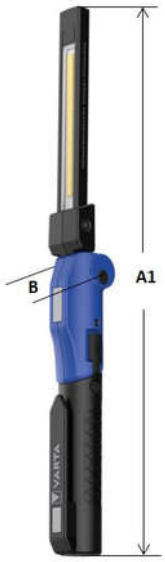
Data Sheet

VARTA Work Flex Multifunction Light F20R

18649





Type	18649 101 401
Designation	VARTA Work Flex Multifunction Light F20R
Input	5V DC, 200-2400mA
Battery required	1x 350mAh Li-Ion battery (3.7V 350mAh 1.3Wh)
LED	1x Toplite white COB cool white LED, CCT 6000-7000K 1x LEIRI 3W SMD cool white LED, CCT 5500-6500K
Luminous intensity	SPOT: 50lm or 100cd COB1 (BIG) Low: 50lm or 9cd COB1 (BIG) High: 100lm or 36cd COB2 (SMALL): 100lm or 36cd
Run Time	SPOT: 3h COB1 (BIG) Low: 6h COB1 (BIG) High: 3h COB2 (SMALL): 3h
Battery Charging Time	<= 2.5 h (5V, 0.2A-2.4A)
Range	20 m (calculated distance at maximum luminous intensity with an illuminance of 0.25 lux)

Features (Technical)

180° foldable design

Magnetic design: "Stick" it to steel surfaces for hands-free use

MCU control multiple functions push switch:

Short press - Top Spotlight – Big area COB light low mode – Big area COB light high mode –Small area COB light –Off (within 5s)

5 seconds Memory:

Memory the mode if longer than 5s

After 5 sec in any mode light switch directly off

Will reset to the memory mode if press on

User display charging:

Green blinking "1 Hz flashes" when charging <100%;

Solid Green ON when fully charged

Low battery indication:

Light will flash for 3 times with 1HZ every min on last 10mins (if battery capacity reach <5%)

Simultaneous Charge/Light：

When charging the light, light level gets dimmed (within the temperature limits)

Safety Features：

NTC temperature protection

Charging circuit with protection for over-charged, over-discharged & short circuit protection

6.6 feet (2 m) impact resistant

IP54 dust & water resistant

Eye risk group exempt

10,000 Switch cycle life

Data Sheet VARTA Work Flex Multifunction Light F20R 18649

Material	Nylon Aluminum PC (Polycarbonate) Rubber (All contact parts made of bronze or nickel plated steel)
Weight	61 g
Dimensions	
A1	225 mm (unfolded)
A2	120.1 mm (folded)
B	19.2 mm
C	30.3 mm (folded)
D	27.8 mm (folded)

10,000 USB Type C Plug Insertion Life Test

Charge every six months

Port cover protects USB Type C port from environment

Pocket clip & including USB Type C charging cable

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Subject to change without prior notice!
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