



Light makes the Difference

HVP Lighting nv - Waregemstraat 200 - 8540 Deerlijk - T 056/72 97 61 - F 056/72 61 53 - info@hvplighting.com - www.hvplighting.com

## PRIMA-Ex



**INDUSTRIAL WATERPROOF, DUSTPROOF AND IMPACT RESISTANT**  
Fluorescent lighting fittings suitable for ambient with a danger of explosion



Type	Light sources	Luminous efficiency	Dimensions A x D	€
Prima 118 PCc Ex	1x18W	89%	662 x 350 mm	88,00 €
Prima 136 PCc Ex	1x36W	89%	1272 x 700 mm	96,00 €
Prima 158 PCc Ex	1x58W	87%	1572 x 940 mm	115,00 €
Prima 218 PCc Ex	2x18W	82%	662 x 350 mm	125,00 €
Prima 236 PCc Ex	2x36W	81%	1272 x 700 mm	145,00 €
Prima 258 PCc Ex	2x58W	79%	1572 x 940 mm	180,00 €



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### Use:

PRIMA...PCc Ex industrial waterproof and dustproof lighting fittings with higher impact resistance are suitable for illumination of areas with a danger of flammable dust, gas and vapour explosion.

The above mentioned ambient corresponds to European Union directive.

No.: 94/9/EC (NV 23/2003 Sb.): Ex II 3GD Ex nA II T4 T78 °C.

Lighting fittings are assigned for ambient temperature from -20 °C to +40 °C

### Description, optics:

The body is made by injection of impact and heat resistant polycarbonate of grey color.

There are two 20,5mm holes for PG – 13,5 IP 68 cable glands in the body. Fixing of the body with diffuser is solved with stainless steel clips.

The luminaire is provided with a foamed Polyurethan sealing injected directly to the body.

The diffuser is made by injection of transparent stabilized Polycarbonate (PC) with a high impact resistance.

The reflector is made of the steel sheet, powder coated with white colour. Electric equipment of the lighting fittings is fixed on the reflector.

Polished aluminium parabolic reflector (PAR) can be delivered on demand.

### The way of fitting's suspension:

- directly on a surface (also flammable) using metal self-locking clips
- using steel hooks delivered as standard accessories
- using plastic suspension eyes – not included in standard set - available only on demand

### Electric equipment of the lighting fittings for ambient with danger of explosion:

- On the reflector there are mounted B1 class HELVAR magnetic ballasts and 3 pole terminal block TRIDONIC SLK3/3E (ST) ENL 1 for a connection of the supply cable with a wire up to 2,5mm<sup>2</sup> diameter.

The reflector is also provided with shake resistant lampholders VS 46100.

Using a metal holder an electronic starter is fixed to the reflector in modification for ambient with a danger of explosion type PULSESSTARTER EFS 600P (EFS 120 P for 1x18W and 2x18W).

The lighting fitting can be compensated with DNA capacitor.

The plastic wire holders ensure the safe distance between wire and ballast.

Connection of electric parts is accomplished with halogen free wire with temperature resistance from -30 °C to +100 °C.

The lighting fittings can be 1 phase or 3 phase through wired.

