



# WEATHERPROOF LUMINAIRES





# Zalux at a glance

## **HISTORY**

ZALUX was founded in 1980, with a clear orientation to customer service. This strategy, together with a good quality product range and adequate logistic procedure, have placed the company as leader in the lighting market, particularly in the weatherproof luminaires and industrial batten segments.

In 2000, TRILUX puts all its confidence in ZALUX, incorporating it to its group. Thus, the Spanish company has a support in improvement, research and development of the luminaires.

## **ZALUX EVOLVES**

The increasing concern for sustainability and the environment have generated new technology development focused on energy saving and reduction of CO<sub>2</sub> emissions. The lighting sector has found in LED technology a way to follow this movement.

Zalux is committed with this trend and incorporates this new technology in its new purpose built luminaires.

## WAREHOUSE AND LOGISTICS

Our warehouse is located in over 10.000 m<sup>2</sup> in Alhama de Aragón and managed by the most advanced software management systems to guarantee the correct distribution.

## QUALITY AND ENVIRONMENT

Since 1997 ZALUX works under an UNE-EN ISO 9001 certified Quality System.

The implementation of an Integrated System for Quality and Environment Management, has been ZALUX's latest step for the protection of the environment, furthermore achieving the certification UNE-EN ISO 14001 in 2007.

ZALUX monitors the quality of the products through the laboratories and the production lines according to the electric safety standard and tests.

## DEVELOPMENT AND FUTURE

Update of our portfolio is a key issue for ZALUX caring about customer service, product research and development, and offering the most efficient solutions, both on luminous and energetic output, without leaving behind design aspects.



100% Made in Spain



In over 70 countries worldwide



European leader in weatherproof  
luminaires  
-  
4 Million weatherproof  
luminaires per year

### QUALITY PRODUCT MADE IN SPAIN

ZALUX products are manufactured in Spain, in our two plants of over 42.000 m<sup>2</sup> in Alhama de Aragón.

All materials and components used in our luminaires, come from reputable manufacturers, who sustain the good quality by means of the relevant mechanical, electrical and environmental certificates, among which, we can find the latest requests included in the RoHS directive.

Automatisation and continuous improvement are the pillars of our efficiency in the productive process.

### SPECIALISATION AND SERVICE

ZALUX's product range offers a wide variety of models that covers the market needs.

In addition to this catalogue ZALUX can offer different guidance and variations that will meet specific expectations out of standard.

ZALUX is composed of qualified work teams in the different areas of the company and disposes of a customer based sales and technical staff, able to solve any query or necessity whenever required.



# ALHAMA



Dust and damp-proof luminaire with modern aesthetics and ease of installation. An all-round solution for general applications and where an increased impact resistance is needed.

- Cellars
- Sheds
- Plant rooms
- Warehouses
- Open and closed parking areas
- Workstations
- Corridors



PC  
850°C  
IK08

IP66

RoHS



## MATERIAL

Housing: Polycarbonate (RAL 7035)

Diffuser: Transparent polycarbonate (PC)

Gear tray: White laquered steel plate

Clips: Plastic

Gasket: Polyurethane, poured in one piece

## PRODUCT OPTIONS

- Transparent PMMA diffuser
- Housing in different colours
- Stainless steel clips
- Special Voltages: 220V / 50-60Hz; 240V / 50Hz; 110V / 50-60Hz
- Through wiring: 3x1.5mm<sup>2</sup>; 3x2.5mm<sup>2</sup>; 5x1.5mm<sup>2</sup>; 5x2.5mm<sup>2</sup>
- Fast connector for easy mounting
- Emergency kit: Maintained, non-maintained or combined function and duration of 1 or 3 hours
- Presence sensor
- Dimmable ballast (analog: ED / digital: EDD)

## MOUNTING ACCESSORIES

Fixing brackets and suspension triangle included.

## ACCESSORIES *(must be ordered separately)*

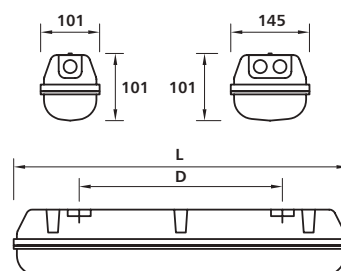
- Reflector in polished aluminium (MIRO 4)
- Steel wire 2m with hook and fastener (10103049)

Rated voltage: 230V

Frequency: 50Hz

Ta: -5° to 40°C

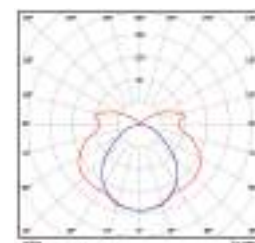
Ta emergency: 0° to 40°C








## ALHAMA T8 PC

| Description                   | Code     |
|-------------------------------|----------|
| ALHAMA 136 E PC Made in Spain | 10106916 |
| ALHAMA 158 E PC Made in Spain | 10106917 |
| ALHAMA 218 E PC Made in Spain | 10116685 |
| ALHAMA 236 E PC Made in Spain | 10106918 |
| ALHAMA 258 E PC Made in Spain | 10106919 |

E Electronic (High frequency)



ALHAMA 2x54W

|  | L    | D    |  | <br>L x W x H (mm) | Vol.<br>[m <sup>3</sup> ] | <br>KG | <br>EuroPallet |
|---|------|------|---|---|---------------------------|---|---|
| 1x36W   | 1277 | 800  | 1   | 1287x105x75   | 0.0101                    | 2.05  | 147   |
| 1x58W   | 1573 | 1100 | 1   | 1583x105x75   | 0.0125                    | 2.53  | 147   |
| 2x18W   | 660  | 390  | 1   | 670x150x75  | 0.0075                    | 1.78  | 210   |
| 2x36W   | 1277 | 800  | 1   | 1287x150x75   | 0.0145                    | 2.78  | 105   |
| 2x58W   | 1573 | 1100 | 1   | 1583x150x75   | 0.0178                    | 3.41  | 105   |

# PEP



A versatile and robust weatherproof luminaire with a classic line design for a wide range of general and industrial applications.

- Open and closed parking areas
- Workstations
- Warehouses
- Corridors
- Production halls



PC  
850°C  
IK08

IP65

RoHS



## MATERIAL

Housing: Glass fibre reinforced polyester (RAL 7035)

Diffuser: Transparent polycarbonate (PC)

Gear tray: White laquered steel plate

Clips: Plastic

Gasket: Polyurethane, poured in one piece

## PRODUCT OPTIONS

- Special Voltages: 220V / 50-60Hz; 240V / 50Hz; 110V / 50-60Hz
- Through wiring: 3x1.5mm<sup>2</sup>; 3x2.5mm<sup>2</sup>; 5x1.5mm<sup>2</sup>; 5x2.5mm<sup>2</sup>
- Stainless steel clips
- Emergency kit: Maintained, non-maintained or combined function and duration of 1 or 3 hours
- Dimmable ballast (analog: ED / digital: EDD)

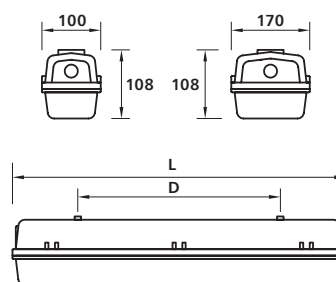
## ACCESSORIES (must be ordered separately)

- Steel wire 2m with hook and fastener (10103049)
- Suspension kit (414551)
- High polished aluminium reflector (MIRO 4)

Rated voltage: 230V Frequency: 50Hz

Ta: -5° to 40°C

Ta emergency: 0° to 40°C



## PEP T8

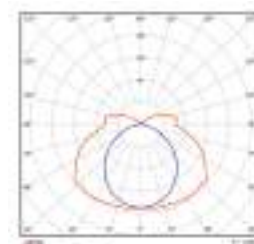
| Description                       | Code     |
|-----------------------------------|----------|
| PEP 118 L 240V/50Hz Made in Spain | 10116010 |
| PEP 136 L 240V/50Hz Made in Spain | 10116011 |
| PEP 158 L 240V/50Hz Made in Spain | 10116027 |
| PEP 218 L 240V/50Hz Made in Spain | 10116028 |
| PEP 236 L 240V/50Hz Made in Spain | 10097409 |
| PEP 258 L 240V/50Hz Made in Spain | 10116029 |

L Low power factor






Suspension kit

414551



PEP 2x36W

|  | L    | D    |  | L x W x H (mm) | Vol. [m <sup>3</sup> ] | KG   |  |
|---|------|------|---|----------------|------------------------|------|---|
| 1x18W   | 666  | 230  | 1   | 713x106x90     | 0.0068                 | 1.82 | 224   |
| 1x36W   | 1275 | 840  | 1   | 1305x106x90    | 0.0125                 | 2.65 | 112   |
| 1x58W   | 1575 | 1140 | 1   | 1600x106x90    | 0.0153                 | 3.83 | 112   |
| 2x18W   | 666  | 230  | 1   | 713x174x90     | 0.0116                 | 2.32 | 128   |
| 2x36W   | 1275 | 840  | 1   | 1305x174x90    | 0.0204                 | 4.12 | 64  |
| 2x58W   | 1575 | 1140 | 1   | 1600x174x90    | 0.0251                 | 5.67 | 64  |

## RESISTANCE TO CHEMICAL AGENTS

| Chemical Agents            | Polyester | Polycarbonate | Acrylic | Aluminium | PMMA |
|----------------------------|-----------|---------------|---------|-----------|------|
| Acetic acid 10%            | ✓         | ✓             | ✓       | ✓         | ✓    |
| Acetone                    | ●         | x             | x       | ✓         | x    |
| Alcoholic beverages        | ✓         | ✓             | ✓       | ✓         | ●    |
| Aluminium sulphate         | ✓         | ✓             | ✓       | ✓         | ✓    |
| Ammonia 5%                 | ●         | x             | ✓       | ✓         | ✓    |
| Aniline                    | ●         | x             | ●       | ✓         | x    |
| Arsenic acid 20%           | ●         | ✓             | ✓       | ✓         | ✓    |
| Benzene                    | x         | x             | x       | ✓         | x    |
| Bencylic alcohol           | x         | x             | x       | ●         | x    |
| Bromine                    | x         | x             | x       | x         | x    |
| Calcium Chloride           | ✓         | ✓             | ✓       | ✓         | ✓    |
| Calcium nitrate            | ✓         | ✓             | ✓       | ✓         | ✓    |
| Carbon tetrachloride       | x         | x             | x       | ✓         | x    |
| Carbonic acid              | ✓         | x             | x       | ✓         | x    |
| Caustic potash 5%          | x         | x             | ✓       | x         | ✓    |
| Cement                     | ✓         | ✓             | ✓       | ✓         | ✓    |
| Hydrochloric acid 1-5%     | ●         | ✓             | ✓       | x         | ✓    |
| Chlorine liquids (vapours) | x         | x             | x       | x         | x    |
| Chloroform                 | x         | x             | x       | ✓         | x    |
| Chromic acid               | x         | ●             | ●       | x         | ●    |
| Citric acid 20%            | ✓         | ✓             | ✓       | ✓         | ✓    |
| Copper sulphate            | ✓         | ✓             | ✓       | x         | ✓    |
| Diesel-naphta oil          | ✓         | ●             | ✓       | ✓         | ✓    |
| Ethyl alcohol 30%          | ✓         | ✓             | ✓       | ✓         | ●    |
| Ethyl chloride             | x         | x             | x       | ●         | x    |
| Ethyl ether                | ✓         | x             | x       | ✓         | x    |
| Food oils and fats         | ✓         | x             | ✓       | ✓         | ✓    |
| Formic acid 10%            | ●         | ✓             | ✓       | x         | ✓    |
| Glycerine                  | ✓         | ✓             | ✓       | ✓         | ✓    |
| Hexane                     | ●         | ✓             | ✓       | ✓         | ✓    |
| Iodine                     | ✓         | x             | x       | ●         | ✓    |
| Iron chloride              | ✓         | ✓             | ✓       | ●         | ✓    |
| Isopropyl alcohol          | ✓         | ●             | ●       | ✓         | ●    |
| Lubricating oil            | ✓         | ✓             | ✓       | ✓         | ✓    |
| Magnesium sulphate         | ✓         | ✓             | ✓       | ✓         | ✓    |
| Methanol                   | ✓         | x             | x       | ✓         | ●    |
| Mineral oils               | ✓         | ✓             | ✓       | ✓         | ✓    |
| Nitric acid 20%            | x         | ●             | ●       | x         | ✓    |
| Oxygen                     | ✓         | ✓             | ✓       | ✓         | ✓    |
| Ozone                      | ✓         | ✓             | ✓       | ✓         | ✓    |
| Perchloric acid 10%        | x         | ✓             | ✓       | x         | ✓    |
| Petrol                     | ✓         | x             | ✓       | ✓         | ✓    |
| Phenol                     | ●         | x             | x       | ✓         | x    |
| Pothassium bromide         | ✓         | ✓             | ✓       | ●         | ✓    |
| Pothassium nitrate         | ✓         | ✓             | ✓       | ✓         | ✓    |
| Pothassium permanganate    | ✓         | ✓             | ✓       | ✓         | ✓    |
| Sea climate                | ✓         | ✓             | ✓       | ●         | ✓    |
| Silicon oils               | ✓         | ✓             | ●       | ✓         | ●    |
| Soda bleach 15%            | ✓         | x             | ✓       | ●         | ✓    |
| Sodium chloride            | ✓         | ✓             | ✓       | ●         | ✓    |
| Sodium hydroxide 5%        | ✓         | x             | ✓       | x         | ✓    |
| Sodium sulphate            | ✓         | ✓             | ✓       | ✓         | ✓    |
| Sugar                      | ✓         | ✓             | ✓       | ✓         | ✓    |
| Sulphur                    | ✓         | ✓             | ✓       | ✓         | ✓    |
| Sulphuric acid 30%         | x         | ✓             | ✓       | x         | ✓    |
| Toluene                    | x         | x             | x       | ✓         | x    |
| Trichloroethylene          | x         | x             | x       | ✓         | x    |
| Zinc sulphate              | ✓         | ✓             | ✓       | ●         | ✓    |

|   |                      |
|---|----------------------|
| ✓ | Resistant            |
| ● | Relatively resistant |
| x | Non-resistant        |

## IP & IK PROTECTION CLASSES

↓  
**IP 66**

### FIRST INDEX FIGURE

Protection against the penetration of solid matter and dust.

|   |  |
|---|--|
| 0 | Unprotected  |
| 1 | Protected against solid matter greater than 50 mm  |
| 2 | Protected against solid matter greater than 12 mm  |
| 3 | Protected against solid matter greater than 2.5 mm   |
| 4 | Protected against solid matter greater than 1 mm<br>(e.g. small tools, small cables, etc.) |
| 5 | Protected against dust (without damaging sediment)   |
| 6 | Protected against dust   |

↓  
**IP 66**

### SECOND INDEX FIGURE

Protection against the penetration of liquids.

|   |   |
|---|---|
| 0 | Unprotected   |
| 1 | Protected against vertical water splashes (condensation)      |
| 2 | Protected against water splashes of up to 15° of the vertical |
| 3 | Protected against water splashes of up to 60° of the vertical |
| 4 | Protected against water projections in all directions         |
| 5 | Protected against water assault in all directions             |
| 6 | Protected against water assault similar to heavy seas         |
| 7 | Protected against immersion                                   |
| 8 | Protected against prolonged effects of underwater immersion   |

The protection level of the luminaires against the penetration of dust, solid matter and dampness is in accordance with the UNE 20324-93 and the EN 60529 standards, a classification awarded for protection levels provided for the coverings.

The third figure level of protection is in accordance with annexe ZB of UNE 20324-93 standard, and deals with mechanical protection against impact.



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