input type="checkbox"/>	6 W	60 W	420 lm	24×SMD5028	∅ 170×45	IP 54	4.000 K	A
LFEK12NW	<input type="checkbox"/>	12 W	100 W	840 lm	24×SMD5028	∅ 230×45	IP 54	4.000 K	A



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Wall-installed lamps with motion sensor

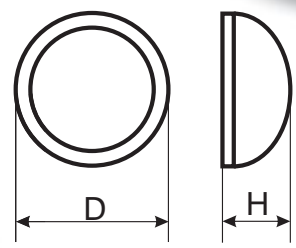
230 V AC
50/60 Hz



360°
3-2.000 lux
10s-12min
SMD LED

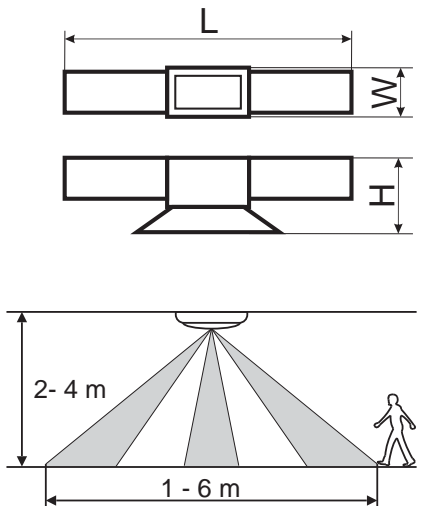

E/0

TRACON					L x W x H D x H (mm)	IP..		
MFM01	1 x E27	max. 1 x 25 W	-	-	∅ 270 x 103	IP 20	360°	A++, A+, A,
MFM03	2 x E14	max. 2 x 40 W	-	-	346x87x65	IP 44	180°	B, C, D, E
MFM02	-	16 W	1.285 lm	81xSMD5028	∅ 300x112	IP 44	360°	A
MFM04	-	16 W	1.285 lm	96xSMD5028	∅ 296x75	IP 54	360°	A

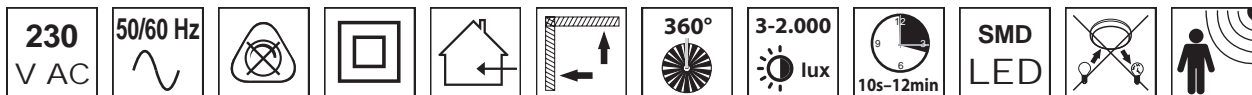


**TRACON ELECTRIC®**

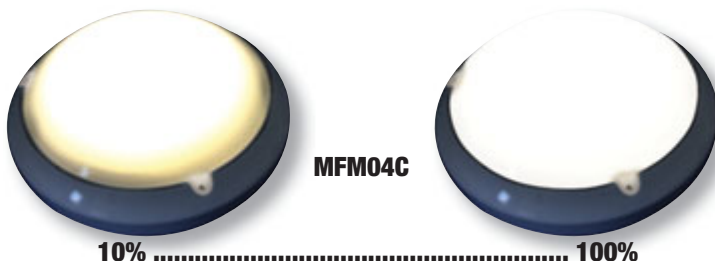
**CHANGE TO LED!**



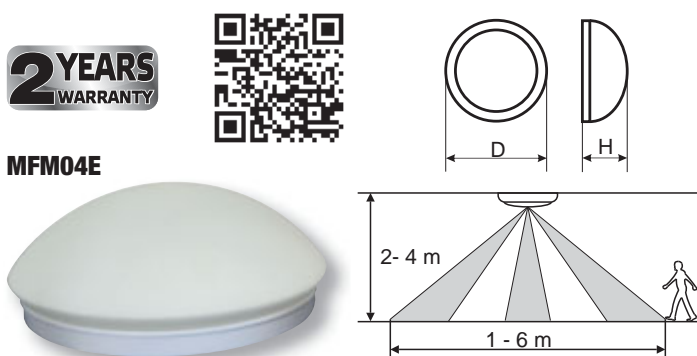
**Plastic wall LED luminaries with motion sensor and safety functions**



TRACON				D × H (mm)	IP..		
<b>MFM04C</b>	16 / 1,6 W	6 s...30 min.	96 × SMD5028	∅ 296 × 75	IP 54	360°	A
<b>MFM04E</b>	10 / 5 W	10 s...12 min.	56 × SMD5028	∅ 275 × 117	IP 20	360°	A



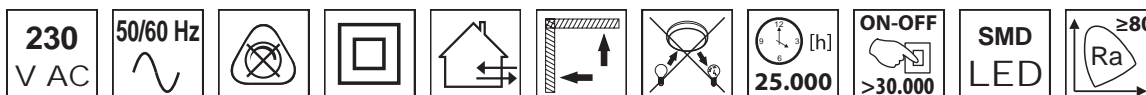
The **MFM04C** type is a wall luminaire with radar motion sensor which lights basically with 10 % lumen output and switches on 100 % lights while sensing motion. After pre-adjusted time delay the light is falling down to 10 % again until the next motion sensing. The advantages of this option are giving continuous and energy-saving light in rooms without natural light and it can give additional safety information about persons walking in the sensing area.



The **MFM04E** type having built-in battery and inverter so in case of power failure it can operate with 30 % of nominal lumen output for 120 minutes continuously. Because the sensor function is still working in this state if the luminaire is working in discontinuous operation the battery operated time can be still much longer than 120 minutes!

**RELEVANT STANDARD  
EN 60598**

**Protected wall luminaire, opaque cover, white frame**



TRACON					D × H (mm)	IP..		
<b>TLKVLED10NW</b>	12 W	75 W	960 lm	Clear	∅ 270 × 100	IP 54	120°	A
<b>TLKVLED24NW</b>	24 W	200 W	1.920 lm	Clear	∅ 360 × 100	IP 54	120°	A





**SCAN THE QR CODE!**

- Check our new products
- Be updated

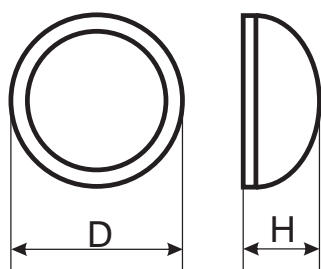
**Our assortment is expanding quickly and continuously! Our catalogue shows the assortment of January 2017. Be up to date by our web page!**



### Protected round shaped plastic wall luminaries



TRACON					D × H (mm)	IP..	
TLKV-2D-16	○	GR10q	16 W	Frosted	-	∅ 270 × 100	A
TLKV-2D-21	○	GR10q	21 W	Frosted	-	∅ 270 × 100	A
TLKV-2D-28	○	GR10q	28 W	Frosted	-	∅ 360 × 100	A
TLKV-2D-38	○	GR10q	38 W	Frosted	-	∅ 360 × 100	A
TLKVL-E27	○	E27	max. 60 W	Clear	-	∅ 270 × 100	A++, A+, A, B, C, D, E
TLKV-E27	○	E27	max. 60 W	Frosted	-	∅ 270 × 100	A++, A+, A, B, C, D, E



### Electronic ballast for 2D type fluorescent lamps



TRACON		L (mm)	W (mm)	H (mm)
TLKV-EE-16	16 W	82	41	27
TLKV-EE-21	21 W	82	41	27
TLKV-EE-28	28 W	150	41	30
TLKV-EE-38	38 W	150	41	30



**Replacement LED module for luminaires**

230 V AC	50/60 Hz		≥80	30.000 [h]	ON-OFF >30.000	SMD LED	Hg 0 mg	T <sub>up</sub> < 1s
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TRACON							D	
LLM9NW	9 W	75 W	630 lm	4.000 K	120°	TLKV-16, TLKV-21	Ø 125 mm	A
LLM18NW	18 W	150 W	1.260 lm	4.000 K	120°	TLKV-28, TLKV-38	Ø 180 mm	A



**Wall and ceiling lamps with glass cover (UFO lamps)**

230 V AC	50/60 Hz				[mm <sup>2</sup> ] 3 x 2,5
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TRACON			D (mm)		
UFO-1-B					
UFO-1-F	1 x 60 W	1 x E27			
UFO-1-K					
UFO-1-Z					
UFO-2-B			Ø 300 mm	A++, A+, A, B, C, D, E	
UFO-2-F	2 x 60 W	2 x E27			
UFO-2-K					
UFO-2-Z					
UFO-F-B					
UFO-F-F	1 x 60 W	1 x E27			
UFO-F-K					
UFO-F-Z					

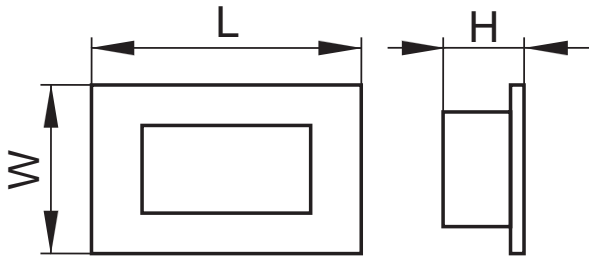


**Recessed mount LED wall lights, LVS series**

100-240 V AC 50/60 Hz Ta -20...+50°C 2x1 mm<sup>2</sup> 15 cm IP 54

Pictograms **E/0**

TRACON			Tc [K]	LxWxH	
LVS01	1,5 W		3.500 K	110x44x45 mm	A
LVS02	1,5 W		3.500 K	110x44x45 mm	A



**2 YEARS WARRANTY**



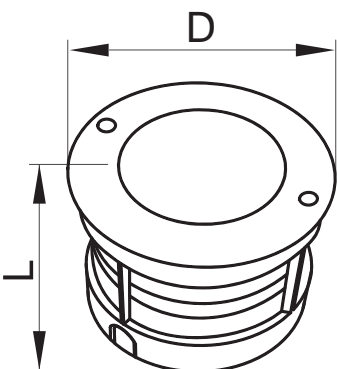
RELEVANT STANDARD  
**EN 60598**

**LED ground lights**

230 V AC 50/60 Hz Ta -20...+50°C 3x1 mm<sup>2</sup> 15 cm IP 65

Pictograms **E/0**

TRACON		[lm]	Tc [K]	D x L	
LGL3W	3 W	210 lm	4.500 K	100x100 mm	A
LGL7W	7 W	490 lm	4.500 K	160x110 mm	A
LGL12W	12 W	840 lm	4.500 K	210x115 mm	A
LGL18W	18 W	1260 lm	4.500 K	260x125 mm	A



**2 YEARS WARRANTY**



**Protected LED lamp**



TRACON					<b>L x W x H</b> <b>D x H</b>	
<b>LHL08W</b>	8 W	60 W	640 lm	4.000 K	170 × 105 × 70 mm	A
<b>LHLK8W</b>	8 W	60 W	640 lm	4.000 K	168 × 65 mm	A
<b>LHLK12W</b>	12 W	75 W	960 lm	4.000 K	168 × 65 mm	A
<b>LHLK18W</b>	18 W	100 W	1.550 lm	4.000 K	168 × 65 mm	A



**LED wall lights, LH.. series**



TRACON					<b>D x H</b>	
<b>LH8NW</b>	8 W	75 W	540 lm	4.000 K	170 × 73 mm	A
<b>LH15NW</b>	15 W	100 W	1.050 lm	4.000 K	265 × 11 mm	A
<b>LHR8NW</b>	8 W	75 W	540 lm	4.000 K	170 × 73 mm	A
<b>LHR15NW</b>	15 W	100 W	1.050 lm	4.000 K	265 × 11 mm	A



**Protected LED lamp**

TRACON						
<b>LHLM06NW</b>	6 W	60 W	420 lm	4.000 K	165 × 116 × 70 mm	A
<b>LHLM012NW</b>	12 W	100 W	840 lm	4.000 K	215 × 142 × 70 mm	A
<b>LHLMK6NW</b>	6 W	60 W	420 lm	4.000 K	150 × 70 mm	A
<b>LHLMK12NW</b>	12 W	100 W	840 lm	4.000 K	188 × 80 mm	A
<b>LHLMOS8NW*</b>	8 W	60 W	560 lm	4.000 K	168 × 100 × 58 mm	A
<b>LHLMOS15NW*</b>	15 W	100 W	1050 lm	4.000 K	221 × 131 × 68 mm	A
<b>LHLMKS8NW*</b>	8 W	60 W	560 lm	4.000 K	140 × 58 mm	A
<b>LHLMKS15NW*</b>	15 W	100 W	1050 lm	4.000 K	180 × 66 mm	A

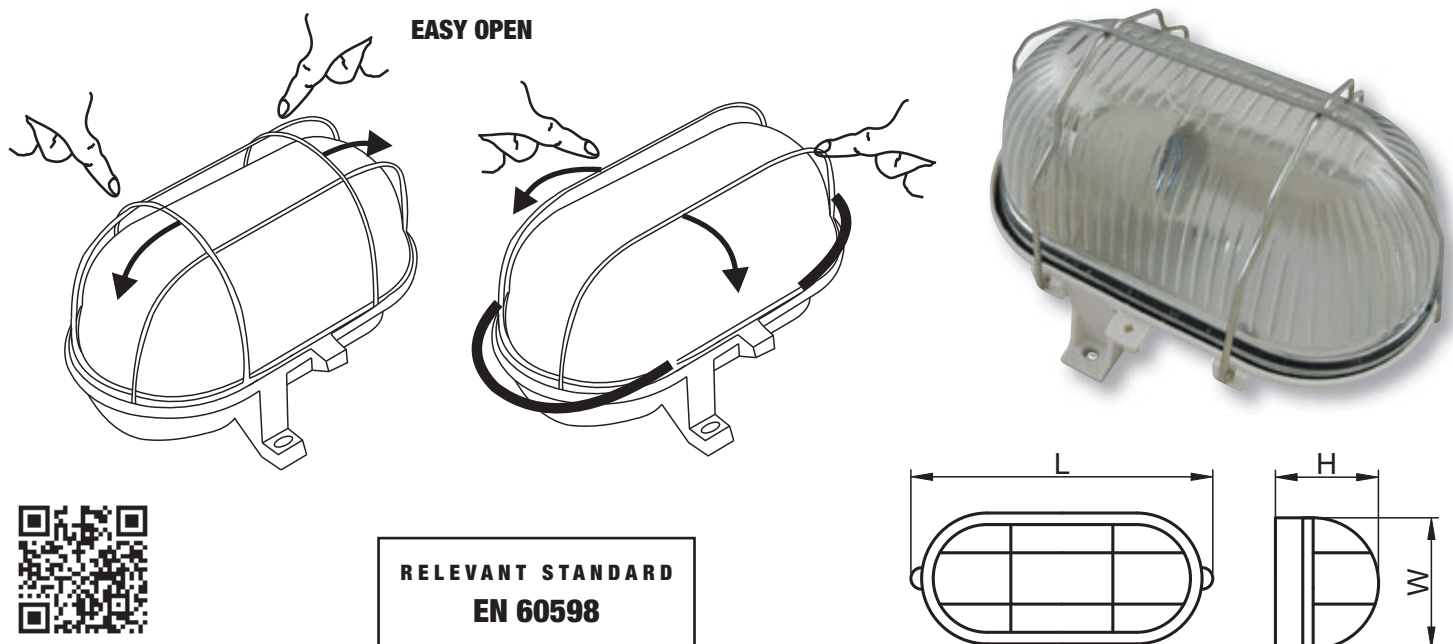
\* The color of frame is grey



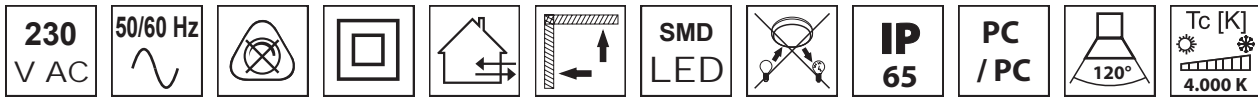
**“Ship-light” – wand-installed lamps to be opened by hand**

**Pictograms**      **E/0**

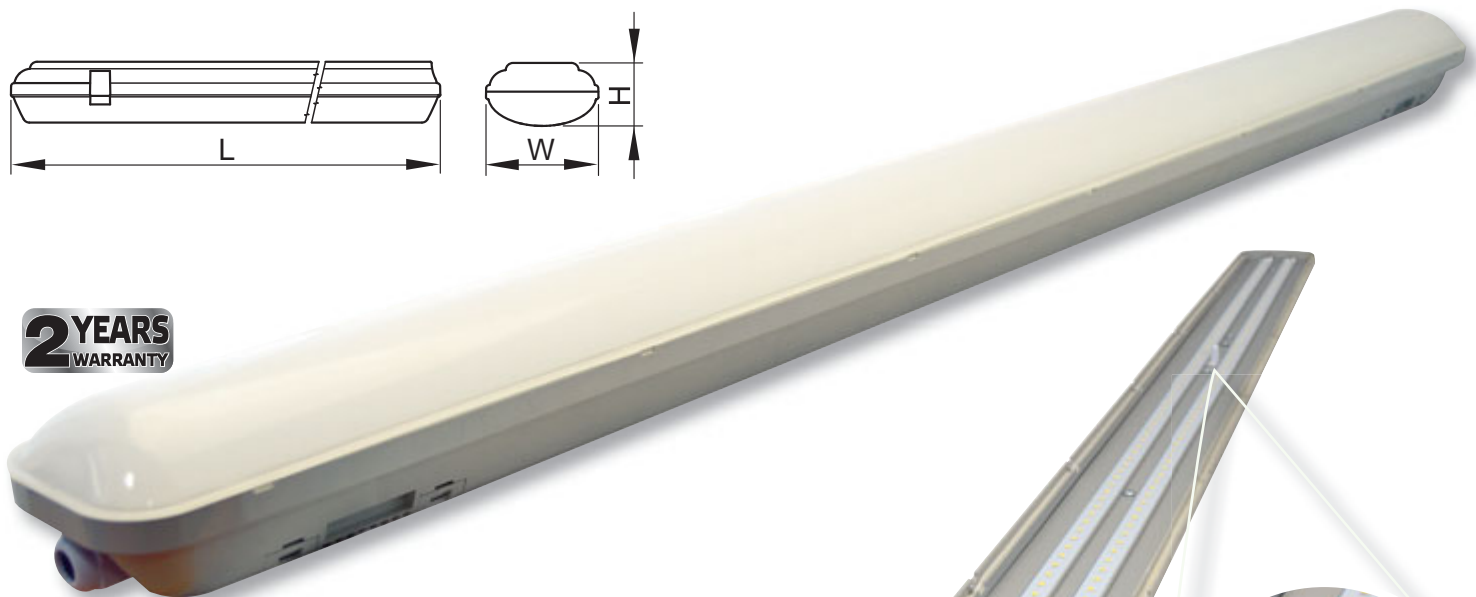
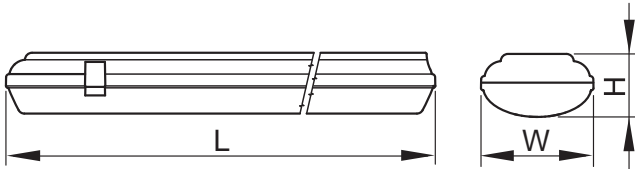
TRACON				
<b>TLH-08S</b>	E27	max. 60 W	180 × 125 × 110 mm	A++, A+, A, B, C, D, E



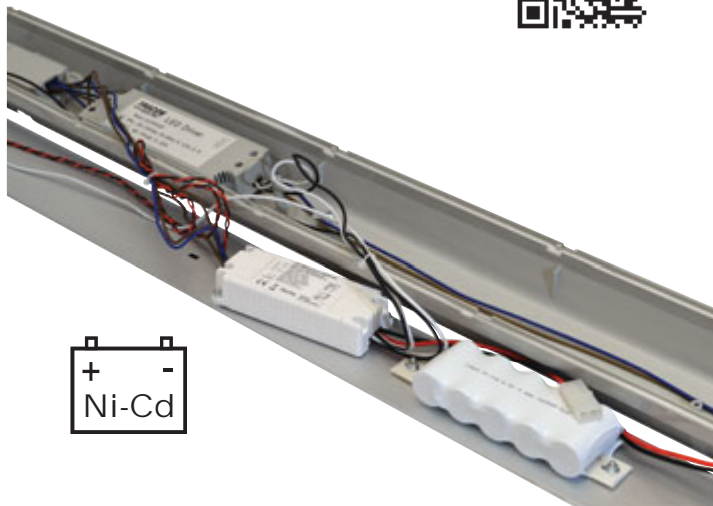
**Protected LED industrial lights**



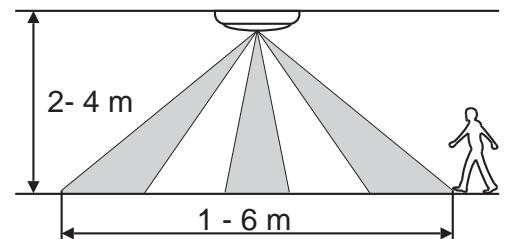
TRACON						L x W x H (mm)		
<b>LV0612</b>	12 W	18 W	BASIC	66 x SMD3528	1.000 lm	590 x 86 x 66mm	-	A
<b>LV0618</b>	18 W	2 x 18 W		92 x SMD3528	1.500 lm	590 x 86 x 66mm	-	A
<b>LV1224</b>	24 W	36 W		132 x SMD3528	2.000 lm	1180 x 86 x 66mm	-	A
<b>LV1236</b>	36 W	2 x 36 W		168 x SMD3528	3.000 lm	1180 x 86 x 66mm	-	A
<b>LV1530</b>	30 W	58 W		184 x SMD3528	2.500 lm	1480 x 86 x 72mm	-	A
<b>LV1548</b>	48 W	2 x 58 W		252 x SMD3528	4.000 lm	1480 x 86 x 72mm	-	A
<b>LV1224E</b>	24 W / 3 W	36 W		132 x SMD3528	2.000/280 lm	1180 x 86 x 66mm	1 h	A
<b>LV1236E</b>	36 W / 3 W	2 x 36 W		168 x SMD3528	3.000/280 lm	1180 x 86 x 66mm	1 h	A
<b>LV1530E</b>	30 W / 3 W	58 W		184 x SMD3528	2.500/280 lm	1480 x 86 x 72mm	1 h	A
<b>LV1548E</b>	48 W / 4 W	2 x 58 W		252 x SMD3528	4.000/350 lm	1480 x 86 x 72mm	1 h	A
<b>LV1236M</b>	36 W	2 x 36 W		168 x SMD3528	3.000 lm	1180 x 86 x 66mm	-	A
<b>LV1548M</b>	48 W	2 x 58 W		252 x SMD3528	4.000 lm	1480 x 86 x 72mm	-	A



**2 YEARS**  
WARRANTY



Ni-Cd





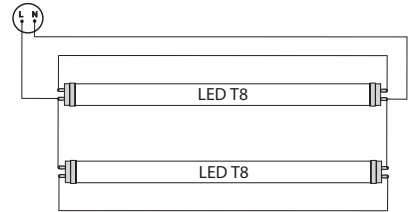
**Protected lamp body for LED light tubes**

Pictograms **E/0**

TRACON				L x W x H (mm)	
<b>TLFVLED212</b>	2 x 36 W	2 x 1200 mm	x 10	1265 x 130 x 92	A++, A+, A
<b>TLFVLED215</b>	2 x 58 W	2 x 1500 mm	x 12	1565 x 120 x 92	A++, A+, A



The luminaries are wired for one side supply LED tubes (LED-T8., LT8.), while using two side supply LED tubes (LED-T8R-...) the wiring have to be modified according to the user manual!



**2 YEARS WARRANTY**



**INSTALLATION BOXES**

- Wide size range
- With plastic screws
- Transparent and grey covers
- Snap-out cable entries

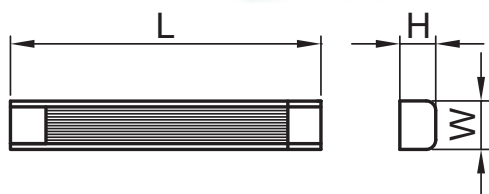
**TRACON**  
ELECTRIC®



**Protected fluorescent lights**

TRACON				
EVG			L x W x H (mm)	
TLFV-118E	1 x 18 W	6	655 x 72 x 86	A
TLFV-136E	1 x 36 W	10	1265 x 72 x 86	A
TLFV-158E	1 x 58 W	12	1565 x 72 x 86	A
TLFV-218E	2 x 18 W	6	655 x 115 x 86	A
TLFV-236E	2 x 36 W	10	1265 x 115 x 86	A
TLFV-258E	2 x 58 W	12	1565 x 115 x 86	A

TRACON				
VVG			L x W x H (mm)	
TLFV-118M	1 x 18 W	6	655 x 89 x 92	A
TLFV-136M	1 x 36 W	10	1265 x 89 x 92	A
TLFV-158M	1 x 58 W	12	1565 x 89 x 92	A
TLFV-218M	2 x 18 W	6	655 x 130 x 92	A
TLFV-236M	2 x 36 W	10	1265 x 130 x 92	A
TLFV-258M	2 x 58 W	12	1565 x 130 x 92	A



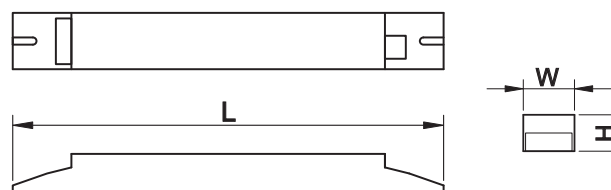
**RELEVANT STANDARD  
EN 60928**



**Electronic ballast for lamps using T8 fluorescent tubes**

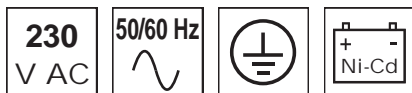


TRACON		L (mm)	W (mm)	H (mm)
TLFV-EE-118	1 x 18 W	275	28	27
TLFV-EE-136	1 x 36 W	275	28	27
TLFV-EE-158	1 x 58 W	320	32	28
TLFV-EE-218	2 x 18 W	275	28	27
TLFV-EE-236	2 x 36 W	320	32	28
TLFV-EE-258	2 x 58 W	320	32	28
TLFV-EE-418	4 x 18 W	332	33	28



**RELEVANT STANDARD  
EN 60598**

## Emergency conversion kits



TRACON					
	T5	T8			
<b>INV-1418</b>	14 W	18 W	1,5 h	3,6 V	2.400 mAh
<b>INV-2836</b>	28 W	36 W	1,5 h	4,8 V	2.400 mAh
<b>INV-3558</b>	35 W	58 W	1,5 h	6 V	2.400 mAh
<b>INV-1418-15</b>	14 W	18 W	0,5 h	3,6 V	1.500 mAh
<b>INV-2836-15</b>	28 W	36 W	0,5 h	4,8 V	1.500 mAh
<b>INV-3558-15</b>	35 W	58 W	0,5 h	6 V	1.500 mAh
<b>INV-2D28-45</b>	to TLKV-2D-28, TLKV-2D-38		0,5 h	3,6 V	4.500 mAh
<b>INV-DL-15</b>	to LED panels up to 50 W, see page 24.		0,5 h	19,2 V	1.500 mAh

Using these conversion kits all fluorescent luminaries can be used as emergency light after loosing the power supply. The kits contain two devices.

The inverter secures the working of tube while the power supply is on. If the power supply is turning off the inverter switches the tube to the circuit of battery and this way the tube can illuminate continuously.

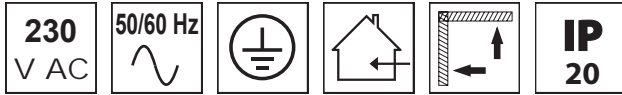
**RELEVANT STANDARD  
EN 60598**



**CHANGE TO LED!**



**Exit-marking LED lamps**

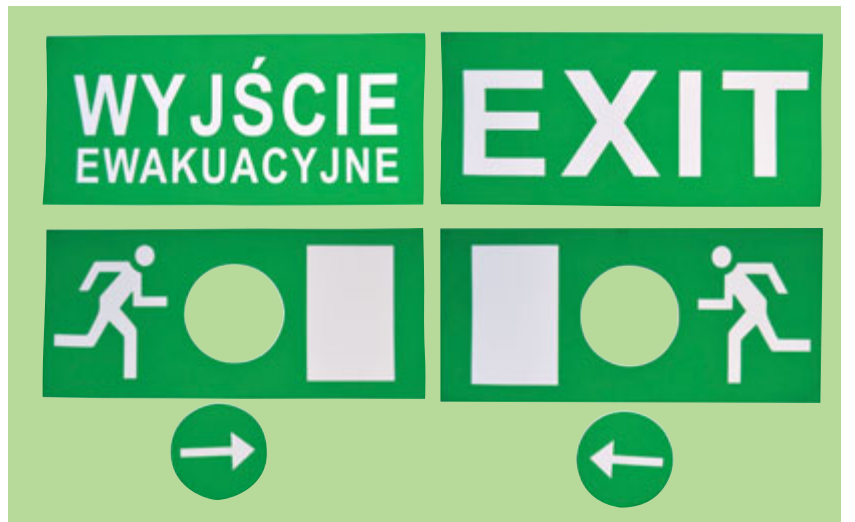
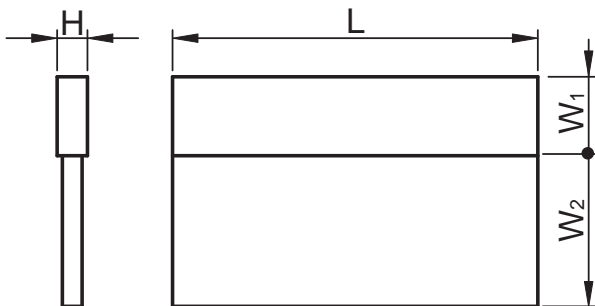
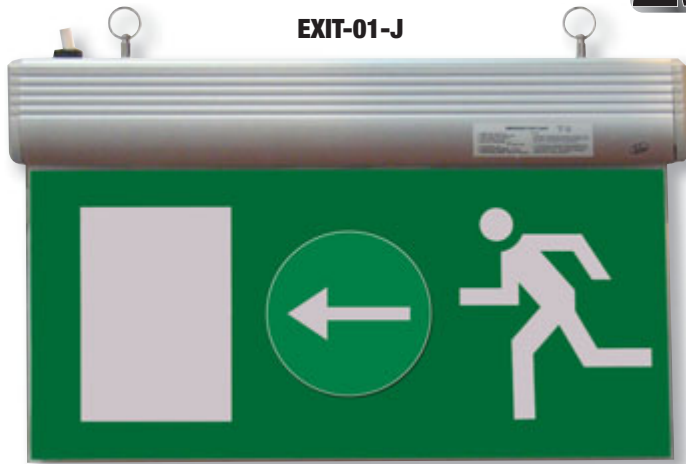


TRACON									L (mm)	W <sub>1</sub> (mm)	W <sub>2</sub> (mm)	H (mm)	
<b>EXIT-01-J</b>	4 W	3 h	240 lm	× 13	M	2.4 V	900 mAh	Ni-Cd	350	60	160	30	A
<b>EXIT-02-J</b>	3 W	3 h	180 lm	× 8	M	2.4 V	900 mAh	Ni-Cd	240	60	150	25	A
<b>EXIT-03-J</b>	6 W	3 h	360 lm	× 18	M	3.6 V	900 mAh	Ni-Cd	340	25	160	65	A

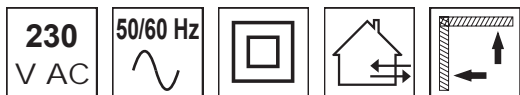
Maintained (**M-type**) lamps will stay on after a short switchover period.



**2 YEARS WARRANTY**



**Emergency lights**



TRACON							L x W x H (mm)	IP..		
<b>TLBV-18A</b>	8 W	G5 (T5)	1 h	2.4 V	1.5 Ah	Ni-Cd	350 x 117 x 76	IP 65	NM	A
<b>TLBV-18M</b>	8 W	G5 (T5)	3 h	2.4 V	4.5 Ah	Ni-Cd	350 x 117 x 76	IP 65	M	A
<b>TLBV-18NM</b>	8 W	G5 (T5)	3 h	2.4 V	4.5 Ah	Ni-Cd	350 x 117 x 76	IP 65	NM	A
<b>TLBVLED30</b>	4 W	-	3 h	4.8 V	900 mAh	Ni-Cd	350 x 117 x 76	IP 65	M	A



**TLBVLED30**

**TLBV-18..**



Warning lamps are meant for lighting of areas in case of power network failure. **Maintained (M-type)** lamps will stay on after a short switchover period, **Not maintained (NM-type)** lamps will switch on after failure of the normal network. Switchover / switch-on time is shorter than 1 second.

**TRACON**

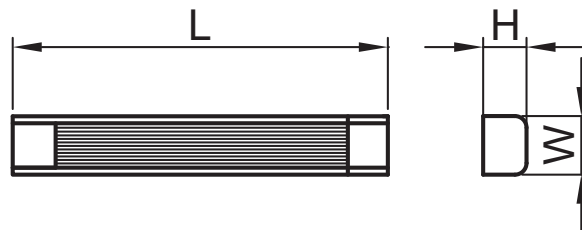


**TLBV-18-KJ**

Snap-in exit sign for ceiling mount of TLBV luminaries, "SIDE" arrow

**TLBV-18-KL**

Snap-in exit sign for ceiling mount of TLBV luminaries, "DOWN" arrow



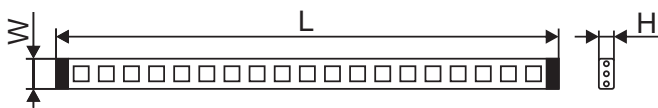
**Flat lamp units**



TRACON					L x W x H (mm)		
LLBS5WW	5 W	10 W	420 lm	3.000 K	500 × 29 × 8	72 × SMD3528	A
LLBS5NW	5 W	10 W	470 lm	4.000 K	500 × 29 × 8	72 × SMD3528	A
LLBS5CW	5 W	10 W	470 lm	6.000 K	500 × 29 × 8	72 × SMD3528	A
LLBS11WW	11 W	18 W	800 lm	3.000 K	1000 × 29 × 8	144 × SMD3528	A
LLBS11CW	11 W	18 W	870 lm	6.000 K	1000 × 29 × 8	144 × SMD3528	A



Using the accessory connectors, the flat lamp units can be installed in series both in a straight line or arched.



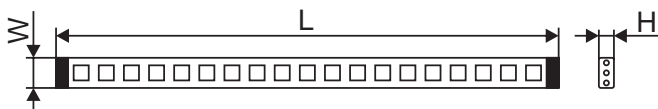
**LED cabinet lights, metall housing, triangle type**



TRACON					L x W x H (mm)		
LSBS5WW	5 W	10 W	420 lm	3.000 K	500 × 32 × 19.7	72 × SMD3528	A
LSBS5CW	5 W	10 W	470 lm	6.000 K	500 × 32 × 19.7	72 × SMD3528	A
LSBS11WW	11 W	18 W	800 lm	3.000 K	1000 × 32 × 19.7	144 × SMD3528	A
LSBS11CW	11 W	18 W	870 lm	6.000 K	1000 × 32 × 19.7	144 × SMD3528	A



The triangular lamp units can be installed in straight line only, using the accessory connector elements. These lamps are recommended for installation in the corners between the wall and furniture.



**Drivers**

TRACON	U <sub>n</sub>	
LED-CVD-24W	230 V / 12 V	24 W
LED-CVD-48W	230 V / 12 V	48 W
LED-CVL-24W	230 V / 12 V	24 W
LED-CVL-48W	230 V / 12 V	48 W
LED-CVL-96W	230 V / 12 V	96 W

LED-CVD




LED-CVL





### Connecting elements

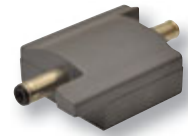
TRACON 	
<b>LBSTL</b>	LLBS
<b>LSBSTL</b>	LSBS
<b>LBSC05</b>	L = 0,5 m
<b>LBSC1</b>	L = 1 m
<b>LBSC41</b>	1:4
<b>LBSC61</b>	1:6

**LBSTL**



Straight connecting element

**LBSTL**



**LBSC41**



Branched connector cable

**LBSC61**



Branched connector cable

**LBSC05, LBSC1**



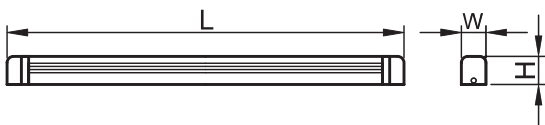
Straight connector cable



### LED furniture lighting TLLED type

<b>230</b> V AC	50/60 Hz				<b>IP</b> <b>20</b>	$\geq 80$	$>15.000$	<b>SMD</b> <b>LED</b>	[h] <b>25.000</b>	
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TRACON	[W]	L LED	[lm]	[K]	L x W x H (mm)	[°]	
<b>TLLED10W</b>	10 W	18 W	700 lm	4.500 K	605 x 30 x 43mm	120°	A+
<b>TLLED20W</b>	20 W	30 W	1.400 lm	4.500 K	1225 x 30 x 43mm	120°	A+
<b>TLLED24W</b>	24 W	36 W	2.000 lm	4.500 K	1525 x 30 x 43mm	120°	A+

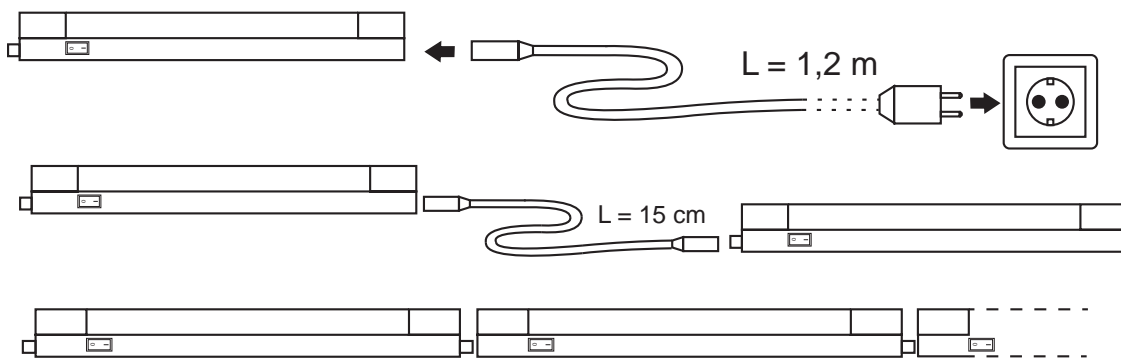
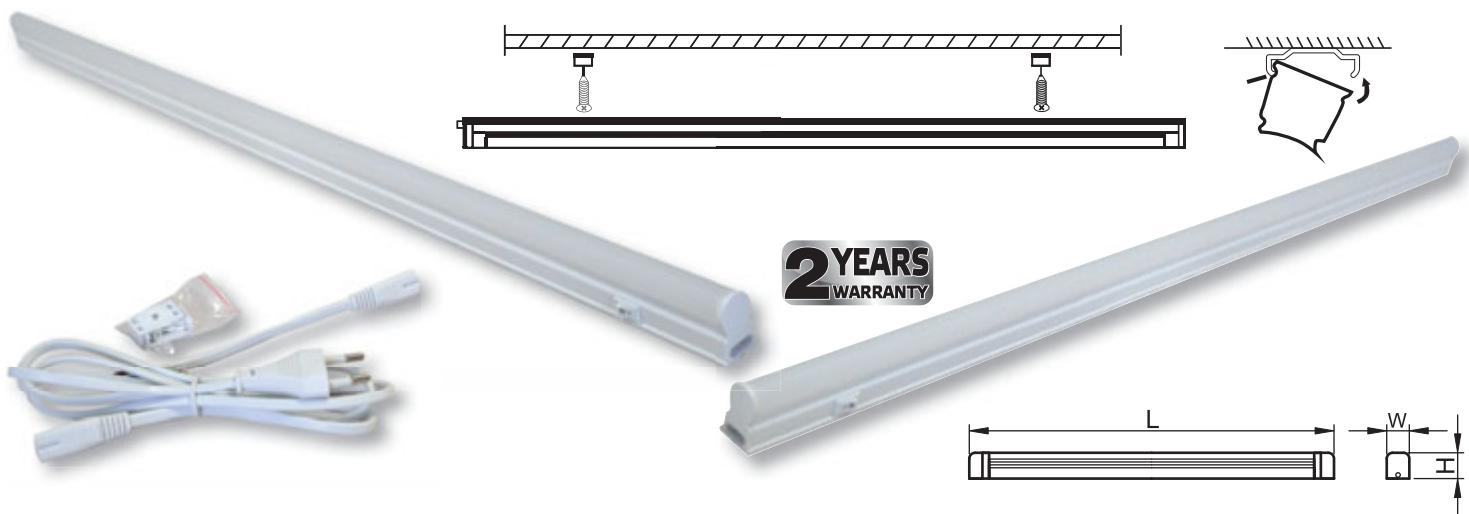


**2 YEARS**  
WARRANTY

**LED cabinet lights, plastic housing**

<b>230</b> V AC	50/60 Hz				<b>IP</b> <b>20</b>	$\geq 80$	2 x 0,5mm 1,2 m	ON-OFF >30.000	[h] 30.000	<b>SMD</b> <b>LED</b>	<b>Hg</b> <b>0 mg</b>	$T_{up} < 1s$
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TRACON	[W]	L LED	[lm]	Tc [K]	[°]	L x W x H (mm)	xSMD2835	
<b>LBV5WW</b>	5 W	7 W	400 lm	3.000 K	180°	300x22x35 mm	26	A
<b>LBV5NW</b>	5 W	7 W	400 lm	4.500 K	180°	300x22x35 mm	26	A
<b>LBV10WW</b>	10 W	14 W	800 lm	3.000 K	180°	600x22x35 mm	52	A
<b>LBV10NW</b>	10 W	14 W	800 lm	4.500 K	180°	600x22x35 mm	52	A
<b>LBV15WW</b>	15 W	21 W	1.200 lm	3.000 K	180°	900x22x35 mm	76	A
<b>LBV15NW</b>	15 W	21 W	1.200 lm	4.500 K	180°	900x22x35 mm	76	A
<b>LBV20WW</b>	20 W	28 W	1.800 lm	3.000 K	180°	1200x22x35 mm	100	A
<b>LBV20NW</b>	20 W	28 W	1.800 lm	4.500 K	180°	1200x22x35 mm	100	A

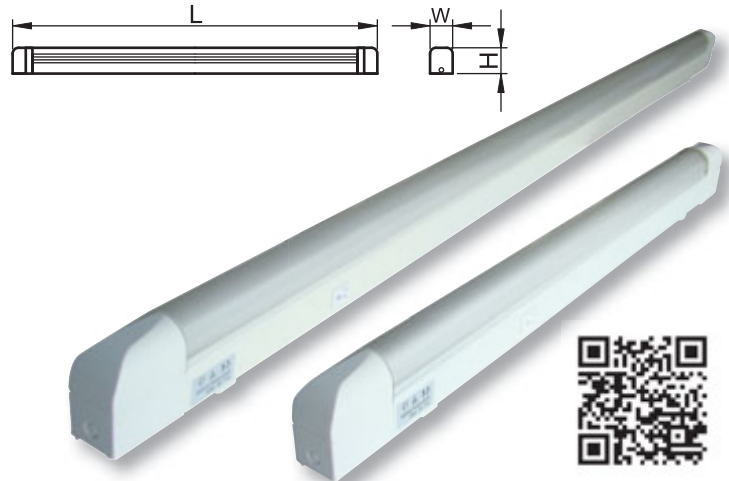


### Fluorescent lamps for furniture lighting

Pictograms **E/0**

TRACON				Tc [K]	L (mm)	W (mm)	H (mm)	
<b>TLL-10</b>	G13	10 W	T8	6.400 K	412	34	64	A
<b>TLL-15</b>	G13	15 W	T8	6.400 K	516	34	64	A
<b>TLL-18</b>	G13	18 W	T8	6.400 K	669	34	64	A
<b>TLL-30</b>	G13	30 W	T8	6.400 K	973	34	64	A
<b>TLL-36</b>	G13	36 W	T8	6.400 K	1270	34	64	A

The tube is included.

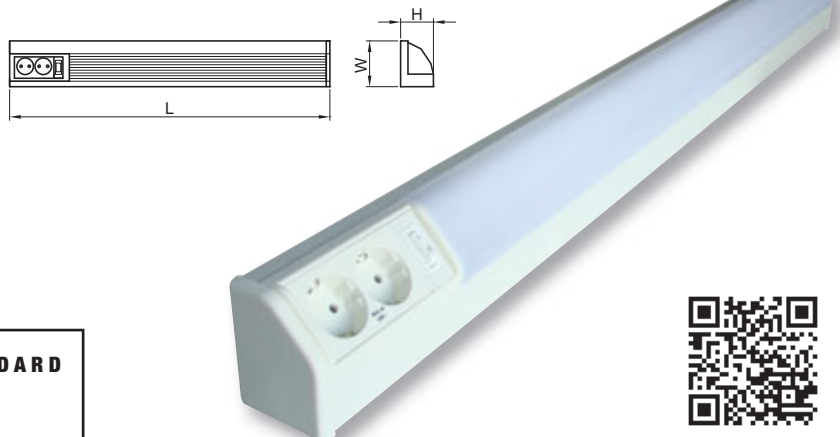


### Fluorescent lamps for furniture lighting with two socket outlets

Pictograms **E/0**

TRACON					Tc [K]	L (mm)	W (mm)	H (mm)	
<b>TLFL-10</b>	<b>TLFL-10F</b>	G13	10 W	T8	6.400 K	500	80	60	A
<b>TLFL-15</b>	<b>TLFL-15F</b>	G13	15 W	T8	6.400 K	600	80	60	A
<b>TLFL-18</b>	<b>TLFL-18F</b>	G13	18 W	T8	6.400 K	750	80	60	A
<b>TLFL-30</b>	<b>TLFL-30F</b>	G13	30 W	T8	6.400 K	1060	80	60	A

The tube is included.



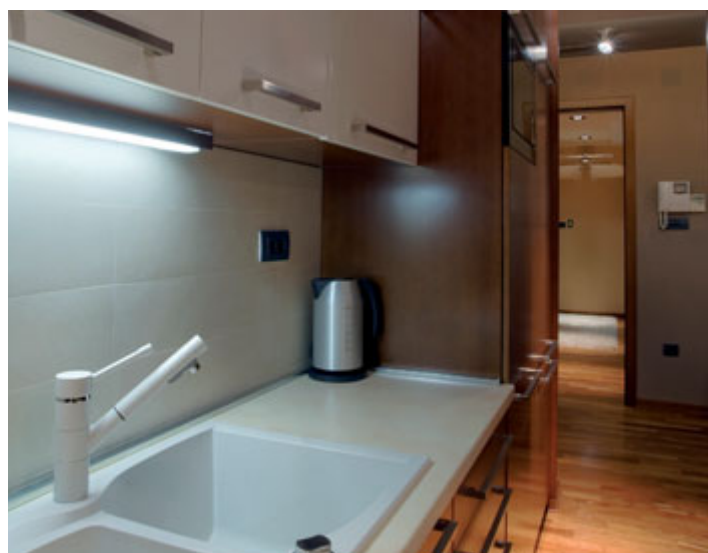
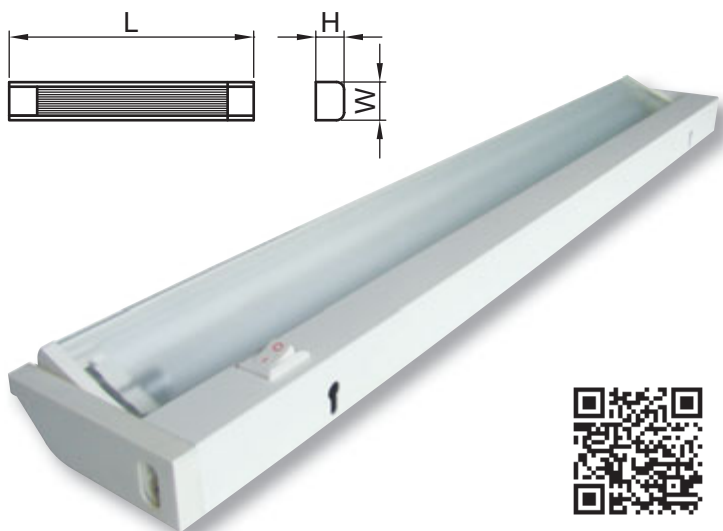


**Fluorescent lamps for furniture lighting with turnable light source**

Pictograms **E/0**

TRACON					L (mm)	W (mm)	H (mm)	
<b>FLF-T5-8W</b>	G5	8 W	T5	6.400 K	363	100	35	A
<b>FLF-T5-14W</b>	G5	14 W	T5	6.400 K	625	100	35	A
<b>FLF-T5-21W</b>	G5	21 W	T5	6.400 K	923	100	35	A
<b>FLF-T5-28W</b>	G5	28 W	T5	6.400 K	1225	100	35	A

The tube is included.



**Scan the QR code**

- Look at the technical parameters
- Download the user guides
- Download the CE declarations
- Be updated

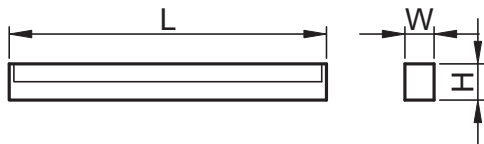
**Our assortment is expanding quickly and continuously! Our catalogue shows the assortment of January 2017. Be up to date by our web page!**

## Fluorescent lamps for furniture lighting to be installed in series

TRACON				Tc [K]	L (mm)	W (mm)	H (mm)	
<b>FLT58W</b>	G5	8 W	T5	6.400 K	358	22	42	A
<b>FLT513W</b>	G5	13 W	T5	6.400 K	585	22	42	A
<b>FLT521W</b>	G5	21 W	T5	6.400 K	915	22	42	A
<b>FLT528W</b>	G5	28 W	T5	6.400 K	1215	22	42	A
<b>FLT535W</b>	G5	35 W	T5	6.400 K	1515	22	42	A

These lamps are remarkable for their small dimensions. The lamp bodies can be connected in rows by tongues and grooves or by cables of 15 cm length. The lamp bodies are fixed by clamping into plastic frames. All lamps are equipped with electronic ballast. The tube is included.

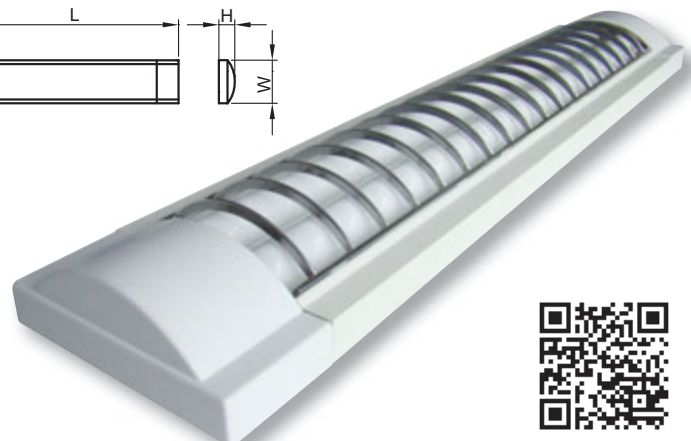
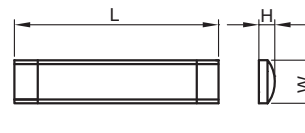
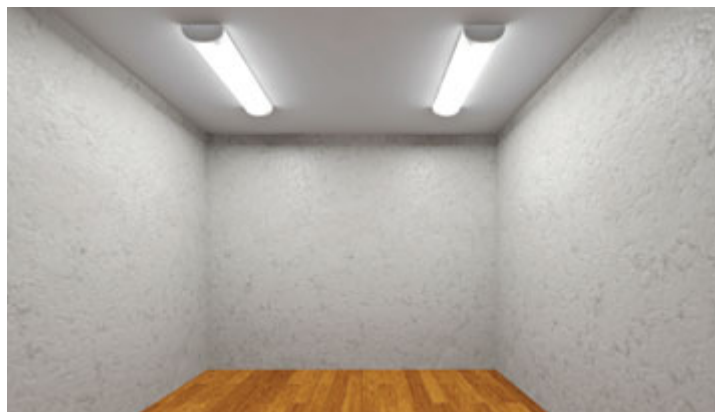
**RELEVANT STANDARD  
EN 60598**



## Ceiling-mounted fluorescent lamps with T8 tubes

TRACON				Tc [K]	L (mm)	W (mm)	H (mm)	
<b>MFL-T8-115W</b>	G13	1 × 15 W	T8	6.400 K	505	114	45	A
<b>MFL-T8-118W</b>	G13	1 × 18 W	T8	6.400 K	655	114	45	A
<b>MFL-T8-130W</b>	G13	1 × 30 W	T8	6.400 K	960	114	45	A
<b>MFL-T8-136W</b>	G13	1 × 36 W	T8	6.400 K	1265	114	45	A
<b>MFL-T8-218W</b>	G13	2 × 18 W	T8	6.400 K	655	140	50	A
<b>MFL-T8-230W</b>	G13	2 × 30 W	T8	6.400 K	960	140	50	A
<b>MFL-T8-236W</b>	G13	2 × 36 W	T8	6.400 K	1265	140	50	A

The tube is included.



**LED stripes**

<b>12 V</b> DC	[h] <b>25.000</b>	<b>ON-OFF</b> <b>&gt;30.000</b>		<b>SMD LED</b>			<b>Hg</b> <b>0 mg</b>	<b>T<sub>up</sub>&lt;1s</b>		<b>Pictograms</b>	<b>E/0</b>
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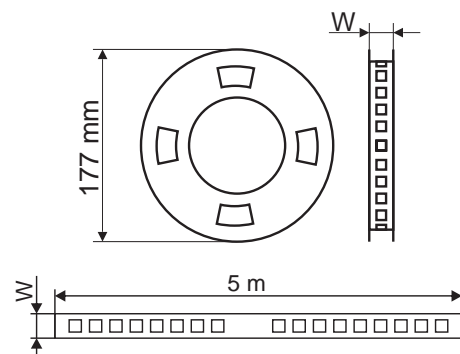
TRACON	[W]	[lm]		[K]		IP..	L E D
<b>LED-SZ-48-WW</b>	4,8 W / m	180 lm / m	8 mm	3.000 K	100 mm	IP 20	60 × SMD3528 / m
<b>LED-SZ-48-CW</b>	4,8 W / m	200 lm / m	8 mm	6.000 K	100 mm	IP 20	60 × SMD3528 / m
<b>LED-SZK-48-WW</b>	4,8 W / m	180 lm / m	8 mm	3.000 K	100 mm	IP 65	60 × SMD3528 / m
<b>LED-SZK-48-NW</b>	4,8 W / m	180 lm / m	8 mm	4.000 K	100 mm	IP 65	60 × SMD3528 / m
<b>LED-SZK-48-CW</b>	4,8 W / m	200 lm / m	8 mm	6.000 K	100 mm	IP 65	60 × SMD3528 / m
<b>LED-SZK-72-WW</b>	7,2 W / m	300 lm / m	10 mm	3.000 K	100 mm	IP 65	30 × SMD5050 / m
<b>LED-SZK-72-NW</b>	7,2 W / m	320 lm / m	10 mm	4.000 K	100 mm	IP 65	30 × SMD5050 / m
<b>LED-SZK-72-CW</b>	7,2 W / m	330 lm / m	10 mm	6.000 K	100 mm	IP 65	30 × SMD5050 / m
<b>LED-SZK-72-RGB</b>	7,2 W / m	–	10 mm	RGB	100 mm	IP 65	30 × SMD5050 / m
<b>LED-SZ-96-WW</b>	9,6 W / m	360 lm / m	8 mm	3.000 K	50 mm	IP 20	120 × SMD3528 / m
<b>LED-SZ-96-CW</b>	9,6 W / m	400 lm / m	8 mm	6.000 K	50 mm	IP 20	120 × SMD3528 / m
<b>LED-SZ-144-WW</b>	14,4 W / m	530 lm / m	10 mm	3.000 K	50 mm	IP 20	60 × SMD5050 / m
<b>LED-SZ-144-CW</b>	14,4 W / m	560 lm / m	10 mm	6.000 K	50 mm	IP 20	60 × SMD5050 / m
<b>LED-SZ-144-RGB</b>	14,4 W / m	–	10 mm	RGB	50 mm	IP 20	60 × SMD5050 / m
<b>LED-SZTR-144-WW</b>	14,4 W / m	640 lm / m	10 mm	3.000 K	50 mm	IP 65	60 × SMD5050 / m
<b>LED-SZTR-144-CW</b>	14,4 W / m	640 lm / m	10 mm	6.000 K	50 mm	IP 65	60 × SMD5050 / m
<b>LED-SZK-144-WW</b>	14,4 W / m	600 lm / m	10 mm	3.000 K	50 mm	IP 65	60 × SMD5050 / m
<b>LED-SZK-144-NW</b>	14,4 W / m	620 lm / m	10 mm	4.000 K	50 mm	IP 65	60 × SMD5050 / m
<b>LED-SZK-144-CW</b>	14,4 W / m	640 lm / m	10 mm	6.000 K	50 mm	IP 65	60 × SMD5050 / m
<b>LED-SZK-144-RGB</b>	14,4 W / m	–	10 mm	RGB	50 mm	IP 65	60 × SMD5050 / m

The LED stripes are basically used for decoration purposes; by using these stripes the decorative lighting can be completed fast, cheap and easy at home, in shops and in public areas as well.

The 9,6 W/m and 14,4 W/m power LED stripes have to be install into aluminum profile to ensure the proper heating of LED. This is a condition of 2 years guarantee. The aluminum profiles see on page E/53.



**2 YEARS**  
WARRANTY





## LED stripe sets

12 V DC	[h] 25.000	ON-OFF >30.000		SMD LED			Hg 0 mg	$T_{up} < 1s$		Pictograms	E/0
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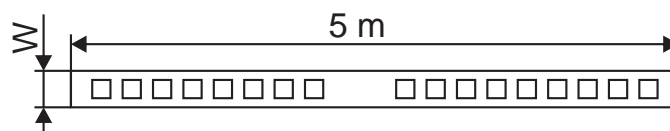
TRACON	[W]	[lm]	W	Tc [K]		LED	IP..
LED-SET-B-WW	4,8 W / m	120 lm / m	8 mm	3.000 K	100 mm	30 × SMD3528 / m	IP 20
LED-SET-K-RGB	14,4 W / m	450 lm / m	10 mm	RGB	50 mm	60 × SMD5050 / m	IP 54

LED stripe sets Our LED stripes are available in sets. These sets are containing all elements for proper operation so the installation is easy and fast.

The main technical parameters same as for LED stripes.



**2 YEARS**  
WARRANTY



## Miniature LED controls

		IP 20	12-24 V DC
--	--	----------	---------------

TRACON	$U_n$	$I_n$
LED-RF-2	12-24 VDC	12 A

## Controlled parameters

Radio-frequency remote controller: ON/OFF, light intensity, pre-programmed plays of light, speed regulation



**2 YEARS**  
WARRANTY



Pictograms	E/0
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By use of **LED-RF-2** controls, the single color LED tapes are suitable for pre-programmed plays of light.

The controls shall be connected to the driver's 12 – 24 VDC circuit, between the tape and the driver. The device can remote by radio-frequency; the remote control unit needs not "see" the receptor unit. One control unit is suited to control LED tapes up to 5 m length.





## SCAN THE QR CODE!

- Check our new products
- Be updated

**Our assortment is expanding quickly and continuously! Our catalogue shows the assortment of January 2017. Be up to date by our web page!**

**RGB LED controls**

12-24 V DC   **IP 20**

 **Pictograms** **E/0**

<b>TRACON</b>	<b>U<sub>n</sub></b>			<b>IP..</b>
<b>LED-RFRGB-144W</b>	12-24 VDC	144 W	RGB	IP 20



The RGB LED tapes are suited for plays of coloured light, programmed by LED RF control units. The controls shall be included in the driver's 12 – 24 VDC circuit, between the tape and the driver. Control is achieved by a remote control radio-frequency unit. The remote control unit needs not to “see” the receptor unit. One control unit is suited to control LED tapes up to 5 m length.

**Power repeater for RGB LED stripes**





**TRACON**

**LPRGB**


 **Pictograms** **E/0**

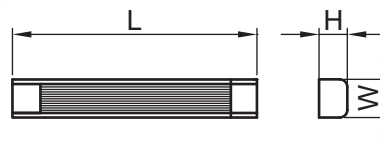
Using the LPRGB power repeater the range of LED-RF controller can be extended, so another 5 m long RGB stripe can be controlled together with the first part of LED stripe. ATTENTION! The power repeater needs also 12 VDC power supply!

**LED drivers**

220-240 V AC  

 **Pictograms** **E/0**

<b>TRACON</b>		<b>IP..</b>	<b>I<sub>n</sub></b>	<b>L×W×H</b>
<b>LED-CV-20W</b>	20 W	IP 20	1,7 A	113×44×28 mm
<b>LED-CV-30W</b>	36 W	IP 20	3 A	166×52×24 mm
<b>LED-CV-50W</b>	50 W	IP 20	4,2 A	184×61×32 mm
<b>LED-CV65-50W</b>	60 W	IP 67	5 A	240×30×28 mm
<b>LED-CV65-100W</b>	100 W	IP 67	8,4 A	191×70×40 mm
<b>LED-CV65-150W</b>	150 W	IP 67	12,5 A	223×70×40 mm
<b>LED-CV65-200W</b>	200 W	IP 67	16 A	249×70×40 mm



For proper operation of LED with 12 V DC rated voltage a suitable 230 VAC / 12 VDC driver has to be used according to the type of the LED. The next table below helps the user to select the proper driver.



**LED-CV65-100W**



**LED-CV-20**



**LED-CV-30**



**LED-CV-50**



## Aluminum profiles for LED stripes

**LEDSZSLIM**      **LEDSZTRIO**      **LEDSZSURFACE**      **LEDSZCORNER**

**LEDSZBSLO**      **VL..**

TRACON	W	L	VLSLIM	LEDSZBSLO;
<b>LEDSZSLIM</b>	8 mm	1 m	<b>LEDSZBSLO;</b>	–
<b>LEDSZTRIO</b>	10 mm	1 m	<b>VLTRIO</b>	<b>LEDSZBCTO; LEDSZBCTT</b>
<b>LEDSZSURFACE</b>	10 mm	1 m	<b>VLSURFACE</b>	<b>LEDSZBCTO; LEDSZBCTT</b>
<b>LEDSZCORNER</b>	10 mm	1 m	<b>VLCORNER</b>	<b>LEDSZBCTO; LEDSZBCTT</b>

We recommend using aluminum profiles for LED strips to ensure the optimal operation conditions and long lifetime. Using this profiles not only the heat dissipation of strips are better but their outlook is more aesthetic. The products having IP20 protection so they cannot increase the protection of strips installed inside the profiles! The profiles are available in 1 m length and have no holes for installation on the bottom for easier size cutting. These holes have to bore by the user according to the installation place. The stripe have to be placed on the bottom of the profile, the cover can slide in to the grooves at the top.

## LED stripe accessories

TRACON	Connection method	Characteristics
<b>LSZT8</b>	Soldering-free connection of single-colour LED stripes	for 8 mm stripes;
<b>LSZT10</b>		for 10 mm stripes
<b>LSZTC8</b>	Soldering-free connection of single-colour LED stripes with conductor wire	for 8 mm stripes, with 15 cm wire
<b>LSZTC10</b>		for 10 mm stripes, with 15 cm wire
<b>LSZTRGB</b>	Soldering-free connection of RGB LED stripes	for RGB stripes
<b>LSZTCRGB</b>	Soldering-free connection of RGB LED stripes with conductor wire	for RGB stripes with 15 cm wire
<b>LSZJF55</b>	Connecting element between LED stripes and drivers	5,5 mm JACK connector tap / screw
<b>LSZJM55</b>		5,5 mm JACK connector plug / screw

For easier installation of the LED bands, various accessory devices are offered.

They enable connections of bands without soldering, as well as connection to the drivers.





**NEW!**

# LED DESK LAMPS

## LAL4W series

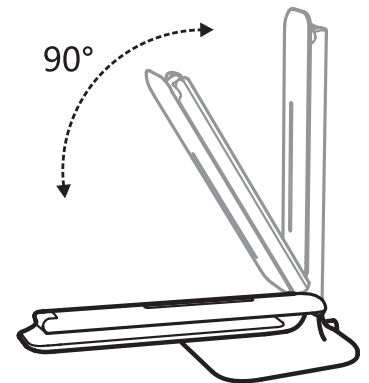
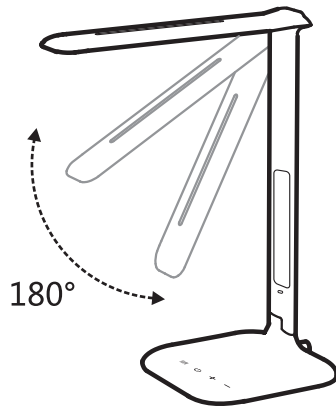
The LAL4W desk lamp family offers simple desk lamp (LAL4W), lamp with LCD display showing the date / time / temperature and has alarm function (LALD4W) and there is a type with integrated Bluetooth® speaker (LALB4W). With this type of range all user can find the proper desk lamp for your demand.

4W - 280 lm

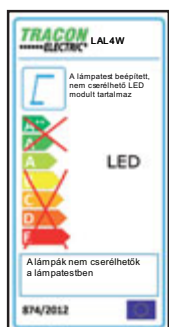
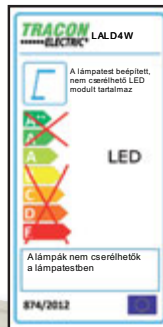


2800-3300K  
4000-4500K  
6000-6500K

3 color temperature options



5 steps dimming



**LAL4W**

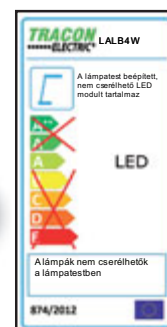
Temperature



Time

Date

**LALD4W**

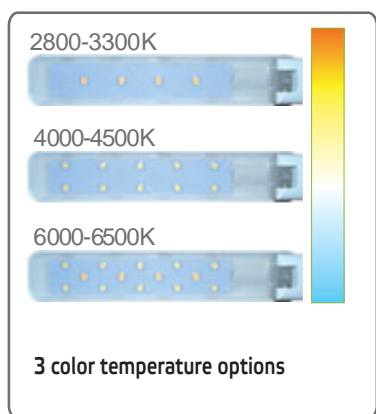
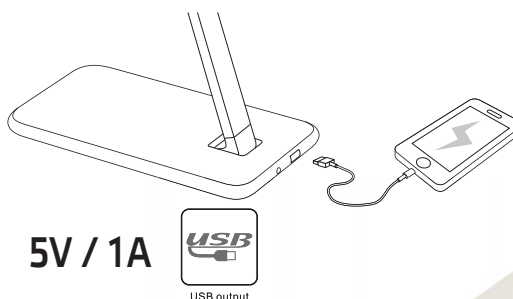
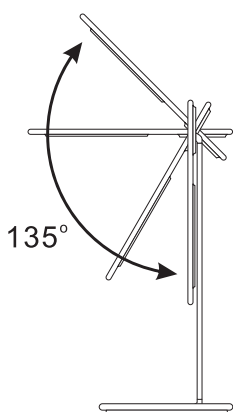
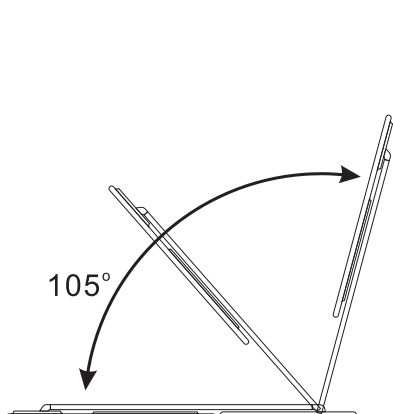
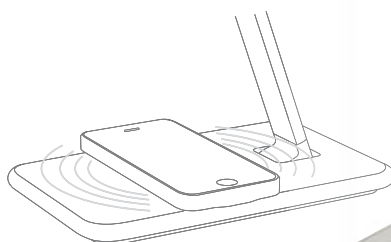
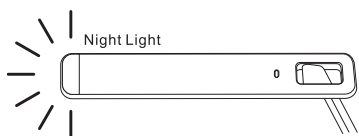
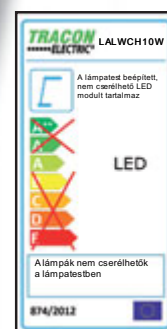
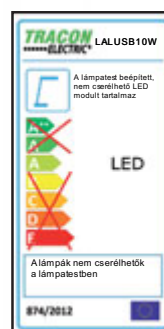
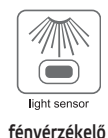
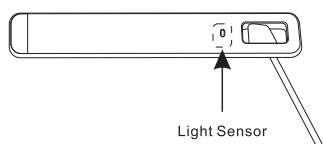


**NEW!**

# LED DESK LAMPS

## LAL10W series

The LAL10W desk lamp family is designed to light the desks on offices. The LALUSB10W lamp has integrated USB port for charging mobile devices, the LALWCH10W type has furthermore wireless charging plate for charging mobile phones with wireless charging function.

**10W - 700 lm****5 steps dimming****Wireless charge****LALUSB10W  
LALWCH10W**

**LED light source with oil cool**



TRACON						Tc [K]	[°]	D × L	Ei
LOCE143WW	E14	3 W	30 W	300 lm	3.000 K	360°	35 × 95 mm	A+	
LOCE143NW	E14	3 W	30 W	300 lm	4.500 K	360°	35 × 95 mm	A+	
LOCE144WW	E14	4 W	40 W	400 lm	3.000 K	360°	35 × 95 mm	A+	
LOCE144NW	E14	4 W	40 W	400 lm	4.500 K	360°	35 × 95 mm	A+	
LOA45E276WW	E27	6 W	50 W	510 lm	3.000 K	360°	45 × 90 mm	A+	
LOA45E276NW	E27	6 W	50 W	510 lm	4.500 K	360°	45 × 90 mm	A+	
LOA45E278WW	E27	8 W	60 W	650 lm	3.000 K	360°	55 × 90 mm	A+	
LOA45E278NW	E27	8 W	60 W	650 lm	4.500 K	360°	55 × 90 mm	A+	
LOA55E2710WW	E27	10 W	75 W	900 lm	3.000 K	360°	55 × 90 mm	A+	
LOA55E2710NW	E27	10 W	75 W	900 lm	4.500 K	360°	55 × 90 mm	A+	



**LOCE14..**

Special oil used in the cosmetic industry serves for cooling the LED light source, best suited for this purpose:

- outstanding thermal conductivity;
- non-corrosive;
- environment friendly;
- non-inflammable.

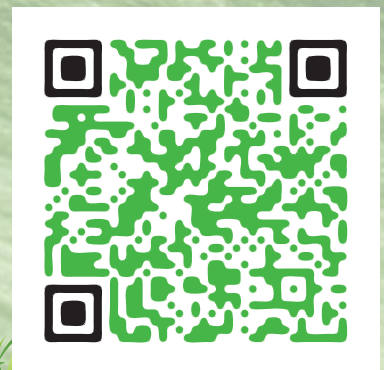
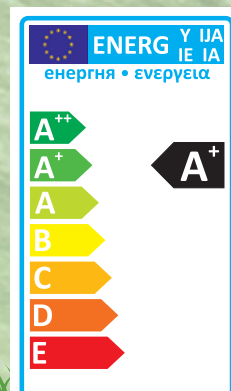
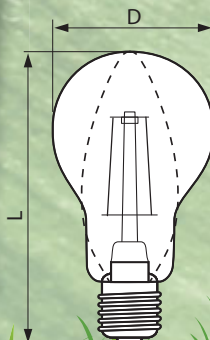


**LOA55..**



**LOA45..**

**LASER WELDING TECHNOLOGY!**





**COG LED light sources**

**2 YEARS WARRANTY**

230 V AC	50/60 Hz		$Ra \geq 80$	20.000 [h]	ON-OFF >20.000	COG LED	Hg 0 mg	$T_{up} < 1s$	360°	Pictograms	E/0
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TRACON		(W)	LED	[lm]	$T_c$ [K]	$\theta$ [°]	D x L	
<b>COGP452W</b>	E14	2 W	25 W	200 lm	3.000 K	360°	45 x 73 mm	P45 A+
<b>COGC372W</b>	E14	2 W	25 W	200 lm	3.000 K	360°	37 x 100 mm	C37 A+
<b>COGA604W</b>	E27	4 W	40 W	400 lm	3.000 K	360°	60 x 107 mm	A60 A+
<b>COGA606W</b>	E27	6 W	60 W	600 lm	3.000 K	360°	60 x 107 mm	A60 A+

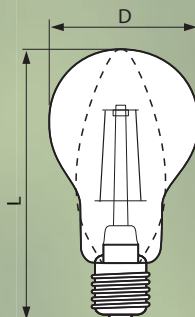
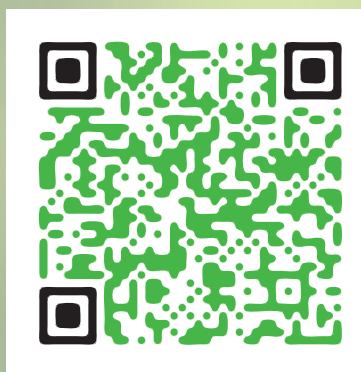


**COG technologie**

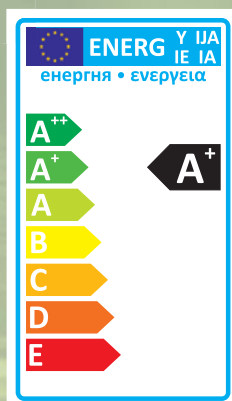
Due to the LED chips placed on special glass plates these light sources generate energy-saving illumination in a way similar to the traditional incandescent lamps.

In the COG (**Chip On Glass**) LED light sources the chips are placed on a glass surface. This way luminous glass sticks are created with practically all-round light emission.

**COGA604W  
COGA606W**



**COGP452W**



**COGC372W**

**Normal globe form**

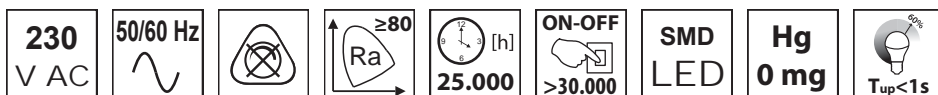
TRACON							D x L	
LA555W	E27	5 W	40 W	400 lm	2.700 K	250°	50 x 92 mm	A+
LA608W	E27	8 W	60 W	520 lm	2.700 K	250°	60 x 110 mm	A+
LA608NW	E27	8 W	60 W	560 lm	4.000 K	250°	60 x 110 mm	A+
LA609W	E27	9 W	55 W	720 lm	2.700 K	250°	60 x 110 mm	A+
LA6511W	E27	11 W	65 W	880 lm	2.700 K	250°	65 x 125 mm	A+
LA6511NW	E27	11 W	65 W	900 lm	4.000 K	250°	65 x 125 mm	A+
LA6512W	E27	12 W	70 W	960 lm	2.700 K	200°	65 x 125 mm	A+
LA6015W	E27	15 W	75 W	1.055 lm	2.700 K	250°	60 x 110 mm	A
LA608WE	E27	8 W	60 W	650 lm	2.700 K	220°	60 x 109 mm	A+
LA608NWE	E27	8 W	60 W	670 lm	4.000 K	220°	60 x 109 mm	A+
LA6010WE	E27	10 W	65 W	810 lm	2.700 K	220°	60 x 109 mm	A+
LA6012WE	E27	12 W	75 W	1.060 lm	2.700 K	220°	65 x 127 mm	A+
LA605W0	E27	5 W	40 W	400 lm	3.000 K	250°	60 x 108 mm	A+
LA605NW0	E27	5 W	40 W	410 lm	4.000 K	250°	60 x 108 mm	A+
LA607W0	E27	7.5 W	60 W	640 lm	3.000 K	250°	60 x 108 mm	A+
LA607NW0	E27	7.5 W	60 W	650 lm	4.000 K	250°	60 x 108 mm	A+
LA6010W0	E27	10 W	75 W	810 lm	3.000 K	250°	60 x 108 mm	A+
LA6010NW0	E27	10 W	75 W	820 lm	4.000 K	250°	60 x 108 mm	A+
LA6012W0	E27	12 W	100 W	1.055 lm	3.000 K	250°	60 x 108 mm	A+
LA6012NW0	E27	12 W	100 W	1.065 lm	4.000 K	250°	60 x 108 mm	A+
LA6015W0	E27	15 W	125 W	1.521 lm	3.000 K	250°	60 x 108 mm	A+
LA6015NW0	E27	15 W	100 W	1.521 lm	4.000 K	160°	60 x 108 mm	A+
LA6518W0	E27	18 W	120 W	1.890 lm	2.700 K	160°	60 x 108 mm	A+
LA6518NW0	E27	18 W	120 W	1.890 lm	4.000 K	160°	60 x 108 mm	A+



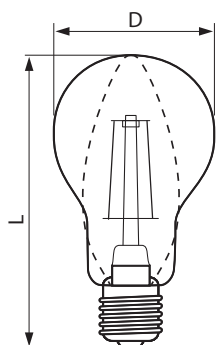
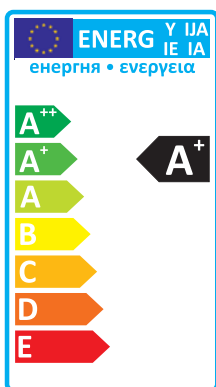
**ENERGY LABEL**  
 Y IIA  
 IE IA  
 енергія • енергія

**A+**

## LED lamps with globe shape

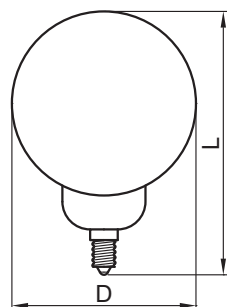
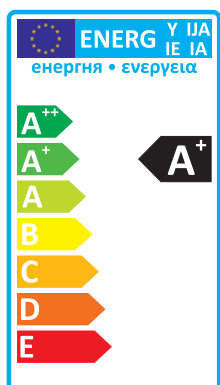


TRACON							D × L	
LG454W	E27	4 W	20 W	250 lm	2.700 K	250°	45 × 70 mm	A+
LG455W	E27	5 W	40 W	350 lm	2.700 K	250°	45 × 70 mm	A+
LG455NW	E27	5 W	40 W	370 lm	4.000 K	250°	45 × 70 mm	A+
LMG453W	E14	3 W	20 W	220 lm	2.700 K	250°	45 × 78 mm	A+
LMG455W	E14	5 W	40 W	370 lm	2.700 K	250°	45 × 78 mm	A+
LMG455NW	E14	5 W	40 W	380 lm	4.000 K	250°	45 × 78 mm	A+
LMG455W0	E14	4.6 W	40 W	400 lm	3.000 K	160°	45 × 78 mm	A+
LMG455NWO	E14	4.6 W	40 W	410 lm	4.000 K	160°	45 × 78 mm	A+



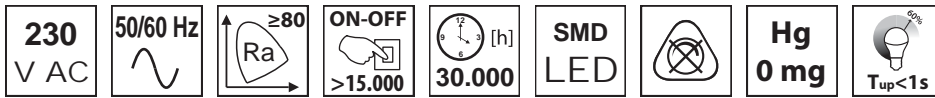
## Big globe form

TRACON							D × L	
LA8012W	E27	12 W	75 W	900 lm	2.700 K	200°	95 × 128 mm	A
LG9515WE	E27	15 W	100 W	1.300 lm	2.700 K	270°	95 × 135 mm	A+
LG9515NWE	E27	15 W	100 W	1.320 lm	4.000 K	270°	95 × 135 mm	A+
LG12020WE	E27	20 W	120 W	1.800 lm	2.700 K	270°	120 × 157 mm	A+
LG12020NWE	E27	20 W	120 W	1.820 lm	4.000 K	270°	120 × 157 mm	A+
LG9515W0	E27	15 W	75 W	1.251 lm	2.700 K	220°	95 × 135 mm	A+
LG9515NWO	E27	15 W	75 W	1.251 lm	4.000 K	220°	95 × 135 mm	A+
LG12020W0	E27	20 W	120 W	1.890 lm	2.700 K	220°	120 × 157 mm	A+
LG12020NWO	E27	20 W	120 W	1.890 lm	4.000 K	220°	120 × 157 mm	A+

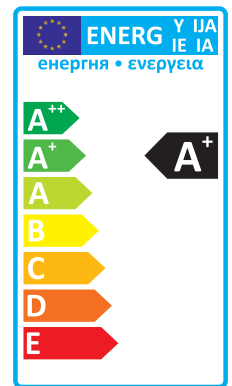
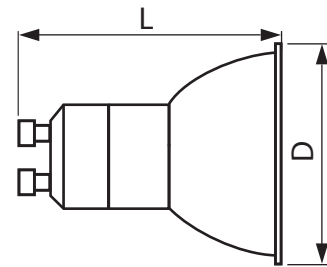




**LED spotlamps with frosted cover**



TRACON							D x L	
<b>SMDGU105W0</b>	GU10	5.5 W	35 W	410 lm	2.700 K	100°	50x55 mm	A+
<b>SMDGU105NW0</b>	GU10	5.5 W	35 W	420 lm	4.000 K	100°	50x55 mm	A+
<b>SMDGU105CW0</b>	GU10	5.5 W	35 W	430 lm	6.000 K	100°	50x55 mm	A+
<b>SMDGU107W0</b>	GU10	7.2 W	50 W	550 lm	2.700 K	100°	50x55 mm	A+
<b>SMDGU107NW0</b>	GU10	7.2 W	50 W	560 lm	4.000 K	100°	50x55 mm	A+
<b>SMDGU107CW0</b>	GU10	7.2 W	50 W	570 lm	6.000 K	100°	50x55 mm	A+
<b>SMDGU109W0</b>	GU10	9 W	70 W	800 lm	2.700 K	38°	50x55 mm	A+
<b>SMDGU109NW0</b>	GU10	9 W	70 W	800 lm	4.000 K	38°	50x55 mm	A+
<b>SMDGU109CW0</b>	GU10	9 W	70 W	800 lm	6.000 K	38°	50x55 mm	A+



**NEW LED DISPLAY**

**About availability  
please contact  
our sales  
representatives!!**

**LED power spot lamps**

<b>230</b> V AC	<b>12 V</b> AC/DC	<b>50/60 Hz</b>		<b>≥80</b> Ra	 <b>30.000</b> [h]	<b>ON-OFF</b> <b>&gt;15.000</b>	<b>SMD LED</b>	<b>Hg 0 mg</b>	 <b>T<sub>up</sub> &lt; 1s</b>	 <b>40°</b>
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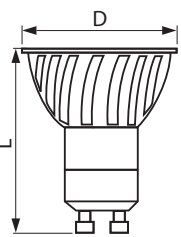
TRACON		U <sub>n</sub>				T <sub>c</sub> [K]		D × L	
<b>LMR165WW</b>	MR16/G5.3	12 V AC/DC	5 W	35 W	300 lm	2.700 K	40°	50 × 47 mm	A+
<b>LMR165CW</b>	MR16/G5.3		5 W	35 W	330 lm	6.500 K	40°	50 × 47 mm	A+
<b>LMR167WW</b>	MR16/G5.3		7 W	50 W	450 lm	2.700 K	40°	50 × 49 mm	A+
<b>LMR167CW</b>	MR16/G5.3		7 W	50 W	500 lm	6.500 K	40°	50 × 49 mm	A+
<b>LGU105WW</b>	GU10	230 V AC	5 W	35 W	300 lm	2.700 K	40°	50 × 50 mm	A+
<b>LGU105NW</b>	GU10		5 W	35 W	315 lm	4.000 K	40°	50 × 50 mm	A+
<b>LGU105CW</b>	GU10		5 W	35 W	330 lm	6.500 K	40°	50 × 50 mm	A+
<b>LGU107WW</b>	GU10		7 W	50 W	450 lm	2.700 K	40°	50 × 55 mm	A+
<b>LGU107NW</b>	GU10		7 W	50 W	475 lm	4.000 K	40°	50 × 55 mm	A+
<b>LGU107CW</b>	GU10		7 W	50 W	500 lm	6.500 K	40°	50 × 55 mm	A+
<b>LE145WW</b>	E14		5 W	35 W	300 lm	2.700 K	40°	50 × 74 mm	A+
<b>LE145CW</b>	E14	5 W	35 W	330 lm	6.500 K	40°	50 × 74 mm	A+	
<b>LE147WW</b>	E14	7 W	50 W	450 lm	2.700 K	40°	50 × 74 mm	A+	
<b>LE147CW</b>	E14	7 W	50 W	480 lm	6.500 K	40°	50 × 74 mm	A+	
<b>LE275WW</b>	E27	5 W	35 W	300 lm	2.700 K	40°	50 × 64 mm	A+	
<b>LE275CW</b>	E27	5 W	35 W	330 lm	6.500 K	40°	50 × 64 mm	A+	
<b>LE277WW</b>	E27	7 W	50 W	450 lm	2.700 K	40°	50 × 64 mm	A+	
<b>LE277CW</b>	E27	7 W	50 W	480 lm	6.500 K	40°	50 × 64 mm	A+	

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A<sup>+</sup>

A<sup>+</sup>  
A  
B  
C  
D  
E



**2 YEARS WARRANTY**



**COB LED lamps**

230 V AC	50/60 Hz		$Ra \geq 80$	30.000 [h]	ON-OFF >30.000	COB LED	Hg 0 mg	$T_{up} < 1s$	40°		<b>E/0</b>
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TRACON					$T_c$ [K]	$[\circ]$	D x L	
<b>COBGU105WW</b>	GU10	5 W	35 W	350 lm	2.700 K	40°	50 x 53 mm	A+
<b>COBGU105CW</b>	GU10	5 W	35 W	365 lm	6.500 K	40°	50 x 53 mm	A+
<b>COBGU107WW</b>	GU10	7 W	50 W	490 lm	2.700 K	40°	50 x 53 mm	A+
<b>COBGU107CW</b>	GU10	7 W	50 W	511 lm	6.500 K	40°	50 x 53 mm	A+
<b>COBDGU105WW*</b>	GU10	5 W	35 W	350 lm	2.700 K	40°	50 x 53 mm	A+
<b>COBDGU105CW*</b>	GU10	5 W	35 W	365 lm	6.500 K	40°	50 x 53 mm	A+

\* dimmable



**VCOB LED lamps**

230 V AC	50/60 Hz		$Ra \geq 80$	30.000 [h]	ON-OFF >15.000	SMD LED	Hg 0 mg	$T_{up} < 1s$	100°		
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TRACON					$T_c$ [K]	$[\circ]$	D x L	
<b>VCOB5WW</b>	GU10	5 W	35 W	350 lm	2.700 K	100°	50 x 55 mm	A+
<b>VCOB5NW</b>	GU10	5 W	35 W	360 lm	4.000 K	100°	50 x 55 mm	A+
<b>VCOB5CW</b>	GU10	5 W	35 W	370 lm	6.500 K	100°	50 x 55 mm	A+
<b>VCOB7WW</b>	GU10	7 W	50 W	490 lm	2.700 K	100°	50 x 55 mm	A+
<b>VCOB7NW</b>	GU10	7 W	50 W	500 lm	4.000 K	100°	50 x 55 mm	A+
<b>VCOB7CW</b>	GU10	7 W	50 W	510 lm	6.500 K	100°	50 x 55 mm	A+

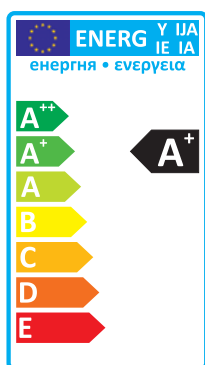
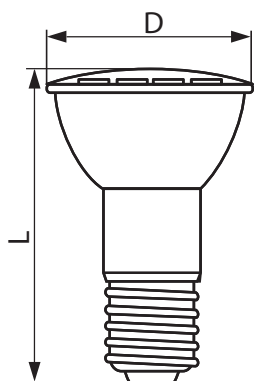




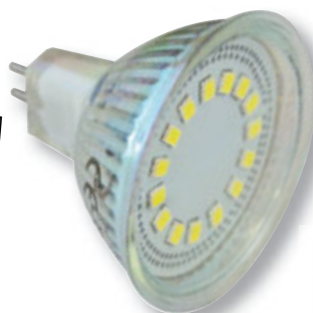
## SMD LED spot lamp (15 × LED)

230 V AC	12 V AC/DC	50/60 Hz		≥80	30.000 [h]	>15.000	SMD LED	Hg 0 mg	T <sub>up</sub> <1s	Pictograms	E/0
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TRACON		U <sub>n</sub>				T <sub>c</sub> [K]	[°]	D × L	Ei
SMD-E14-15-WW	E14	230 V AC	4 W	35 W	300 lm	3.000 K	120°	50 × 74 mm	A+
SMD-E14-15-CW	E14		4 W	35 W	320 lm	6.400 K	120°	50 × 74 mm	A+
SMD-E27-15-WW	E27		4 W	35 W	300 lm	3.000 K	120°	50 × 72 mm	A+
SMD-E27-15-CW	E27		4 W	35 W	320 lm	6.400 K	120°	50 × 72 mm	A+
SMD-GU10-15-WW	GU10		4 W	35 W	300 lm	3.000 K	120°	50 × 55 mm	A+
SMD-GU10-15-CW	GU10		4 W	35 W	320 lm	6.400 K	120°	50 × 55 mm	A+
SMD-GU10-15-NW	GU10		4 W	35 W	310 lm	4.000 K	120°	50 × 55 mm	A+
SMD-MR16-15-WW	MR16/G5.3	12 V	4 W	35 W	300 lm	3.000 K	120°	50 × 45 mm	A+
SMD-MR16-15-CW	MR16/G5.3	AC/DC	4 W	35 W	320 lm	6.400 K	120°	50 × 45 mm	A+



2 YEARS WARRANTY



SMD-MR16-15...

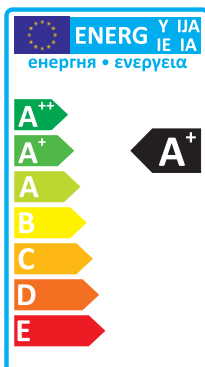
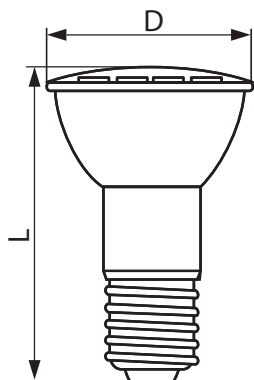


SMD-GU10-15...

## SMD LED spot lamp (12 × LED)

230 V AC	12 V AC/DC	50/60 Hz		≥80	30.000 [h]	>15.000	SMD LED	Hg 0 mg	T <sub>up</sub> <1s
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TRACON		U <sub>n</sub>				T <sub>c</sub> [K]	[°]	D × L	Ei
SMD-E14-12-WW	E14	230 V AC	3 W	20 W	210 lm	3.000 K	120°	50 × 74 mm	A+
SMD-E14-12-CW	E14		3 W	20 W	235 lm	6.400 K	120°	50 × 74 mm	A+
SMD-E27-12-WW	E27		3 W	20 W	210 lm	3.000 K	120°	50 × 72 mm	A+
SMD-E27-12-CW	E27		3 W	20 W	235 lm	6.400 K	120°	50 × 72 mm	A+
SMD-GU10-12-WW	GU10		3 W	20 W	210 lm	3.000 K	120°	50 × 55 mm	A+
SMD-GU10-12-CW	GU10		3 W	20 W	235 lm	6.400 K	120°	50 × 55 mm	A+
SMD-GU10-12-NW	GU10		3 W	20 W	210 lm	4.000 K	120°	50 × 55 mm	A+
SMD-MR16-12-WW	MR16/G5.3	12 V	3 W	20 W	210 lm	3.000 K	120°	50 × 45 mm	A+
SMD-MR16-12-CW	MR16/G5.3	AC/DC	3 W	20 W	235 lm	6.400 K	120°	50 × 45 mm	A+



2 YEARS WARRANTY



SMD-E14-12...

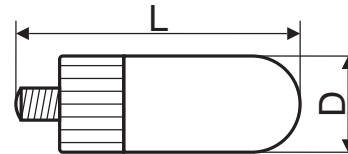


SMD-E27-12...

**Industrial LED lamps**

**Pictograms**
**E/0**

TRACON								<b>D × L</b>	
<b>LHPE2720NW</b>	E27	20 W	LED	150 W	1.600 lm	4.000 K	270°	70 × 142 mm	A
<b>LHPE2725NW</b>	E27	25 W	LED	200 W	2.000 lm	4.000 K	270°	70 × 178 mm	A
<b>LHPE4040NW</b>	E40	40 W	LED	350 W	3.600 lm	4.000 K	270°	105 × 250 mm	A
<b>LHPE4060NW</b>	E40	60 W	LED	500 W	4.500 lm	4.000 K	270°	125 × 254 mm	A
<b>LHPME4050NW</b>	E40	50 W	LED	500 W	5.000 lm	4.000 K	360°	100 × 290 mm	A+



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**2 YEARS WARRANTY**



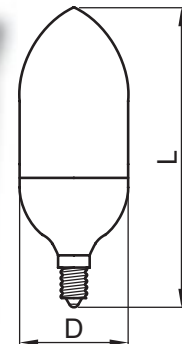
**LED lamps with candle shape**

**Pictograms**
**E/0**

TRACON								<b>D × L</b>	
<b>LGYT5W</b>	E14	5 W	LED	40 W	370 lm	2.700 K	250°	38 × 106 mm	A+
<b>LGY5W</b>	E14	5 W	LED	40 W	370 lm	2.700 K	250°	38 × 106 mm	A+
<b>LGY5W0</b>	E14	4.6 W	LED	40 W	400 lm	2.700 K	160°	37 × 103 mm	A+
<b>LGY7W0</b>	E14	7 W	LED	50 W	638 lm	2.700 K	160°	37 × 103 mm	A+
<b>LGY7NW0</b>	E14	7 W	LED	50 W	638 lm	4.000 K	160°	37 × 103 mm	A+
<b>LGY8W0</b>	E14	8 W	LED	60 W	720 lm	2.700 K	160°	37 × 103 mm	A+
<b>LGY8NW0</b>	E14	8 W	LED	60 W	720 lm	4.000 K	160°	37 × 103 mm	A+
<b>LGYD6W0*</b>	E14	6 W	LED	40 W	470 lm	2.700 K	240°	37 × 103 mm	A+
<b>LGYD6NW0*</b>	E14	6 W	LED	40 W	470 lm	4.000 K	240°	37 × 103 mm	A+

\* dimmable

**2 YEARS WARRANTY**



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**LED reflector lamps**

230 V AC	50/60 Hz		$Ra \geq 80$	[h] 30.000	ON-OFF >15.000	SMD LED	Hg 0 mg	$T_{up} < 1s$	Pictograms	<b>E/0</b>
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TRACON		[W]	LED	[lm]	Tc [K]	$[\circ]$	D x L	
LR507W	E14	7 W	40 W	470 lm	2.700 K	120°	50x84 mm	A+
LR507NW	E14	7 W	40 W	470 lm	4.000 K	120°	50x84 mm	A+
LR639W	E27	9 W	60 W	638 lm	2.700 K	120°	63x101 mm	A+
LR639NW	E27	9 W	60 W	638 lm	4.000 K	120°	63x101 mm	A+



**2 YEARS WARRANTY**

**Miniature LED light sources with E14 cap**

230 V AC	50/60 Hz		$Ra \geq 80$	[h] 25.000	ON-OFF >25.000	SMD LED	Hg 0 mg	$T_{up} < 1s$	Pictograms	<b>E/0</b>
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TRACON		[W]	LED	[lm]	Tc [K]	$[\circ]$	D x L	
LH4W	E14	4 W	25 W	320 lm	2.700 K	360°	16 x 50 mm	A+
LH4NW	E14	4 W	25 W	320 lm	4.000 K	360°	16 x 50 mm	A+



**LED lamps G9 socket**

TRACON							D x L	
LG92W	G9	2,5 W	10 W	120 lm	2.700 K	230°	16 x 42 mm	A+
LG92NW	G9	2,5 W	10 W	120 lm	4.000 K	230°	16 x 42 mm	A+
LG93W	G9	3 W	15 W	200 lm	2.700 K	160°	18 x 55 mm	A+
LG93SW	G9	3 W	15 W	180 lm	2.700 K	360°	14 x 51 mm	A+
LG93NW	G9	3 W	15 W	180 lm	4.000 K	360°	14 x 51 mm	A+
LG94W	G9	4 W	25 W	300 lm	2.700 K	360°	16 x 50 mm	A+
LG94NW	G9	4 W	25 W	300 lm	4.000 K	360°	16 x 50 mm	A+

**2 YEARS WARRANTY**

**LG92W**  
**LG93W**  
**LG9S3W**  
**LG9S4W**

**LED lamps G4 socket**

TRACON							D x L	
LG41,5W	G4	1,5 W	5 W	100 lm	2.700 K	360°	10 x 35 mm	A++
LG41,5NW	G4	1,5 W	5 W	100 lm	4.000 K	360°	10 x 35 mm	A++
LG42W	G4	2,2 W	10 W	180 lm	2.700 K	360°	16 x 42 mm	A++
LG42NW	G4	2,2 W	10 W	180 lm	4.000 K	360°	16 x 42 mm	A++
LG4K2W	G4	2 W	10 W	140 lm	2.700 K	180°	20 x 32 mm	A+
LG4K2NW	G4	2 W	10 W	140 lm	4.000 K	180°	20 x 32 mm	A+

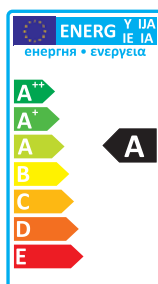
**2 YEARS WARRANTY**

**LG42W**  
**LG41,5W**  
**LG4K2W**

## LED lamps R7s socket

230 V AC	50/60 Hz		≥80	[h] 25.000	>30.000	SMD LED	Hg 0 mg	T <sub>up</sub> <1s	Pictograms	E/0
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TRACON		[W]	L E D	[lm]	T <sub>c</sub> [K]	[°]	L × W × H	
LR7S1188NW	R7s	8 W	70 W	750 lm	4.100 K	140°	118×54×35 mm	A
LR7S18914NW	R7s	14 W	100 W	1.050 lm	4.100 K	140°	189×54×35 mm	A



## LED tubes

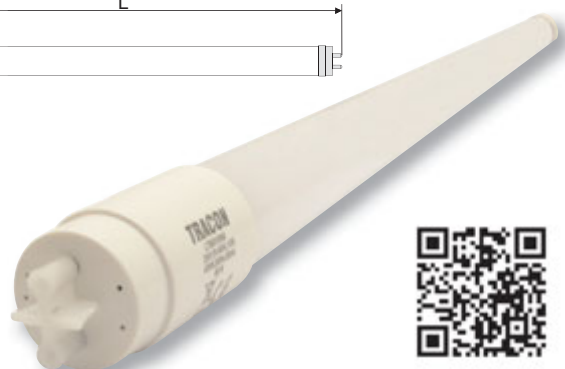
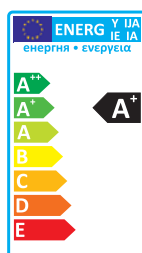
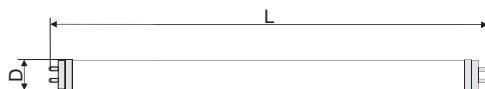
100-250 V AC	50/60 Hz	[h] 25.000		≥80	>15.000	SMD LED	Hg 0 mg	T <sub>up</sub> <1s	
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TRACON	[W]	L E D	[lm]	T <sub>c</sub> [K]	[°]	D × L	
LT86010WW	10 W	18 W	900 lm	2.700 K	190°	30×600 mm	A+
LT86010NW	10 W	18 W	900 lm	4.000 K	190°	30×600 mm	A+
LT86010CW	10 W	18 W	900 lm	6.000 K	190°	30×600 mm	A+
LT812018WW	18 W	36 W	1.620 lm	2.700 K	190°	30×1200 mm	A+
LT812018NW	18 W	36 W	1.620 lm	4.000 K	190°	30×1200 mm	A+
LT812018CW	18 W	36 W	1.620 lm	6.000 K	190°	30×1200 mm	A+
LT815024WW	24 W	58 W	2.160 lm	2.700 K	190°	30×1500 mm	A+
LT815024NW	24 W	58 W	2.160 lm	4.000 K	190°	30×1500 mm	A+
LT815024CW	24 W	58 W	2.160 lm	6.000 K	190°	30×1500 mm	A+

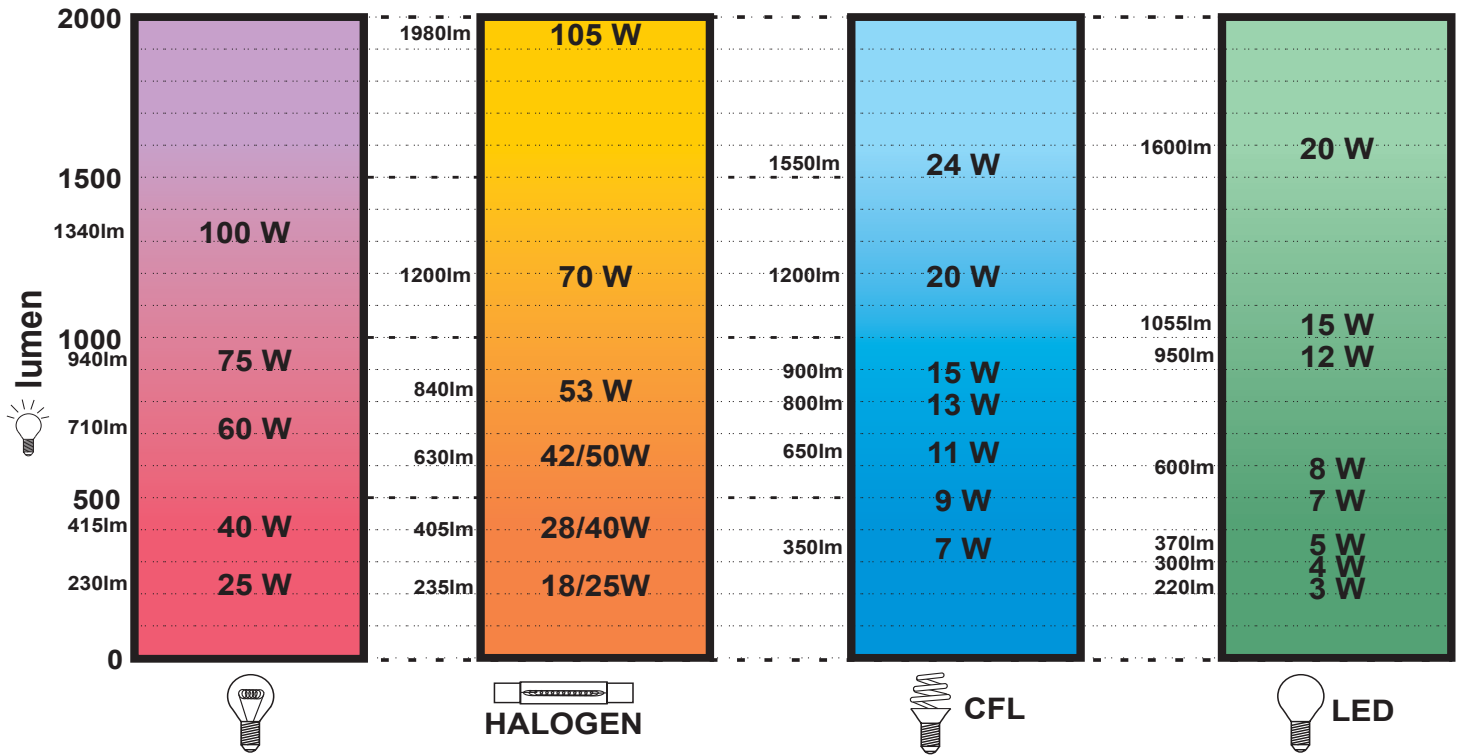
The T8 type LED tubes are suited to replacement of the traditional T8 type fluorescent tubes without big modification of the luminaires.

The LED tubes can be placed into luminaires with electronic ballast without any additional part; for luminaires with magnetic ballast an additional short-circuit part has to be used instead of the starter (for tube included).

For luminaires with magnetic ballast a special fuse have to be installed instead of starter, this fuse is shipped with the tube.

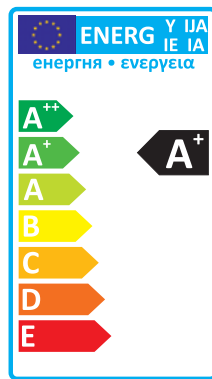


**Comparing the lumen of different type of light sources:**



**Legend**

- Energy label: Our compact fluorescent tubes meet the requirements of "A" energy class (except G24d)
- $t_{up} < 60s$ ; 60%lm: Warm-up time up to 60 % of the full light output
- Ra: color rendering index (100: black body radiator)
- ON-OFF: Number of switching cycles before premature lamp failure
- Hg: mercury content of lamp
- cosφ: lamp power factor



- $t_{up} < 60s$
- 60% Lm
- $Ra > 82$
- ON - OFF >10.000
- Hg < 2,5 mg
- cosφ > 0,55
- L = 112 mm
- W = 36 mm



**Fitlamp**

- 230 V AC
- 50/60 Hz
- Recycling symbol
- $Ra \geq 80$
- $T_{up} < 60s$
- Hg < 2,5 mg

**Pictograms** E/O

TRACON E27 18 W 1.070 lm 2.700 K 150 mA 6.000 h >8.000 55 99 A





**Compact fluorescent lamps, 2U, 3U, 4U**

230 V AC    50/60 Hz             Hg < 2,5 mg

**Pictograms**    **E/0**

TRACON					$I_n$			D (mm)	L (mm)	
<b>TLKF-2U-E27-14W</b>	E27	14 W	810 lm	2.700 K	100 mA	6000 h	>8000	45	156	A
<b>TLKF-4U-E27-9W</b>	E27	9 W	550 lm	2.700 K	65 mA	8000 h	>10000	48	100	A
<b>TLKF-4U-E27-11W</b>	E27	11 W	650 lm	2.700 K	80 mA	8000 h	>10000	48	105	A
<b>TLKF-HPN-E27-35W</b>	E27	35 W	2.285 lm	4.000 K	170 mA	6.000 h	>8.000	66	227	A
<b>TLKF-13-4P*</b>	G24q	13 W	780 lm	4.000 K	–	8000 h	>10000	33	99	A
<b>TLKF-26-4P*</b>	G24q	26 W	1.550 lm	4.000 K	–	8000 h	>10000	33	130	A

\* Can be operated by electronic ballast!

ENERGY LABEL

Y IJA IE IA

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A+ A A B C D E

**A**

**Compact fluorescent lamps, short spiral**

230 V AC    50/60 Hz             Hg < 2,5 mg

**Pictograms**    **E/0**

TRACON					$I_n$			D (mm)	L (mm)	
<b>TLKF-RS-E27-15W</b>	E27	15 W	900 lm	2.700 K	105 mA	8000 h	>8000	45	112	A
<b>TLKF-RS-E27-20W</b>	E27	20 W	1200 lm	2.700 K	150 mA	8000 h	>8000	55	115	A
<b>TLKF-RS-E27-24W</b>	E27	24 W	1550 lm	2.700 K	180 mA	8000 h	>8000	55	125	A
<b>TLKF-RSN-E27-15W</b>	E27	15 W	900 lm	4.000 K	105 mA	8000 h	>8000	45	112	A
<b>TLKF-RSN-E27-20W</b>	E27	20 W	1200 lm	4.000 K	150 mA	8000 h	>8000	55	115	A
<b>TLKF-RSN-E27-24W</b>	E27	24 W	1550 lm	4.000 K	180 mA	8000 h	>8000	55	125	A

ENERGY LABEL

Y IJA IE IA

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A+ A A B C D E

**A**

**Compact fluorescent lamps, globe (GL), pear (GLH)**

230 V AC   50/60 Hz      $Ra \geq 80$     $T_{up} < 60s$    Hg < 2,5 mg

**Pictograms**   **E/0**

TRACON					$I_n$			D (mm)	L (mm)	
<b>TLKF-GL-E14-9W</b>	E14	9 W	405 lm	2.700 K	65 mA	8000 h	>8000	60	99	A
<b>TLKF-GL-E27-9W</b>	E27	9 W	405 lm	2.700 K	65 mA	8000 h	>8000	60	96	A
<b>TLKF-GLH-E14-11W</b>	E14	11 W	535 lm	2.700 K	80 mA	8000 h	>8000	50	112	A
<b>TLKF-GLH-E27-11W</b>	E27	11 W	535 lm	2.700 K	80 mA	8000 h	>8000	50	109	A

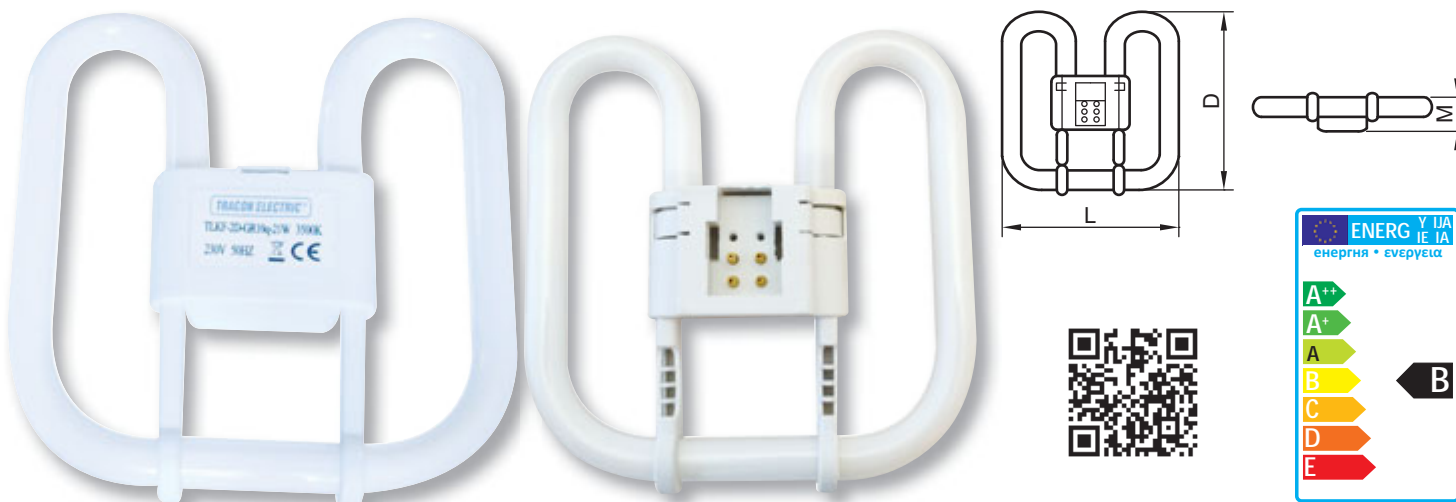


**Compact fluorescent lamps with GR10q cap (2D)**

230 V AC   50/60 Hz      $Ra \geq 80$     $T_{up} < 60s$    Hg < 2,5 mg

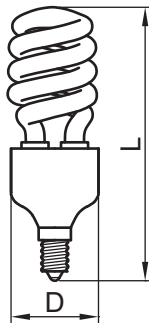
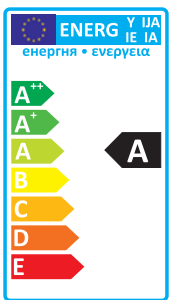
**Pictograms**   **E/0**

TRACON					$I_n$			M (mm)	D (mm)	L (mm)	
<b>TLKF-2D-GR10Q-10W</b>	GR10q	10 W	650 lm	3.500 K	65 lm/W	8000 h	>8000	20	140	140	B
<b>TLKF-2D-GR10Q-16W</b>	GR10q	16 W	1056 lm	3.500 K	66 lm/W	8000 h	>8000	20	148	148	B
<b>TLKF-2D-GR10Q-21W</b>	GR10q	21 W	1344 lm	3.500 K	64 lm/W	8000 h	>8000	20	148	148	B
<b>TLKF-2D-GR10Q-28W</b>	GR10q	28 W	2044 lm	3.500 K	73 lm/W	8000 h	>8000	20	212	212	B
<b>TLKF-2D-GR10Q-38W</b>	GR10q	38 W	2698 lm	3.500 K	71 lm/W	8000 h	>8000	20	212	212	B



### Compact fluorescent lamps, mini spiral

TRACON							$I_n$			D (mm)	L (mm)	
TLKF-MS-E14-7W	E14	7 W	320 lm	2.700 K	50 mA	8000 h	>10000	32	90	A		
TLKF-MS-E14-9W	E14	9 W	450 lm	2.700 K	65 mA	8000 h	>10000	32	95	A		
TLKF-MS-E14-11W	E14	11 W	550 lm	2.700 K	80 mA	8000 h	>10000	36	105	A		
TLKF-MS-E27-7W	E27	7 W	320 lm	2.700 K	50 mA	8000 h	>10000	32	90	A		
TLKF-MS-E27-9W	E27	9 W	450 lm	2.700 K	65 mA	8000 h	>10000	32	95	A		
TLKF-MS-E27-15W	E27	15 W	800 lm	2.700 K	105 mA	8000 h	>10000	36	112	A		
TLKF-MS-GU10-7W	GU10	7 W	320 lm	2.700 K	50 mA	8000 h	>10000	32	80	A		
TLKF-MSN-E14-11W	E14	11 W	550 lm	4.000 K	80 mA	8000 h	>10000	36	105	A		
TLKF-MSN-E14-15W	E14	15 W	800 lm	4.000 K	105 mA	8000 h	>10000	36	112	A		
TLKF-MSN-GU10-11W	GU10	11 W	550 lm	4.000 K	80 mA	8000 h	>10000	32	105	A		
TLKF-E14-13-KS	E14	13 W	720 lm	2.700 K	95 mA	6000 h	>8000	42	127	A		
TLKF-E27-15-KS	E27	15 W	800 lm	2.700 K	105 mA	6000 h	>8000	42	135	A		



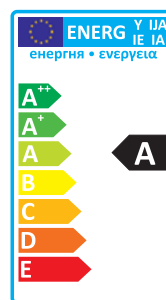
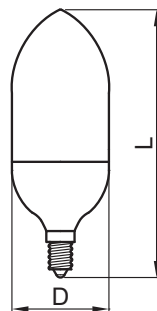
### Compact fluorescent lamps, candle (GY)

TRACON							$I_n$			D (mm)	L (mm)	
TLKF-GY-E14-9W	E14	9 W	440 lm	2.700 K	65 mA	8000 h	>10000	37	112	A		

#### LED lamps with candle shape

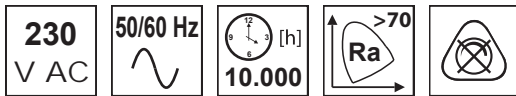


E/64

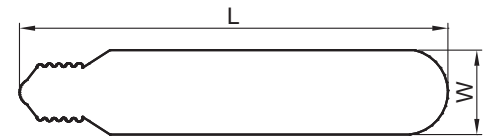




**Metal halide lamps**



TRACON			L (mm)	W (mm)	Tc [K]		
<b>FHL-R7S-70W</b>	R7XS	70 W	120	20	6.000 K	5.600 lm	A
<b>FHL-R7S-150W</b>	R7XS	150 W	138	23	6.000 K	11.250 lm	A
<b>FHL-E27-70W</b>	E27	70 W	141	55	6.000 K	5.600 lm	A
<b>FHL-E27-150W</b>	E27	150 W	141	55	6.000 K	11.250 lm	A
<b>FHL-E40-250W</b>	E40	250 W	257	46	6.000 K	20.500 lm	A
<b>FHL-E40-400W</b>	E40	400 W	283	46	6.000 K	38.000 lm	A



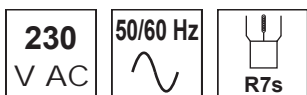
**Halogen line bulbs ("C" energy class)**



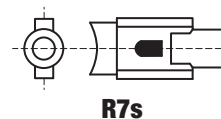
TRACON		In				Tc [K]		
<b>THV1C-J100</b>	100 W	0,43 A	1.800 lm	2.000 h	>2.000	2.900 K	78 mm	C
<b>THV1C-J120</b>	120 W	0,53 A	2.200 lm	2.000 h	>2.000	2.900 K	78 mm	C
<b>THV2C-J200</b>	200 W	0,87 A	4.000 lm	2.000 h	>2.000	2.900 K	118 mm	C
<b>THV2C-J230</b>	230 W	1 A	4.700 lm	2.000 h	>2.000	2.900 K	118 mm	C
<b>THV2C-J330</b>	330 W	1,43 A	7.000 lm	2.000 h	>2.000	2.900 K	118 mm	C
<b>THV2C-J400</b>	400 W	1,74 A	8.600 lm	2.000 h	>2.000	2.900 K	118 mm	C
<b>THV3C-J750</b>	750 W	3,26 A	16.900 lm	2.000 h	>2.000	2.900 K	189 mm	C



**R7s sockets for halogen line bulbs**



TRACON		
<b>THF-C</b>	Porcelain base (2 pcs)	150 mm

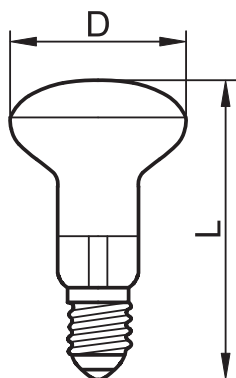


**Reflector lamps**

230 V AC 50/60 Hz Ra=100 Hg 0 mg

Pictograms **E/0**

TRACON							<b>D (mm)</b>	<b>L (mm)</b>	
<b>TLRL-R50-E14-25-F</b>	<b>TLRL-R50-E14-25</b>	25 W	E14	1.000 h	>2.000	2.700 K	50	85	F
-	<b>TLRL-R63-E27-40</b>	40 W	E27	1.000 h	>2.000	2.700 K	63	100	F

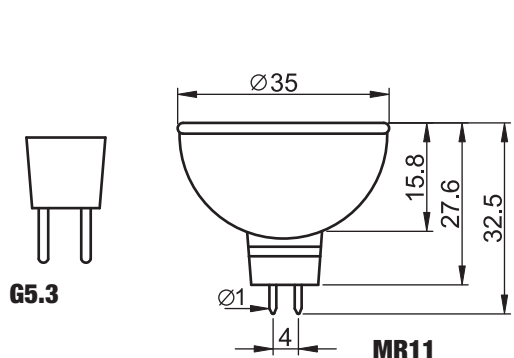


**Low voltage halogen lamps with dichroic mirror**

12 V AC/DC Ra=100 Hg 0 mg G5.3

Pictograms **E/0**

TRACON								
<b>MR11-35</b>	MR11	35 W	G5.3	2.000 h	>2.000	2.700 K	40°	C
<b>MR16-20</b>	MR16	20 W	G5.3	2.000 h	>2.000	2.700 K	30°	C
<b>MR16-35</b>	MR16	35 W	G5.3	2.000 h	>2.000	2.700 K	30°	C
<b>MR16-50</b>	MR16	50 W	G5.3	2.000 h	>2.000	2.700 K	30°	C



**SCAN THE QR CODE!**

- Check our new products
- Be updated

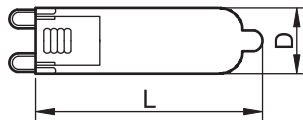
**Our assortment is expanding quickly and continuously! Our catalogue shows the assortment of January 2017. Be up to date by our web page!**

**Small size halogen bulbs**

230 V AC   50/60 Hz       Hg 0 mg

**Pictograms**   **E/O**

TRACON						<b>D (mm)</b>	<b>L (mm)</b>		
<b>TLWI-G9-60-F</b>		G9	2.000 h	>2.000	2.700 K	14	40	3	F
<b>TLWI-G9C-18</b>		G9	2.000 h	>2.000	2.700 K	14	40	1	C
<b>TLWI-G9C-28</b>		G9	2.000 h	>2.000	2.700 K	14	40	1	C



**Ceramic socket for low voltage lamps**



G5.3



12 V AC/DC       **Pictograms**   **E/O**

TRACON			
<b>TG-5.5</b>	G5.3	MR11, MR16	100 mm

**Ceramic socket for 230 V halogen lamps**



GU-10



230 V AC     **Pictograms**   **E/O**

TRACON		
<b>TGU-10</b>	GU10	100 mm

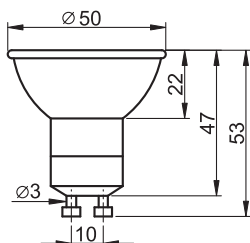
**Halogen lamps with dichroic mirror for 230 V**



230 V AC       Hg 0 mg  

**Pictograms**   **E/O**

TRACON								
<b>MR230-20</b>	JDR+A	20 W	GU10	2.000 h	>2.000	2.700 K	45°	C
<b>MR230-35</b>	JDR+A	35 W	GU10	2.000 h	>2.000	2.700 K	45°	C
<b>MR230-50</b>	JDR+A	50 W	GU10	2.000 h	>2.000	2.700 K	45°	C



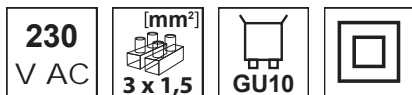
GU-10

**RELEVANT STANDARD  
EN 61549**





## Network adaptor for MR230 lamps

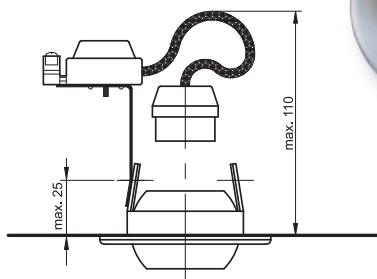


**TAGU-10** MR230 50 W

With help of this adaptor, recessed fittings for lamps with dichroic mirror can be supplied from 230 V power supply according to standards.

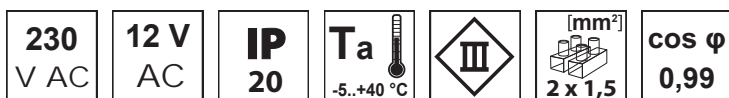
The supply wire conductors have to be connected to the screw terminals of the adaptor and the supply wire has to be fixed with the clamp.

The adaptor can be fixed to the housing with the spring element of the fitting.

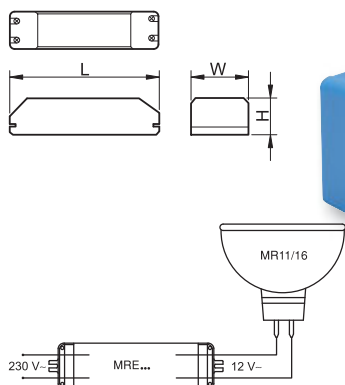


**RELEVANT STANDARD  
EN 60061**

## Electronic power supply unit



TRACON			L (mm)	W (mm)	H (mm)
<b>MRE-50</b>		0 W ... 70 W	113	44	28
<b>MRE-105</b>		0 W ... 105 W	113	44	28
<b>MRE-150</b>	MR11 / MR16	50 W ... 150 W	220	48	38
<b>MRE-200</b>		70 W ... 200 W	220	48	38
<b>MRE-250</b>		85 W ... 250 W	220	48	38



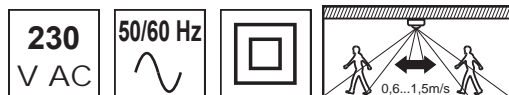
**TRACON**  
.....ELECTRIC®

**Key to electricity**

Tracon Key to electricity



**Infrared type motion sensors**



TRACON	[°]	lux		IP..	L x W x H (mm)
<b>TMB-108</b>	180°	3-2000 lux	10 s ... 7 min.	IP 44	82×104×72
<b>TMB-112</b>	180°	3-2000 lux	10 s ... 7 min.	IP 44	91×84×63
<b>TMB-112F</b>	180°	3-2000 lux	10 s ... 7 min.	IP 44	91×84×63
<b>TMB-115</b>	180°	3-2000 lux	10 s ... 7 min.	IP 65	80×117×51
<b>TMB-118</b>	360°	3-2000 lux	10 s ... 15 min.	IP 44	119×60×79
<b>TMB-016</b>	180°	3-2000 lux	10 s ... 7 min.	IP 44	120×78×28
<b>TMB-060</b>	160°	3-2000 lux	10 s ... 7 min.	IP 20	80×80×34
<b>TMB-061</b>	360°	3-2000 lux	10 s ... 15 min.	IP 20	∅ 76×76
<b>TMB-061M</b>	360°	3-2000 lux	10 s ... 15 min.	IP 20	∅ 50×67
<b>TMB-E50</b>	120°	3-2000 lux	10 s ... 5 min.	IP 20	∅ 64,5×127
<b>TMB-DA</b>	120°	3-2000 lux	10 s ... 7 min.	IP 20	98×81×45
<b>TMB-011</b>	360°	3-2000 lux	10 s ... 7 min.	IP 20	∅ 88×42
<b>TMB-011L</b>	360°	3-2000 lux	10 s ... 15 min.	IP 20	∅ 115×24

**Rated switchable power**

TRACON	TMB-108	TMB-112	TMB-112F	TMB-115	TMB-118	TMB-016	TMB-060
	1.000 W	1.000 W	1.000 W	1.000 W	1.200 W	1.200 W	1.000 W
HALOGEN	800 W	800 W	800 W	800 W	800 W	800 W	800 W
CFL	300 W	300 W	300 W	300 W	300 W	300 W	300 W
LED	300 W	300 W	300 W	300 W	300 W	300 W	300 W
h <sub>t</sub>	1,8 - 2,5	1,8 - 2,5	1,8 - 2,5	1,8 - 2,5	1,8 - 2,5	1,8 - 2,5	1 - 1,8 m
L <sub>s</sub>	<12 m	<12 m	<12 m	<12 m	<12 m	<12 m	<9 m

**Rated switchable power**

TRACON	TMB-061	TMB-061M	TMB-E50	TMB-DA	TMB-011	TMB-011L
	1.100 W	800 W	60 W	1.200 W	1.200 W	2.000 W
HALOGEN	900 W	600 W	60 W	800 W	800 W	1.500 W
CFL	300 W	400 W	30 W	300 W	300 W	1.000 W
LED	300 W	400 W	30 W	300 W	300 W	1.000 W
h <sub>t</sub>	2,2 - 4 m	2,2 - 4 m	2 - 3,5 m	1 - 1,8 m	2,2 - 4 m	2,2 - 4 m
L <sub>s</sub>	<6 m	<6 m	<6 m	<2 - 9 m	<6 m	<6 m

The passive infrared motion sensors (PIR) are sensing the shift of heat emitted by creatures and in case of appropriate value of shift the relay inside of sensor switch. Because of this operational method the sensor have to see the moving object otherwise the relay will not switch.

The sensitivity of device for transverse movements is higher, for opposite movements is smaller so the devices including one sensor are recommended to install parallel with the expected direction of motion.





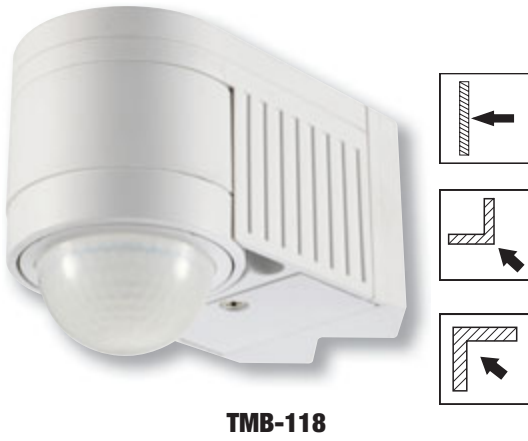
**TMB-108**



**TMB-112**



**TMB-112F**



**TMB-118**



**TMB-016**



**TMB-060**



**TMB-061M**



**TMB-DA**



**TMB-E50**



**TMB-061**



**TMB-011**



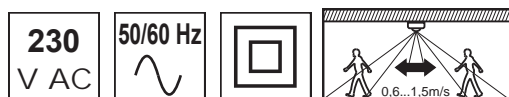
**TMB-115**



**TMB-011L**



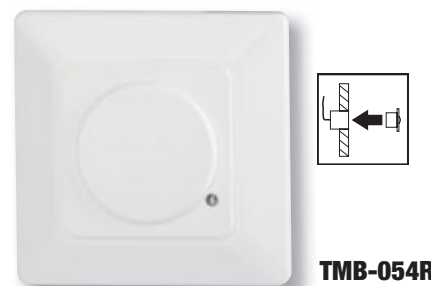
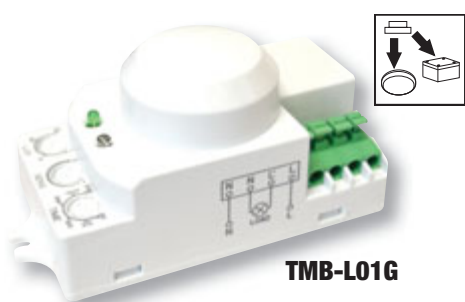
**Radar (microwave) type motion sensors**



TRACON	[°]	lux		IP..	L x W x H (mm)
<b>TMB-L01G</b>	360°	3-2000 lux	10 s ... 12 min.	IP 20	81×42×44
<b>TMB-L01D</b>	360°	3-2000 lux	10 s ... 12 min.	IP 20	58×41×26
<b>TMB-L01M</b>	360°	3-2000 lux	10 s ... 12 min.	IP 20	56×40×23
<b>TMB-L01DIMM</b>	360°	3-2000 lux	5 s ... 30 min.	IP 20	78×45×26
<b>TMB-152R</b>	180°	3-2000 lux	10 s ... 12 min.	IP 44	86×60×79
<b>TMB-054R</b>	180°	3-2000 lux	10 s ... 12 min.	IP 20	80×80×32
<b>TMB-061R</b>	360°	3-2000 lux	10 s ... 12 min.	IP 20	∅ 76×76
<b>TMB-ME51</b>	360°	3-2000 lux	10 s ... 12 min.	IP 20	71×50×82

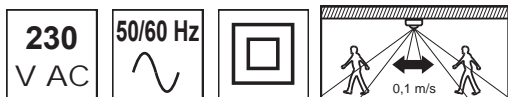
**Rated switchable power**

TRACON	TMB-L01G	TMB-L01D	TMB-L01M	TMB-L01DIMM	TMB-152R	TMB-054R	TMB-061R	TMB-ME51
	1.200 W	500 W	1.200 W	600 W	1.200 W	1.200 W	1.200 W	60 W
HALOGEN	1.000 W	400 W	800 W	300 W	800 W	800 W	800 W	60 W
CFL	300 W	200 W	300 W	200 W	300 W	300 W	300 W	30 W
LED	300 W	200 W	300 W	200 W	300 W	300 W	300 W	30 W
h <sub>t</sub>	1,5 - 8 m	1,5 - 8 m	1,5 - 8 m	1,5 - 8 m	1,5 - 3,5 m	1,5 - 1,8 m	1,5 - 3,5 m	2 - 4 m
L <sub>s</sub>	1 - 8 m	1 - 8 m	1 - 8 m	1 - 8 m	1 - 15 m	1 - 15 m	1 - 8 m	1 - 5 m



The radar type motion sensors are sensing the reflection of emitted microwave sign from all moving object so if the reflected sign changes because of a moving object the integrated relay switch. The technology has the advantage that the device can do sensing trough thin non-metallic objects (e.g. glass, plastic, Rigips wall) so these sensors can be installed inside luminaries, plastic boxes or behind glass plates. But because of this property the sensitivity of device have to be adjusted carefully!

**Presence sensor**

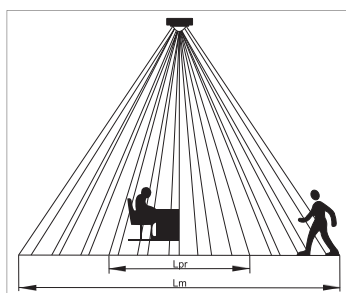


TRACON	$[\text{°}]$	lux		IP..	L x W x H (mm)
PRS46B	360°	3-2000 lux	10 s...30 min.	IP 20	102x102x58

**Rated switchable power**

TRACON	PRS46B
	1.200 W
HALOGEN	1.000 W
CFL	300 W
LED	300 W
h <sub>t</sub>	2,2 - 6 m
L <sub>s</sub>	< 20 m

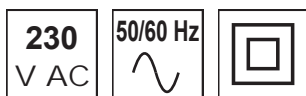
This device can sense the smallest motion of human body so in places where people are standing still for longer time (e.g. WC, office) it is applicable well for lighting control.



PRS46B



**Twilight sensors**



TRACON	I <sub>n</sub>	lux	ON - t <sub>off</sub>	IP..	L x W x H (mm)
ALK-OUT	10 A	5-50 lux	-	IP 44	∅ 82x108
ALK-BOX	16A	2-100 lux	-	IP 20	90x35x66
ALK-IN	5 A	2-100 lux	1-8 h, OFF	IP 44	109x70x40
ALK-472	1 A (100 W)	5-15 lux	1 -12 h, OFF	IP 20	∅ 52x89
ALK110	-	-	-	IP 20	-

**Rated switchable power**

TRACON	ALK-OUT	ALK-BOX	ALK-IN	ALK-472
	300 W	500 W	900 W	100 W
HALOGEN	200 W	300 W	500 W	100 W
CFL	100 W	120 W	200 W	50 W
LED	100 W	120 W	200 W	50 W

All twilight sensors have a special operation method. After first energizing they make a ON-OFF self test cycle, the normal operation is available after 15 s – 1 min delay of this self-test cycle.



ALK-BOX



ALK-IN



ALK-OUT



ALK-472



ALK110

