

VEL-D SERIES LIGHTING FIXTURE S FOR COMPACT FLUORESCENT  
LAMPS, 1ExdIIBT6**Application**

VEL-D explosion-proof lighting fixture s for compact fluorescent energy-saving lamps are designed for main and emergency illumination in plants and storage facilities with possible explosive gas or dust atmospheres as per explosion protection marking.

**Special Features**

- Application of ECG/STANDARD BALLAST in lighting fixture s allowed:
  - Lamp long life, reducing servicing costs.
  - excluding lamp flickering when switching on the lighting fixture (instant start-up).
  - provides high power factor  $\cos \phi \geq 0,98$ . There is no need to install additionally a compensator.
- Use of energy-saving lamps allows reducing energy costs. A fluorescent lamp consumes five times less energy as an incandescent lamp with similar lighting specifications.
- Small overall dimensions allow installing the lighting fixture s in conditions with limited space and height, for example, in block structures.

**Light sources**

Compact fluorescent lamps with CR10q type holder

**Specifications**

Explosion proof marking	1ExdIIBT6
Holder	GR10q
Supply Voltage	220V AC $\pm 10\%$ , 50Hz
Ingress protection	IP65
Power factor	$\cos \phi > 0,95$
Connected core section	3 x (1.5 - 2.5) mm <sup>2</sup> (L+N+PE)
Feed cable diameter	10-14(mm)
Ambient temperature	from - 40°C to + 40°C
Weight	5.6kg

**Scope of delivery**

The lighting fixture completed with lamps number selected, by default with two cable entries for unarmored cable .

**To be ordered additionally:**

Instead of the glands installed by default

- VK-X-VEL2BM-G $\frac{3}{4}$ "-Exd cable entry for armored cable
- VK-X-VEL2BT-G $\frac{3}{4}$ "-Exd-G $\frac{3}{4}$ " for armored cable or for connection of cable in metal hose with the MMRn-20 couplings
- VK-X-VEL4T-G $\frac{3}{4}$ "-Exd-G $\frac{3}{4}$ " for unarmored cable laying in pipes or and for connection of this cable in metal hose with the MMRn-20 couplings;

When ordering a lighting fixture without mounting accessories, be aware that the lighting fixture housing G $\frac{3}{4}$ " thread.

**Catalogue number logic**

**VEL-D- X1x21**

X1 – number of lamps: 1 or 2

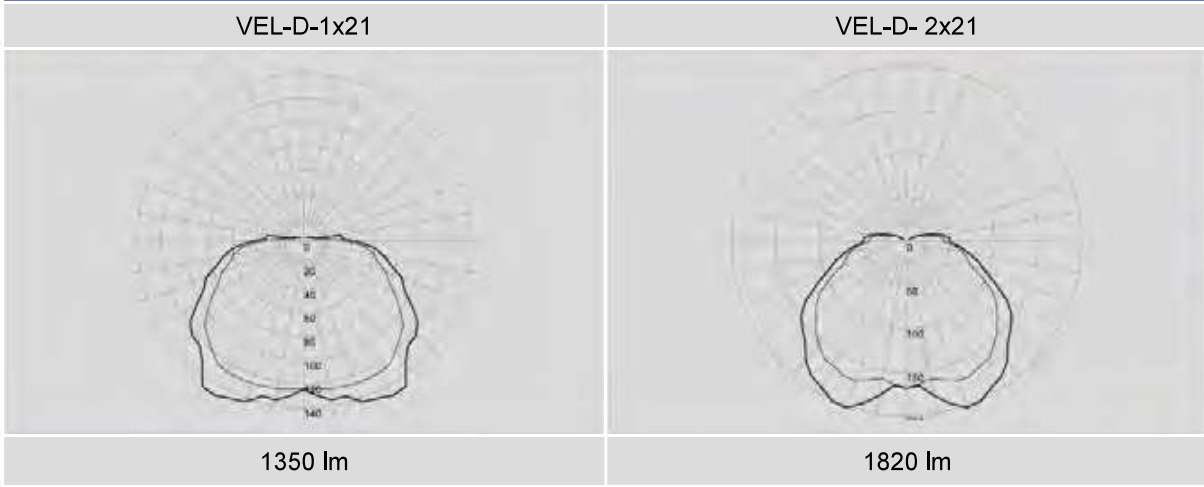
21 – lamp power in W

**An example of designation for:**

An explosion-proof lighting fixture for emergency lighting with one 21W fluorescent lamp:

Lighting fixture VEL-D-1x21

**MICROPHOTOMETER CURVE (Kd/1000lm)**



**Overall and mounting dimensions**

