EMBLASER 2 SAFETY SPECIFICATION SHEET
2019

EMBLASER 2
DESKTOP LASER CUTTER / ENGRAVER

The revolutionary desktop laser cutter and engraver from Darkly Labs.
## SAFETY SPECIFICATIONS

### ENCLOSURE

| Enclosure | Aluminium, metal and polycarbonate construction  
V-0 fire safety rating  
Rated to Class1 laser product specifications | (UL94-2013REV:4:2015)  
IEC 60825-1 |
| Lid | Optical-grade polycarbonate  
Shatterproof  
V-0 fire safety rating  
Rated to Class1 laser product specifications | (UL94-2013REV:4:2015)  
IEC 60825-1 |

### ELECTRONICS

| Interlock System | Integrated resistive-ID system  
Dual-redundancy  
Complies with CDRH & Machinery Safety Directive | CFR 1010 - 1050  
IEC 60825-1 |
| Low-Voltage Device | 12v DC operating voltage  
Classified as a ‘Low Voltage Device’ |
| Internal Safety Sensors | Integrated workspace temperature sensor for fire detection  
Integrated audible alarm and automatic shutdown |
| AUS / NZ Electrical Safety | Compliant with all Australian and New Zealand electrical and radio safety requirements  
AS/NZS 2772.2:2011  
EN 301 489-1: V1.9.2  
EN 301 489-17: V2.2.1  
EN 62311:2008  
AS/NZS 4268: 2012 |

### OPTICS

| Class 1 Laser Product | Complies with IEC directives for Class1 laser products | IEC 60825-1 |
| CDRH Compliance | Complies with CDRH requirements for Class1 laser products | CFR 1010 - 1050 |

### DOCUMENTATION

| User Manual | Detailed User Manual covering operation and maintenance  
Information on safety precautions and materials  
Best Practices for workspace setup |
| Labeling | Safety labeling as required by FDA, CDRH & CE standards |

For questions and more information, please email info@darklylabs.com.