

EMERGENCY LIGHTING LUMINAIRES – LED RINA

MAINS DATA

PRODUCT CODE	BATTERY CAPACITY	RATED POWER (W) *	MAINS CURRENT (A) *	POWER FACTOR (PF) *	DIMENSIONS (mm)	WEIGHT (kg)	QTY in CARTON BOX
AA104-RINA/1W	3,6V / 900mAh	1,20	0,017	0,31	Spot: 100 x 100 x 25 Unit: 41 x 169,5 x 31,5 Battery: 39 x 221 x 34	0,065 0,080 0,100	1
AA104-RINA/2W	3,6V / 1800mAh	1,75	0,020	0,39	Spot: 100 x 100 x 25 Unit: 41 x 169,5 x 31,5 Battery: 39 x 221 x 34	0,065 0,080 0,165	1
AA104-RINA/3W	3,6V / 3000mAh	2,40	0,025	0,43	Spot: 100 x 100 x 25 Unit: 41 x 169,5 x 31,5 Battery: 39 x 221 x 34	0,065 0,080 0,255	1
AA104-RINA/4W	3,6V / 4000mAh	3,60	0,030	0,51	Spot: 100 x 100 x 25 Unit: 41 x 169,5 x 31,5 Battery: 39 x 221 x 34	0,065 0,080 0,390	1

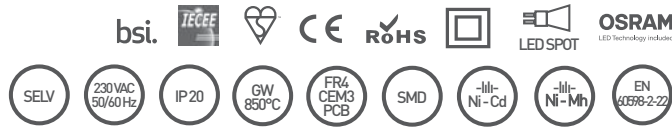
* Measured under 230 V mains.

BATTERY DATA

VOLTAGE	CAPACITY	CELL TYPE	CELL SIZE (mm)	QTY OF CELLS	DIMENSIONS (mm)	WEIGHT (kg)
3,6V	900mAh (Ni-Cd)	AA	15	3	15 x 153±3 x 15	0,085
3,6V	1800mAh (Ni-Cd)	SC	23	3	23 x 129±3 x 23	0,150
3,6V	3000mAh (Ni-Cd)	C	26	3	26 x 150±3 x 26	0,240
3,6V	4000mAh (Ni-Mh)	C	26	3	26 x 150±3 x 26	0,240



- SMD power LED application
- Long life-time (50.000 hours)
- Emergency lighting function by interruption of the unswitched phase
- Emergency lighting function in case of low-voltage
- 3 hours duration in case of emergency
- Status display with green LED
- Test switch
- High-temperature Ni-Cd battery cells
- Overcharge and deep discharge protection
- Polycarbonate case
- Recessed mounted
- Asymmetric lens
- Optional - Symmetric lens application
- Optional - Surface mounted application
- Optional - LiFePO4 battery application



In accordance with EN 60598-1, EN 60598-2-22 standards.

TECHNICAL DATA

SUPPLY VOLTAGE :	230 VAC 50/60 Hz	LIGHT SOURCE :	Power LED
AMBIENT TEMPERATURE (ta) :	0 °C ... +40 °C	DIFFUSER :	Symmetric / Asymmetric LENS
RATED DURATION :	3 h	PROTECTION CLASS :	IP 20
BATTERY CHARGING TIME :	24 h	INSULATION CLASS :	II
BATTERY TYPE :	3,6V Ni-Cd/Ni-Mh		

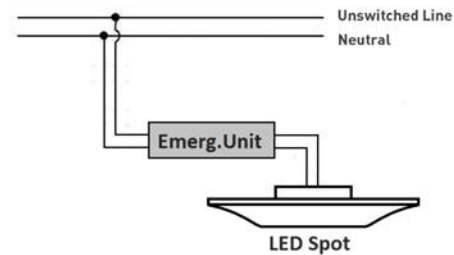
PRODUCT LIST

PRODUCT CODE	RATED DURATION	OPERATING MODE*	LIGHT SOURCE	LIGHT INTENSITY on EMERGENCY**	TYPE of MOUNTING	BATTERY CHARGING TIME
AA104-RINA/1W	3 h	Non-Maintained	Power LED	105->82 lm	Recessed / Surface Mounted	24 h
AA104-RINA/2W	3 h	Non-Maintained	Power LED	205->160 lm	Recessed / Surface Mounted	24 h
AA104-RINA/3W	3 h	Non-Maintained	Power LED	305->238 lm	Recessed / Surface Mounted	24 h
AA104-RINA/4W	3 h	Non-Maintained	Power LED	405->316 lm	Recessed / Surface Mounted	24 h

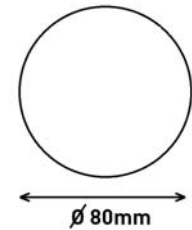
* Non-maintained : Lights in case of the mains failure.

** In lumen values, the larger value indicates the measurement in 60 seconds, the smaller value indicates the value at the end of 3 h.

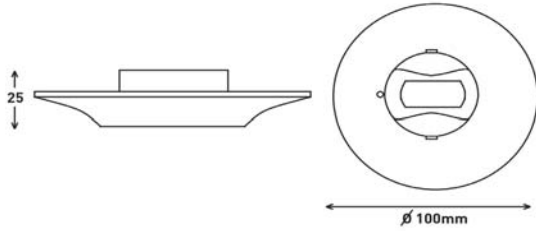
WIRING DIAGRAM



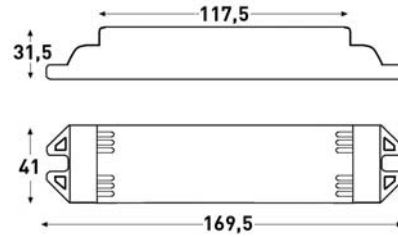
RECESSED MOUNTING HOLE SIZE



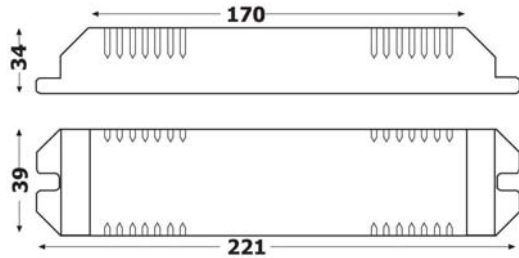
TECHNICAL DRAWING (LED SPOT)



TECHNICAL DRAWING (EMERGENCY UNIT)



TECHNICAL DRAWING (BATTERY BOX)

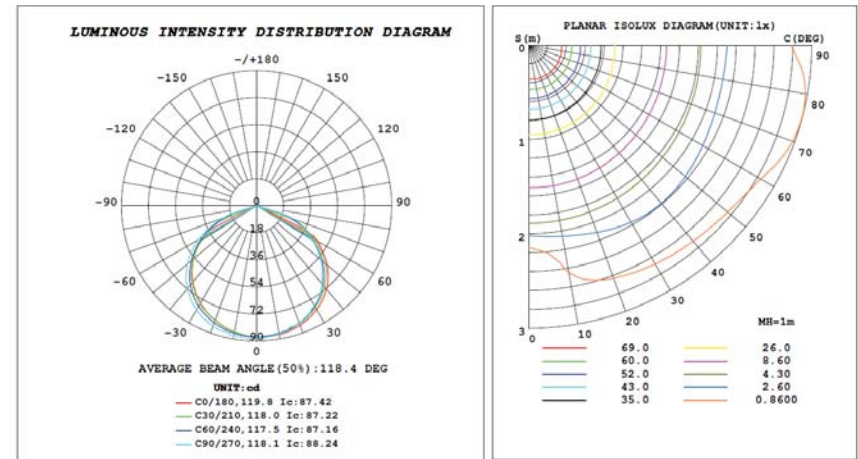


PHOTOMETRY DATA (1W)

Open Area (Anti-Panic) Lighting (for min. 0,5 lux) (Symmetric Lens)			Escape Route Lighting (for min. 1 lux) (Asymmetric Lens)		
Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)	Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)
2,00	2,00	4,00	2,00	5,50	10,50
2,50	2,50	5,00	2,50	7,00	13,50
3,00	2,50	5,00	3,00	6,50	16,00
3,50	3,00	6,00	3,50	6,00	16,50
4,00	3,00	6,50	4,00	3,50	11,50

Open Area (Anti-Panic) Lighting (for min. 0,5 lux) (Symmetric Lens)			Escape Route Lighting (for min. 1 lux) (Asymmetric Lens)		
Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)	Mounting Height (m)	Distance Between Luminaire and Wall (m)	Distance Between Luminaires (m)
2,00	3,00	5,50	2,00	6,50	11,50
2,50	4,00	7,50	2,50	8,00	15,50
3,00	4,50	8,50	3,00	9,50	18,50
3,50	4,50	10,00	3,50	10,50	21,50
4,00	5,00	11,00	4,00	11,00	24,00

LIGHT DISTRIBUTION CURVE (SYMMETRIC LENS)



LIGHT DISTRIBUTION CURVE (ASYMMETRIC LENS)

