

FLUORESCENT
WATERPROOF

Housing: injection moulded in grey polycarbonate, RAL 7035, unbreakable and self-extinguishing, UV stabilized, high mechanical resistance, supplied with stainless steel latches.

Diffuser: injection moulded, in clear polycarbonate, prismatic on the inside, self-extinguishing and UV stabilized.

Reflector: in pre-enamelled galvanized steel, white, anti-yellowing treatment.

Gaskets: all the gaskets are integrated and made of anti-ageing material.

Cable gland: resistant to impact, suitable for application in explosion-prone areas, working temperature: -20°C to +70°C.

Electronic ballast: cathode preheating, thermal protection and energy efficiency class A2.

Internal electric gear: single-pole PVC cable with 0.5 sq mm cross section, heat resistant at 90°C.

921 Hydro ATEX			
CEL-F			
wattage	weight	code	classification ATEX
FL 1x18	1.40	164520-00	EEx nAII3GT4
FL 1x36	2.10	164521-00	EEx nAII3GT4
FL 1x58	2.80	164522-00	EEx nAII3GT4
FL 2x18	1.80	164523-00	EEx nAII3GT4
FL 2x36	2.80	164524-00	EEx nAII3GT4
FL 2x58	3.60	164525-00	EEx nAII3GT4

Not to be installed on surfaces subject to strong vibrations, outdoor on hanging ropes, walls, under metal grids, rods, or in any event, exposed to direct sunlight.



"N" PROTECTION SYSTEM:


This protection system is applied to the electric gear so as to prevent an explosion-prone atmosphere from igniting when the lighting fixture is operating normally, and under some specific atypical conditions.

These lighting fixtures can be used solely in class 2 areas, namely, in those areas where the atmosphere is unlikely to contain gas and to become explosive. If that occurs, the presence of an explosion-prone atmosphere is a rare occurrence and only lasts for a very short period of time.

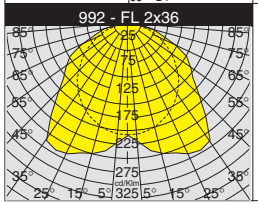

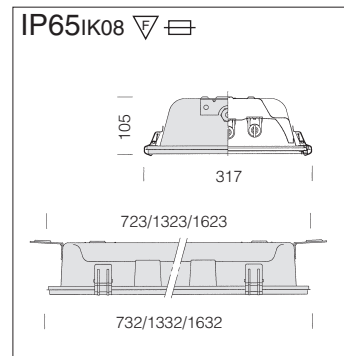
This protection system applies solely to lighting fixtures and group II electrical components, category 3G.



Protection against explosions	Ex nA II 3G
Hazardous area permitted	Zone 2
Ambient temperature permitted	ranging from +10°C e +40°C; 2X58W from +10°C e +30°C
Protection level	IP66
Mechanical resistance of the casing	IK08 (5J)
Relevant regulations	CEI EN 60598-1 CEI 60598-2-1 CEI EN 60529 CEI EN 50102 CEI EN 60079-0 CEI EN 60079-15



FL...	G13
CONSUMO: 18 = B1 36 = B1 58 = B1	CONSUMP. EL: 18 = A2 36 = A2 58 = A2
992 - FL 2x36	EFF.TOT.: 73,5 % e/h = 1,5 BZ = 6/0.6-5

Housing/Frame: in AISI 304 18/8 stainless steel.

Reflector: in 99.85 high gloss aluminium, its large size guarantees high efficiency.

992 Eterna ATEX						
wattage	CBR-F			CEL-F		
	weight	code	classification ATEX	weight	code	classification ATEX
FL 2x18	6.90	162323-00	Ex tD A 22 T90°C	6.90	162373-00	EEx nAll 3 G T4 Ex tD A 22 T70°C
FL 2x36	11.80	162324-00	Ex tD A 22 T90°C	11.80	162374-00	EEx nAll 3 G T4 Ex tD A 22 T60°C
FL 2x58	15.90	162325-00	Ex tD A 22 T100°C	15.90	162375-00	EEx nAll 3 G T4 Ex tD A 22 T70°C
FL 3x18	8.00	162326-00	Ex tD A 22 T100°C			
FL 3x36	12.90	162327-00	Ex tD A 22 T90°C	12.90	162377-00	EEx nAll 3 G T4 Ex tD A 22 T70°C
FL 3x58	17.20	162328-00	Ex tD A 22 T110°C	17.20	162378-00	EEx nAll 3 G T4 Ex tD A 22 T75°C
	Category 3D			Protection "n"		

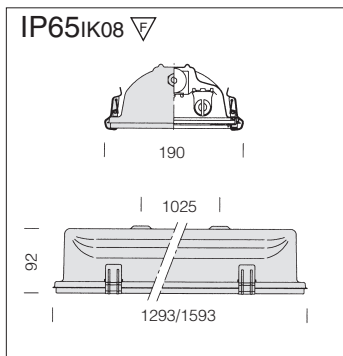
Electromagnetic ballast: low waste, energy efficiency class B1.
Electronic ballast: cathode preheating, thermal protection and energy efficiency class A2.
Diffuser: tempered glass, 5 mm thick, resistant to thermal shock and impact.
Gaskets: integrated gaskets made of silicone rubber, resistant to low and high temperatures.
Cable gland: in shock resistant metal, suitable for application in explosion-prone areas, working temperature: -30°C to +90°C.
Internal electric gear: single-pole PVC cable with 0.5 sq mm cross section, insulated, heat resistant at 90°C.
Power supply terminal: two poles + earth with maximum allowed lead cross section 2.5 sq mm.

992 ETERNA ATEX CBR-F	
Protection against explosions	Ex II 3D tD A 22
Hazardous area permitted	Zone 22
Ambient temperature permitted	Between -20°C and +40°C
Protection level	IP65
Mechanical resistance of the casing	IK10 (20J)
Relevant regulations	CEI EN 60598-1 CEI EN 60598-2-1 CEI EN 60529 CEI EN 50102 CEI EN 61241-0 CEI EN 61241-1

CATEGORY 3D
 These lighting fixtures can be used solely in class 22 areas, in a combustible powder-free atmosphere when operating normally. However, should this happen, it would only last for a very short period of time. The lighting fixture guarantees the protection level required when operating normally.

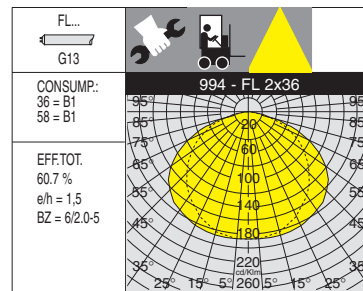
992 EL ETERNA ATEX CEL-F	
Protection against explosions	Ex II 3D tD A 22; EX nA II 3G
Hazardous area permitted	Zone 22; Zone 2
Ambient temperature permitted	Between -20°C and +40°C 3x58W tra -20°C and + 30°C
Protection level	IP65
Mechanical resistance of the casing	IK10 (20J)
Relevant regulations	CEI EN 60598-1 CEI EN 60598-2-1 CEI EN 60529 CEI EN 50102 CEI EN 61241-0 CEI EN 61241-1 CEI EN 60079-0 CEI EN 60079-15

"n" PROTECTION
 It is a protection system applied to the electric gear so as to prevent an explosion-prone atmosphere from igniting when operating normally, and in some atypical conditions. These lighting fixtures can be used solely in class 2 areas, namely, in those areas where the atmosphere is unlikely to contain gas and to become explosive when operating normally. If that occurs, the presence of an explosion-prone atmosphere is rare and only lasts for a very short period of time. This protection system applies solely to lighting fixtures and group II electrical components, category 3G.



Housing/Frame: in steel drawn in a single piece with high mechanical resistance.

Reflector: in white aluminium.



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WATERPROOF

994 Forma ATEX

		CBR			CEL		
wattage	weight	code	classification ATEX	weight	code	classification ATEX	
FL 1x36	7.50	162425-00	Ex tD A 22 T95°C	11.80	162475-00	Ex nAII 3 GT4 Ex tD A 22 T60°C	
FL 1x58	9.10	162426-00	Ex tD A 22 T95°C	15.90	162476-00	Ex nAII 3 GT4 Ex tD A 22 T65°C	
FL 2x36	8.20	162427-00	Ex tD A 22 T105°C	12.90	162477-00	Ex nAII 3 GT4 Ex tD A 22 T75°C	
FL 2x58	10.60	162428-00	Ex tD A 22 T110°C	17.20	162478-00	Ex nAII 3 GT4 Ex tD A 22 T75°C	
Category 3D				Protection "n"			
<p>Electromagnetic ballast: low waste, energy efficiency class B1. Electronic ballast: cathode preheating, thermal protection and energy efficiency class A2. Diffuser: tempered glass, 5 mm thick, resistant to thermal shock and impact. Gaskets: integrated gaskets made of silicone rubber, resistant to low and high temperatures. Cable gland: in shock resistant metal, suitable for application in explosion-prone areas, working temperature: -30°C to +90°C. Internal electric gear: single-pole PVC cable with 0.5 sq mm cross section, insulated, heat resistant at 90°C. Power supply terminal: two poles + earth with maximum allowed lead cross section 2.5 sq mm.</p>							

CATEGORY 3D

These lighting fixtures can be used solely in class 22 areas, in a combustible powder-free atmosphere when operating normally. However, should this happen, it would only last for a very short period of time. The lighting fixture guarantees the protection level required when operating normally.

994 FORMA ATEX CBR	
Protection against explosions	Ex II 3D tD A 22
Hazardous area permitted	Zone 22
Ambient temperature permitted	between from -20°C to +40°C
Protection level	IP65
Mechanical resistance of the casing	IK10 (20J)
Relevant regulations	CEI EN 60598-1 CEI EN 60598-2-1 CEI EN 60529 CEI EN 50102 CEI EN 61241-0 CEI EN 61241-1

"n" PROTECTION

It is a protection system applied to the electric gear so as to prevent an explosion-prone atmosphere from igniting when operating normally, and in some atypical conditions. These lighting fixtures can be used solely in class 2 areas, namely, in those areas where the atmosphere is unlikely to contain gas and to become explosive when operating normally. If that occurs, the presence of an explosion-prone atmosphere is rare and only lasts for a very short period of time. This protection system applies solely to lighting fixtures and group II electrical components, category 3G.

994 EL FORMA ATEX CEL	
Protection against explosions	Ex II 3D tD A 22; Ex nA II 3G
Hazardous area permitted	Zone 22; Zone 2
Ambient temperature permitted	between from -20°C to +40°C 2x58W from -20°C to + 30°C
Protection level	IP65
Mechanical resistance of the casing	IK10 (20J)
Relevant regulations	CEI EN 60598-1 CEI EN 60598-2-1 CEI EN 60529 CEI EN 50102 CEI EN 61241-0 CEI EN 61241-1 CEI EN 60079-0 CEI EN 60079-15