



**TYPE APPROVAL CERTIFICATE
N. ELE18111CS15**

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

<i>Description</i>	Lighting Fixtures
<i>Type</i>	EVAC and PRC supply box Series
<i>Applicant</i>	FEAM Via M. Pagano 3 20090 Trezzano S/N (MI) ITALY
<i>Manufacturer</i>	FEAM Via M. Pagano 3 20090 Trezzano S/N (MI) ITALY
<i>Testing Standards</i>	EN 50014:1997 + A1 +A2 ; EN50018:2000+A1; EN50281-1-1:1998 Rules for the Classification of Ships, Part C-Machinery, Systems and Fire Protection – Ch.3 Sect.6, Tab.1

Issued in Genova on May 04, 2012.

This certificate is valid until May 03, 2017

Valerio Bonanni

RINA

Valerio Bonanni



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EVAC and PRC supply box Series

Materials/components

The lighting fixtures contains a lamp compartment eventually connected to a supply compartment type PRC;
These two flameproof compartments made in aluminium alloy are connected by the way of bushing wires.
See table below.

Reference documents

Technical Note nr. NT-004 ATEX rev. 1, 8 pages, (2006/05/09)
Plan nr. AC004/ATEX rev. 1 fg. 1 to 6 (2001/11/27)
Instructions nr. IU-004 ATEX rev. 3, 3 sheets, (2008/09/26)

Test Report

Nemko EMC report : 188812-12 TRFEMC (30/11/2011)
Qualilab Vibration report: 178-QL12-R04 ver.0 (06/04/2012)

Safety characteristics

Certificate: **INERIS 01ATEX 0054X** including addition certificate **INERIS 01ATEX0054X/01**
Marking (*): II 2GD EEx d IIC T6... T2 IP 66
Ex tD A21 IP66 T80°C... T220°C
Tamb. -20°C to 40°C / +55°C

(*) Lighting fixtures series EVAC with or without supply box series PRC

Standards: EN 50014:1997 + A1 +A2 ; EN50018:2000+A1

Max voltage: 230Vac 50 /60Hz; Lamp power: 15 to 500W

EVAC 100 or 101

Type and power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay PRC compart.	cable temp.
		Gas	Dusts		
100 W Incandescent	-20°C /+40°C -20°C /+55°C	T4	T130°C	N.A.	N.C 85°C
100 W Halogen	-20°C /+40°C -20°C /+55°C	T4	T130°C	N.A.	N.C. 85°C
100 W Metal halide	-20°C /+40°C -20°C /+55°C	T4 T3	T130°C T155°C	30 min	N.C. N.C.
80 W Mercury vapour	-20°C /+40°C -20°C /+55°C	T4	T130°C	30 min.	N.C. N.C
70 W Sodium vapor	-20°C /+40°C -20°C /+55°C	T4	T130°C	30 min.	N.C. N.C
15 W Fluorescent	-20°C /+40°C -20°C /+55°C	T6	T80°C	N.A.	N.C. N.C
25W AC 21W DC (Incandescent)	-20°C /+40°C -20°C /+55°C	T6 T5	T80°C T100°C	N.A.	N.C. N.C.

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EVAC and PRC supply box Series



EVAC 200 or 201

Type and Power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay PRC compart.	Cable temp.
		Gas	Dusts		
200 W Incandescent	-20°C /+40°C	T4	T130°C	N.A.	85°C
	-20°C /+55°C	T3	T155°C		100°C
160 W Blended light	-20°C /+40°C	T3	T155°C	N.A.	90°C
	-20°C /+55°C				105°C
150 W Halogen	-20°C /+40°C	T4	T130°C	N.A.	N.C.
	-20°C /+55°C	T3	T155°C		80°C
125 W Mercury vapor	-20°C /+40°C	T3	T155°C	30 min.	N.C.
	-20°C /+55°C				N.C.
25 W Xenon flash	-20°C /+40°C	T6	T80°C	N.A.	N.C.
	-20°C /+55°C				N.C.
23 W Fluorescent	-20°C /+40°C	T6	T80°C	N.A.	N.C.
	-20°C /+55°C				N.C.

EVAC 300 or 301

Type and power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay PRC compart.	cable temp.
		Gas	Dusts		
300 W Incandescent	-20°C /+40°C	T4	T130°C	N.A.	85°C
	-20°C /+55°C	T3	T170°C		100°C
250W Halogen	-20°C /+40°C	T4	T130°C	N.A.	85°C
	-20°C /+55°C	T3	T170°C		100°C
250 W Mercury vapor	-20°C /+40°C	T3	T195°C	30min.	N.C.
	-20°C /+55°C				N.C.
250W Sodium vapor	-20°C /+40°C	T3	T170°C	30 min.	N.C.
	-20°C /+55°C				N.C.
250 W Metal halide	-20°C /+40°C	T3	T170°C	30 min.	N.C.
	-20°C /+55°C				N.C.
250W Blended light	-20°C /+40°C	T3	T170°C	N.A.	90°C.
	-20°C /+55°C				105°C
150 W Metal halide	-20°C /+40°C	T4	130°C	30 min	N.C.
	-20°C /+55°C	T3	170°C		
150 W Sodium vapor	-20°C /+40°C	T4	T130°C	30 min	N.C.
	-20°C /+55°C				N.C.
25 W Rotallarm	-20°C /+40°C	T6	T80°C	N.A.	N.C.
	-20°C /+55°C				N.C.

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EVAC 500 or 501

Type and Power of lamp	Ambient temperature range	Concerned explosive atmosphere		Waiting delay PRC compart.	Cable temp.
		Gas	Dusts		
500 W Incandescent	-20°C /+40°C -20°C /+55°C	T3	T170°C	N.A.	110°C 125°C
500W Blended light	-20°C /+40°C -20°C /+55°C	T2	T220°C	N.A.	125°C 140°C
400W Mercury vapor	-20°C /+40°C -20°C /+55°C	T3	T195°C	30min.	85°C
400W Sodium vapor	-20°C /+40°C -20°C /+55°C	T3	T195°C	30 min.	N.C.
400 W Metal halide	-20°C /+40°C -20°C /+55°C	T3	T170°C	30 min.	N.C

N.C. : Non concerned N.A. : Not Associated

General remarks

Lighting fixtures to be installed and used according to the manufacturer instruction and relevant safety certificates requirements.