

## Miniature High Output UV Curing Lamps

The miniature MZero takes the Integration Technology modular range of UV systems, one step further. Designed specifically for inkjet curing applications, the reduced footprint and ultra-light weight allows for the creation of miniature UV inkjet systems that have, until now, not been possible. With an arc length of just 5mm (0.2in), the MZero is ideally suited to medium size printer/plotters and marking and encoding applications using 20mm inkjet heads. This advanced lamp system represents the most effective, lightweight, high output, miniature UV emitter on the market today.

A comprehensive engineering service is available to inkjet OEM clients to configure a lamp precisely to individual machine requirements. From variable output to quartz filters, the options allow the customer to build a system representing the cutting edge of UV technology.

## MZero Standard Features

- Ultra compact 'footprint'
- Ultra light weight
- High intensity reflector system
- Quartz filter
- Quick change attachment
- Rapid warm-up and cool down
- Integrated air-cooling
- Extendable length, high-flex power lead
- Plug and socket cabling connections
- One year Integration Technology Warranty



## MZero Range

Power	Arc Length	UVA output
316 W/cm	5mm (0.2")	0.45 w/cm2

## MZero Options

- Electronic power supply
- Electronic high performance shutter TBA

## MZero Compliances (proposed)

ISO CE UL CUL CB 60950-1  
 CE EN 60204  
 EMC EN 55015  
 EMC EN 61000

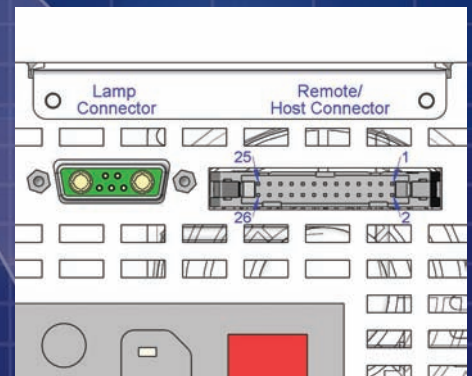
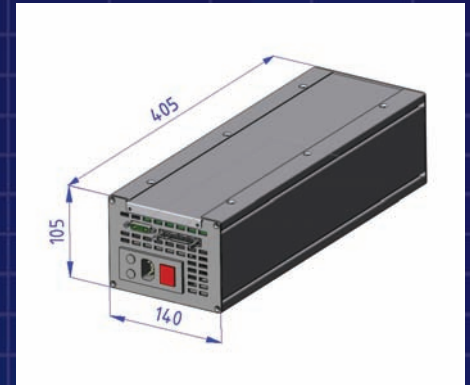
## Power Supply

### Remote/Host Connector pin-out

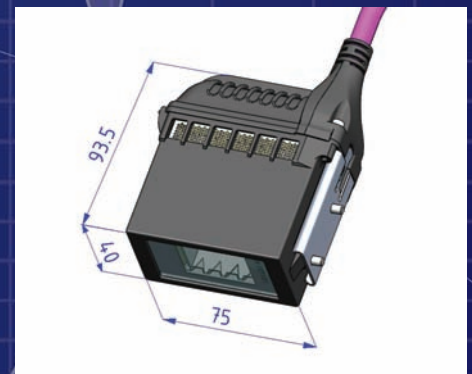
1. Address Bit 0	14. Status Bit 1
2. Address Bit 1	15. Status Bit 2
3. Address Bit 2	16. Status Bit 3
4. Address Bit 3	17. Status Bit 4
5. Isolator	18. -
6. Power Bit 0	19. -
7. Power Bit 1	20. -
8. Power Bit 2	21. Write Request
9. Shutter	22. Acknowledged
10. Read Request	23. Cable Detect
11. -	24. 0V
12. -	25. 0V
13. Status Bit 0	26. 0V

100-230V 50/60Hz  
 Other power supply specifications available on request

## Power Supply



## Lamp Unit



INTEGRATION TECHNOLOGY LTD.  
 115 Heyford Park, Upper Heyford  
 Oxfordshire, UK, OX25 5HA  
 T: +44 (0) 1869 233611  
 F: +44 (0) 1869 233599  
 mail@uvintegration.com  
 www.uvintegration.com