

ELSPRO®

MILAN





## LED Spotlights MILAN

### Save costs

### Save time

### Increased safety

#### 5mm tempered safety glass

##### with UV filter

Prevents blue light from escaping

- Protects people and animals
- Protects insects

#### Flexible mounting

Thanks to robust mounting bracket, inclination from  $-120^{\circ}$  to  $+120^{\circ}$  can be adjusted optionally as a mobile luminaire with a tripod holder for DIN spigots in accordance with DIN 14640

Highly efficient Zhaga Standard (Book 15) LEDs with 156 L/W. Power Factor > 0.98

Plastic powder-coated aluminium die-cast housing (colour RAL 9022) robust, weatherproof and corrosion-resistant  
**Impact resistance IK10**  
Resistant to mechanical stress, such as heavy hail

#### Pressure equalisation valve

Prevents condensation and maintain IP tightness

Multifunctional high-tech LED driver dimmable 1-10 V.

Surge protection 20 kA (10 kV) - protects against costly failures

#### Automatic mains interruption

When opening the housing\*

#### Degree of protection

##### IP66

Dust-proof and protected against strong water splashes from all directions

#### Two-zone concept

(Two chambers for LED module and driver) for optimal thermal management

#### Aerodynamic design

- Low contamination due to smooth surface
- No cooling fins are necessary for heat dissipation

#### Beam angle

##### Asymmetric (A4)

Excellent and uniform surface illumination

\* For EML250 and EML460

– Further models, accessories and spare parts on request / subject to change and error –



### MODELS:

Voltage	Power	Luminous flux	Luminaires	Colour temperature	Dimensions (L x W x H)	Weight	Order no.
220 - 240 V AC 47 - 63 Hz	80 W	12,312 lm	36 pieces (3 x 12) High-power LED	4,000 K	390 283 283 x 73 mm	4.2 kg	<b>EML80</b>
	140 W	21,706 lm	48 pieces (3 x 16) High-power LED		490 390 283 x 81 mm	8.2 kg	<b>EML140</b>
	250 W	39,045 lm	96 pieces (6 x 16) High-power LED		595 460 283 x 95 mm	12.1 kg	<b>EML250</b>
	460 W	71,318 lm	168 pieces (14 x 12) High-power LED		727 558 283 x 107 mm	19.8 kg	<b>EML460</b>

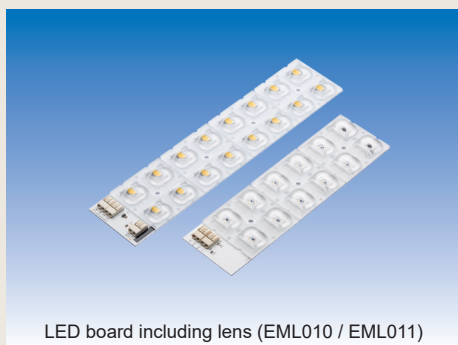
### SPECIAL FEATURES:

- **LED life L90B10 > 100,000 hours**  
Driver life < 70°C = 100,000 hours
- **Up to 156 lumens/watt** (154 – 155 – 156 – 155)
- Modular concept
- Outstanding price/performance ratio (lm/€)
- 36, 48, 96 or 168 high power LEDs type 5050
- Ambient temperature -35°C to +50°C.
- Highly resistant to 5G vibration
- Luminosity class G6 and Upward Light Ratio (ULR) = 0%
- Photobiological safety class RG0 (No risk)
- Protection class 1
- Colour Rendering Index (CRI) > 70
- Light-weight, only 4.2 / 8.2 / 12.1 or 19.8 kg
- Outstanding, proven durability
- Highly efficient LED technology: High luminous efficiency with low energy consumption – one of the most powerful and efficient LED spotlights on the market
- Future-proof and sustainable thanks to easy-to-replace luminaire components (LEDs, drivers, lens optics, safety glass)
- Low payback times
- Homogeneous light image
- Use even with large temperature fluctuations
- No light emissions in the upper half-space and therefore no light pollution
- Maximum safety for the user
- Easy installation and maintenance

– Further models on request / subject to change and error –



Safety glass (EML005 - EML008)



LED board including lens (EML010 / EML011)

## ACCESSORIES AND SPARE PARTS:

Safety glass (5 mm) with UV filter

- MILAN 80 W
- MILAN 140 W
- MILAN 250 W
- MILAN 460 W

LED board including lens

- Colour temperature 4,000 K.
- Colour Rendering Index (CRI) > 70
- LED life L90B10 > 100,000 hours
- 12 LEDs, total luminous flux 6,313 lm
- 16 LEDs, total luminous flux 8,417 lm

LED driver (not shown)

- Input voltage 230 V AC
- LED driver dimmable 1 - 10 V DC
- Continuous current 1,000 mA
- Nominal power 75 W (EML80)
- Nominal power 150 W (EML140)
- Nominal power 2 x 150 W (EML250)
- Nominal power 250 W.
- Nominal power 2 x 250 W (EML460)

Order no.

**EML005**

**EML006**

**EML007**

**EML008**

**EML010**

**EML011**

**EML001**

**EML002**

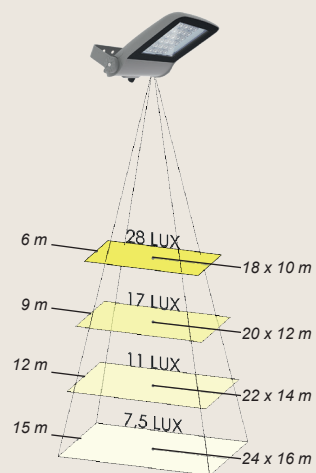
**EML002/SET**

**EML003**

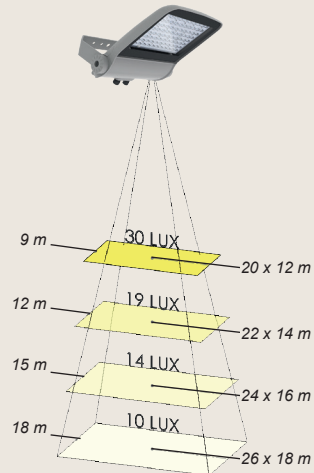
**EML003/SET**

## LIGHTING SPECIFICATIONS:

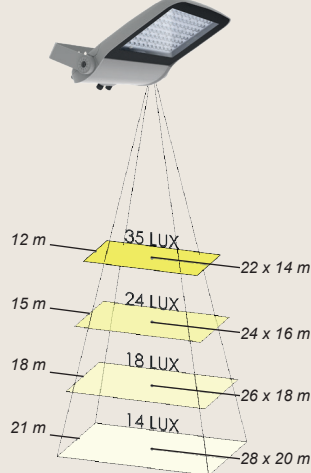
### EML80



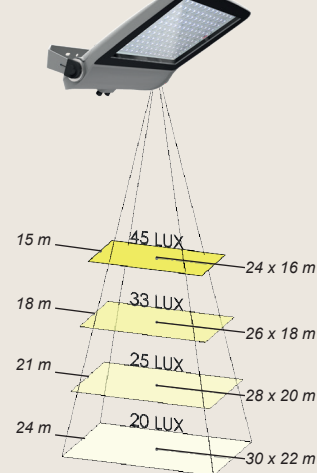
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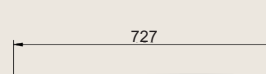
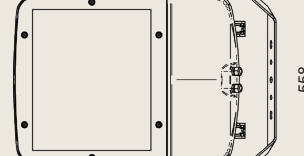
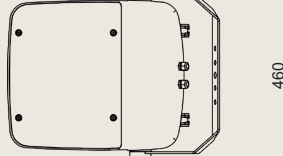
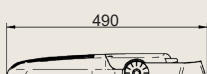
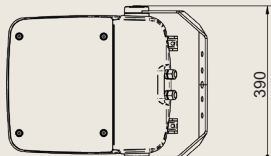
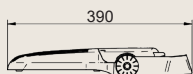
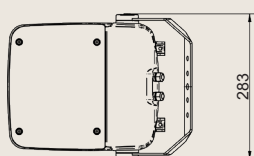
### EML250



### EML460



## DIMENSIONS:



– Further models, accessories and spare parts on request / subject to change and error –