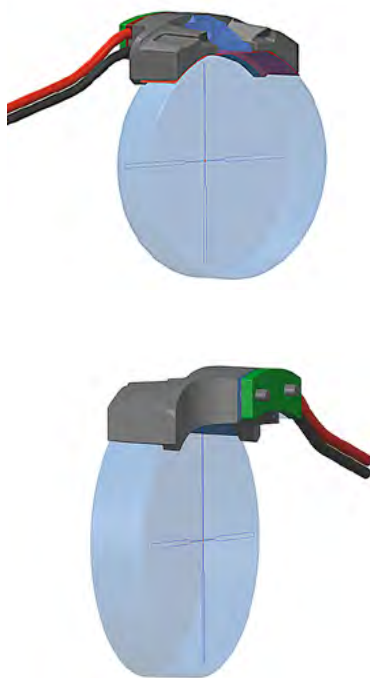


IMT Power Light 22/25

The IMT Power-Light Series sets a new standard for all riflescope applications. Customized patterns and tailormade illumination along with our patented diffractive technology allows for ready to use reticles for first and second focal plane. An outstanding brightness, low power consumption, blocked forward signature and a standardized housing put the assembly on the next level.





Applications

- › Rifle scopes

Benefits

- › Compact device
- › Easy fitting assembly
- › Ideal for first and second focal plane
- › Blocked forward signature

About IMT

- › Foundry for optical, electrical and micro-fluidic structures and components
- › Fast prototyping through in-house mask manufacture
- › Staff of 100 employees
- › 1300 m² clean room



IMT Masken und Teilungen AG
 Im Langacher 46
 8606 Greifensee (Zurich)
 Switzerland
 Phone +41 44 943 19 00
 info@imtag.ch
 www.imtag.ch

Technical Data

	<u>PL-22</u>	<u>PL-25</u>
Housing		
Material	ABS / Zeonex K26R	ABS / Zeonex K26R
Holder diameter	22.8 + 0.4 – 0.2 mm	24.8 + 0.4 – 0.2 mm
Total thickness	9.9 ± 0.2 mm	10.8 ± 0.2 mm
Weight incl. reticle	3.4 gr	4.1 gr

Reticle		
Material	Schott B270	Schott B270
Diameter	Ø 18 mm g8	Ø 20 mm g8
Thickness	4.0 mm ± 0.1 mm	4.0 mm ± 0.1 mm
Free optical aperture	17 mm	19 mm
Centering accuracy	± 50 µm	± 50 µm
Pattern design	see designrules	see designrules
Refractive index	1.52	1.52
Transmission (avg)	> 98.5 % at 415 nm – 685 nm	> 98.5 % at 415 nm – 685 nm
According to	MIL-Std-750, MIL-PRF.13830B	MIL-Std-750, MIL-PRF.13830B

Light Engine		
Operating wavelength	633 nm ± 5 nm (super-red)	633 nm ± 5 nm (super-red)
Brightness levels	free scaleable	free scaleable
Power consumption	< 3 mA typical	< 3 mA typical
Max.operating current	30 mA	30 mA
Cable typ	AWG 30	AWG 30
Cable length	> 200 mm	> 200 mm

Environmental Tests		
Temperatur range	-25 °C to +80 °C	-25 °C to +80 °C
Shock test lab	1000 G half sine	1000 G half sine
Shot test field	800 rounds .308 WIN FMJ BT	800 rounds .308 WIN FMJ BT

Scope of Delivery	
Packed in shells of 5 pcs	Single Unit contains: Holder, Reticle, PCB, Prism, Cable

