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: Half white/half opal PC

- Optional : - half white/half clear PC: 116% Lumen output
- half white/half opal PMMA (IK06)

Gear tray: Anodized 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
  Clear diff up to 154 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 Ta.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)

CE | LSOH | IP67 / IP69K | EN 62471 RGO | IK10

25/02/2024

VLUX

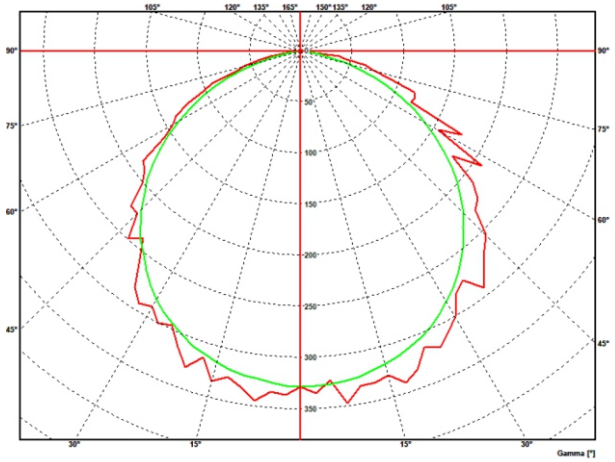
technical data type **TUBE 80**

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)

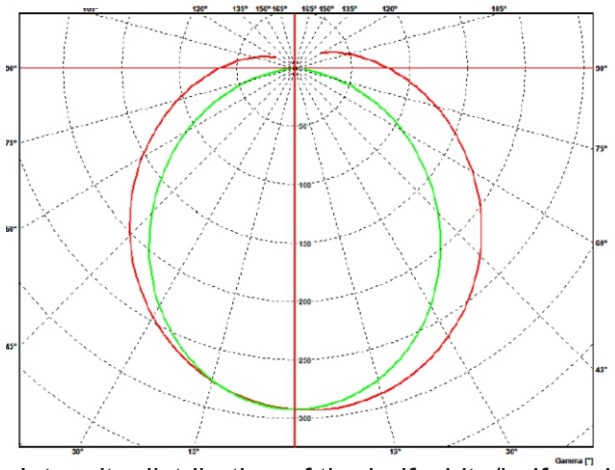
PHILIPS (SIGNIFY) Inside: Fortimo LED / Strip 1R - Xitanium driver.

Intensity [cd/1000lm]



Intensity distribution of the half white/half clear

Intensity [cd/1000lm]



Intensity distribution of the half white/half opal

technical data type **TUBE 80**

Housing	Art.	Power(1)	LED	Flux(2)	T_{LB}(3)	EM(4)	EMST/DALI(4)	EEC-LED(5)
600	Z	9 W	1R	1220 lm	40°C	0	0	C
	R	13 W	1R	1680 lm	35°C	0	0	C
1200	U	17 W	1R	2310 lm	45°C	√	√	C
	S	25 W	1R	3460 lm	40°C	√	√	C
	H	35 W	1R	4680 lm	35°C	√	0	C
1500	V	20 W	1R	2600 lm	45°C	√	√	C
	T	31 W	1R	4320 lm	40°C	√	√	C
	I	44 W	1R	5880 lm	35°C	√	0	C
	X	53 W	1R	6800 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.

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