

CAMINO LED Outdoor Light Fitting Series 47...

Applications:

Side and main streets, roundabouts, factory streets and tracks in industrial plants, car parks, gateways etc.

Design:

Housing: Die-cast aluminium, 2-parts, powder coated in DB 702 (mica-iron paint, grey). **Upper section** with LED-Module, optics, glass cover and electro kit, hinged and detachable. **Lower section** with pole mounting system, adjustment of inclination, cable retainer, cable entry with pressure compensation system.

Glass cover: Flat safety glass, impact

resistance IK09.

Light distribution: Asymmetrical wide beam

Connection: With isolating plug connection with cable relief

Pole mounting device: Die-cast aluminium, universal system for post top mounting Ø 60/76mm and side entry mounting Ø 42/60mm x 100mm.

Inclination: Post top mounting 0°, 5° and 10° (factory setting 0°). Side entry mounting 0°, -5°, -10° and -15° depending on inclination of the cantilever.

Electrical design:

LED module: 4,000K or 3,000K, $R_a > 70$, service life $L_{90} > 100,000h$, Zhaga compliant

ECG: 220-240V, 50-60Hz, Surge voltage resistance 10kV, overload and short circuit protection.

Light control:

On request, the luminaires are also available with the following configurations:

Output reduction with control phase (LR): For reducing the luminous flux to 50% at times of low traffic density. Control phase (LST) required. Switching via control phase (LST = 230V: 100%; LST = 0V: 50%). Alternative dimming levels possible.

Output reduction without control phase (LA): Autarkic dimming. Reduced operation 50% between 22:00 and 4:00h CET or 23:00 and 5:00h CEST, also available with deviating times and with alternative dimming steps.

Digital dimming with DALI interface (DIMD)

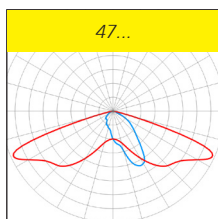
Constant luminous flux function (CL): Luminous flux is kept on a constant level over the entire service life of the LED-modules.

Options:

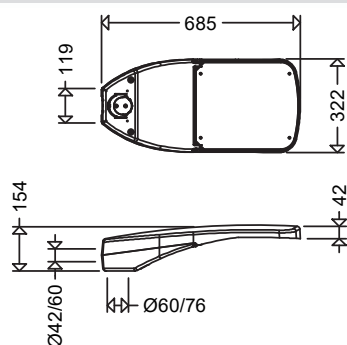
- 2,200K, light colour 722 (approx. 23% lower luminous flux)
- 1,800K, light colour 518 „Amber“ (approx. 38% lower luminous flux)
- adaptive Light EcoTune (ET)
- protection class I (SKI)
- asymmetrical beam (A), plane surface floodlight-optics
- optics asymmetrical extremely wide beam (ABX)
- optics for M-classes (AB3)
- low glare optics (ABL)
- for connection to group or central bat-

tery systems (ZB) or emergency lighting networks respectively

- for illumination of ship locks
- seawater-resistant version (SWP)
- additional overvoltage protection (OP)
- inrush current limiter (ESSB)
- Light Management System (LIMAS) in protection class I (SKI)
- with bird deterrence (BD)
- special painting in RAL colours (SL)
- assembled with attached cable to desired length



DB standardized by Deutsche Bahn AG



Outstanding mounting advantage



Product highlights:

- ECG with surge voltage resistance 10kV
- optimized thermal management due to direct adaption of the LED-modules to the housing
- service life $L_{90} > 100,000h$
- integrated pressure compensation system prevents condensation in the interior
- homogeneous illumination due to the Multi-Layer-Technology
- universal pole mounting system, foldable without tools, for post top or side entry mounting, no additional pole flanges or adapter pieces required
- removable upper part of the housing allows a comfortable, time- and cost-saving mounting in 2 steps:
 - 1st step: Mount bottom part on the pole and connect the mains
 - 2nd step: Hinge upper part, connect isolating plug and shut the housing. READY
- adjustable inclination of the light fitting, no tools required
- upgrades or converts in regards to technical development by easy change of the upper part of the housing. After the change of the LED-modules the upper part of the housing can be used again.
- eco-friendly, no light emission into the upper half-space, ULOR=0
- all versions dimmable to 10% with color temperature up to max. 3,000K fulfill the Dark Sky requirements
- sustainable, control gear and LED-module replaceable by qualified personnel on-site
- future proof by using standardized LED-modules (Zhaga)
- GreenLine luminaire, outstanding sustainable design

Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under www.schuch.de.

Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
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47...



colour temperature 4.000K (light colour 740)

47000 0003	47 3201	34	5.630	166	10,2
47000 0009	47 3202	50	7.630	153	10,2
47000 0004	47 3203	70	10.300	147	10,2
47000 0005	47 4801	52	8.420	162	10,2
47000 0010	47 4802	75	11.370	152	10,2
47000 0047	47 4803	106	15.300	144	10,2
47000 0007	47 6401	69	11.420	166	10,3
47000 0011	47 6402	99	15.180	153	10,3
47000 0048	47 6403	140	20.200	144	10,3

colour temperature 3.000K (light colour 730)

47000 0905	47 3201 730	34	5.290	156	10,2
47000 0100	47 3202 730	50	7.170	143	10,2
47000 0090	47 3203 730	70	9.680	138	10,2
47000 0383	47 4801 730	52	7.920	152	10,2
47000 0075	47 4802 730	75	10.690	143	10,2
47000 0076	47 4803 730	106	14.380	136	10,2
47000 0362	47 6401 730	69	10.730	156	10,3
47000 0270	47 6402 730	99	14.270	144	10,3
47000 0088	47 6403 730	140	18.990	136	10,3

! Also available with output reduction (LR / LA) or constant luminous flux function (CL) as well as combinations of these functions (CL LR / CL LA).



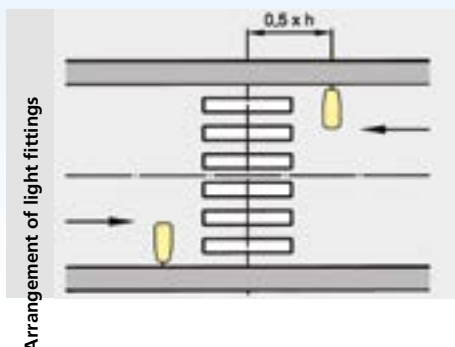
Endurance tests in Dubai confirm excellent thermal management of Series 47 ..

Test conditions:

- LED-fitting with maximum Connected load
- maximum current supply
- operation during daytime and at direct sunlight

Result:

The light fitting performed at any time correctly and reliably.

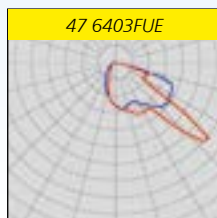


Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Weight [kg] (without packing material)
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47... FUE



For pedestrian crossings or for object protection



Applications:

Pedestrian crossings, object protection, fence, apron, area illumination ...

Design:

Asymmetrical light distribution. Major light beam crosswise to longitudinal axis of the luminaire with limited backward light beam.

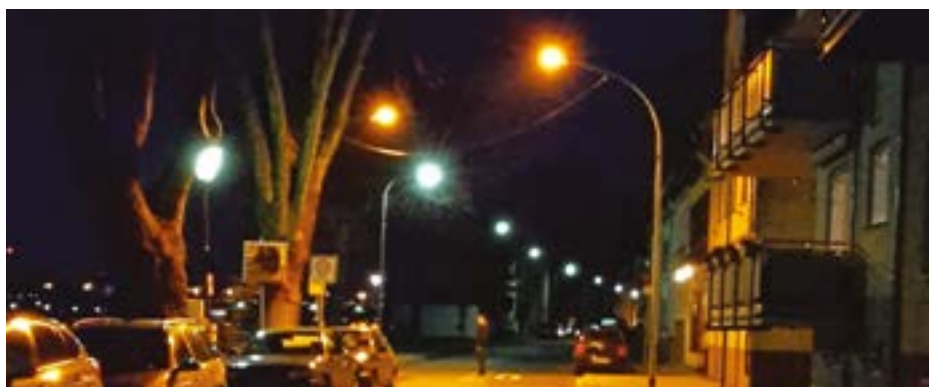
colour temperature 4.000K (light colour 740)

47000 0448	47 6403FUE	140	20.200	144	10,3
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colour temperature 3.000K (light colour 730)

47000 0467	47 6403FUE 730	140	18.990	136	10,3
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Also available with output reduction (LR / LA) or constant luminous flux function (CL) as well as combinations of these functions (CL LR / CL LA).



Pedestrian crossing illuminated with 1.800K (Amber)

Accessories / Spare Parts

Article no.	Type	
47001 9002	ABD 47	flat safety glass
90113 0019	HA 32/L100 AB VS	backside light shielding for 47 32..
90113 0020	HA 48/L150 AB VS	backside light shielding for 47 48..
90113 0021	HA 64/L210 AB VS	backside light shielding for 47 64..

Pipe brackets for wall, pole and corner mounting, and post top brackets please see end of this chapter.