



With 1 and 2 fluorescent tubes
For T5 or T8 lamps

IP65



**No gear
tray needed!**

Field of application:

Thanks to the construction principles of gasket, closing system and diffuser our fixtures ensure a high grade of protection (IP 65) against dust, contamination and water permeation. In accordance with their IP grade they can be widely used to illuminate spaces with dusty, humid environment. In order to reach the optimal cost-performance ratio the basic version of **746-Clever has been developed without gear tray**. The electrical components are mounted directly into the housing.

When using outdoors, the fittings should be protected against direct sunlight and adverse weather conditions.

Technical description and benefits

- **Housing:** It is made of flame retardant glass-fibre reinforced polyester (on request suitable for 850°C glow wire test too), in light grey (RAL7035) colour. This material has very good temperature resistance, mechanical stability, furthermore it is a good electrical insulator, it resists the impacts of several chemicals and the impacts of weather conditions. Its stability of size and shape at changing temperatures is excellent.

- The **diffuser** is available in the following alternatives:
injection moulded acrylic (PMMA). Main advantages: Very good transparency (better than the transparency of glass), unique non-aging properties. The opalescent PMMA diffusers, designed with respect to their optical characteristics, are made with photo etching and are UV resistant. Injection moulded polycarbonate (PC). Main advantages: high mechanical strength and high heat and shock resistance and excellent transparency. The PC diffusers are made with optically designed longitudinal, internal prisms and are UV resistant.

- The **gasket** between the diffuser and housing is made of non-aging PU (Polyurethane) foam.

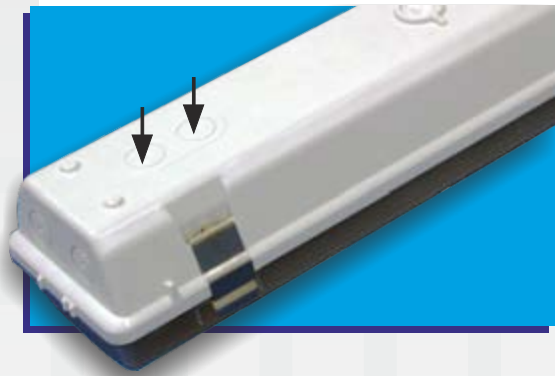
- **Gear tray** (reflector): In basic version no gear tray is needed. As option white powder coated steel sheet gear tray or glossy aluminium reflector is available.

- **Way of installing:** with screws onto the wall or ceiling resp. suspended.

- **Electrical components:** In accordance with the requested specification: low power factor, high power factor or electronic control gear in T8 or T5.



In basic version - thanks to a special construction - the electrical components can be mounted directly into the housing in order of cost optimisation.



Fixing the diffuser to the body: With secure, one part captive plastic or stainless steel clips. Several possibilities for cable entry.



Optimized economical packaging with plastic net. On request traditional carton box resp. 4-pcs-carton box packaging available.



Theopalescent PMMA diffusers, designed with respect to their optical characteristics, are made with photo etching and are UV resistant.

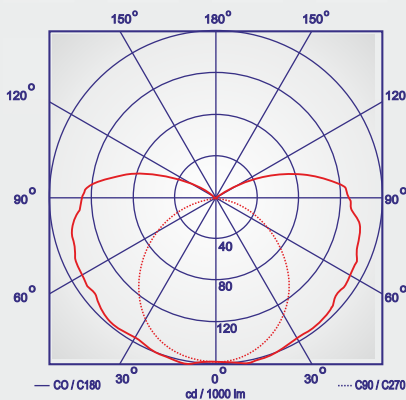
Technical data:

Type	Tube/Lampholder	Power (W)	Dimensions (mm)		Weight (kg)
			A	B	
With B2 magnetic ballast for T8 fluorescent tubes					
746 118 IND	T8/G13	1x18	669	415	1,38
746 136 IND	T8/G13	1x36	1277	800	1,65
746 158 IND	T8/G13	1x58	1577	1100	2,41
746 218 IND	T8/G13	2x18	669	415	1,49
746 236 IND	T8/G13	2x36	1277	800	2,53
746 258 IND	T8/G13	2x58	1577	1100	3,71

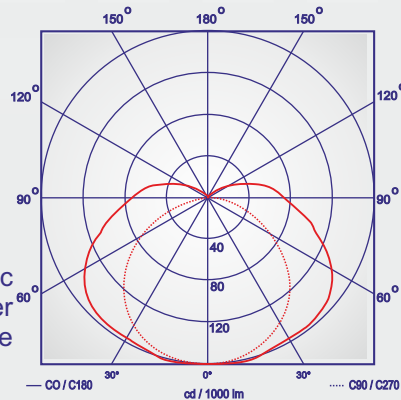
Schematic drawing with main dimensions:



Photometric curves:



photometric curves of Clever 1x36 luminaire



photometric curves of Clever 2x36 luminaire

