

**Order No.:** 51FP109P440H | **GTIN (EAN):** 4058352392904

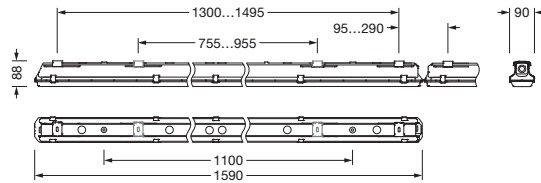
**Product description:** Mon12,wd,4120lm840,0/1,CLOi,PMMA



Monsun® 12, damp-proof luminaire, chain hanger, primary optical cover: enclosure, of PMMA, light emission: direct distribution, primary light characteristic: symmetric, installation type: suspended mounting, surface-mounted, horizontal mounting, vertical mounting, LED rated luminous flux: 4.120 lm, light colour: 840, colour temperature: 4000K, control gear: ECG, with terminal, 3-pole, max. 2.5mm<sup>2</sup>, mains connection: 220..240V, AC, 50/60Hz, rated input power: 23W, luminaire housing, of glass-fibre reinforced polyester, uncoated, bright grey, length: 1.590 mm, width: 90 mm, height: 88mm, clip for enclosure, of stainless steel (V2A), ceiling mounting element, of stainless steel (V2A), chain hanger, of stainless steel (V2A), protection rating (complete): IP66, insulation class (complete): insulation class I (protective earthing), certification: CE, ENEC, VDE, protection symbol: D, impact resistance: IK04, permissible ambient temperature for indoor applications: -35..+40°C, standard: EN 50419, EN 60598-2-1, no direct snow, no direct sun, no direct rain, for indoor or canopied outdoor use, corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, for animal farming (ammonia tested): for use in cowhouse, pig house, horse-stables... (not for use in poultry stables), AT max for animal farming = 40°C, packaging unit: 1 piece



Lamps:	LED
Wt. (kg):	2.5
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Detailed technical description: Mon12,wd,4120lm840,0/1,CLOi,PMMA



### Key data

- Product type: damp-proof luminaire
- Product name: Monsun® 12
- Order No.: 51FP109P440H

### Lighting technology | Lamps | Control gear

#### Component 1

#### Lighting technology:

- Cover: enclosure
- Beam angle: wide distribution
- Symmetry: symmetric distribution
- Light emission: direct distribution

#### Lamps:

- Lamps: with LED
- Rated luminous flux: 4120lm
- Luminous efficacy: 180lm/W
- Colour temperature: 4000K
- Colour rendering index: CRI > 80
- Light colour: 840
- SDCM (Standard Deviation of Colour Matching): MacAdam ≤ 3 SDCM (initial)
- Rated input power: 23W
- Supplement: halogen-free wiring, without flicker

#### Operating device:

- Control gear: ECG
- Control: 0/1, CLOi

#### Certificates, Standards

- Protection rating: IP66
- Insulation class: insulation class I (protective earthing)
- Impact resistance: IK04
- Protection symbol: D
- Temperature range (operation): -35..+40°C
- Supplement: corresponds to IFS (International Featured Standards) requirements for safety and quality in the food industry, for indoor or canopied outdoor use, no direct snow, no direct sun, no direct rain, for animal farming (ammonia tested): for use in cowhouse, pig house, horse-stables... (not for use in poultry stables), AT max for animal farming = 40°C
- Standard: EN 50419, EN 60598-2-1
- Certification, designation: CE, ENEC, VDE

### Material, Colour

- luminaire housing: glass-fibre reinforced polyester, uncoated, bright grey, incl. chain hanger
- Colour specification: bright grey
- clip for enclosure: stainless steel (V2A)
- Quantity: 10 piece
- ceiling mounting element: stainless steel (V2A), ceiling mounting included
- Quantity: 2 piece
- chain hanger: stainless steel (V2A)
- Quantity: 2 piece
- Cover: enclosure of PMMA

### Mounting

- Mounting method, mounting location: suspended mounting, surface-mounted, horizontal mounting, vertical mounting, to the ceiling, to the wall, to the Licross® mounting rail
- Arrangement: single/continuous arrangement
- Supplement: luminaire includes fixing accessories for ceiling surface mounting; for other types of installation: please order mounting accessories separately

### Electrical connection

- Connection: terminal, 3-pole, max. 2.5mm<sup>2</sup>
- Nominal voltage: 220..240V, 50/60Hz, AC

### Dimensions, Weight

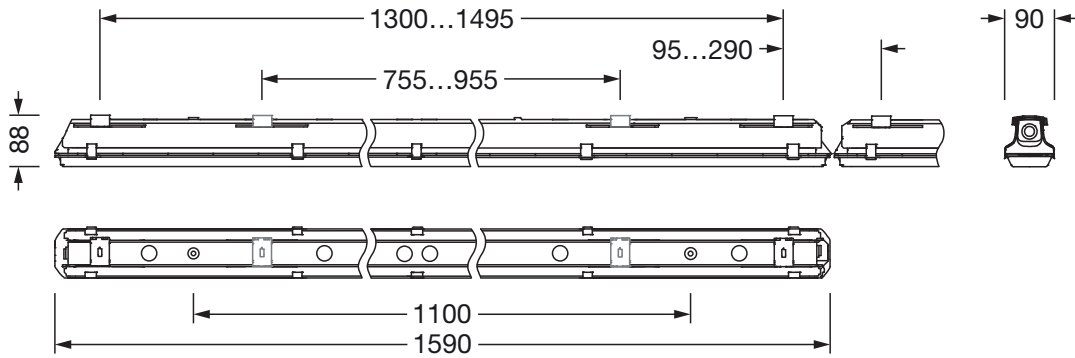
- Length: 1590mm
- Width: 90mm
- Height: 88mm
- Weight: 2.5kg

### Service life

- Rated service life: 50000h (L90/B50) at AT = 25°C, 70000h (L80/B50) at AT = 35°C

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Dimensions: Mon12,wd,4120lm840,0/1,CLOi,PMMA



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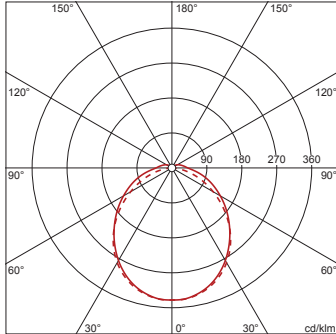
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## 51FP109P440H: 1x LED

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LED 4000 K | CRI  $\geq$  80  $\phi_N$  4120 lm



$\phi_{\downarrow}$  94%  $\phi_{\uparrow}$  6%

Luminance values (cd/m<sup>2</sup>)

	C 0/180	C 90/270
L <sub>80</sub>	4922	4289
L <sub>70</sub>	5481	5970
L <sub>65</sub>	5741	6579

UGR 23.7 22.3

X 4H Y 8H  $\rho$  70/50/20 S 0.25H