OPTRONIC[™] L A B O R A T O R I E S

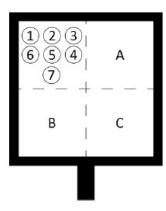
RAW DATA FOR HIGH-POWER LASER

PTFE is one of three coatings Optronic Laboratories uses inside its integrating spheres. For applications involving high power lasers, the user should operate within the limitations prescribed below.

Experimental Setup

- Disk-Laser emitting @ 1030 nm
- Measurement with 2 mm beam diameter close to focus

Division of Sample-Surface



Test Areas - #1 - #6

AREA #	POWER	DURATION	BEAM DIAMETER	COMMENT
1	500W	1s	2mm	No Visible Damage
2	1kW	1s	2mm	No Visible Damage
3	1kW	10s	2mm	No Visible Damage
4	2kW	1s	2mm	No Visible Damage
5	2kW	10s	2mm	Visible Damage
6	2kW	5s	2mm	No Visible Damage

* See Figures

Before Exposure



After Exposure



After Exposure



Information Sheet: IS84 Feb 2019 As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.