



Dustproof/Waterproof LED Light Fitting with Diffuser with variable setting of the luminous flux Series 161... VARIO

DESIGN

- Housing:** Glass fibre reinforced polyester resin, silicone gasket.
- Diffuser:** Injected, acrylic glass, frosted for glare limitation.
- Closure:** Three-part captive plastic clips (KK), incl. 2 safety clips (KKS) to ensure protection against contact.
- Reflector:** Aluminium, painted, can be suspended or removed and carries the electrical components.
- Connection:** 3-pole terminal.
- Cable entries:** 2 plugs M20.
- Mounting:** Closed knock-outs for direct ceiling mounting (to be opened at site). Sealing and pressure disks inside each fitting.

FEATURES AND BENEFITS:

- universally usable due to variable setting of the luminous flux, depending on the requirement (replaces fluorescent lamps from 1x36W up to 2x58W)
- quick and easy adjustment on-site
- can be changed at any time (e.g. change of use of the premises with new requirements in regard to the level of illumination)
- highest efficiency with luminous efficacy up to 143lm/W
- homogeneous illumination by using frosted diffusers, no particular light points visible, comfortable perception of light, brilliant glare limitation
- high colour reproduction Ra > 80, according to the workplace guide lines suitable for nearly all plant locations
- with „D“-sign, suitable for rooms with increased fire risk due to deposits of combustible dust and fibrous materials
- for temperatures from -20°C up to +30/35/40/45/50°C (depending on setting)
- economical storage due to standardisation (only one light fitting instead of multiple versions)
- lower maintenance and downtime costs due to long maintenance intervals
- ECG and Reflector with LED-modules replacable by qualified personnel on-site
- future proof by using LED-modules according to Zhaga standard

APPLICATIONS:

Areas, where one standardised LED-light fitting shall be used for different illumination tasks. In humid, wet and dusty indoor areas of industrial and agricultural premises, for workshops and car parks, cold stores, low temperature stores, cooling and freezing chambers and walkable low temperature cabins in hotels, climate chambers, hard to reach areas with high downtime and maintenance costs when replacing the lamps. Aggressive atmospheres: Please consult us.

TECHNICAL DATA:

- LED:** Line modules 4,000K, Ra > 80, L70B10 > 50,000h at max. ambient temperature.
- ECG:** 220-240V, 50/60Hz, overload and short-circuit protection
- DIP** switch for setting the luminous flux of the luminaire.
- Ambient temperature:** -20°C up to +30/35/40/45/50°C (see type table)

OPTIONS:

- 6,500K
- PC-diffuser frosted (FPC)
- for outdoor installation (AUS)

161... VARIO



The luminous flux is variably adjustable to almost every value between 2.330lm and 6.930lm. Power consumption and

admissible ambient temperature will change depending on the setting of the luminous flux.

Article No.	Type	Power consumption [W] *	Luminous flux [lm] ^{1)*}	Luminous efficacy [lm/W]	Amb. temp. max. [°C]	Energy efficiency class	Substitute for ca. **	Weight [kg] (without packing material)
16117 0399	161 12L VARIO	17	2.350	138	50	A++	1 x 36W	2,7
		26	3.720 ²⁾	143	45	A++	1 x 58W	
		32	4.530	141	40	A++	2 x 36W	
		47	6.230	133	35	A++	2 x 58W / 1 x 80W	
		53	6.930	131	30	A++	> 2 x 58W	

1) Examples of possible settings
2) Factory setting

* see notes
** The given information is for rough orientation only. In each individual case a lighting calculation is necessary.



161... VARIO LM



for application in food industry areas

Application:
Food industry or food processing factories especially in risky areas of the food production or processing, suppliers to the food industry who are falling in the IFS standards or who are subject to comparably strict requirements (e.g. production of food packaging).

Same as type 161 12... VARIO but:
Diffuser: Shatterproof, high chemical resistance, cover for glare limitation fixed to reflector.
Closure clips: Stainless steel (KE), incl. 2 safety clips (KES) to ensure protection against contact. The luminous flux is variably adjustable to almost every value between 2.450lm and 4.950lm.

ambient temperature will change depending on the setting of the luminous flux.

Design:

Power consumption and admissible

Article No.	Type	Power consumption [W] *	Luminous flux [lm] ^{1)*}	Luminous efficacy [lm/W]	Amb. temp. max. [°C]	Energy efficiency class	Substitute for ca. **	Weight [kg] (without packing material)
16119 0399	161 12L VARIO LM	18	2.450	136	40	A++	1 x 36W	2,7
		29	3.720 ²⁾	128	40	A++	1 x 58W	
		36	4.420	123	35	A++	2 x 36W	
		41	4.950 ³⁾	121	30	A++	1 x 80W	

1) Examples of possible settings
2) Factory setting
3) Versions up to ca. 6.000lm (substitute for 2 x 58W) on request

* see notes
** The given information is for rough orientation only. In each individual case a lighting calculation is necessary.