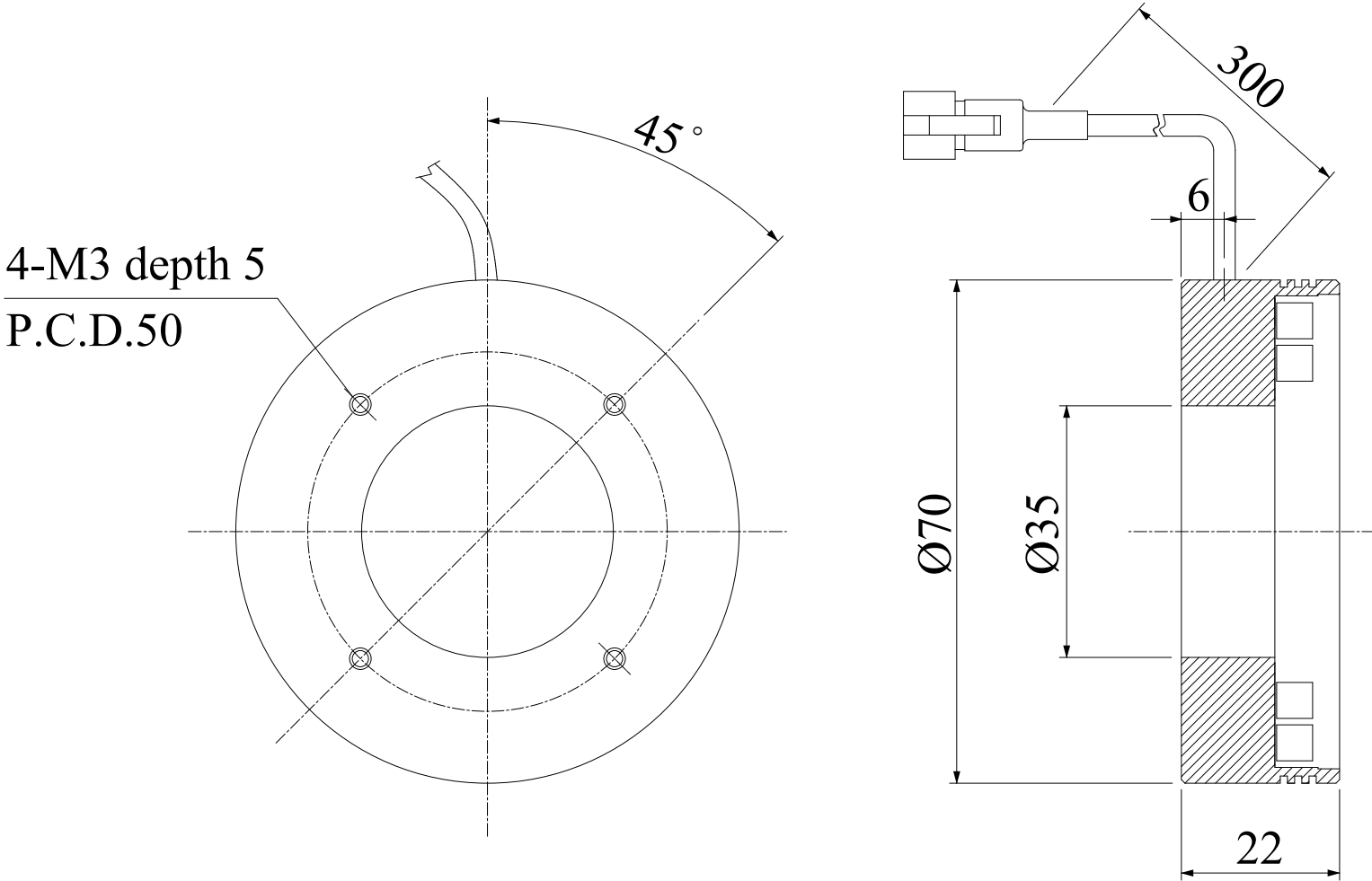


# LDR2-70UV365

|                   |                         |
|-------------------|-------------------------|
| Model             | LDR2-70UV365            |
| Voltage           | 24V DC                  |
| Power consumption | 2.9W                    |
| Mass              | 130g                    |
| Connector type    | 3P(1: + , 2: NC , 3: -) |

Third Angle Projection      Units: mm





# Ultraviolet Lights UV Series

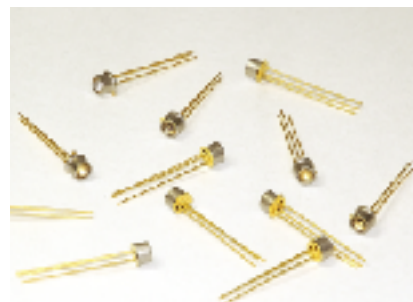
## Spark-prevention structure achieves enhanced safety and reliability

Use of an original UV light LED with a peak wavelength of 365nm and a directional pattern of  $\pm 20^\circ$



## Employment of original ultraviolet LED achieving even higher safety and reliability

CCS's proprietary LED package with anti-spark protection



While an LED usually has two leads, CCS's original ultraviolet LED is provided with an additional lead. This unique structure has achieved a spark prevention effect.

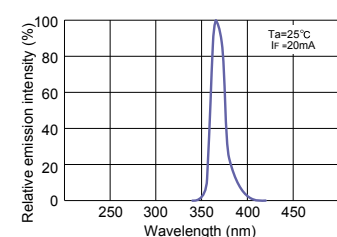
Unprotected UV light model vs. new model with anti-spark protection



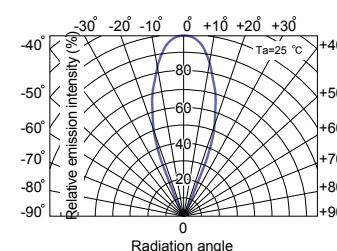
Many ultraviolet LEDs have packages made from iron alloy, making them vulnerable to static electricity. This has created a major problem with individual LED failure due to a spark occurring when there is contact with a piece of conductive material. CCS's original ultraviolet LED has eliminated this problem by employing a proprietary anti-spark protection feature.

## Wavelength of 365 nm and LED light spread of $\pm 20^\circ$

Distribution of emission spectrum of UV light LED



Directional pattern of UV light LED



The original UV light LED is available with a peak wavelength of 365nm and a directional pattern of  $\pm 20^\circ$ . The use of a single wavelength as a characteristic of the LED gives a more precise image of the characteristics of a workpiece compared with the use of conventional black lights, and allows for stable shooting over an extended period of time. A wide product lineup offers optimum lighting solutions best suited to a variety of inspection objects, inspection environments and optical systems.

## Option filter

Ultraviolet transmission filter

Ultraviolet cutting filter

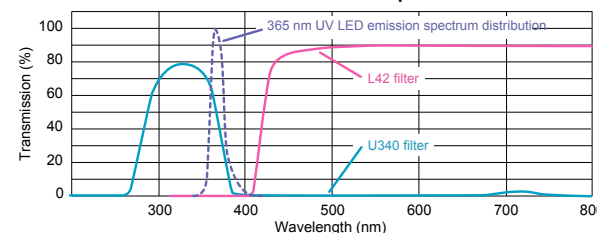
U340 Series

| Model   | Size        |
|---------|-------------|
| U340-25 | M25.5 P0.5  |
| U340-27 | M27.0 P0.5  |
| U340-30 | M30.5 P0.5  |
| U340-40 | M40.5 P0.5  |
| U340-46 | M46.0 P0.75 |

L42 Series

| Model  | Size        |
|--------|-------------|
| L42-25 | M25.5 P0.5  |
| L42-27 | M27.0 P0.5  |
| L42-30 | M30.5 P0.5  |
| L42-40 | M40.5 P0.5  |
| L42-46 | M46.0 P0.75 |

Filter characteristic vs. UV LED emission spectrum distribution



## Product Lineup Table

| Series   | Model Name        | Color | Power Consumption | Options | Dimension |
|----------|-------------------|-------|-------------------|---------|-----------|
| LDR2     | LDR2-32UV365      | ●     | 24V/0.4W          | —       | 1         |
|          | LDR2-42UV365      | ●     | 24V/0.8W          | —       |           |
|          | LDR2-50UV365      | ●     | 24V/1.2W          | —       |           |
|          | LDR2-70UV365      | ●     | 24V/3.1W          | —       | 2         |
|          | LDR2-90UV365      | ●     | 24V/3.8W          | —       |           |
|          | LDR2-90-30UV365   | ●     | 24V/6.1W          | —       |           |
| SQR      | LDR2-120UV365     | ●     | 24V/9.5W          | —       | 3         |
|          | SQR-56UV365       | ●     | 24V/1.6W          | —       | 4         |
| LDR2-LA  | LDR2-74UV365-LA   | ●     | 24V/1.9W          | —       | 5□        |
|          | LDR2-100UV365-LA  | ●     | 24V/4.6W          | —       | 6□        |
|          | LDR2-132UV365-LA  | ●     | 24V/6.9W          | —       |           |
|          | LDR2-170UV365-LA  | ●     | 24V/9.9W          | —       |           |
|          | LDR2-208UV365-LA  | ●     | 24V/12W           | —       |           |
| LDR-LA-1 | LDR-75UV365-LA-1  | ●     | 24V/1.6W          | —       | 7         |
|          | LDR-96UV365-LA-1  | ●     | 24V/2.3W          | —       | 8         |
|          | LDR-146UV365-LA-1 | ●     | 24V/3.1W          | —       |           |

| Series    | Model Name        | Color | Power Consumption | Options | Dimension |
|-----------|-------------------|-------|-------------------|---------|-----------|
| LDR-LA-1  | LDR-176UV365-LA-1 | ●     | 24V/3.8W          | —       | 8         |
|           | LDR-206UV365-LA-1 | ●     | 24V/4.6W          | —       |           |
| LDL       | LDL-34x8UV365     | ●     | 24V/0.4W          | —       | 9□        |
|           | LDL-42x15UV365    | ●     | 24V/0.8W          | —       | 10□       |
|           | LDL-74x27UV365    | ●     | 24V/3.1W          | —       | 11□       |
|           | LDL-82x15UV365    | ●     | 24V/1.6W          | —       | 12□       |
|           | LDL-130x15UV365   | ●     | 24V/2.3W          | —       | 13□       |
|           | LDL-180x16UV365   | ●     | 24V/3.8W          | —       | 14□       |
| LDQ       | LDQ-60-25UV365    | ●     | 24V/1.6W          | —       | 15□       |
|           | LDQ-78UV365       | ●     | 24V/1.6W          | —       | 16□       |
|           | LDQ-100UV365      | ●     | 24V/3.1W          | —       | 17□       |
|           | LDQ-150UV365      | ●     | 24V/6.1W          | —       | 18□       |
|           | LDQ-200UV365      | ●     | 24V/9.1W          | —       | 19□       |
| LN<br>LSP | LN-200UV365       | ●     | 24V/1.9W          | —       | 20        |
|           | LSP-41UV365       | ●     | 24V/1.2W          | —       | 21        |

## Dimensions (Unit: mm)

