

TABIT



| TABIT





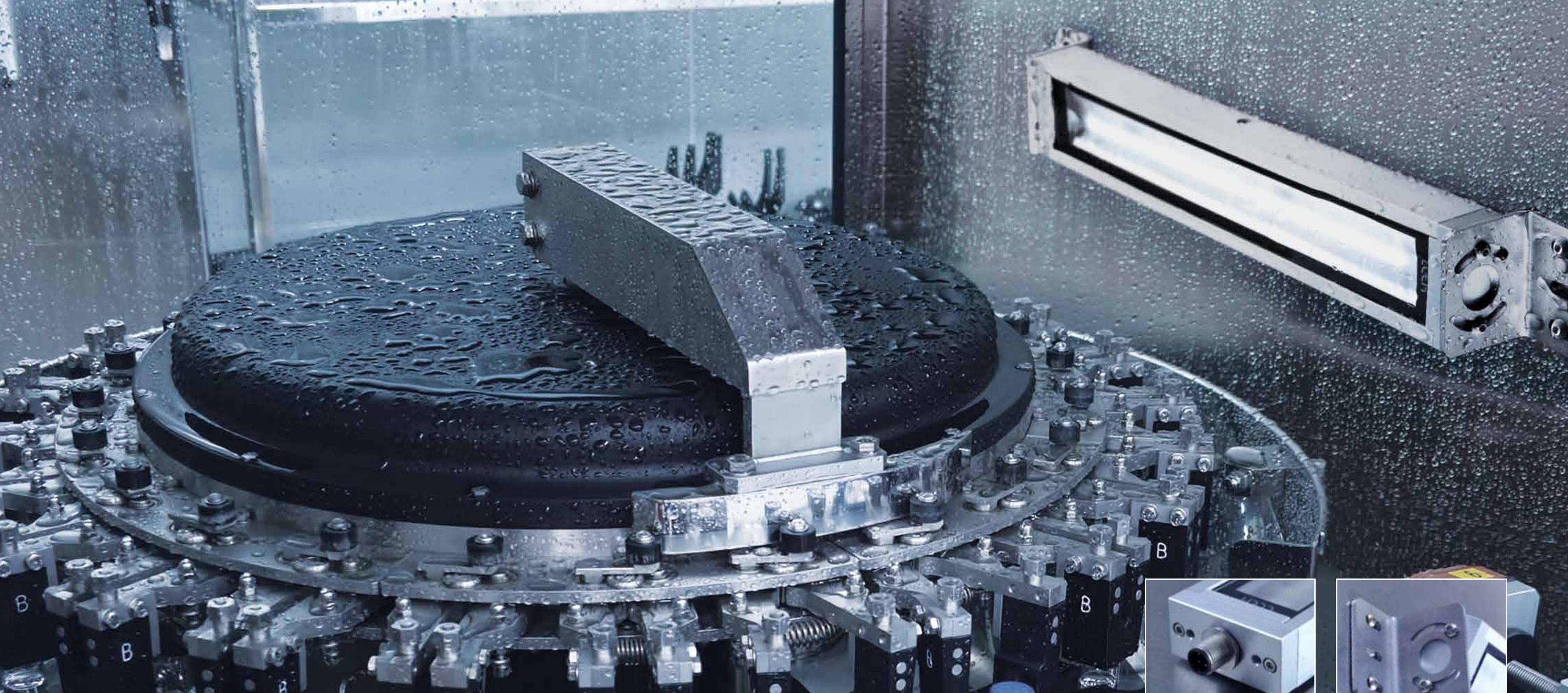
## TABIT

### IP69K protection for LED lighting

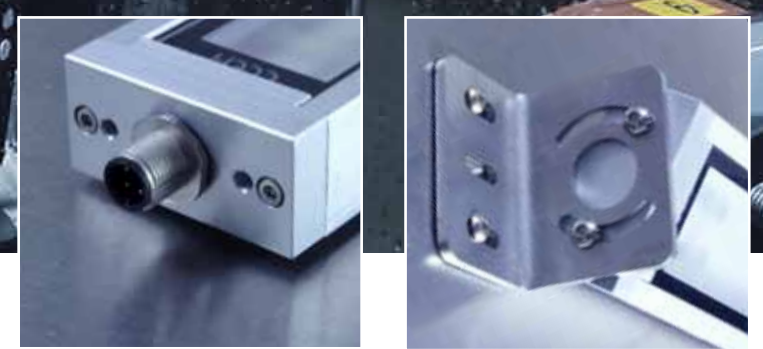
In collaboration with important food machines producer, we designed the IP69K TABIT series for food processing and bottling machines. The brightest star on Orion's shield, the name TABIT means "the endurer". It gets its name from its robust aluminium structure with a high degree of protection, which makes it the perfect lamp for use under pressurised water up to 100 bar. The completely waterproof structure is tested in every product according to standard EN-60529.

- Anodized aluminium structure with aluminium side caps for a light, anti-corrosion and vibration-resistant structure
- IP69K degree of protection according to EN-60529 for total protection against pressurized water
- Power LED with 60,000 hours of average life, which eliminates maintenance costs and guarantees an energy saving of 50%
- 5000K monochrome light to recreate an environment with natural, effective lighting
- 120° diffused beam for uniform lighting free from photobiological hazards in accordance with EN 62471:2009
- Direct 24Vdc connection without external components (Integrated Driver System)
- M12 connector or cable connection
- Stainless steel side plates for 70° light adjustment
- Two versions available





01\_Connection with M12 connector  
02\_Adjustable stainless steel mounting plates



## Efficiency and resistance for the machines

### LONG LASTING PERFORMANCE.

The TABIT series is designed with robust aluminium structure and 4 mm tempered glass that fully protects the lamp against pressurized water. The series includes two versions, 13W and 34W. The lamp is equipped with a Power LED light source that guarantees an average lifespan of 60.000 and it is protected against reverse polarity. This technology guarantees 50% energy saving compared to traditional fluorescent lighting and, unlike neon tubes, provides a constant brightness over time, while keeping the same efficiency during the entire life span of the lamp. In line with international low voltage standards, the I.D.S. (Integrated

Driver System) enables the direct 24Vdc connection without extra components. You can also connect the lamp through the use of a switching to 230 V or with a M12 connector. The fastening devices are designed to allow a wide adjustment of the light beam within the structure, while keeping the complete stability of the lamp. We design custom-made lamps and make lighting studies for installations inside the machines. The TABIT metal structure is customizable and has been studied and designed to meet the needs of the most demanding customers.

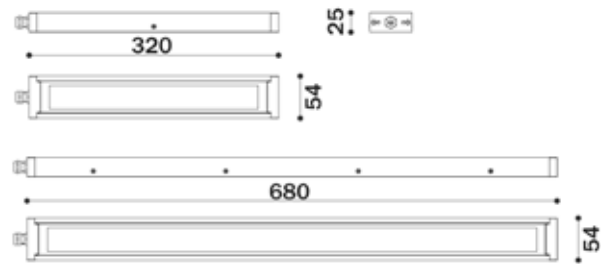


# TABIT

## Technical datasheet



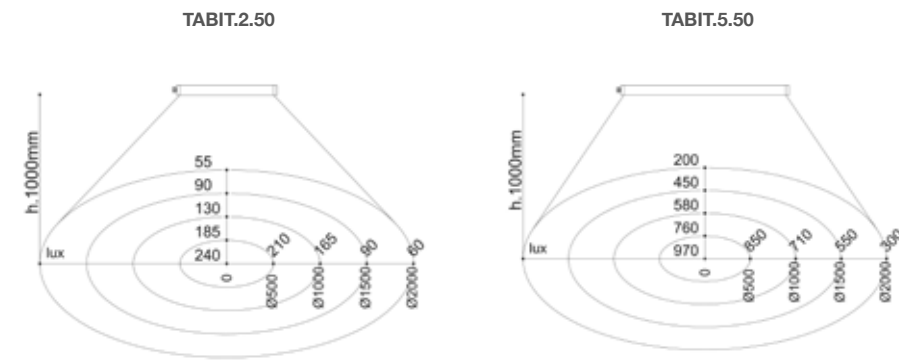
- Robust waterproof aluminium structure with tempered glass
- High degree of protection IP69K
- I.D.S. technology for direct 24Vdc connection
- Available with a side cable or M12 connector
- Protection against reverse polarity



### TECHNICAL FEATURES

	TABIT.2.50	TABIT.5.50
Power supply	24Vdc	24Vdc
Power	13W	34W
Current	0,6 A	1,5 A
Degree of protection	IP69K	IP69K
LED type	mini Power LED	mini Power LED
LED lifespan	50.000 hours	50.000 hours
Lumen LED	1400 lum - 120°	3500 lum - 120°
Light color	5000K -CRI75	5000K -CRI75
Structure	anodized aluminium	anodized aluminium
Glass	tempered 4mm	tempered 4mm
Fastening	TABIT.FX02	TABIT.FX02
Cable	neoprene	neoprene

### LUMINANCE DIAGRAMS



### ORDER CODES

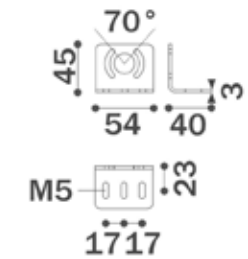
<b>TABIT.2.50</b>	13W - cable 1,5 m	<b>TABIT.2.50.C3</b>	13W - cable 3 m	<b>TABIT.2.50.C10</b>	13W - cable 10 m
<b>TABIT.5.50</b>	34W - cable 1,5 m	<b>TABIT.5.50.C3</b>	34W - cable 3 m	<b>TABIT.5.50.C10</b>	34W - cable 10 m
<b>TABIT.2.50.M12</b>	13W - M12	<b>TABIT.2.50.C5</b>	13W - cable 5 m		
<b>TABIT.5.50.M12</b>	34W - M12	<b>TABIT.5.50.C5</b>	34W - cable 5 m		

### FASTENINGS



Mounting brackets for side fastening

Cod. TABIT.FX02



### POWER SUPPLY UNIT



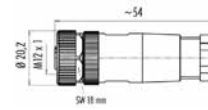
AC/DC power supply unit  
110/230V-24Vdc - 60W

Cod. A0361005060922D

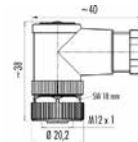
**M12-A 4 PIN CONNECTOR FEMALE IP67**



Code	Current	Conductors	Fastenings	Ø Cable
N11810001040302	4 A	Max 0,75mmq	Screws	6-8mm



Code	Current	Conductors	Fastenings	Ø Cable
N11910001040302	4 A	Max 0,75mmq	Screws	6-8mm



**M12-A 4 PIN CONNECTOR FEMALE IP67 WITH CABLE**



Code	Connector	Cable	Length
M12V.F.3C1,5	N11810001040302	3x0,75mmq - Ø est 7 mm	1,5 m
M12V.F.3C3	N11810001040302	3x0,75mmq - Ø est 7 mm	3 m
M12V.F.3C5	N11810001040302	3x0,75mmq - Ø est 7 mm	5 m
M12V.F.3C10	N11810001040302	3x0,75mmq - Ø est 7 mm	10 m



Code	Connector	Cable	Length
M12V.FL.3C1,5	N11910001040302	3x0,75mmq - Ø est 7 mm	1,5 m
M12V.FL.3C3	N11910001040302	3x0,75mmq - Ø est 7 mm	3 m
M12V.FL.3C5	N11910001040302	3x0,75mmq - Ø est 7 mm	5 m
M12V.FL.3C10	N11910001040302	3x0,75mmq - Ø est 7 mm	10 m



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