



- 180° adjustable LED headlamp
- SMD power LED application
- Long life-time (30.000 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 and red LEDs
- Test switch
- Remote control and test with DALI interface
- Maintenance-free sealed lead acid battery
- Overcharge and deep discharge protection
- Charging circuit with constant voltage and current protect
- Wall mounted
- ABS case
- Optional - 110 VAC compatibility
- Optional - LiFePO4 or Ni-MH battery application

In accordance with EN 60598-1, EN 60598-2-22, EN 62386 standards

## TECHNICAL DATA

SUPPLY VOLTAGE :	230 VAC 50/60 Hz	HEADLAMP TYPE :	9W LED
AMBIENT TEMPERATURE (ta) :	-5 °C ... +40 °C	CASE MATERIAL :	ABS
RATED DURATION :	3 h	PROTECTION CLASS :	IP 65
BATTERY TYPE :	12V Lead-Acid	INSULATION CLASS :	II

## LED INDICATION FUNCTIONS

Permanent GREEN	Charge mode
Fast flashing GREEN (0,1s on - 0,1s off)	Function test
Slow flashing GREEN (1s on - 1s off)	Duration test
Permanent RED	Load failure
Slow flashing RED (1s on - 1s off)	Battery failure
Fast flashing RED (0,1s on - 0,1s off)	Charging failure
Double pulsing GREEN	Inhibit mode
Binary transmission of address via GREEN/RED	Addressing or identification
GREEN and RED off	Emergency mode

## TEST SWITCH FUNCTIONS

Short press (<1s)	Starts the function test or terminate the all tests.
Long press (>5s)*	Starts the duration test

\* The battery must be 100% full before the duration test can be started.

Product Code	Rated Duration	Operating Mode*	Light Source	Light Intensity on Energy/Emergency	Type of Mounting	Battery Charging Time
AA209-PW3/DALI	3 h	Non-Maintained	2x9W LED	- / 1500 lm	Surface Mounted	48 h

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

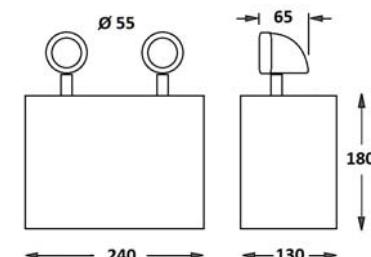
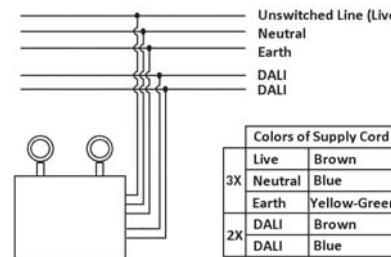
## MAINS DATA

PRODUCT CODE	RATED POWER (W)*	MAINS CURRENT (A)*	POWER FACTOR (PF)*	DIMENSIONS (mm)	WEIGHT (kg)	QTY in CARTON BOX
AA209-PW3/DALI	1.25 - 8.90	0.010 - 0.058	0.50 - 0.67	98 x 255 x 205	4.50	1

\* Measured under 230 V mains.

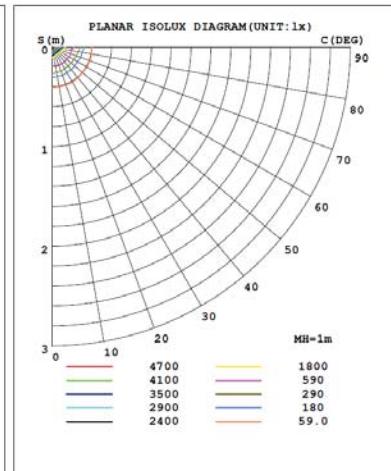
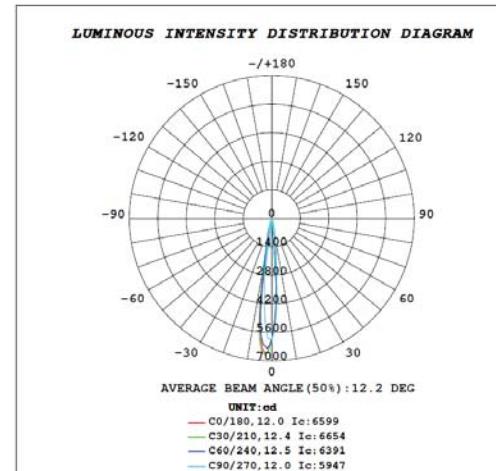
Maximum values are measured with discharged batteries and values are minimum measured with full-charged batteries.

## WIRING DIAGRAM



## TECHNICAL DRAWING

## LIGHT DISTRIBUTION CURVE



\* Above curve is measured data just for one headlamps.