

LED-NOVELTIES 2009



ENERGY-SAVING
IP 65
MAINTENANCE-FREE
50,000 HOURS

medlight

LED – Novelties 2009

General Features of F Series

Light source:

All models feature a central LED light source. The efficacy distribution of traditional illuminants is herewith reproduced in an optimal way.

The LED light source is an efficient High Power Semiconductor Chip with patent-protected encapsulation.

The LED is directly connected with the housing. The heat is dissipated via heat conduction vanes and cooling fins. This enables an average **service life of 50,000 operating hours**.

In this combination we were able to solve the main problem, the temperature development.

We reach a **colour reproduction of more than 80 %** which is according to index 1b. This avoids low colour temperatures like for example in case of sodium lamps but also high colour temperatures like for example in case of mercury lamps.

With the help of this the objects are presented in their original colour.

Lamps:

The housings are made of a special aluminium alloy as well as being equipped with a 5mm safety glass cover.

All housings are waterproof and dustproof according to protection **category IP65**. They are sealed with durable silicone. The surfaces are anodised and sealed with a synthetic coating.

The maximum light power is reached directly after switching on.
No switch-on delay, no waiting.

The **operating cycles do not affect the lifetime**. The lamps can be switched on and off up to 1 million times.

We use ultrapure aluminium for the reflector with high reflection capacity. This enables a high luminous flux.

The lamps are easy to install. The F series delivers **very variable fixing possibilities** and can be mounted to nearly every possible angle with the offered accessories.

All lamps of the series **are sensitive to neither shock nor vibration**.

FGK - Pendant Luminaire



Application:

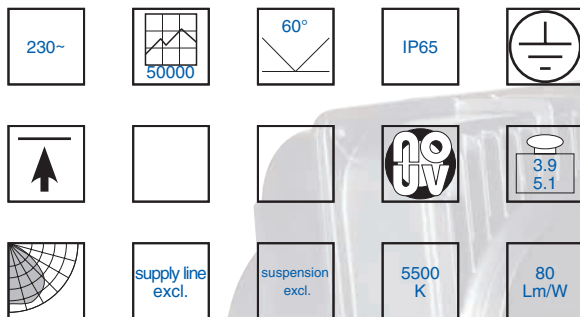
production halls and stockrooms
tollbooths and gas stations
shops and supermarkets
car dealerships and fair halls

material: aluminium reflector
Aluminium housing
Acryl glass cover

colour reproduction > 80%, index 1b

measurements: Ø/H: 47/54 cm (30W/50W)
Ø/H: 52/42 cm (70W/100W)

All models available also in warm-white 3500 K
and pure-white 7000 K.



FGK 30 W alu/black L81011 €629.00

FGK 50 W alu/black L81013 €809.00

FGK 70 W alu/black L81015 €929.00

FGK 100 W alu/black L81016 €1,049.00



Our F series lamps are environmentally compatible and produced according to the highest quality standards ISO 9001 and ISO 1400.
They are in line with the directives EN 60598 / DIN VDE 0711 / CE / RoHS and EMV.
An ENEC inspection is under way.

F225TG – Display Luminaire



Application:

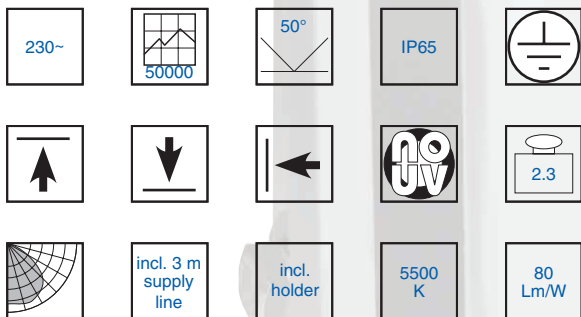
displays and company logos
advertising spaces and buildings
gardens and green spaces
sculptures and monuments

material: aluminium reflector
Aluminium housing
5 mm safety glass

colour reproduction > 80 %, index 1b

measures: W / H / D
23/21/13 cm

All models available also in warm-white 3500 K and pure-white 7000 K.



F225TG 10 W silver-grey L81021 €259.00

F225TG 20 W silver-grey L81022 €329.00

F225TG 30 W silver-grey L81023 €414.00



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F370FG - Foodlight

Beam selection: one floodlight



Application:

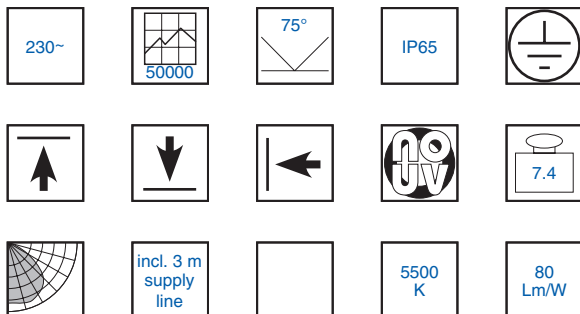
estates and driveways
 car parks and multi-storey car parks
 parks and green spaces
 buildings and advertising spaces

material: aluminium reflector
 aluminium housing
 5 mm safety glass

colour reproduction > 80 %, index 1b

measures: W / H / D
 29/39/10 cm

All models available also in warm-white 3500 K
 and pure-white 7000 K.



F370FG 30 W	black	L81033	€844.00
F370FG 50 W	black	L81035	€999.00
F370FG 70 W	black	L81037	€1,269.00



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F570FG - Floodlight

Beam selection: two floodlights



Application:

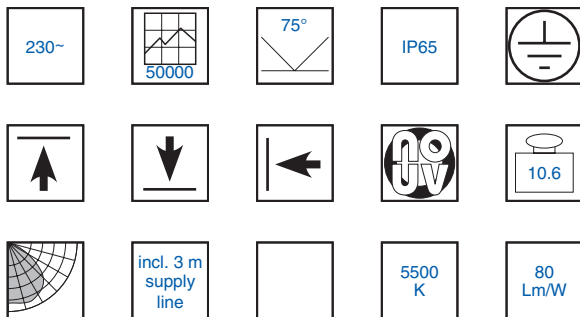
production halls and stockrooms
car parks and gas stations
streets and lanes
harbours and shipyards

material: aluminium reflector
aluminium housing
5 mm safety glass

colour reproduction > 80 %, index 1b

measures: W / H / D
29/59/10 cm

All models available also in warm-white 3500 K
and pure-white 7000 K.



F570FG 80 W black L81041 € 1,269.00

F570FG 100 W black L81043 € 1,399.00

F570FG 120 W black L81045 € 1,469.00

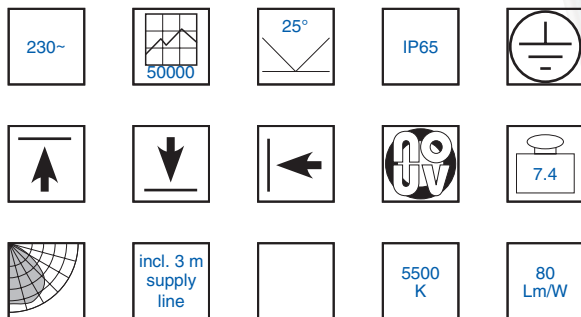
F570FG 140 W black L81047 € 1,599.00



Our F series lamps are environmentally compatible and produced according to the highest quality standards ISO 9001 and ISO 1400. They are in line with the directives EN 60598 / DIN VDE 0711 / CE / RoHS and EMV. An ENEC inspection is under way.

F370TS – Spotlight

Beam selection: one spotlight



Application:

medium-sized and medium-high buildings
advertising spaces, trees and towers
wherever focussed light is needed

material: aluminium reflector
aluminium housing
5 mm safety glass

colour reproduction > 80 %, index 1b

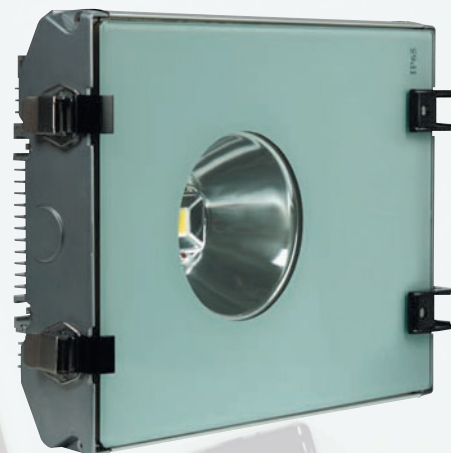
measures: W / H / D
29/39/10 cm

All models available also in warm-white 3500 K
and pure-white 7000 K.

F370TS 30 W alu L81051 € 879.00

F370TS 50 W alu L81053 € 1,029.00

F370TS 70 W alu L81055 € 1,189.00



Our F series lamps are environmentally compatible and produced according to the highest quality standards ISO 9001 and ISO 1400. They are in line with the directives EN 60598 / DIN VDE 0711 / CE / RoHS and EMV. An ENEC inspection is under way.

F570TS – Spotlight

Beam selection: two spotlights



Application:

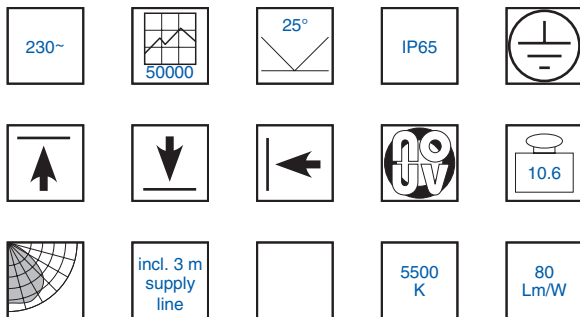
large and high buildings
palaces, castles and towers
everywhere you need far reaching focussed light

material: aluminium reflector
aluminium housing
5 mm safety glass

colour reproduction > 80 %, index 1b

measures: W / H / D
29/59/10 cm

All models available also in warm-white 3500 K
and pure-white 7000 K.



F570TS 80 W alu L81056 € 1,299.00

F570TS 100 W alu L81057 € 1,419.00

F570TS 120 W alu L81058 € 1,519.00

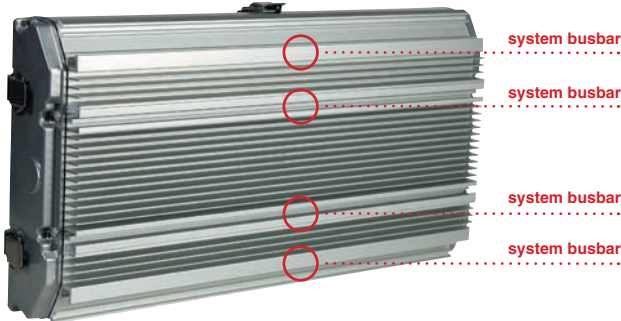
F570TS 140 W alu L81059 € 1,599.00



Our F series lamps are environmentally compatible and produced according to the highest quality standards ISO 9001 and ISO 1400. They are in line with the directives EN 60598 / DIN VDE 0711 / CE / RoHS and EMV. An ENEC inspection is under way.

Accessories for the F series

System busbars for square nuts



Accessories to all spotlights of the F370 and F570 series

This model series is variably applicable.

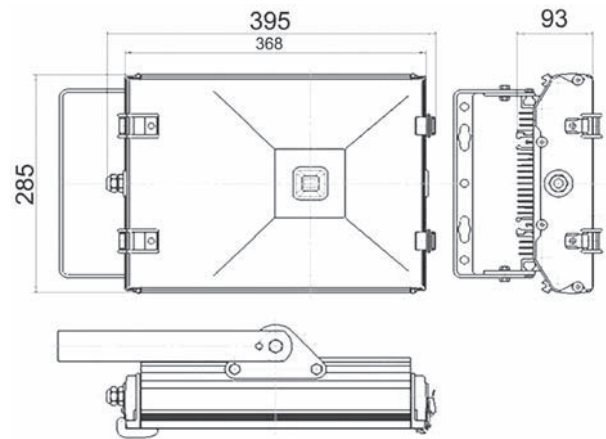
All spotlights feature a special aluminium housing in which 2 system busbars each are countersunk on top and on the side. The spotlight can herewith be mounted in each possible position by means of hammer-head screws or eye screws.

1. Ceiling mount FDH

material: St37 black varnished
 radius of movement: +/- 90°
 locking with 30° raster

L81061

€79.00

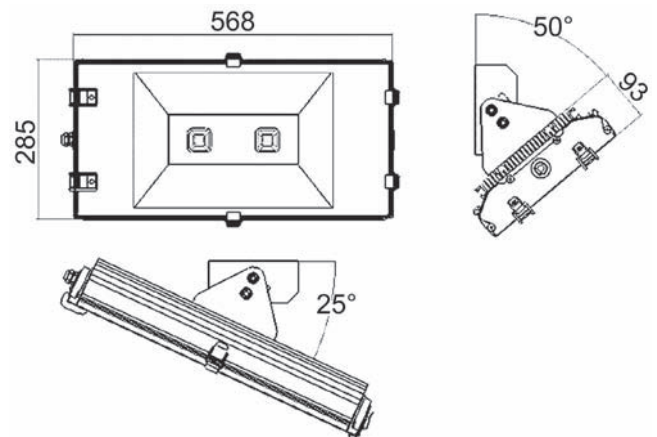


2. Pivot mount FSH

material: St37 black varnished
 radius of movement: mounted longitudinally +/- 25°
 mounted transversely +/- 50°
 locking progressively

L81062

€99.00

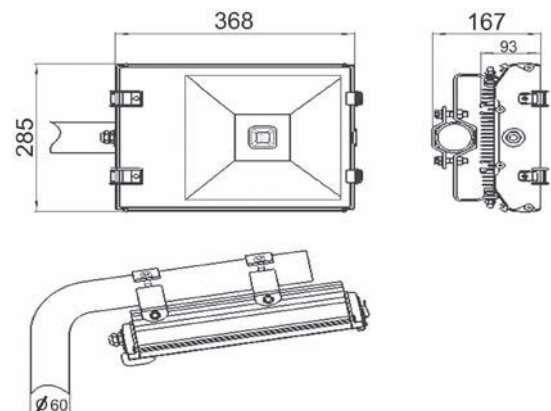


3. Pole mount FMH

material: St37 black varnished
 mounting points via 2 clamping pieces
 for 60 mm inner diameter

L81063

€89.00

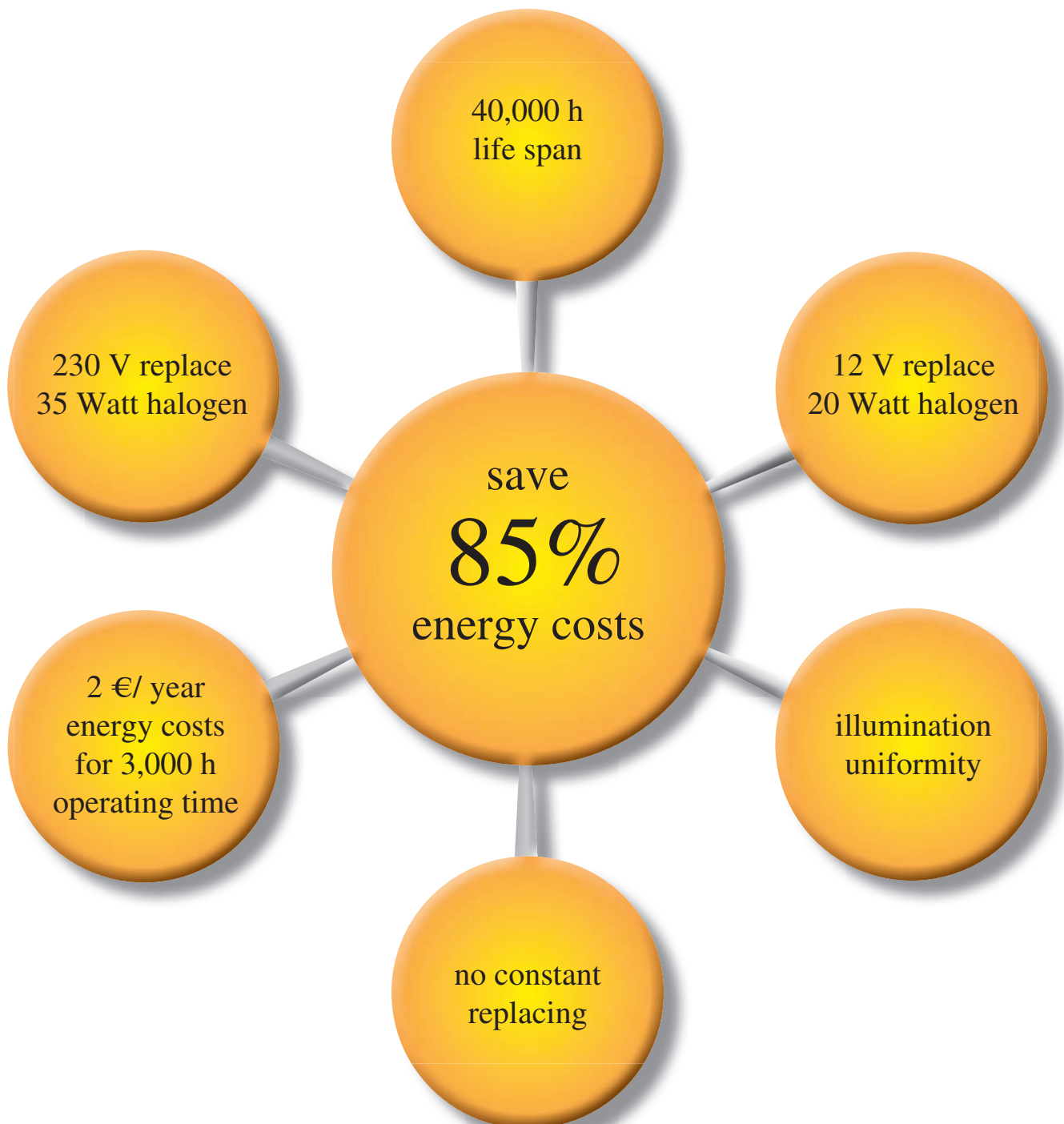




Innovative and revolutionary

LED Basic Lighting

with the latest Artenia 3W LED illuminants



LEM - I Spot

Comparative Calculation 35 W GU10 – 3W LEM GU10

As an example, let's take a jewellery shop that has installed 20 GU 10 illuminants with 35 W in its business premises. The operating time of the illuminants comes up to 3,000 hours a year at a price of €0.18 per kw/h. Per replacing of the illuminants an amount of €4.00 for staff costs is taken as a basis. All indications in €net / rounded.

Comparison	energy costs	purchase	substitute illuminants	replacement costs	total
35W GU10	€420.00	€60.00	€120.00	€160.00	€760.00
3W LEM GU10	€37.80	€720.00	€-	€-	€757.80
economy in the 1 st year	€382.20	€-660.00	€120.00	€160.00	€2.20
			economy in each following year		€662.20

For calculation of your current projects and applications please do not hesitate to contact us!



sample set

consisting of: 1 x LEM-I Spot GU 10 white
1 x LEM-I Spot GU 10 warm-white
1 x GU 10 socket
1.5 m supply line with Euro blade terminal
1 x luster terminal

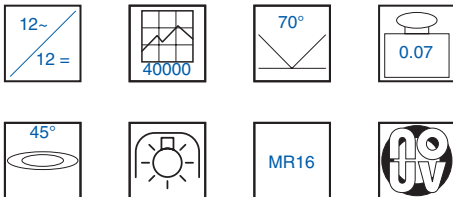
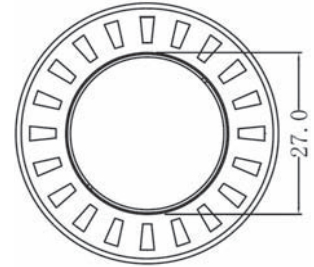
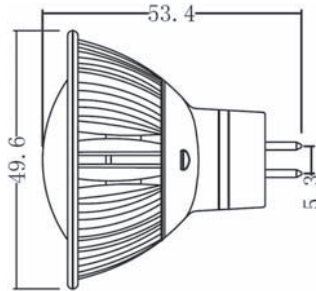
sample set five pieces. L81000 ~~€99.00~~

special price €84.00

You save 15 % compared to the unit price!

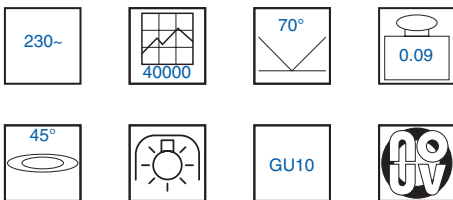
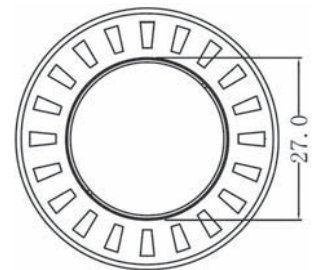
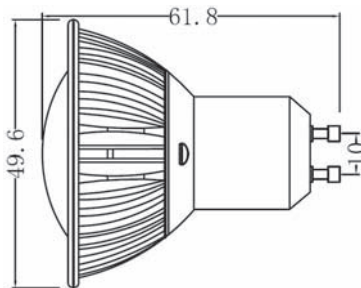
LEM - I Spot

LEM-I Spot MR16



LED white	6000 K	3 W	L81001
LED warm-white	3500 K	3 W	L81002
			€44.90

LEM-I Spot GU10



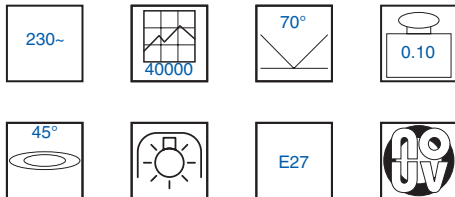
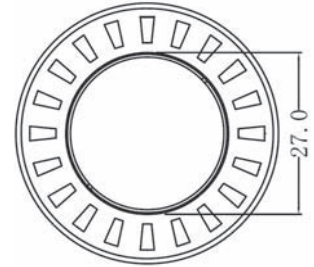
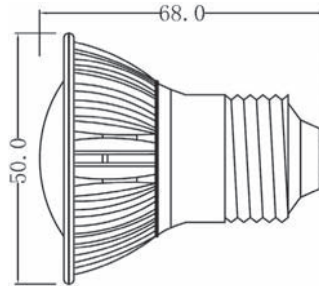
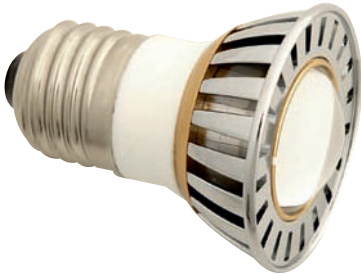
LED white	6000 K	3 W	L81003
LED warm-white	3500 K	3 W	L81004
			€44.90

The following applies for both types:

280 - 350 Lx	(metering at a distance of 0.5 m)
150 - 250 Lx	(metering at a distance of 1.0 m)

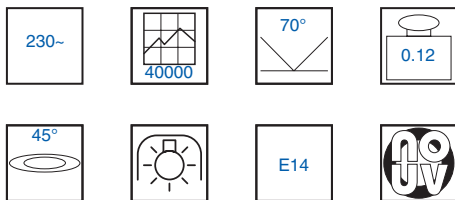
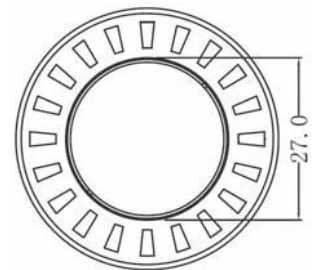
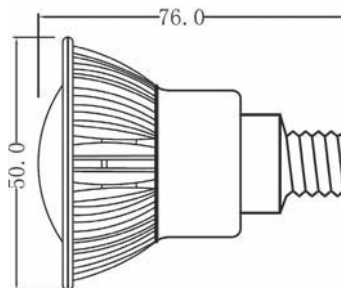
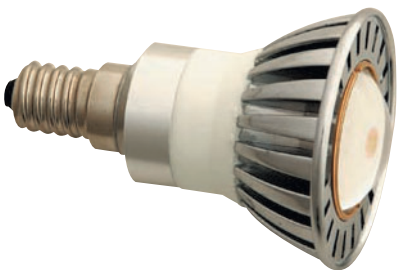
LEM - I Spot

LEM-I Spot E27



LED white	6000 K	3 W	L81005
LED warm-white	3500 K	3 W	L81006
			€44.90

LEM-I Spot E14



LED white	6000 K	3 W	L81007
LED warm-white	3500 K	3 W	L81008
			€44.90

The following applies for both types:

280 - 350 Lx	(metering at a distance of 0.5 m)
150 - 250 Lx	(metering at a distance of 1.0 m)

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 katharina.mueller@medlight.de
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COPY FORM FIRST,
 THEN FILL OUT
 AND THEN FAX IT

SENDER (COMPANY STAMP)

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Contact person & phone no. in case of questions: date and signature

The prices are calculated ex works or ex stock. The VAT valid at the date of invoice shall be added.
 Our general terms and conditions apply. Subject to technical alterations.



Angle of reflected beam
Symmetrical/asymmetrical



Weight of the product in kg



We will send you a light distribution curve regarding the respective product on request



Marks the medium service life of an illuminant in hours



Protection class



Illuminant is provided with UV protection



Marking application area ceiling



Heat development at the surface



Marking application area wall



Operational voltage



Marking application area floor



Illuminant suitable for application in luminaires with safety glass



Colour temperature 5500 K



Suitable for outside



Lumen (luminous flux) per Watt



Kind of bulb fitting

Idea and design: Artenia GmbH, Viersen, 2008
Print: Sieben GmbH, Korschenbroich

Please note:

A large proportion of the products presented in this catalogue is protected by patents, trade marks, design patent or utility patent.

In case of infringement of an industrial property right or using text and layout design without our permission, legal steps shall be taken.

All products of our range are subject to a strict quality assurance and comply with the generally valid standards (CE).

The illustrations and indications in this catalogue only serve as a visualization and are without commitment as concerns colour, form, design, and technical data. All indications regarding weight and length are made in kg respectively in cm, unless marked otherwise.



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