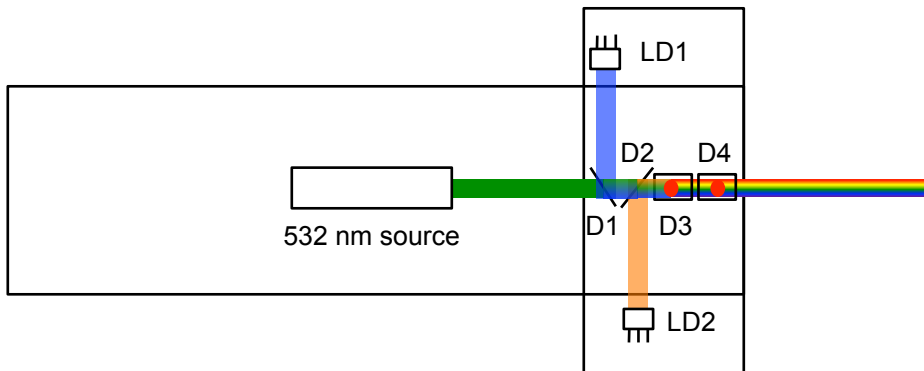
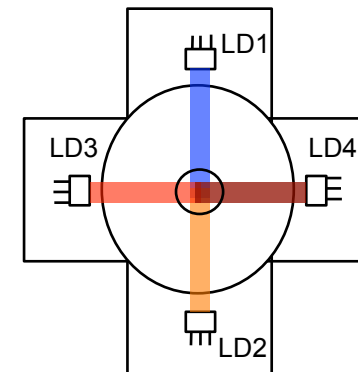


## Rough Sketch (not to scale)

Side View



Front/Rear View



### Laser diode possibilities(?)

|            | <u>Product</u> | <u>Wavelength</u> | <u>Power</u> | <u>URL</u>                                                                                                                                                                                                                                  |
|------------|----------------|-------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LD1</b> | LDX-3102-445   | 445 nm            | 1 W          | <a href="http://www.rpmclasers.com/controlpanel/editor/filemanager/connectors/php/files/file/Diode%20Catalog%202011.pdf">http://www.rpmclasers.com/controlpanel/editor/filemanager/connectors/php/files/file/Diode%20Catalog%202011.pdf</a> |
| <b>LD2</b> | LDX-2410-630   | 630 nm            | 400 mW       | <a href="http://www.rpmclasers.com/controlpanel/editor/filemanager/connectors/php/files/file/Diode%20Catalog%202011.pdf">http://www.rpmclasers.com/controlpanel/editor/filemanager/connectors/php/files/file/Diode%20Catalog%202011.pdf</a> |
| <b>LD3</b> | LDX-3230-680   | 680 nm            | 1.8 W        | <a href="http://www.aptechnologies.co.uk/images/stories/LDX_445-690nm_LaserDiodes_16May12.pdf">http://www.aptechnologies.co.uk/images/stories/LDX_445-690nm_LaserDiodes_16May12.pdf</a>                                                     |
| <b>LD4</b> | LDX-3765-808   | 808 nm            | 7 W          | <a href="http://www.rpmclasers.com/controlpanel/editor/filemanager/connectors/php/files/file/Diode%20Catalog%202011.pdf">http://www.rpmclasers.com/controlpanel/editor/filemanager/connectors/php/files/file/Diode%20Catalog%202011.pdf</a> |

### Dichroic mirror possibilities(?)

|           | <u>Product</u>  | <u>Cutoff wavelength</u> | <u>URL</u>                                                                                                                                                                                                                        |
|-----------|-----------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>D1</b> | Edmund NT69-866 | 500 nm                   | <a href="http://www.edmundoptics.com/optics/optical-filters/longpass-edge-filters/dichroic/longpass/filters/3386">http://www.edmundoptics.com/optics/optical-filters/longpass-edge-filters/dichroic/longpass/filters/3386</a>     |
| <b>D2</b> | Edmund NT69-180 | 600 nm                   | <a href="http://www.edmundoptics.com/optics/optical-filters/shortpass-edge-filters/dichroic-shortpass-filters/3344">http://www.edmundoptics.com/optics/optical-filters/shortpass-edge-filters/dichroic-shortpass-filters/3344</a> |
| <b>D3</b> | Edmund NT69-181 | 650 nm                   | <a href="http://www.edmundoptics.com/optics/optical-filters/shortpass-edge-filters/dichroic-shortpass-filters/3344">http://www.edmundoptics.com/optics/optical-filters/shortpass-edge-filters/dichroic-shortpass-filters/3344</a> |
| <b>D4</b> | Edmund NT69-183 | 750 nm                   | <a href="http://www.edmundoptics.com/optics/optical-filters/shortpass-edge-filters/dichroic-shortpass-filters/3344">http://www.edmundoptics.com/optics/optical-filters/shortpass-edge-filters/dichroic-shortpass-filters/3344</a> |