ELSPRO®

MILAN

ELSPRO®
S
PREMIUM

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° to +120° 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

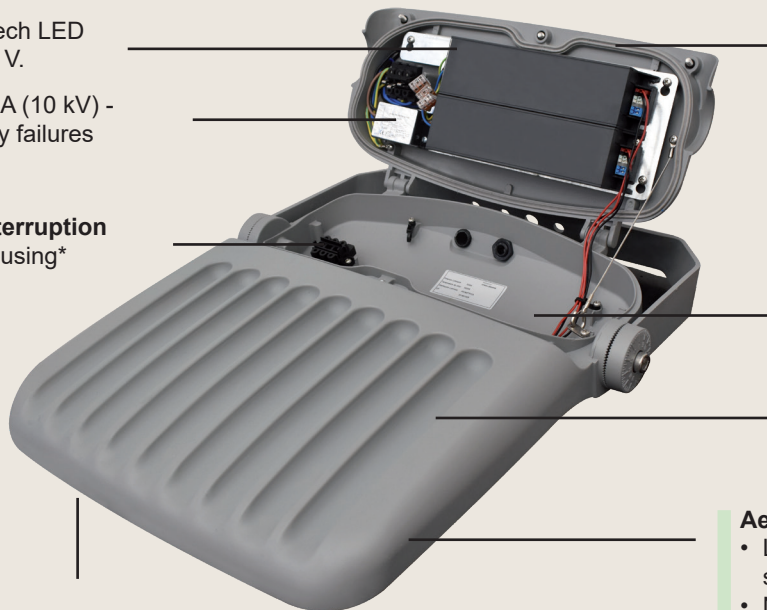**Two-zone concept**
(Two chambers for LED module and driver) for optimal thermal management

Beam angle Asymmetric (A4)
Excellent and uniform surface illumination

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

* For EML250 and EML460

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

16.2

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IP66 CE

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	**EML80**
	140 W	21,706 lm	48 pieces (3 x 16) High-power LED		490 390 283 x 81 mm	8.2 kg	**EML140**
	250 W	39,045 lm	96 pieces (6 x 16) High-power LED		595 460 283 x 95 mm	12.1 kg	**EML250**
	460 W	71,318 lm	168 pieces (14 x 12) High-power LED		727 558 283 x 107 mm	19.8 kg	**EML460**

SPECIAL FEATURES:

- **LED life L90B10 > 100,000 hours**
  Driver life < 70°C = 100,000 hours

→ Outstanding, proven durability

- **Up to 156 lumens/watt** (154 – 155 – 156 – 155)

→ Highly efficient LED technology: High luminous efficiency with low energy consumption – one of the most powerful and efficient LED spotlights on the market

- Modular concept

→ Future-proof and sustainable thanks to easy-to-replace luminaire components (LEDs, drivers, lens optics, safety glass)

- Outstanding price/performance ratio (lm/€)

→ Low payback times

- 36, 48, 96 or 168 high power LEDs type 5050

→ Homogeneous light image

- Ambient temperature -35°C to +50°C.

→ Use even with large temperature fluctuations

- Highly resistant to 5G vibration
- Luminosity class G6 and Upward Light Ratio (ULR) = 0%

→ No light emissions in the upper half-space and therefore no light pollution

- Photobiological safety class RG0 (No risk)

→ Maximum safety for the user

- Protection class 1
- Colour Rendering Index (CRI) > 70
- Light-weight, only 4.2 / 8.2 / 12.1 or 19.8 kg

→ Easy installation and maintenance

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

Safety glass (EML005 - EML008)
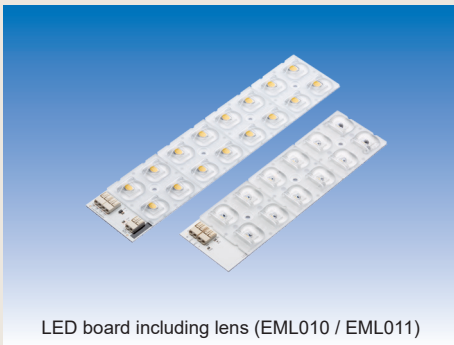
LED board including lens (EML010 / EML011)

ACCESSORIES AND SPARE PARTS: Order no.

Safety glass (5 mm) with UV filter

•	MILAN 80 W	**EML005**
•	MILAN 140 W	**EML006**
•	MILAN 250 W	**EML007**
•	MILAN 460 W	**EML008**

LED board including lens
- Colour temperature 4,000 K.
- Colour Rendering Index (CRI) > 70
- LED life L90B10 > 100,000 hours

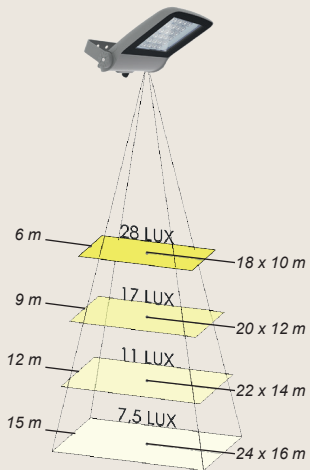|		
•	12 LEDs, total luminous flux 6,313 lm	**EML010**
•	16 LEDs, total luminous flux 8,417 lm	**EML011**

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)	**EML001**
•	Nominal power 150 W (EML140)	**EML002**
•	Nominal power 2 x 150 W (EML250)	**EML002/SET**
•	Nominal power 250 W.	**EML003**
•	Nominal power 2 x 250 W (EML460)	**EML003/SET**

LIGHTING SPECIFICATIONS:

EML80

6 m	28 LUX	18 x 10 m
9 m	17 LUX	20 x 12 m
12 m	11 LUX	22 x 14 m
15 m	7.5 LUX	24 x 16 m

EML140

9 m	30 LUX	20 x 12 m
12 m	19 LUX	22 x 14 m
15 m	14 LUX	24 x 16 m
18 m	10 LUX	26 x 18 m

EML250

12 m	35 LUX	22 x 14 m
15 m	24 LUX	24 x 16 m
18 m	18 LUX	26 x 18 m
21 m	14 LUX	28 x 20 m

EML460

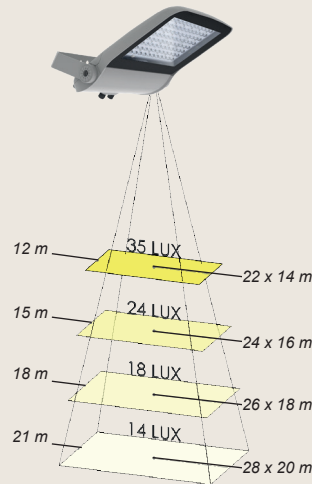| 15 m | 45 LUX | 24 x 16 m |
18 m	33 LUX	26 x 18 m
21 m	25 LUX	28 x 20 m
24 m	20 LUX	30 x 22 m

DIMENSIONS:

283

390

460

558

390
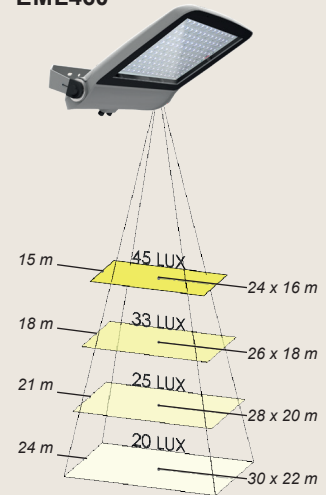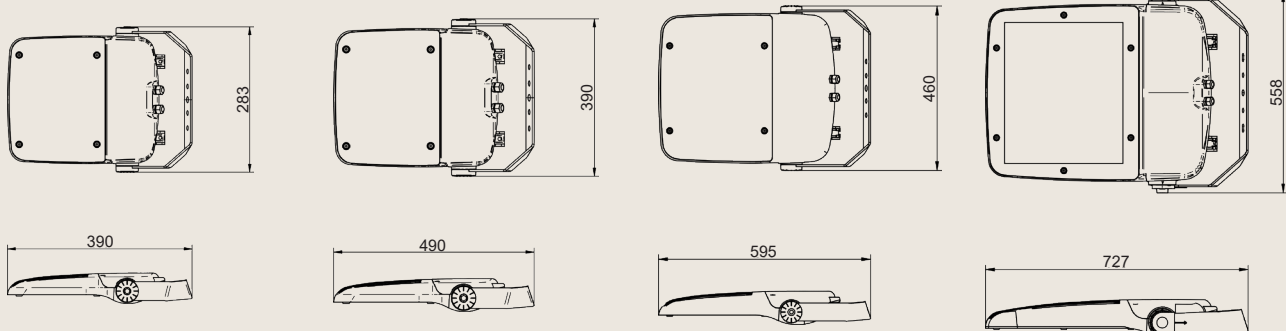

490

595

727

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