

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

Universal pole mounting device: Die-cast aluminium, for post top mounting Ø 60/76mm and side entry mounting Ø 60mm. For side entry mounting Ø 42mm, separate reducing accessories are required (see accessories / spare parts).

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.

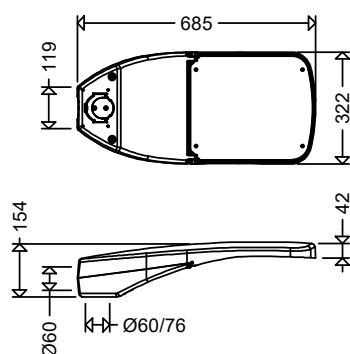
Digital dimming with DALI interface (DIMD)

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

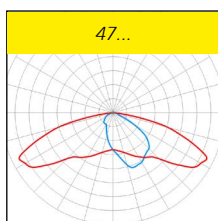
Options:

- 2,200K, light colour 722 (approx. 15% lower luminous flux)
- 1,800K, light colour 518 „Amber“ (approx. 45% lower luminous flux)
- adaptive Light EcoTune (ET)
- protection class I (SKI)
- asymmetrical beam (A), plane surface floodlight-optics
- low glare optics (ABL)
- for connection to group or central battery systems (ZB) or emergency lighting networks respectively
- for illumination of ship locks
- seawater-resistant version (SWP)
- additional overvoltage protection (OP) in SKI
- inrush current limiter (ESSB)
- Light Management System (LIMAS) in protection class I (SKI)
- with bird deterrence (BD)
- special painting in RAL colours (SL)

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
- 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) |
|-------------|------|--------------------|--------------------|--------------------------|---|
|-------------|------|--------------------|--------------------|--------------------------|---|

47...



! All light fittings also available with connected cable (H07RN-F or NYM) in the required length.

colour temperature 4.000K (light colour 740)

| | | | | | |
|------------|----------------|-----|--------|-----|------|
| 47000 0003 | 47 3201 | 34 | 6.020 | 177 | 10,2 |
| 47000 0009 | 47 3202 | 50 | 8.400 | 168 | 10,2 |
| 47000 0004 | 47 3203 | 70 | 11.360 | 162 | 10,2 |
| 47000 0005 | 47 4801 | 52 | 8.980 | 173 | 10,2 |
| 47000 0010 | 47 4802 | 75 | 12.500 | 167 | 10,2 |
| 47000 0047 | 47 4803 | 106 | 16.850 | 159 | 10,2 |
| 47000 0007 | 47 6401 | 69 | 11.850 | 172 | 10,3 |
| 47000 0011 | 47 6402 | 99 | 16.440 | 166 | 10,3 |
| 47000 0048 | 47 6403 | 140 | 22.030 | 157 | 10,3 |

colour temperature 3.000K (light colour 730)

| | | | | | |
|------------|--------------------|-----|--------|-----|------|
| 47000 0905 | 47 3201 730 | 34 | 5.720 | 168 | 10,2 |
| 47000 0100 | 47 3202 730 | 50 | 7.980 | 160 | 10,2 |
| 47000 0090 | 47 3203 730 | 70 | 10.790 | 154 | 10,2 |
| 47000 0383 | 47 4801 730 | 52 | 8.530 | 164 | 10,2 |
| 47000 0075 | 47 4802 730 | 75 | 11.880 | 158 | 10,2 |
| 47000 0076 | 47 4803 730 | 106 | 16.010 | 151 | 10,2 |
| 47000 0362 | 47 6401 730 | 69 | 11.260 | 163 | 10,3 |
| 47000 0270 | 47 6402 730 | 99 | 15.620 | 158 | 10,3 |
| 47000 0088 | 47 6403 730 | 140 | 20.930 | 150 | 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).



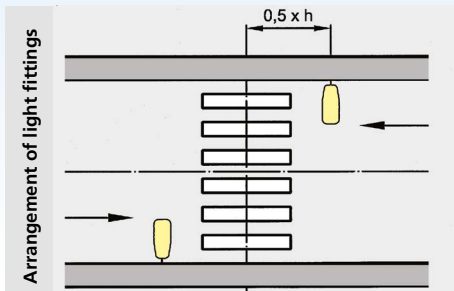
Endurance tests in Dubai confirm excellent thermal management of Series 47 ..

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.

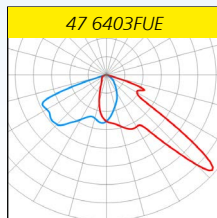


| Article no. | Type | Connected load [W] | Luminous flux [lm] | Luminous efficacy [lm/W] | Weight [kg] (without packing material) |
|-------------|------|--------------------|--------------------|--------------------------|---|
|-------------|------|--------------------|--------------------|--------------------------|---|

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.

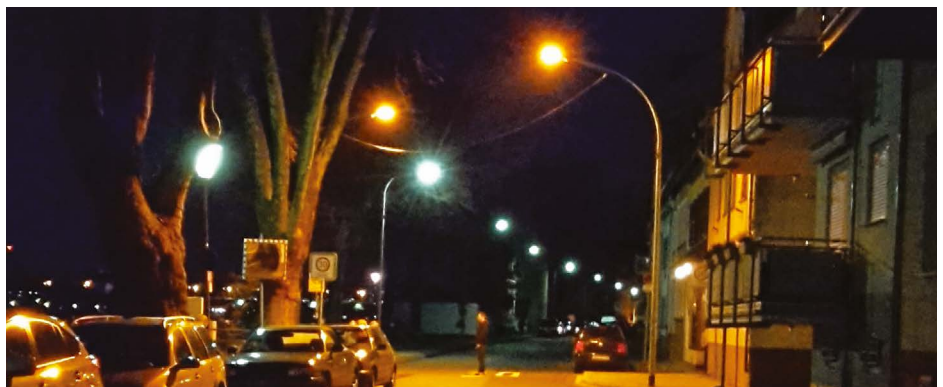
colour temperature 4.000K (light colour 740)

| | | | | | |
|------------|------------|-----|--------|-----|------|
| 47000 0448 | 47 6403FUE | 140 | 22.030 | 157 | 10,3 |
|------------|------------|-----|--------|-----|------|

colour temperature 3.000K (light colour 730)

| | | | | | |
|------------|----------------|-----|--------|-----|------|
| 47000 0467 | 47 6403FUE 730 | 140 | 20.930 | 150 | 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).



Pedestrian crossing illuminated with 1.800K (Amber)

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

Accessories / Spare Parts

| Article no. | Type | |
|-------------|-------------------|---|
| 47001 9002 | ABD 47 | cover, pane safety glass clear, for 47... |
| 90306 0001 | RZ 60/42 UNI | adapter for mast top ø of 42mm, black |
| 90113 0019 | HA 32/L80/L100 VS | backside light shielding for 47 32.. |
| 90113 0020 | HA 48/L150 VS | backside light shielding for 47 48.. |
| 90113 0021 | HA 64/L210 VS | backside light shielding for 47 64.. |