



aquaplan

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**CLASSIFICAZIONE SICUREZZA LASER SECONDO
LA EN 60825-1
“MODULO LASER GENERATORE LINEA
COD. 2510-LASER5MWLINEA”**



DITTA: FUTURA ELETTRONICA s.r.l.

Via Adige - Gallarate

Marzo 2022

NS COD.: 22772 REV. 0.0



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** Small (Point) Source **
***** Calculation Details *****
***** CW Operation *****

Input Parameters:

Laser Beam Wavelength 650 nm
Exposure to Beam Time Frame 30000 s
Laser Output Power 1.131 mW
Axis 1 Laser Beam Diameter 3 mm
Axis 2 Laser Beam Diameter 3 mm
Axis 1 Beam Divergence 60 °
Axis 2 Beam Divergence 0.0001 °
Laser to Target Distance 0.1 m

Calculation Results:

Limiting M.P.E. 10 W/m²
Accessible Emission 1.74 W/m²
M.P.E. Excess174
Class 1 AEL Excess 1.06
N.O.H.D. Indeterminate!
Extended NOHD Indeterminate!
Nominal O.D. N/A, N/A
MPE Limit Aperture 7 mm
ExNOHD Aperture 50 mm
Test Class 1M
Spot Major Axis 118 mm
Spot Minor Axis 3 mm
Beam Irradiance 1.74 W/m²
Radiant Exposure 52.1 kJ/m²
EN207 L Number DL1
Class Time Base 30,000 s

IL MODULO LASER APPARTIENE ALLA CLASSE SICUREZZA 1M SECONDO LA EN60825-1