

# LED Dome Illumination «LDG Series»

## LDG Series

Irradiates diffused light from inside of dome shapes



Natural heat dissipation

Customizable

Emission color

### Features

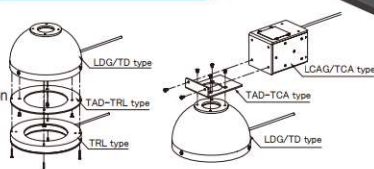
- Reflected light inside the dome is irradiated uniformly.
- Reflection is reduced because diffused (indirect) light is irradiated on the sample.
- Best suited for indirect-light irradiation to work from close range
- Best suited for inspection of printing on reflective metals, films, and plastics
- Wide range of applications such as electronic parts, printing, food processing, and medical treatment.

Inspection of shapes of cup noodle ingredients



### Application example

Reflective surface inspection,  
curved surface visual inspection  
Print inspection, shape inspection,  
character recognition, color recognition  
Area camera light source  
and image processing light source



### Example of imaging

- Reading lot numbers on the bottom of spray cans

Diffuse ring light illumination



Lot number cannot be read due to reflection from curved metal surface.

LDG



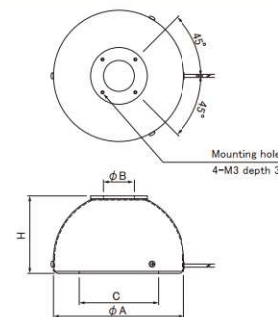
Lot number can be accurately read with uniform diffused light.

### Product Specifications

Model	A	B	C	H	Maximum rated current (A)	Power consumption (W)	Input voltage (V)	Example of applicable power supply
LDG77x27NW-E41	77	20	27	50	0.23	5.4	24	TPDP1B-2410NCW
LDG102x52NW-E41	102	20	52	60	0.31	7.5	24	TPDP1B-2430NCW
LDG127x77NW-E41	127	30	77	75	0.48	9.6	24	TPDP1B-2430NCW
LDG152x102NW-E4	152	30	102	85	0.51	12.2	24	TPDP1B-2430NCW
LDG177x127NW-E41	177	40	127	95	0.57	13.7	24	TPDP1B-2430NCW
LDG202x152NW-E41	202	40	152	110	0.67	16.0	24	TPDP1B-2430NCW
LDG252x202NW-E41	252	60	202	135	0.80	19.1	24	TPDP1B-2430NCW
LDG302x252NW-E41	302	60	252	160	0.95	22.8	24	TPDP1B-2430NCW

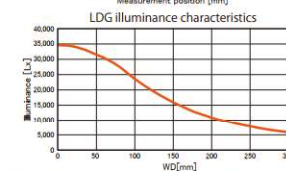
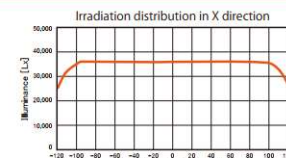
● For details about other sizes, contact our sales department.

### Outer dimensions



\* Product specifications are subject to change without notice.

### Data (Typical example: LDG302x252NW-E41)

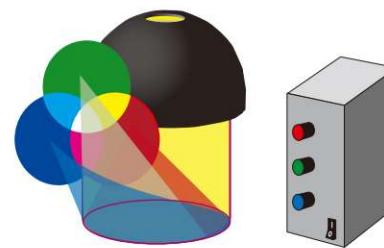


\* Graph information (for reference only) does not guarantee product quality.

### Example of customization

#### RGB dome illumination

- Individual control of RGB light



Inspection of printed characters on containers

