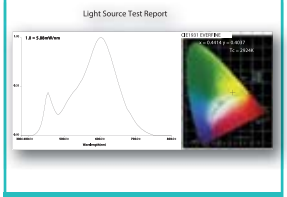
Pictograms of the table head

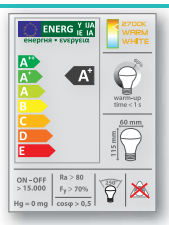
- Notes, additions
- Tc [K] Colour temperature (Kelvin)
- L E D Substitution of traditional light bulbs
- L E D Substitution of fluorescent tubes
- [h] Bridging time
- lux Illumination (lux)
- Cutting size (mm)
- 180° Rotating lamp body
- Ipr Primary current
- Un Raged voltage (V)
- [W] Rated power
- L E D Substitution of compact fluorescent lamps
- In Rated current (A)
- on toff Delay time
- Number of clips
- C (µF) Electric capacity
- side protective contacts
- + Ah - Battery capacity (Ah)
- Isec Upper secondary voltage limit
- Type of socket
- L E D Number of LED's (pcs)
- L E D Substitution of metal halide lamps
- H D Column height and diameter (mm)
- [h] Lifespan
- Colour of cover
- [°] Light beam angle (°)
- male protective contact
- + V - Battery voltage (V)
- [lm] Light flux (lumen)
- Ei Energy efficiency class
- L E D Substitution of halogen light bulbs
- IP.. Protection degree
- η% Efficiency
- pcs Packing
- H L W Dimensions (L × W × H)
- Colour
- + - Battery type

Pictograms of the technical data

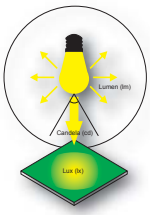
- 90-265 V AC Raged voltage (V)
- Lamp bodies to be installed on ceilings
- 50/60 Hz Rated frequency
- 3 x 1,5mm² 30 cm Connecting cable
- [h] 50.000 Lifespan
- Not to be used with dimmer control
- Cutting allowed
- 3-2.000 lux Illumination (lux)
- EVG With electrinic ballast
- 180° Detection range
- Protection class: I.
- Lamp bodies for indoor lighting
- Lamp bodies to be installed on side walls
- [mm²] 2 x 1,5 Terminal capacity
- VVG With magnetic ballast
- Ta -5..+40 °C Ambient temperature
- ON-OFF >30.000 Number of switching cycles
- Dimmer control allowed
- Sensor
- E27 Type of socket
- Protection class: II.
- Lamp bodies for indoor and outdoor lighting
- Lamp bodies to be installed on ceilings or side walls
- 3 x 1 mm² H05VV-F Connecting cable
- SMD LED LED type
- 10s–12min Adjusting time
- [m] 1 Minimum distance from illuminated object
- Hg 0 mg Mercury content
- Remote control
- G13 Type of socket
- III Protection class: III.
- Lamp bodies for outdoor lighting
- Lamp bodies to be recessed into false ceilings
- IP 65 Protection degree
- Light source not to be changed
- ≥80 Ra Color rendering index
- 250° Light beam angle
- Tup<1s Running-up time
- 0,6...1,5m/s Motion speed
- R7s Type of socket



Light technique laboratory 2



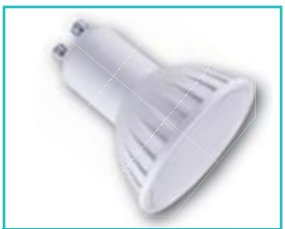
Legend of data on color boxes 3



Normal globe form LED lamps 4

Normal globe form 5

LED lamps with candle shape 6



LED spotlamps with frosted cover 7

VCOB LED lamps 7

SMD LED spot lamp (15 × LED) 8

Industrial LED lamps 9

LED reflector lamps 10

Miniature LED light sources with E14 cap 10

LED lamps G9 socket 11

LED lamps G4 socket 11

Replacement LED module for luminaires 12

LED tubes 13

LED stripes 14

LED stripe sets 15

Miniature LED controls 15

RGB LED controls 16

Power repeater for RGB LED stripes 16

LED drivers 16

Aluminum profiles for LED stripes 17

LED stripe accessories 17

Metal halide lamps 18

Halogen line bulbs ("C" energy class) 18

Reflector lamps 19

Low voltage halogen lamps with dichroic mirror 19

Small size halogen bulbs 20

Ceramic socket for 230 V halogen lamps 20

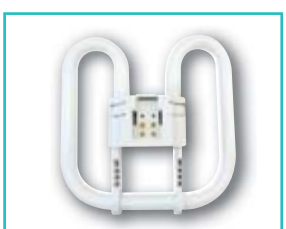
Halogen lamps with dichroic mirror for 230 V 20

Network adaptor for GU10 lamps 21

Electronic power supply unit 21

Fitlamp 22

Compact fluorescent lamps, short spiral 22



Compact fluorescent lamps with GR10q cap (2D) 23

E2

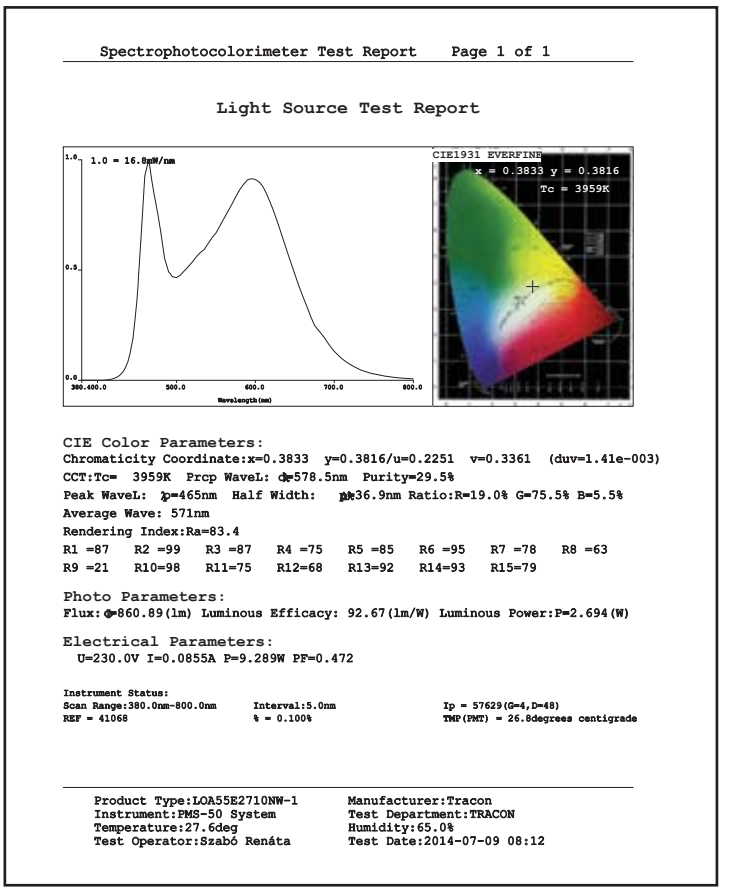
Light technique laboratory

Thanks to its Light Technique Laboratory, Tracon Budapest Ltd. can ensure the good quality of the light sources the company distributes since 2008. We realized in this laboratory sample testings of all light sources we offer to our partners.

Ulbricht globe:

We can realize the full photo-spectrum analysis of the light sources with this measuring unit. We measure the following properties of the lamps:

- the luminous flux (lumen)
- the color temperature (K)
- the efficiency (lumen/W)
- the power and current
- the color rendering index
- the operation temperature



Spectrophotocolorimeter Test Report Page 1 of 1

Light Source Test Report

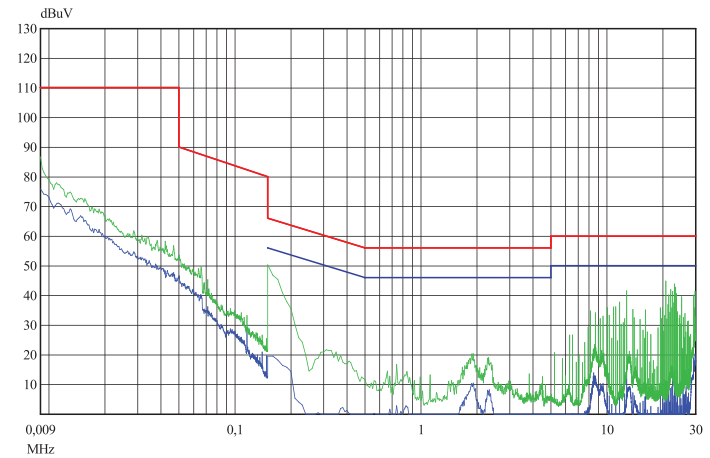
CIE Color Parameters:
Chromaticity Coordinate:x=0.3833 y=0.3816/u=0.2251 v=0.3361 (duv=1.41e-003)
CCT:Tc= 3959K Prcp WaveL: d=578.5nm Purity=29.5%
Peak WaveL: p=465nm Half Width: 36.9nm Ratio:R=19.0% G=75.5% B=5.5%
Average Wave: 571nm
Rendering Index:Ra=83.4
R1 =87 R2 =99 R3 =87 R4 =75 R5 =85 R6 =95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

Photo Parameters:
Flux: =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

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



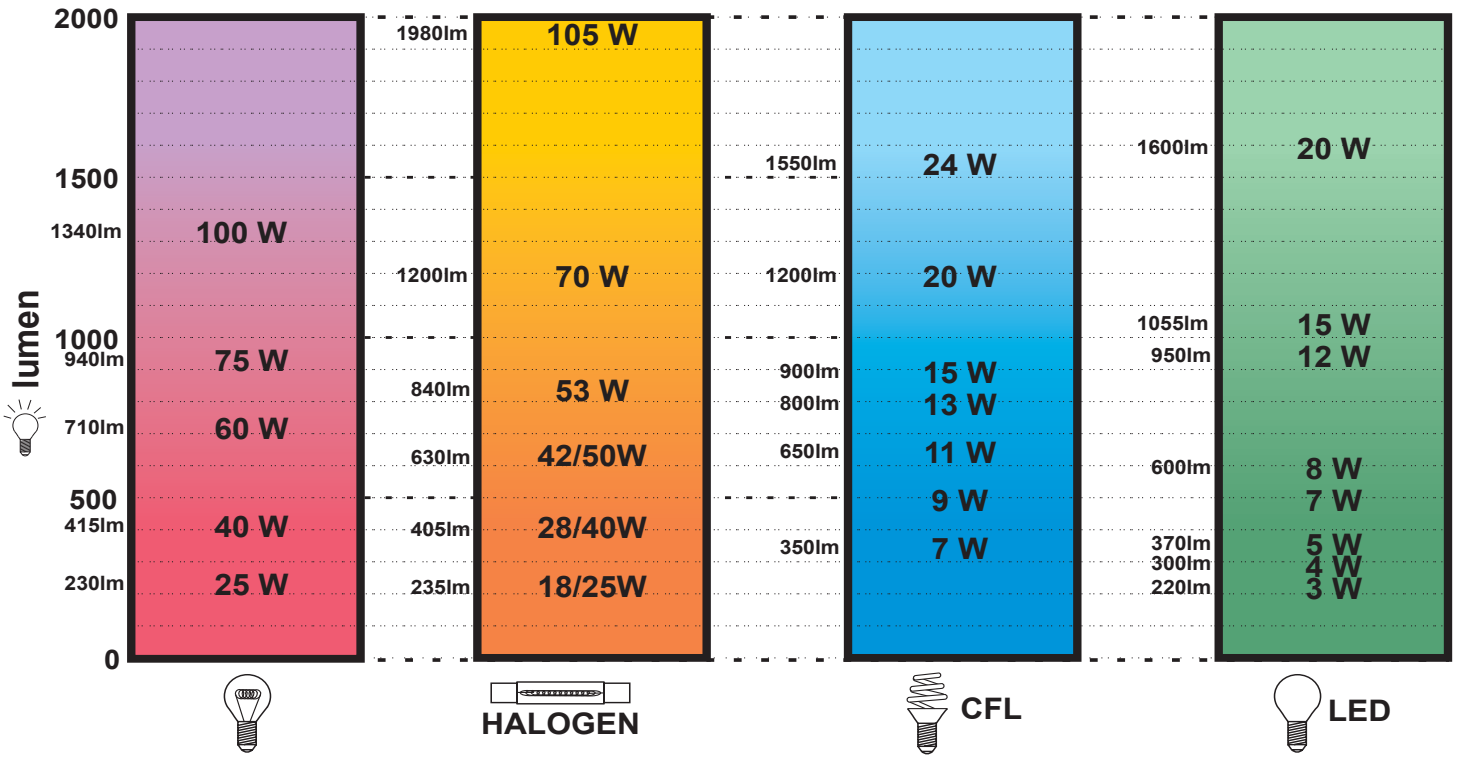
EMC testing device:

At EMC testing we check the radiofrequency disturbances of light sources according to the EN 55015 standard. These disturbances can appear in the public electric network and could disturb the sensitive devices like radio or TV. The measuring covers the 0,09 - 30 MHz range.

Lifetime test wall:

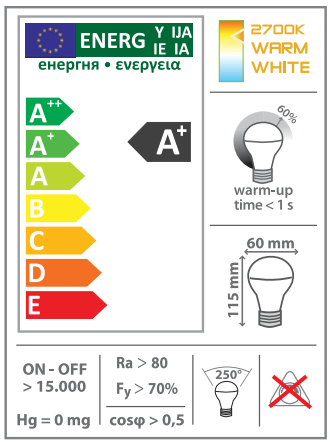
30 pcs light source can be tested together according to the standard operation sequence. During the test we also analyse the current output of light sources.

Comparing the lumen of different type of light sources:



Legend

Energy label:	our LED light sources are in "A++,A+ and A" energy class
warm up time:	Warm-up time up to 60 % of the full light output
Ra:	color rendering index (100%: black body)
ON-OFF:	Number of switching cycles before premature failure;
Hg:	Mercury content
cosφ:	lamp power factor
Fy:	Lumen maintenance factor at the end of the nominal life
250°:	beam angle



Light sources cap

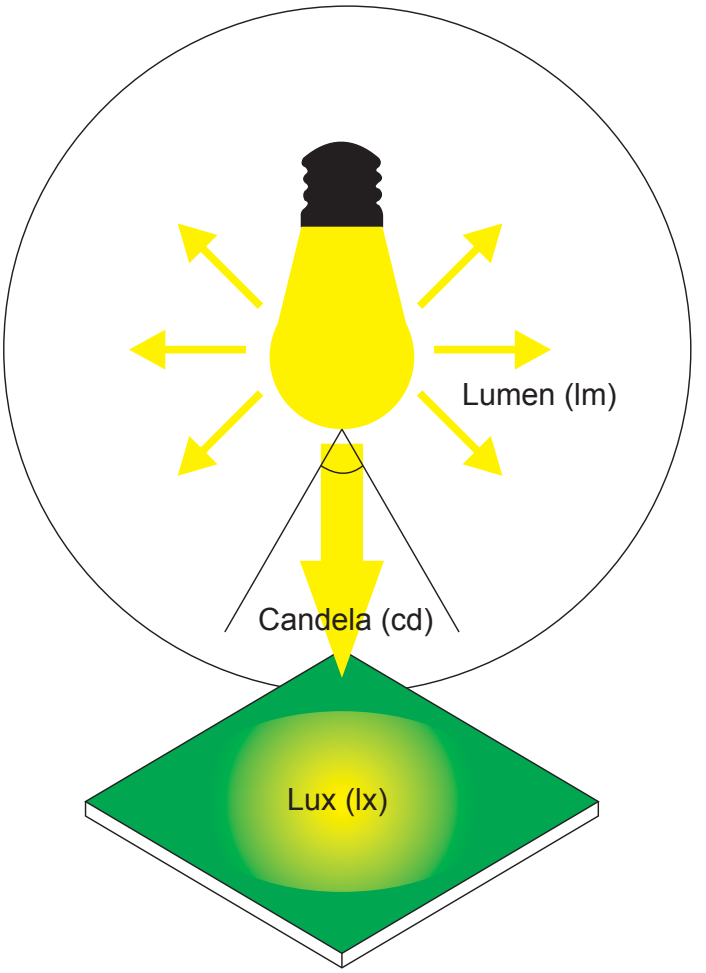
Basic concepts of lighting

The luminous flux, indicated in Lumen (lm) is the measure of the visible part of a light source's total electromagnetic radiation. Its value is useful to compare the luminous power of two non directional (>120°) light sources.

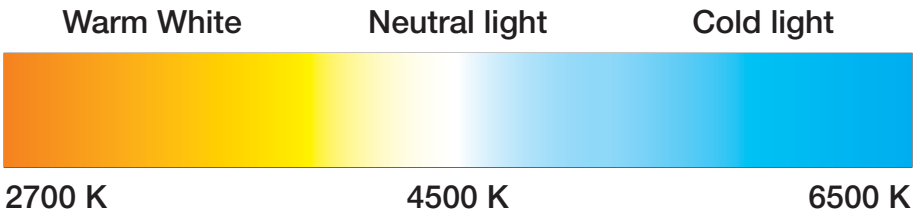
In case of two directional light sources, it is more relevant to compare the Candela (cd) corresponding to the luminous intensity emitted by a light source in a particular direction.

Currently, only the lumen value must be indicated on light sources but this data is not correct as comparaison value at low beam angles.

Illuminance, measured in Lux (lx) is the total luminous flux incident on the surface per unit area (m2). Different standards define the illuminance requirements for different areas.



The color rendering index (CRI) is a quantitative measure of the ability of a light source to reveal the colors of various objects faithfully in comparison with an ideal or natural light source. The sunlight is determined with 100 index, at home an 80 index is the minimum prescribed value, while a 70 index is prescribed for outdoor and industrial lights.

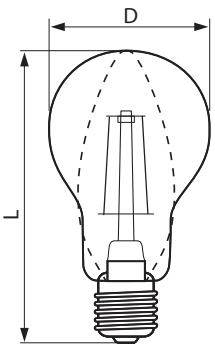


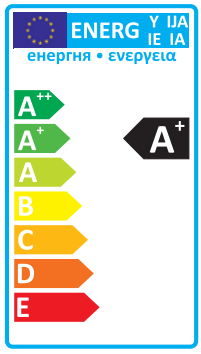
The correlated color temperature of artificial light is given in Kelvin (K) grade, which determines basically the mood of light. The higher temperature means colder light, the lower temperature warmer light. The value of average sunshine is 5500 K and getting warmer to 4800 K at sunrise and sunset. The 2700 - 3500 K temperature range is called warm white, the 3500 - 5000 K range neutral white and the 5000 - 6500 K range cold white. Geographically people in the North prefer warm light, in the South the neutral and cold light is more common.

Normal globe form LED lamps

230 V AC | 50/60 Hz | ≥80 Ra | [h] 25.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

TRACON		[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LA555W	E27	5 W	40 W	400 lm	2.700 K	250°	55 × 92 mm	A+
LA555NW	E27	5 W	40 W	400 lm	4.000 K	250°	55 × 92 mm	A+
LA607W	E27	7 W	60 W	500 lm	2.700 K	250°	60 × 112 mm	A+
LA607NW	E27	7 W	60 W	500 lm	4.000 K	250°	60 × 112 mm	A+
LA608W	E27	8 W	60 W	520 lm	2.700 K	250°	60 × 110 mm	A+
LA608NW	E27	8 W	60 W	560 lm	4.000 K	250°	60 × 110 mm	A+
LA609W	E27	9 W	55 W	720 lm	2.700 K	250°	60 × 110 mm	A+
LA6010W	E27	10 W	75 W	800 lm	2.700 K	250°	60 × 112 mm	A+
LA6010NW	E27	10 W	75 W	800 lm	4.000 K	250°	60 × 112 mm	A+
LA6511W	E27	11 W	65 W	880 lm	2.700 K	250°	65 × 125 mm	A+
LA6511NW	E27	11 W	65 W	900 lm	4.000 K	250°	65 × 125 mm	A+
LA6512W	E27	12 W	70 W	960 lm	2.700 K	200°	65 × 125 mm	A+
LA6512NW	E27	12 W	100 W	1.000 lm	4.000 K	250°	65 × 125 mm	A+
LA7015W	E27	15 W	125 W	1.200 lm	2.700 K	250°	70 × 135 mm	A+
LA7015NW	E27	15 W	125 W	1.200 lm	4.000 K	250°	70 × 135 mm	A+
LA8018W	E27	18 W	120 W	1.500 lm	2.700 K	250°	80 × 151 mm	A+
LA8018NW	E27	18 W	120 W	1.500 lm	4.000 K	250°	80 × 151 mm	A+





NEW LED DISPLAY

About availability please contact our sales representatives!!

LED lamps with candle shape

230 V AC | 50/60 Hz | ≥80 Ra | [h] 25.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s

TRACON		[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LGY5NW	E14	5 W	40 W	380 lm	4.000 K	250°	38 × 106 mm	A+
LGY5W	E14	5 W	40 W	370 lm	2.700 K	250°	38 × 106 mm	A+
LGY7NW	E14	7 W	50 W	500 lm	4.000 K	250°	38 × 106 mm	A+
LGY7W	E14	7 W	50 W	500 lm	2.700 K	250°	37 × 103 mm	A+
LGY8NW	E14	8 W	60 W	570 lm	4.000 K	250°	38 × 106 mm	A+
LGY8W	E14	8 W	60 W	570 lm	2.700 K	250°	37 × 103 mm	A+
LGYD6NW*	E14	6 W	40 W	450 lm	4.000 K	250°	37 × 103 mm	A+
LGYD6W*	E14	6 W	40 W	450 lm	2.700 K	250°	37 × 103 mm	A+
LGYF5NW	E14	5 W	40 W	380 lm	4.000 K	250°	38 × 106 mm	A+
LGYF5W	E14	5 W	40 W	380 lm	2.700 K	250°	38 × 106 mm	A+
LGYT5W	E14	5 W	40 W	370 lm	2.700 K	250°	38 × 106 mm	A+

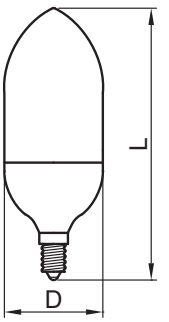
* dimmable

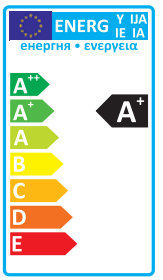
2 YEARS WARRANTY

LGYF5W

LGY5..
LGY7..
LGY8..

LGYT5W





LED lamps with globe shape

230 V AC | 50/60 Hz | ≥80 Ra | [h] 25.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s

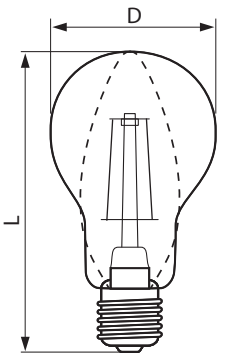
Pictograms E2/0

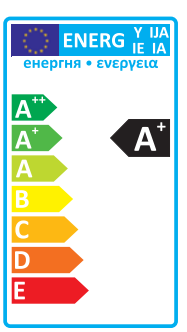
TRACON		[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LG454W	E27	4 W	20 W	250 lm	2.700 K	250°	45 × 70 mm	A+
LG455W	E27	5 W	40 W	350 lm	2.700 K	250°	45 × 70 mm	A+
LG455NW	E27	5 W	40 W	370 lm	4.000 K	250°	45 × 70 mm	A+
LMG453W	E14	3 W	20 W	220 lm	2.700 K	250°	45 × 78 mm	A+
LMG455W	E14	5 W	40 W	370 lm	2.700 K	250°	45 × 78 mm	A+
LMG455NW	E14	5 W	40 W	380 lm	4.000 K	250°	45 × 78 mm	A+
LMG457W	E14	7 W	40 W	500 lm	2.700 K	250°	45 × 90 mm	A+
LMG457NW	E14	7 W	40 W	500 lm	4.000 K	250°	45 × 90 mm	A+
LMG458W	E14	8 W	40 W	570 lm	4.000 K	250°	45 × 90 mm	A+
LMG458NW	E14	8 W	40 W	570 lm	4.000 K	250°	45 × 90 mm	A+

2 YEARS WARRANTY

LMG45..

LG45..



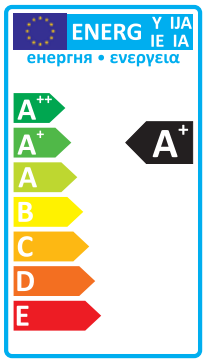


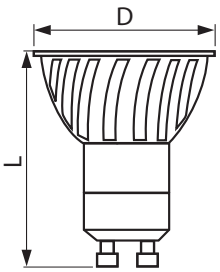
LED spotlamps with frosted cover

230 V AC | 50/60 Hz | ≥80 Ra | ON-OFF >15.000 | [h] 25.000 | SMD LED | Hg 0 mg | Tup<1s

Pictograms E2/0

TRACON		[W]	LED	[lm]	Tc [K]	[°]	D x L	Ei
SMDGU105W	GU10	5 W	35 W	320 lm	2.700 K	120°	50×55 mm	A+
SMDGU105NW	GU10	5 W	35 W	320 lm	4.000 K	120°	50×55 mm	A+
SMDGU105CW	GU10	5 W	35 W	320 lm	6.000 K	120°	50×55 mm	A+
SMDGU107W	GU10	7 W	50 W	450 lm	2.700 K	120°	50×55 mm	A+
SMDGU107NW	GU10	7 W	50 W	450 lm	4.000 K	120°	50×55 mm	A+
SMDGU107CW	GU10	7 W	50 W	450 lm	6.000 K	120°	50×55 mm	A+
SMDGU109W0	GU10	9 W	70 W	800 lm	2.700 K	100°	50×55 mm	A+
SMDGU109NW0	GU10	9 W	70 W	800 lm	4.000 K	100°	50×55 mm	A+
SMDGU109CW0	GU10	9 W	70 W	800 lm	6.000 K	100°	50×55 mm	A+



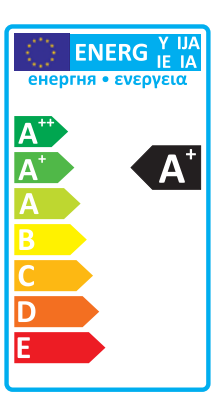


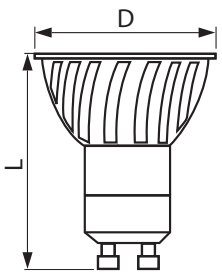
VCOB LED lamps

230 V AC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >30.000 | SMD LED | Hg 0 mg | Tup<1s | 100°

Pictograms E2/0

TRACON		[W]	LED	[lm]	Tc [K]	[°]	D x L	Ei
VCOB5WW	GU10	5 W	35 W	350 lm	2.700 K	100°	50 × 55 mm	A+
VCOB5NW	GU10	5 W	35 W	360 lm	4.000 K	100°	50 × 55 mm	A+
VCOB5CW	GU10	5 W	35 W	370 lm	6.500 K	100°	50 × 55 mm	A+
VCOB7WW	GU10	7 W	50 W	490 lm	2.700 K	100°	50 × 55 mm	A+
VCOB7NW	GU10	7 W	50 W	500 lm	4.000 K	100°	50 × 55 mm	A+
VCOB7CW	GU10	7 W	50 W	510 lm	6.500 K	100°	50 × 55 mm	A+





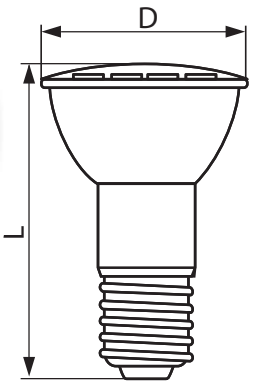
SMD LED spot lamp (15 × LED)

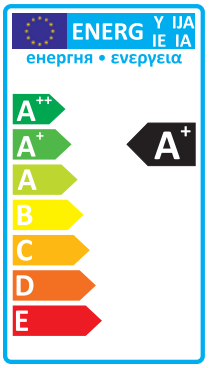
230 V AC | 12 V AC/DC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

TRACON		Un	[W]	LED	[lm]	Tc [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...

SMD-GU10-15...





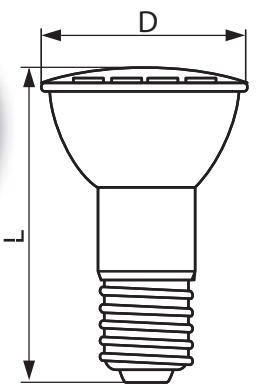
SMD LED spot lamp (12 × LED)

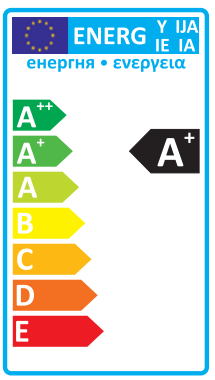
230 V AC | 12 V AC/DC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

TRACON		Un	[W]	LED	[lm]	Tc [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-E14-12...

SMD-E27-12...



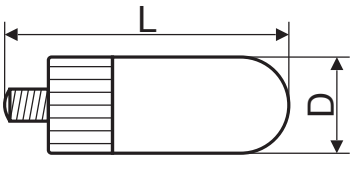


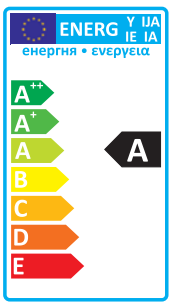
Industrial LED lamps

230 V AC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s

Pictograms E2/0

TRACON		[W]	LED [W]	[lm]	Tc [K]	[°]	D × L	Ei
LHPE2720NW	E27	20 W	150 W	1.600 lm	4.000 K	270°	70 × 142 mm	A
LHPE2725NW	E27	25 W	200 W	2.000 lm	4.000 K	270°	70 × 178 mm	A
LHPE4040NW	E40	40 W	350 W	3.600 lm	4.000 K	270°	105 × 250 mm	A
LHPE4060NW	E40	60 W	500 W	4.500 lm	4.000 K	270°	125 × 254 mm	A





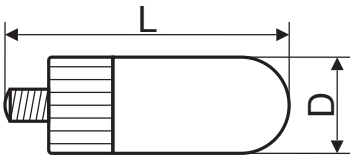
2 YEARS WARRANTY

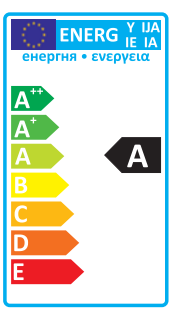
Industrial LED lamps

230 V AC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s

Pictograms E2/0

TRACON		[W]	LED [W]	[lm]	Tc [K]	[°]	D × L	Ei
LHPME4050NW	E40	50 W	500 W	5.000 lm	4.000 K	360°	100 × 290 mm	A+





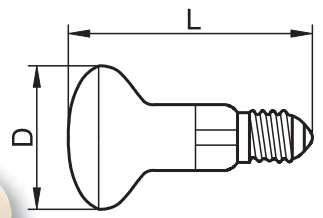
2 YEARS WARRANTY

LED reflector lamps

230 V AC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

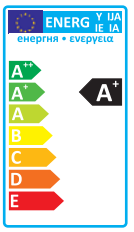
TRACON		[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LR507W	E14	7 W	40 W	470 lm	2.700 K	120°	50×84 mm	A+
LR507NW	E14	7 W	40 W	470 lm	4.000 K	120°	50×84 mm	A+
LR639W	E27	9 W	60 W	638 lm	2.700 K	120°	63×101 mm	A+
LR639NW	E27	9 W	60 W	638 lm	4.000 K	120°	63×101 mm	A+

2 YEARS WARRANTY



LR639W

LR507W

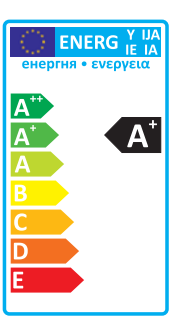


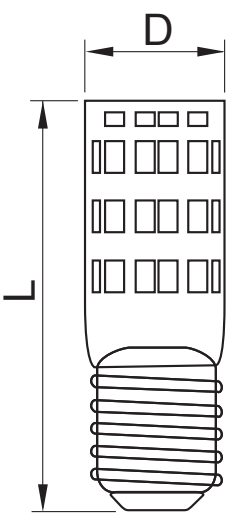
Miniature LED light sources with E14 cap

230 V AC | 50/60 Hz | ≥80 Ra | [h] 25.000 | ON-OFF >25.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

TRACON		[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LH1,5NW	E14	1.5 W	5 W	110 lm	4.000 K	360°	16 × 50	A++
LH1,5WW	E14	1.5 W	5 W	110 lm	3.000 K	360°	16 × 50	A++
LH4W	E14	4 W	25 W	320 lm	2.700 K	360°	16 × 50 mm	A+
LH4NW	E14	4 W	25 W	320 lm	4.000 K	360°	16 × 50 mm	A+

2 YEARS WARRANTY

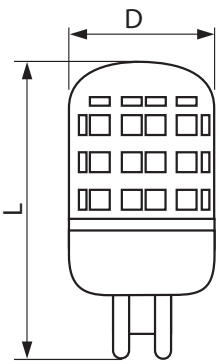




LED lamps G9 socket

230 V AC | 50/60 Hz | ≥80 Ra | [h] 25.000 | ON-OFF >25.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

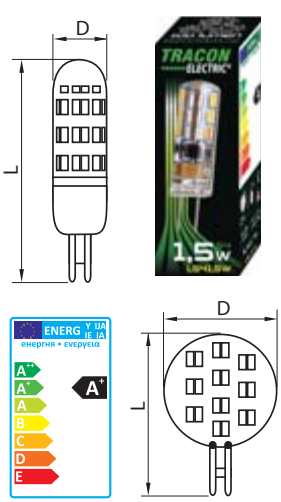
TRACON		[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LG92W	G9	2,5 W	10 W	120 lm	2.700 K	230°	16 × 42 mm	A+
LG92NW	G9	2,5 W	10 W	120 lm	4.000 K	230°	16 × 42 mm	A+
LG93W	G9	3 W	15 W	200 lm	2.700 K	160°	18 × 55 mm	A+
LG9S3W	G9	3 W	15 W	180 lm	2.700 K	360°	14 × 51 mm	A+
LG9S3NW	G9	3 W	15 W	180 lm	4.000 K	360°	14 × 51 mm	A+
LG9S4W	G9	4 W	25 W	300 lm	2.700 K	360°	16 × 50 mm	A+
LG9S4NW	G9	4 W	25 W	300 lm	4.000 K	360°	16 × 50 mm	A+
LG9PC2,5NW	G9	2,5 W	10 W	180 lm	4.000 K	300°	16 × 54 mm	A+
LG9PC2,5W	G9	2,5 W	10 W	180 lm	2.700 K	300°	16 × 54 mm	A+



LED lamps G4 socket

12 V AC/DC | 50/60 Hz | ≥80 Ra | [h] 25.000 | ON-OFF >30.000 | SMD LED | Hg 0 mg | Tup<1s | Pictograms E2/0

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



Replacement LED module for luminaires

230 V AC | 50/60 Hz | ≥80 Ra | [h] 30.000 | ON-OFF >30.000 | SMD LED | Hg 0 mg | Tup<1s

Pictograms E2/0

TRACON	[W]	LED	[lm]	Tc [K]	[°]		D	Ei
LLM9NW	9 W	75 W	630 lm	4.000 K	120°	TLKV-16, TLKV-21	∅ 125 mm	A
LLM9WW	9 W	75 W	630 lm	2.700 K	120°	TLKV-16, TLKV-21	∅ 125 mm	A
LLM18NW	18 W	150 W	1.260 lm	4.000 K	120°	TLKV-28, TLKV-38	∅ 180 mm	A
LLM18WW	18 W	150 W	1.260 lm	2.700 K	120°	TLKV-28, TLKV-38	∅ 180 mm	A

RELEVANT STANDARD
EN 60598

CHANGE TO LED!

SCAN THE QR CODE!

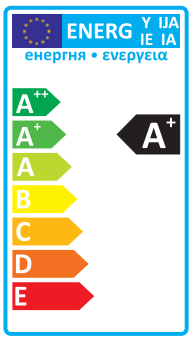
- Check our new products
- Be updated

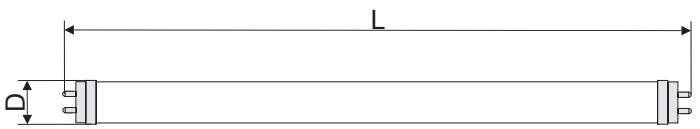
Our range of products is continuously and quickly expanding. Our catalogue shows our products as of October 2017. Check our website to stay up-to-date.

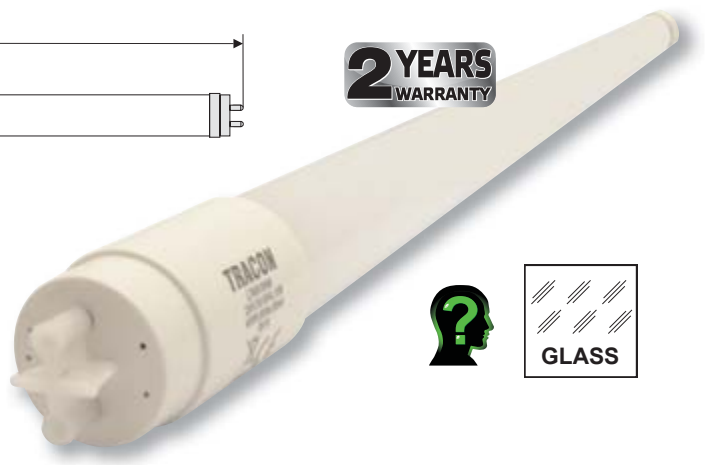
LED tubes

230 V AC | 50/60 Hz | [h] 25.000 | ≥80 Ra | ON-OFF >15.000 | SMD LED | Hg 0 mg | Tup<1s | G13 | Pictograms E2/0

TRACON	[W]	LED	[lm]	Tc [K]	[°]	D × L	Ei
LT8G609CW	9 W	18 W	800 lm	6.500 K	200°	30×600 mm	A+
LT8G609NW	9 W	18 W	800 lm	4.000 K	200°	30×600 mm	A+
LT8G609WW	9 W	18 W	800 lm	2.700 K	200°	30×600 mm	A+
LT8G12018CW	18 W	36 W	1.600 lm	6.500 K	200°	30×1200 mm	A+
LT8G12018NW	18 W	36 W	1.600 lm	4.000 K	200°	30×1200 mm	A+
LT8G12018WW	18 W	36 W	1.600 lm	2.700 K	200°	30×1200 mm	A+
LT8G15022CW	22 W	58 W	1.900 lm	6.500 K	200°	30×1500 mm	A+
LT8G15022NW	22 W	58 W	1.900 lm	4.000 K	200°	30×1500 mm	A+
LT8G15022WW	22 W	58 W	1.900 lm	2.700 K	200°	30×1500 mm	A+

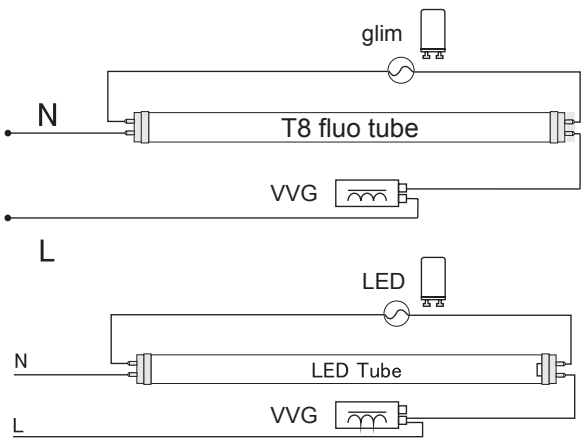




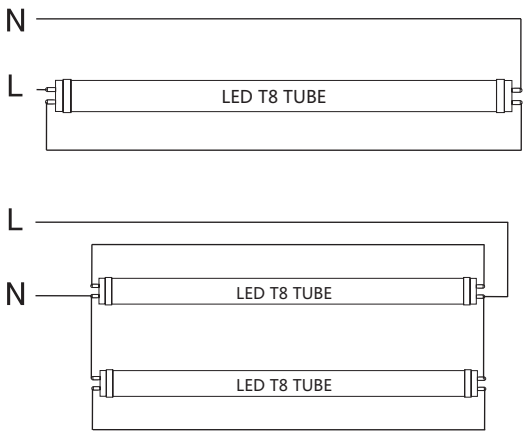


Connection diagram

Luminaires with magnetic ballast



Luminaires with electronic ballast



The T8 type LED tubes are suitable to replace the traditional T8 fluorescent tubes without major modifications of the luminaries.

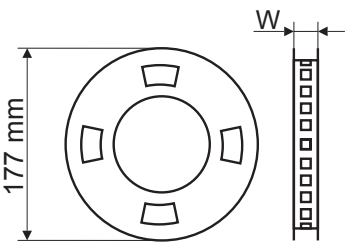
The LED tubes can be placed into installations with electronic ballasts without any additional part. If there is a magnetic ballast, a short-circuit part, included with the tube, must be used instead of the starter.

LED stripes

12 V DC | SMD LED | ON-OFF >30.000 | [h] 25.000 | 120° | Hg 0 mg | Tup<1s | Pictograms E2/0

TRACON	[W]	[lm]	W	Tc [K]		IP..	LED
LED-SZ-48-CW	4,8 W / m	200 lm / m	8 mm	6.000 K	100 mm	IP 20	60 × SMD3528 / m
LED-SZ-48-NW	4,8 W / m	180 lm / m	8 mm	4.000 K	100 mm	IP 20	60 × SMD3528 / m
LED-SZ-48-WW	4,8 W / m	180 lm / m	8 mm	3.000 K	100 mm	IP 20	60 × SMD3528 / m
LED-SZ-72-CW	7,2 W / m	320 lm / m	10 mm	6.000 K	100 mm	IP 20	30 × SMD5050 / m
LED-SZ-72-NW	7,2 W / m	320 lm / m	10 mm	4.000 K	100 mm	IP 20	30 × SMD5050 / m
LED-SZ-72-RGB	7,2 W / m	–	10 mm	RGB	100 mm	IP 20	30 × SMD5050 / m
LED-SZ-72-WW	7,2 W / m	320 lm / m	10 mm	3.000 K	100 mm	IP 20	30 × SMD5050 / m
LED-SZ-96-CW	9,6 W / m	400 lm / m	8 mm	6.000 K	50 mm	IP 20	120 × SMD3528 / m
LED-SZ-96-NW	9,6 W / m	360 lm / m	8 mm	4.000 K	50 mm	IP 20	120 × SMD3528 / m
LED-SZ-96-WW	9,6 W / m	360 lm / m	8 mm	3.000 K	50 mm	IP 20	120 × SMD3528 / m
LED-SZ-144-CW	14,4 W / m	560 lm / m	10 mm	6.000 K	50 mm	IP 20	60 × SMD5050 / m
LED-SZ-144-NW	14,4 W / m	560 lm / m	10 mm	4.000 K	50 mm	IP 20	60 × SMD5050 / m
LED-SZ-144-RGB	14,4 W / m	–	10 mm	RGB	50 mm	IP 20	60 × SMD5050 / m
LED-SZ-144-WW	14,4 W / m	530 lm / m	10 mm	3.000 K	50 mm	IP 20	60 × SMD5050 / m
LED-SZK-48-CW	4,8 W / m	200 lm / m	8 mm	6.000 K	100 mm	IP 65	60 × SMD3528 / m
LED-SZK-48-NW	4,8 W / m	180 lm / m	8 mm	4.000 K	100 mm	IP 65	60 × SMD3528 / m
LED-SZK-48-WW	4,8 W / m	180 lm / m	8 mm	3.000 K	100 mm	IP 65	60 × SMD3528 / m
LED-SZK-72-CW	7,2 W / m	330 lm / m	10 mm	6.000 K	100 mm	IP 65	30 × SMD5050 / m
LED-SZK-72-NW	7,2 W / m	320 lm / m	10 mm	4.000 K	100 mm	IP 65	30 × SMD5050 / m
LED-SZK-72-RGB	7,2 W / m	–	10 mm	RGB	100 mm	IP 65	30 × SMD5050 / m
LED-SZK-72-WW	7,2 W / m	300 lm / m	10 mm	3.000 K	100 mm	IP 65	30 × SMD5050 / m
LED-SZK-96-NW	9,6 W / m	360 lm / m	8 mm	4.000 K	50 mm	IP 20	120 × SMD3528 / m
LED-SZK-144-CW	14,4 W / m	640 lm / m	10 mm	6.000 K	50 mm	IP 65	60 × SMD5050 / m
LED-SZK-144-NW	14,4 W / m	620 lm / m	10 mm	4.000 K	50 mm	IP 65	60 × SMD5050 / m
LED-SZK-144-RGB	14,4 W / m	–	10 mm	RGB	50 mm	IP 65	60 × SMD5050 / m
LED-SZK-144-WW	14,4 W / m	600 lm / m	10 mm	3.000 K	50 mm	IP 65	60 × SMD5050 / m
LED-SZTR-144-CW	14,4 W / m	640 lm / m	10 mm	6.000 K	50 mm	IP 65	60 × SMD5050 / m
LED-SZTR-144-WW	14,4 W / m	640 lm / m	10 mm	3.000 K	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. Check the aluminium profiles on page E2/17.



2 YEARS WARRANTY

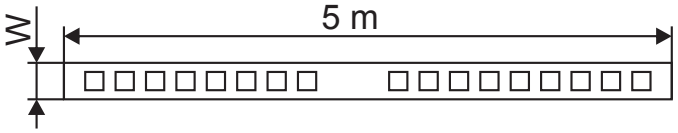
LED stripe sets

12 V DC | [h] 25.000 | ON-OFF >30.000 | III | SMD LED | 120° | Hg 0 mg | Tup<1s | Pictograms E2/0

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

Our LED stripes are also available in sets containing all the necessary elements to operate them properly and to make the installation both fast and easy.
The main technical parameters are the same.

2 YEARS WARRANTY



Miniature LED controls

III | IP 20 | 12-24 V DC

Pictograms E2/0

TRACON	Un	In
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

You can set pre-programmed light games by using the **LED-RF-2** controls.
The controls must be connected between the tape and the 12-24 VDC driver. The device uses radio-frequency to remote so it does not need to "see" the receptor to work. One controler is suitable to control LED stripes up to a length of 5m.

SCAN THE QR CODE!

- Check our new products
- Be updated

Our range of products is continuously and quickly expanding. Our catalogue shows our products as of October 2017. Check our website to stay up-to-date.

RGB LED controls

12-24 V DC | III | IP 20

Pictograms E2/0

TRACON	Un	[W]		IP..
LED-RFRGB-144W	12-24 VDC	144 W	RGB	IP 20

2 YEARS WARRANTY

You can set pre-programmed light games by using the **LED-RF** controls.
The controls must be connected between the tape and the 12-24 VDC driver. The device uses radio-frequency to remote so it does not need to "see" the receptor to work. One controler is suitable to control LED stripes up to a length of 5m.

Power repeater for RGB LED stripes

2 YEARS WARRANTY

TRACON
LPRGB

Pictograms E2/0

The LPRGB power repeater extends the range of the LED-RF controler by 5m so that another LED stripe can be controlled together with the first one. ATTENTION: the power repeater also needs a 12VDC power supply.

LED drivers

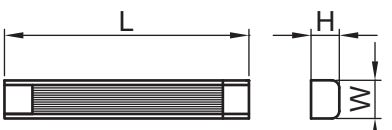
220-240 V AC | 50/60 Hz

Pictograms E2/0

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

LED-CV65-50W

2 YEARS WARRANTY



A suitable 12 VDC driver has to be used to guarantee the operation of the LED and much be chosen according to the type of LED.
The table helps the user to select the proper driver.

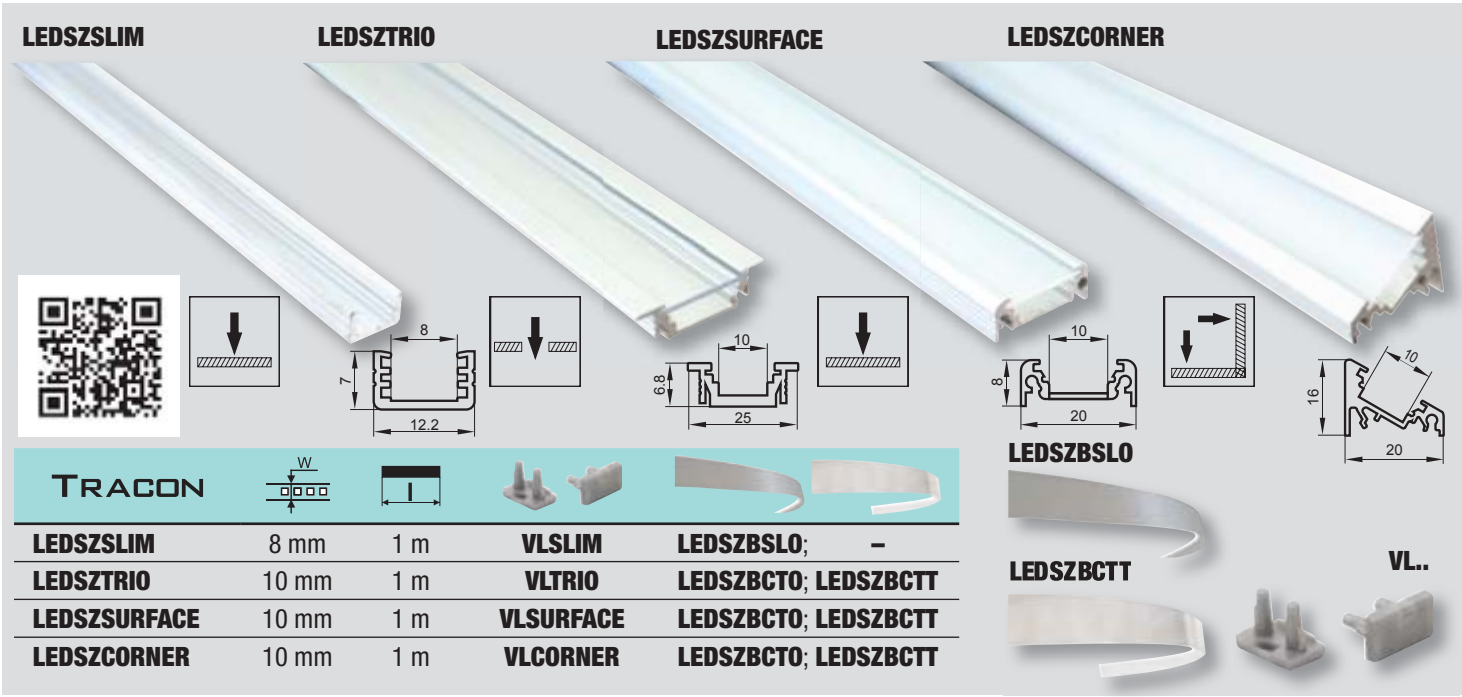
LED-CV65-..

LED-CV-20

LED-CV-30

LED-CV-50

Aluminum profiles for LED stripes



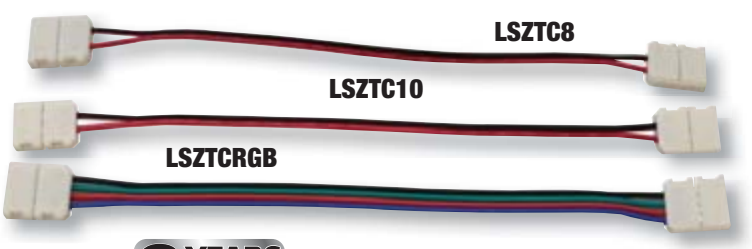
TRACON	W	l		
LEDSZSLIM	8 mm	1 m	**VLSLIM**	**LEDSZBSLO**; –
LEDSZTRIO	10 mm	1 m	**VLTRIO**	**LEDSZBCTO**; **LEDSZBCTT**
LEDSZSURFACE	10 mm	1 m	**VLSURFACE**	**LEDSZBCTO**; **LEDSZBCTT**
LEDSZCORNER	10 mm	1 m	**VLCORNER**	**LEDSZBCTO**; **LEDSZBCTT**

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

LED stripe accessories

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

We sell various accessories to ease the installation.
They enable connections of bands without soldering, as well as connection to the drivers.



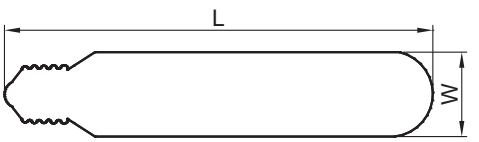
2 YEARS WARRANTY

Metal halide lamps

230 V AC | 50/60 Hz | [h] 10.000 | >70 Ra

Pictograms E2/0

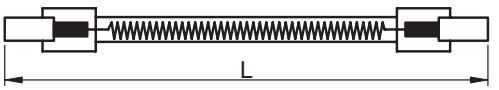
TRACON		[W]	L (mm)	W (mm)	Tc [K]	[lm]	Ei
FHL-R7S-70W	R7XS	70 W	120	20	6.000 K	5.600 lm	A
FHL-R7S-150W	R7XS	150 W	138	23	6.000 K	11.250 lm	A
FHL-E27-70W	E27	70 W	141	55	6.000 K	5.600 lm	A
FHL-E27-150W	E27	150 W	141	55	6.000 K	11.250 lm	A
FHL-E40-250W	E40	250 W	257	46	6.000 K	20.500 lm	A
FHL-E40-400W	E40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



Halogen line bulbs ("C" energy class)

230 V AC | 50/60 Hz | >100 Ra | Hg 0 mg | R7s

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



Floodlights

E1/16

Metal halide floodlights with operating elements

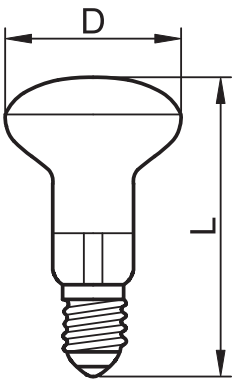
E1/17

Reflector lamps

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

Pictograms E2/0

TRACON	[W]		[h]	ON-OFF	Tc [K]	D (mm)	L (mm)	Ei
TLRL-R50-E14-25-F **TLRL-R50-E14-25**	25 W	E14	1.000 h	>2.000	2.700 K	50	85	F



LRL-R50-E14-25

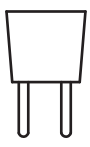
TLRL-R50-E14-25-F

Low voltage halogen lamps with dichroic mirror

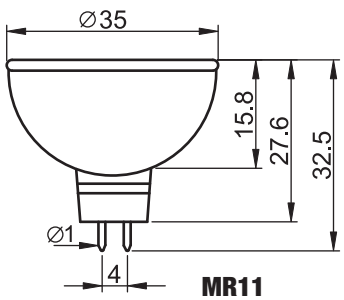
12 V AC/DC | =100 Ra | Hg 0 mg | G5.3

Pictograms E2/0

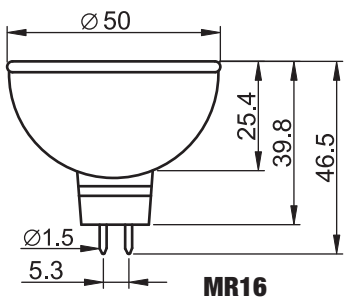
TRACON		[W]		[h]	ON-OFF	Tc [K]	[°]	Ei
MR11-35	MR11	35 W	G5.3	2.000 h	>2.000	2.700 K	40°	C
MR16-35	MR16	35 W	G5.3	2.000 h	>2.000	2.700 K	30°	C



G5.3



MR11



MR16

SCAN THE QR CODE!

- Check our new products
- Be updated

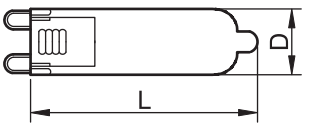
Our range of products is continuously and quickly expanding. Our catalogue shows our products as of October 2017. Check our website to stay up-to-date.

Small size halogen bulbs

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

Pictograms E2/0

TRACON	[W]		[h]	ON-OFF	Tc [K]	D (mm)	L (mm)	pcs	Ei
TLWI-G9-60-F	60 W	G9	2.000 h	>2.000	2.700 K	14	40	3	F
TLWI-G9C-18	18 W	G9	2.000 h	>2.000	2.700 K	14	40	1	C
TLWI-G9C-28	28 W	G9	2.000 h	>2.000	2.700 K	14	40	1	C



Ceramic socket for low voltage lamps

12 V AC/DC | III | G5.3

Pictograms E2/0

TRACON			
TG-5.5	G5.3	MR11, MR16	100 mm

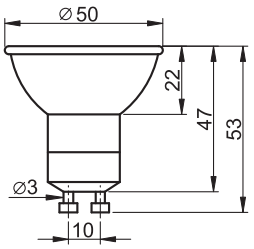
Ceramic socket for 230 V halogen lamps

230 V AC | GU10

Pictograms E2/0

TRACON			
TGU-10	GU10	100 mm	

Halogen lamps with dichroic mirror for 230 V



230 V AC | =100 Ra | Hg 0 mg | GU10

Pictograms E2/0

TRACON		[W]		[h]	ON-OFF	Tc [K]	[°]	Ei
MR230-20	JDR+A	20 W	GU10	2.000 h	>2.000	2.700 K	45°	C
MR230-35	JDR+A	35 W	GU10	2.000 h	>2.000	2.700 K	45°	C
MR230-50	JDR+A	50 W	GU10	2.000 h	>2.000	2.700 K	45°	C

RELEVANT STANDARD
EN 61549

Network adaptor for GU10 lamps

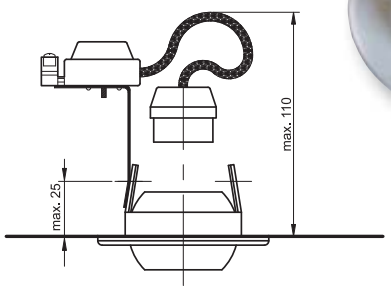
230 V AC | [mm²] 3 x 1,5 | GU10

TRACON		[W]
TAGU-10	GU10	50 W

This adaptor allows to connect lamps with dichroic mirror to the 230 V power network supply according to the 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.



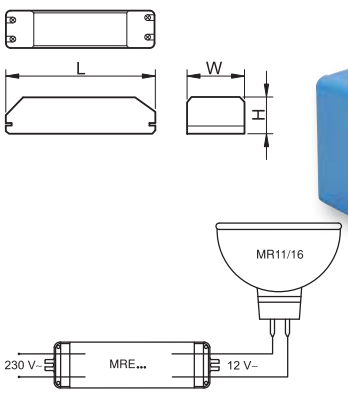
RELEVANT STANDARD
EN 60061

Electronic power supply unit

230 V AC | 12 V AC | IP 20 | Ta -5..+40 °C | III | [mm²] 2 x 1,5 | cos φ 0,99

Pictograms **E2/0**

TRACON		[W]	L (mm)	W (mm)	H (mm)
MRE-50		0 W … 70 W	113	44	28
MRE-105		0 W … 105 W	113	44	28
MRE-150	MR11 / MR16	50 W … 150 W	220	48	38
MRE-200		70 W … 200 W	220	48	38
MRE-250		85 W … 250 W	220	48	38



TLC lamps and accessories

E1/25

Fitlamp

230 V AC | 50/60 Hz | ≥80 Ra | Tup<60s | Hg <2,5 mg

Pictograms E2/0

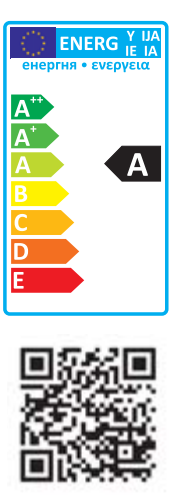
TRACON		[W]	[lm]	Tc [K]	In	[h]	ON-OFF	D (mm)	L (mm)	Ei
FL18	E27	18 W	1.070 lm	2.700 K	150 mA	6.000 h	>8.000	55	99	A

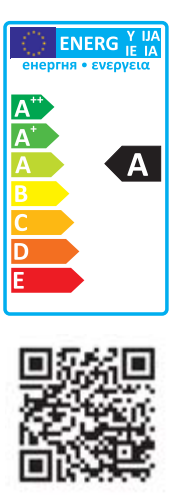
Compact fluorescent lamps, short spiral

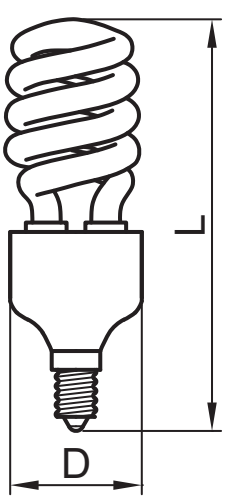
230 V AC | 50/60 Hz | ≥80 Ra | Tup<60s | Hg <2,5 mg

Pictograms E2/0

TRACON		[W]	[lm]	Tc [K]	In	[h]	ON-OFF	D (mm)	L (mm)	Ei
TLKF-RS-E27-15W	E27	15 W	900 lm	2.700 K	105 mA	8000 h	>8000	45	112	A
TLKF-RS-E27-20W	E27	20 W	1200 lm	2.700 K	150 mA	8000 h	>8000	55	115	A
TLKF-RS-E27-24W	E27	24 W	1550 lm	2.700 K	180 mA	8000 h	>8000	55	125	A
TLKF-RSN-E27-15W	E27	15 W	900 lm	4.000 K	105 mA	8000 h	>8000	45	112	A
TLKF-RSN-E27-20W	E27	20 W	1200 lm	4.000 K	150 mA	8000 h	>8000	55	115	A
TLKF-RSN-E27-24W	E27	24 W	1550 lm	4.000 K	180 mA	8000 h	>8000	55	125	A





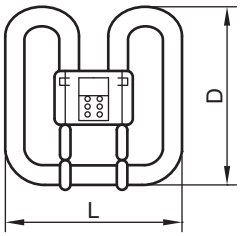


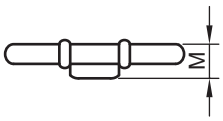
Compact fluorescent lamps with GR10q cap (2D)

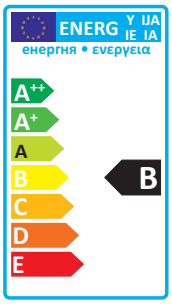
230 V AC | 50/60 Hz | ≥80 Ra | Tup<60s | Hg <2,5 mg

Pictograms E2/0

TRACON		[W]	[lm]	Tc [K]	In	[h]	ON-OFF	M (mm)	D (mm)	L (mm)	Ei
TLKF-2D-GR10Q-10W	GR10q	10 W	650 lm	3.500 K	65 lm/W	8000 h	>8000	20	140	140	B
TLKF-2D-GR10Q-16W	GR10q	16 W	1056 lm	3.500 K	66 lm/W	8000 h	>8000	20	148	148	B
TLKF-2D-GR10Q-21W	GR10q	21 W	1344 lm	3.500 K	64 lm/W	8000 h	>8000	20	148	148	B
TLKF-2D-GR10Q-28W	GR10q	28 W	2044 lm	3.500 K	73 lm/W	8000 h	>8000	20	212	212	B
TLKF-2D-GR10Q-38W	GR10q	38 W	2698 lm	3.500 K	71 lm/W	8000 h	>8000	20	212	212	B







Protected wall luminaire, opaque cover, white frame

E1/35

Protected round shaped plastic wall luminaries

TLKVL-E27

TLKV-2D-..

E1/36