



Compact Dustproof/Waterproof LED-Light Fitting Series 164KL... Generation 2

Applications:

Humid, wet and dusty, small interior areas, walkable low temperature cabins, restaurants, supermarkets, hotels etc., above doors, entrances and exits, roofed outdoor areas etc. (aggressive agents – please consult us).

Design:

Housing: Glass fibre reinforced polyester, foamed silicone gasket.

Diffuser: PMMA frosted for glare limit-

ation.

Clips: Single-piece plastic clips (KK).

Reflector: Aluminium painted, detachable, carrying the electrical components.

Connection terminal: 3 poles

Cable entries: Variable, at the ends and top of the housing, 2 plugs M20.

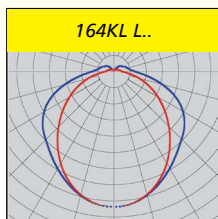
Mounting system: 2 holes for ceiling mounting. Sealing and pressure disks are supplied inside the fitting.

Technical data:

LED: Line modules, 4.000K, CRI > 80, life cycle of the LED $L_{80} > 50.000h$.

ECG: 220-240V, 50/60Hz, overload and short circuit protection.

Ambient temperature: -20°C up to +30°C

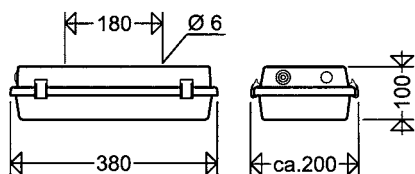


Options:

- for connection to 24V DC-supply (Type 164KL L08G2) temperatures
- for connection to group or central battery systems (ZB) or emergency mains respectively– for higher/lower ambient temperatures
- stainless steel clips (KE)
- cable entries up to M25 x 1.5
- cable looping at 1 small side
- purpose of signalization with coloured LED

Product highlights:

- homogeneous illumination by using frosted diffusers, comfortable perception of light and brilliant glare limitation
- high colour reproduction CRI > 80, according to the guide lines for workplaces suitable for nearly all plant locations
- with "D"-symbol, suitable for rooms with increased fire risk due to deposits of combustible dust and fibrous materials
- no throw-away light fitting, ECG and reflector with LED-module may be replaced by qualified personnel on-site
- future proof by using LED-modules according to Zhaga standard



Article no.	Type	Power consumption [W] *	Luminous flux [lm] *	Luminous efficacy [lm/W]	Energy efficiency class	Substitute for ca. **	Weight [kg] without packing material
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164KL...



16407 0031	164KL L05G2	4,5	490	109	A++	1 x 8W	1,0
16407 0032	164KL L08G2	8,5	840	99	A++	1 x 11W	1,0
16407 0033	164KL L11G2	10,0	1.150	115	A++	1 x 18W	1,0
16407 0034	164KL L15G2	14,0	1.490	106	A++	1 x 24W	1,0

* see notes

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

Accessories / Spare Parts

Article no.	Type	
Spare glasses PMMA frosted		
16413 9007	164 000 F G2	for 164KL L.. G2
Cable entries		
90063 9000	2511	blanking plug M20
25610 9000	2561	plastic cable gland M20 x 1,5
25600 9000	2560	plastic cable gland M25 x 1,5
Mounting brackets		
90232 0012	WA 45 ALU	wall bracket 45°
90232 0013	WA 90 ALU	wall bracket 90°
90232 0004	DA	1 pair of ceiling/wall bracket 90°
Fasteners		
90123 9003	163 KK VE08	plastic (packing unit 8)
90123 9002	163 KE VE08	stainless steel (packing unit 8)

Notes:

Properties, limitations and details for controlling LED-light fittings:

See "Technical Supplement"

All technical data is relevant at the time of print. Actual technical data can be found in the internet under www.schuch.de.