

technical data type **TUBE 80**

„Industrial high-end weatherproof luminaire with robust construction“

Base: Impact proof PC housing with UV-protection. IK10

- End caps in AISI 304 and free fix mounting brackets.
 - *Optional* : AISI 316 steel.
- Connection: Wieland (IP67) or Stucchi (IP65) connector.
- Silicone Gasket.

Diffuser: Special frosted polycarbonate for a smooth uniform lighting. UV-protected.

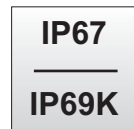
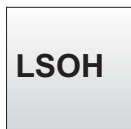
- *Optional* : - Clear PC diffuser: 105% lumen output.
- Frosted PMMA diffuser (IK06)

Gear tray: Aluminium



Specifications:

- Product life min. 50.000h L80 B10 at T_{LB}
or 100.000h L80 B10 at 25°C.
- *Optional* : 100.000h L80 B50 / 50.000h L90 B10
- Available in 3000K, 4000K, 5000K and 6500K
with CRI of > 80
- MacAdam 3 SDCM
- Luminous efficiency:
LER frosted diff. up to 139 lm/W.
- 220-240V 50/60 Hz.
- Ta: -20°C till +50°C.
- *Optional* :- 1-10V and DALI.
 - DC driver for CBS.
 - EMergency (Manual-test, Self-test, DALI).
 - Sensor
 - Trough-wiring 1 phase or 3 phase.
(This will influence the $T_{a,max}$.)
 - CRI min. 90 (930, 940)
correction factor 0,85.
 - 110 V 50/60 Hz.
 - Casambi + other wireless
communication systems.
 - With external cable.
 - Special driver for industry applications
(higher temperature and surge)

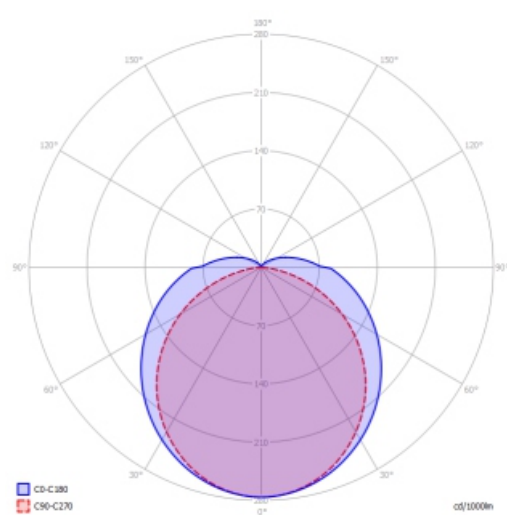


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| Housing | L | W | H | Lf | Kg |
|---------|------|----|-----|------------|-----|
| 600 | 600 | 80 | 102 | 300 - 500 | 1,7 |
| 1200 | 1200 | 80 | 102 | 500 - 1100 | 2,0 |
| 1500 | 1500 | 80 | 102 | 500 - 1400 | 2,4 |

Impact strength data: Tube in PC + free fix bracket (IK10)

PHILIPS (SIGNIFY) Inside: Fortimo LED / Strip 1R - Xitanium driver.



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| Housing | Art. | Power(1) | LED | Flux(2) | T _{LB} (3) | EM(4) | EMST/DALI(4) | EEC-LED(5) |
|---------|------|----------|-----|---------|---------------------|-------|--------------|------------|
| 600 | Z | 9 W | 1R | 1260 lm | 40°C | 0 | 0 | C |
| | R | 13 W | 1R | 1740 lm | 35°C | 0 | 0 | C |
| 1200 | U | 17 W | 1R | 2390 lm | 45°C | √ | √ | C |
| | S | 25 W | 1R | 3590 lm | 40°C | √ | √ | C |
| | H | 35 W | 1R | 4870 lm | 35°C | √ | 0 | C |
| 1500 | V | 20 W | 1R | 2700 lm | 45°C | √ | √ | C |
| | T | 31 W | 1R | 4480 lm | 40°C | √ | √ | C |
| | I | 44 W | 1R | 6090 lm | 35°C | √ | 0 | C |
| | X | 53 W | 1R | 7050 lm | 30°C | 0 | 0 | C |

(1) Total power consumption of LED's and driver. (+/- 10%)

(2) Luminous flux of fitting @ 25°C for 840, 850 and 865. (Correction factor 0,95 for 830)
Luminous output and electrical load have an initial tolerance of +/- 10 % from nominal.

(3) T_{LB} is the maximum ambient temperature Ta(°C) for continuous use to achieve the total lifetime (LB) of the LED components.

(4) Ta = +2°C...+25°C max.

(5) This product contains a light source of energy efficiency class <C> or <D>.
The energy efficiency class <C> is not valid for color 930.

