

High power ring light

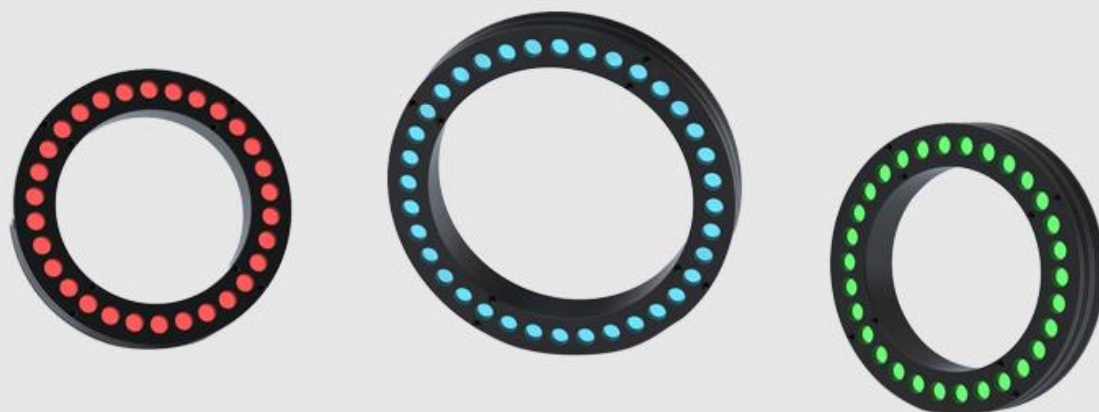
NV-DRG series

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## High power ring light NV-DRG series

High power ring light is combined with high bright & high density large LED particles array, match with condenser lens to emitting to the center with various dimensions.



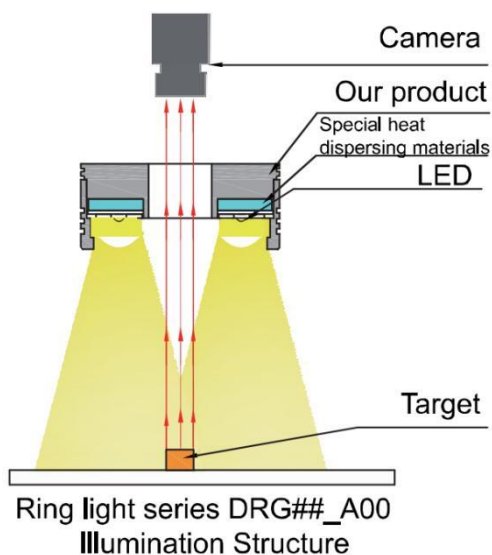
### Features

- ◇ High brightness large LED particles array
- ◇ Far illuminating distance and large illuminating area
- ◇ Various colors can be customized
- ◇ Diffuse board is optional, increase the uniformity of lights
- ◇ Use wave-soldering technology, improved product quality, easy installation

### Application Areas

- ◇ Far illuminating distance ◇ Inspection of lables
- ◇ Large illuminating area
- ◇ Inspect the general appearance
- ◇ High speed assembly line illuminating

### Illumination constructure



## Selection Guide

| NV         | DR                   | ##               | A##            | R/G/B/W |
|------------|----------------------|------------------|----------------|---------|
| New vision | Low angle ring light | Outside Diameter | Emitting Angle | Color   |

## Technical Index

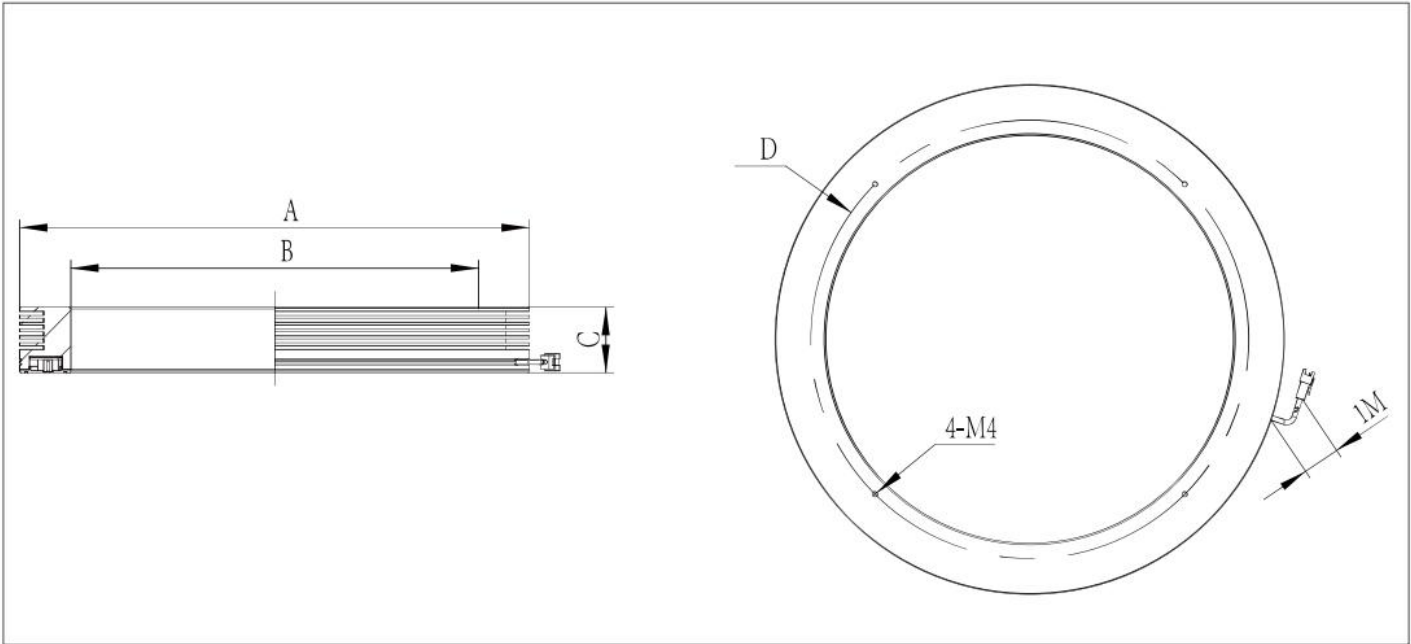
|                          |                                                                                                                      |                 |                |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------|----------------|
| Color<br>(Wavelength)    | Red:620-630nm                                                                                                        | Green:525-530nm | Blue:465-470nm |
|                          | White color temperature<br>6600-7000K                                                                                | UV:365-395nm    | IR:850/940nm   |
| Operating<br>environment | Temperature: 0 to 50°C, Humidity: 20% to 85% RH                                                                      |                 |                |
| Life time                | 100,000hrs theoretical service time(Depends on the operating environment, not a guarantee.)                          |                 |                |
| Compatible<br>Controller | Analog Controller, Digital Controller, Constant Current Controller                                                   |                 |                |
| Optional<br>Accessory    | 1.Lights source and lens adaptor.                                                                                    |                 |                |
|                          | 2.Diffusion plate,Polarizing plate. (Optional transmittance:60%,70%,80%,90%)                                         |                 |                |
|                          | 3.Extension cable:1m/2m/5m/10m/15m(2 kinds of materials of the shell of wire:PVC of hardness; silicone of softness.) |                 |                |
| Warranty                 | One year warranty,Free samples and technical support(buyers pay for the freight)                                     |                 |                |
| Lights<br>customization  | Provide design and development service according to individual needs of customers. To reach the best image effects.  |                 |                |

Light parameters(voltage is 24V)

| Angle | Model          | Color<br>(R/G/B/W)                                                                                                                                                                                                                                                                                                                      | Power(W)                                                                                    |                                                                                             | Dimentions        |                   |                       |                |                    |   |
|-------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------|----------------|--------------------|---|
|       |                |                                                                                                                                                                                                                                                                                                                                         | Output<br> | Output<br> | O.D.<br>(mm)<br>A | I.D.<br>(mm)<br>B | Mounting<br>hole<br>C | Thickness<br>D | Quantity<br>of row |   |
| 0°    | NV-DRG90-A00-  |     | 5.3W                                                                                        | 7.6W                                                                                        | 90                | 34                | 43                    | 60             | 1                  | 1 |
|       | NV-DRG120-A00- |     | 9.9W                                                                                        | 14.6W                                                                                       | 120               | 60                | 43                    | 80             | 1                  |   |
|       | NV-DRG180-A00- |     | 20.3W                                                                                       | 29.3W                                                                                       | 180               | 120               | 43                    | 140            | 1                  |   |
|       | NV-DRG240-A00- |     | 28.5W                                                                                       | 37.5W                                                                                       | 240               | 180               | 43                    | 210            | 1                  |   |
|       | NV-DRG320-A00- |     | 50.2W                                                                                       | 66.2W                                                                                       | 230               | 256               | 41                    | 275            | 1                  |   |
|       | NV-DRG600-A00- |     | 70.3W                                                                                       | 86.3W                                                                                       | 600               | 540               | 43                    | 570            | 1                  |   |

\*All the models can be made with R,G,B,W,IR,UV light, but some special colors of LED particles should contact us first to custom.

Installation diagram



Applications



Inspect the automobile hub  
◇Model:NV-DRG320-W  
Because the long working distance and large area require the light source should not be too heavy, so the high bright ring light with large led particles can fulfill the requirement quite well.