



## Compact Dustproof/Waterproof LED-Light Fitting Series 164KL... G2

### Applications:

Humid, wet and dusty interior areas, walkable low temperature cabins, restaurants, supermarkets, hotels etc., above doors, entrances and exits, roofed outdoor areas etc.

(For damp and cold ambient conditions with low duty cycles and in the case of aggressive atmosphere, please contact us)

### Design:

**Housing:** Glass fibre reinforced polyester, foamed silicone gasket.

**Diffuser:** PMMA frosted for glare limitation.

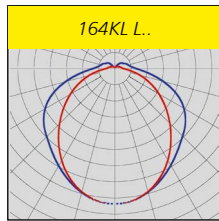
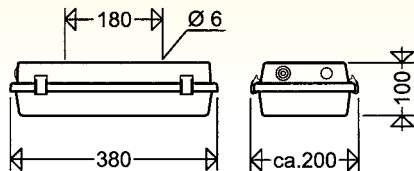
**Clips:** Single-piece plastic clips (KK).

**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:** Linear modules, 4.000K, CRI > 80, **Version L05:** service life  $L_{90} > 50.000h$  at 25°C ambient temperature, service life  $L_{80} > 70.000h$  and  $L_{70} > 100.000h$  at max. ambient temperature, **Version L08, L11, L15:** service life  $L_{80} > 50.000h$  at max. ambient temperature

**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)

– stainless steel clips (KE)

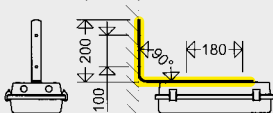
– cable looping at 1 small side (RR)

– purpose of signalization with coloured LED

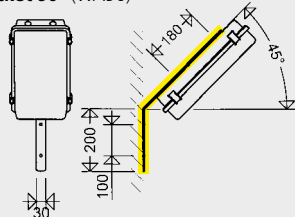
### Product highlights:

- 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  $\Psi$ -symbol, suitable for rooms with increased fire risk due to deposits of combustible dust and fibrous materials
- sustainable, control gear and LED-module replaceable by qualified personnel on-site
- future proof by using LED-modules according to Zhaga standard

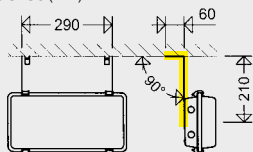
### Wall bracket 45° (WA45)



### Wall bracket 90° (WA90)



### Ceiling bracket (DA)



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

■ See "Technical Supplement"

All data are correct at the time of printing. Actual technical data can be found under [www.schuch.de](http://www.schuch.de).

Article no.	Type	Connected load [W]	Luminous flux [lm]	Luminous efficacy [lm/W]	Substitute for *	Weight [kg] without packing material
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## 164KL...



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

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

## Accessories / Spare Parts

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