

ZM-18 Developers Kit – Red**Z-LASER Model: Z40M18S-F-640 Kit**

Output power:	640nm/40mW
Housing:	M18 industry housing, brass nickel plated Optic head aluminium anodised
Dimensions:	Ø 20mm × 108mm
Protection class:	IP67
Case temperature:	-10°C to +50°C (heat dissipation with bracket)
Supply voltage:	5V - 30V DC +/-5%
Electrical connection:	Standard M12 × 1 plug, 4 pole
Operating mode:	APC with current limiting
Modulation:	Analogue intensity control with digital TTL Trigger
Frequency range:	Analogue up to 5Hz, digital up to 1kHz
Focus:	Free focusable
Focus range:	100mm to infinity
Laser class:	3B (EN 60825-1:10-2003)
Standardisation:	CE

7 Optic Heads:

Optic head -pe:	Elliptic point
Optic head -lg90:	Line - Gaussian light distribution Cylindrical lens - 90° fan angle
Optic head -lr30:	Line - homogenous light distribution Raster lens - 30° fan angle
Optic head -5L17	5 parallel lines DOE, 5° × 17° fan angle
Optic head -25L27	25 parallel lines DOE, 27° × 27° fan angle
Optic head -11x11p28	11x11 dots DOE, 28° × 28° fan angle
Optic head -51x51q23	51 × 51 lines DOE, 22° × 22° fan angle
Power supply:	Wide range power supply WPS-5-M12 Input voltage: 100V - 240V AC / 47Hz - 63Hz Output voltage: 5V DC
Mounting:	Aluminium mount H2-20, tiltable for lasers Ø20mm elongated hole in bottom