

EMERGENCY LIGHTING LUMINAIRES - LED

TETRA PW3 / WELCO



Wireless communication, Wi-Fi (802.11 b/g/n) Possible to access from anywhere in the world with cloud technology Remote monitoring and testing with WELCO software 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

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 battery application



























In accordance with EN 60598-1, EN 60598-2-22, EN 62034 standards.

TECHNICAL DATA

SUPPLY VOLTAGE:	230 VAC 50/60 Hz	HEADLAMP TYPE :	9W LED
AMBIENT TEMPERATURE (ta)*:	+10 °C +40 °C	CASE MATERIAL :	ABS
RATED DURATION:	3 h	PROTECTION CLASS:	IP 65
BATTERY TYPE :	12V Lead-Acid	INSULATION CLASS:	1

^{*} Optionally, it is produced in accordance with the ambient temperature range of ta = -5 ° C... +40 ° C.

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 LIST

PRODUCT CODE	RATED DURATION	OPERATING MODE*	LIGHT SOURCE	LIGHT INTENSITY on EMERGENCY**	TYPE of MOUNTING	BATTERY CHARGING TIME
AA209-PW3/WELCO	3 h	Non-Maintained	2x9W LED	1590 -> 1340 lm	Surface Mounted	24 h

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

MAINS DATA

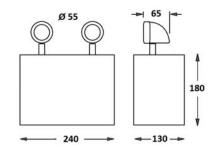
PRODUCT	RATED	MAINS	POWER	DIMENSIONS	WEIGHT	QTY
CODE	POWER (W)*	CURRENT (A)*	FACTOR (PF)*	(mm)	(kg)	in CARTON BOX
AA209-PW3/WELCO	1,25 - 8,90	0,010 - 0,058	0,50 - 0,67	98 x 255 x 205	4,50	

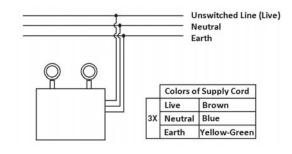
^{*} Measured under 230 V mains.

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

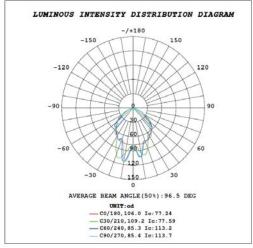
TECHNICAL DRAWING

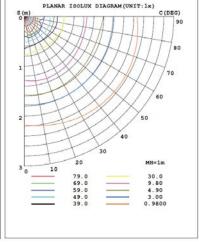
WIRING DIAGRAM





LIGHT DISTRIBUTION CURVE





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

^{*} Above curve is measured data just for one headlamp