

# **EMERGENCY LIGHTING LUMINAIRES** SENSORLIGHT - LED MANTA LED



Indoor and outdoor use Polycarbonate case Soft lighting with sanded glass Microwave radar sensor Adjustable lighting duration Adjustable night / day working mode High energy saving with LED lighting Long life-time (50.000 hours) 4000 K / 6500 K Color temperature Emergency lighting function by interruption of the unswitched phase 3 hours duration in case of emergency Charge status display with green LED High-temperature Ni-Cd battery cells Overcharge and deep discharge protection Wall and ceiling mounted (\*)Optional - Fire phase application Optional - 110 VAC compatibility

\* The sensor is out-of-service when the luminaire is supplied on the fire line in case of emergency. This feature is applied to only 9W models.































## **TECHNICAL DATA**

| SUPPLY VOLTAGE :          | 230 VAC 50/60 Hz | SENSOR TYPE :     | Microwave Radar Sensor |
|---------------------------|------------------|-------------------|------------------------|
| AMBIENT TEMPERATURE (ta): | -5 °C +40 °C     | CASE MATERIAL :   | Polycarbonate          |
| RATED DURATION:           | 3 h              | LIGHT SOURCE :    | SMD LED                |
| BATTERY CHARGING TIME :   | 24 h             | PROTECTION CLASS: | IP 65                  |
| BATTERY TYPE :            | 3,6 V Ni-Cd      | INSULATION CLASS: | II.                    |

#### **PRODUCT LIST**

| PRODUCT<br>CODE         | RATED<br>DURATION | OPERATING<br>MODE*  | LIGHT<br>SOURCE | LIGHT INTENSITY on<br>ENERGY/EMERGENCY | TYPE OF MOUNTING | BATTERY<br>CHARGING TIME |
|-------------------------|-------------------|---------------------|-----------------|--|------------------|--------------------------|
| AA105-MANTA-L6D/350     | -                 | Luminaire           | 16W / - LED     | 1750lm / -                             | Surface Mounte   | d -                      |
| AA105-MANTA-L6D/350/K3  | 3 h               | Maintained          | 16W / 3W LED    | 1750lm / 250 lm                        | Surface Mounte   | d 48 h                   |
| AA105-MANTA-L6SD/500    | -                 | Luminaire + Sensor  | 23 W / - LED    | 2500 lm / -                            | Surface Mounte   | d -                      |
| AA105-MANTA-L6SD/500/K3 | 3 h               | Maintained + Sensor | 23 W / 3 W LED  | 2500 lm / 250 lm                       | Surface Mounte   | d 48 h                   |

<sup>\*</sup> Luminaire: Lights just on mains. Maintained: Lights on mains and stays alight in case of the mains failure. (With battery kit) Sensor: Lights on mains through sensor.

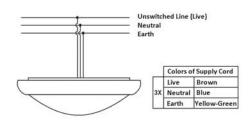
## MAINS DATA

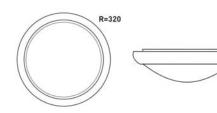
| PRODUCT<br>CODE       | STAND-BY<br>RATED POWER ( | RATED<br>W)*POWER (W)* | MAINS<br>CURRENT (A)* | POWER<br>FACTOR (PF)* | DIMENSIONS<br>(mm) | WEIGHT<br>(kg) | QTY<br>in CARTON BOX |
|-----------------------|---------------------------|------------------------|-----------------------|-----------------------|--------------------|----------------|----------------------|
| AA105-MANTA-L6D/350   | -                         | 20,5                   | 0,125                 | 0,72                  | 320 x 320 x 115    | 1,25           | 1                    |
| AA105-MANTA-L6D/350/k | <3 3,0                    | 24,5                   | 0,135                 | 0,77                  | 320 x 320 x 115    | 1,70           | 1                    |
| AA105-MANTA-L6SD/500  | 0,7                       | 30,0                   | 0,170                 | 0,70                  | 320 x 320 x 115    | 1,30           | 1                    |
| AA105-MANTA-L6SD/500, | /K3 3,7                   | 33,0                   | 0,185                 | 0,74                  | 320 x 320 x 115    | 1,75           | 1                    |

<sup>\*</sup> Measured under 230 V mains.

#### **WIRING DIAGRAM**

#### **TECHNICAL DRAWING**





## PHOTOMETRY DATA

| Open Area (Anti-Panic) Lighting<br>(for min. 0,5 lux) |   |                                     | Escape Route Lighting<br>(for min. 1 lux) |   |   |  |
|---|---|-------------------------------------|---|---|---|--|
|   | $\emptyset\!$ | $\bigcirc \leftrightarrow \bigcirc$ |   | $\rangle\!$ | $\bigcirc \longleftrightarrow \bigcirc$ |  |
| Mounting<br>Height (m)                                | Distance Between<br>Luminaire and Wall (m)  | Distance Between<br>Luminaires (m)  | Mounting<br>Height (m)                    | Distance Between<br>Luminaire and Wall (m)  | Distance Between<br>Luminaires (m)      |  |
| 2,00  | 2,25  | 4,00                                | 2,00                                      | 2,25  | 4,25                                    |  |
| 2,50  | 2,50  | 5,00                                | 2,50                                      | 2,50  | 5,00                                    |  |
| 3,00  | 2,75  | 5,50                                | 3,00                                      | 2,75  | 5,50                                    |  |
| 3,50  | 3,00  | 6,25                                | 3,50                                      | 2,75  | 5,75                                    |  |
| 4.00  | 3 25  | 6.50                                | 4.00                                      | 2 75  | 6.25                                    |  |

# LIGHT DISTRIBUTION CURVE

