

Model Table

Series	No.	Model	Output ●	Output ○	Output ●	Recommended controller
RI Ring light	1	OPT-RI3C6215-RGB	24V/0.5W	24V/0.9W	24V/1.1W	OPT-DPA1024E
	2	OPT-RI3C8515-RGB	24V/1.6W	24V/2.2W	24V/2.8W	OPT-DPA1024E
FL Back Light	3	OPT-FL3C5050-RGB	24V/1.7W	24V/2.4W	24V/3.4W	OPT-DPA1024E
	4	OPT-FL3C9090-RGB	24V/6.5W	24V/10.1W	24V/12.0W	OPT-DPA1024E
	5	OPT-FL3C130130-RGB	24V/9.6W	24V/20.8W	24V/27.6W	OPT-DPA1024E
LI Bar Light	6	OPT-LI3C8332-RGB	24V/1.1W	24V/1.2W	24V/1.4W	OPT-DPA1024E
	7	OPT-LI3C15320-RGB	24V/1.1W	24V/1.2W	24V/1.4W	OPT-DPA1024E
	8	OPT-LI3C22332-RGB	24V/1.7W	24V/2.4W	24V/3.4W	OPT-DPA1024E
CO Coaxial Light	9	OPT-CO3C50-RGB	24V/1.7W	24V/2.4W	24V/3.4W	OPT-DPA1024E
	10	OPT-CO3C80-RGB	24V/9.4W	24V/7.7W	24V/10.1W	OPT-DPA1024E
Dome Lights	11	OPT-RID180-RGB	24V/7.2W	24V/9.6W	24V/9.6W	OPT-DPA1024E
	12	OPT-RID240-RGB	24V/7.2W	24V/14.4W	24V/14.4W	OPT-DPA1024E

Dimensional Drawings [mm]

1 OPT-RI3C6215-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

2 OPT-RI3C8515-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

3 OPT-FL3C5050-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

4 OPT-FL3C9090-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

5 OPT-FL3C130130-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

6 OPT-LI3C8332-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

7 OPT-LI3C15320-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

8 OPT-LI3C22332-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

9 OPT-CO3C50-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

10 OPT-CO3C80-RGB
Sectional View A-A
3-Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B

11 OPT-RID180-RGB
Sectional View A-A
Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B, 2 Pin

12 OPT-RID240-RGB
Sectional View A-A
Minimum Bending Radius: 20mm
Length: 800 ± 20mm
Connector: JST SMR-Q2V-B, 2 Pin

AOI Lights OPT-RIA series



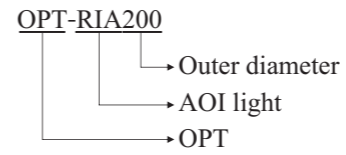
Product Features

- 1 Special diffusers provide high uniformity
- 2 Multi-color illumination from different angles highlights the 3D information e.g. of the soldering
- 3 Widely applied in the inspection of objects with complex shapes

Application Areas

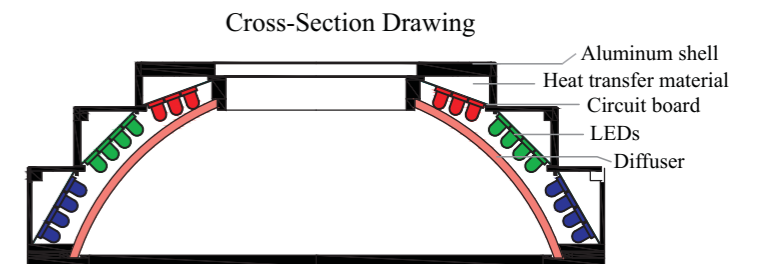
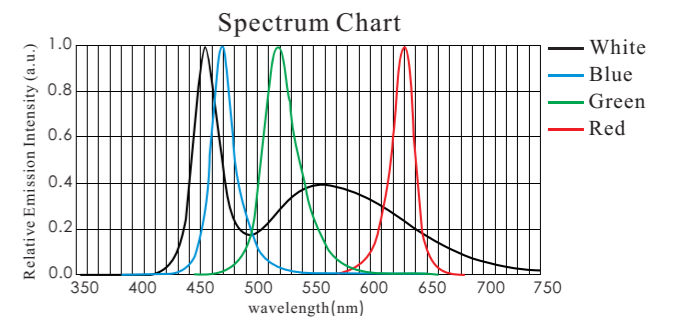
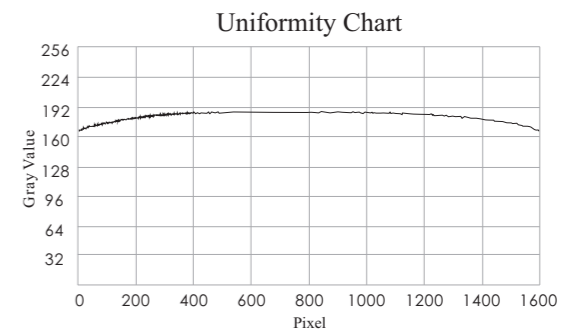
- ◆ Inspection of the soldering of circuit boards
- ◆ Inspection of round objects
- ◆ Inspection of objects with varying height

Selection Guide



Customization Options

- Color
- Size
- Installation method
- Multi-angle
- Light combination
- Independent control of different areas



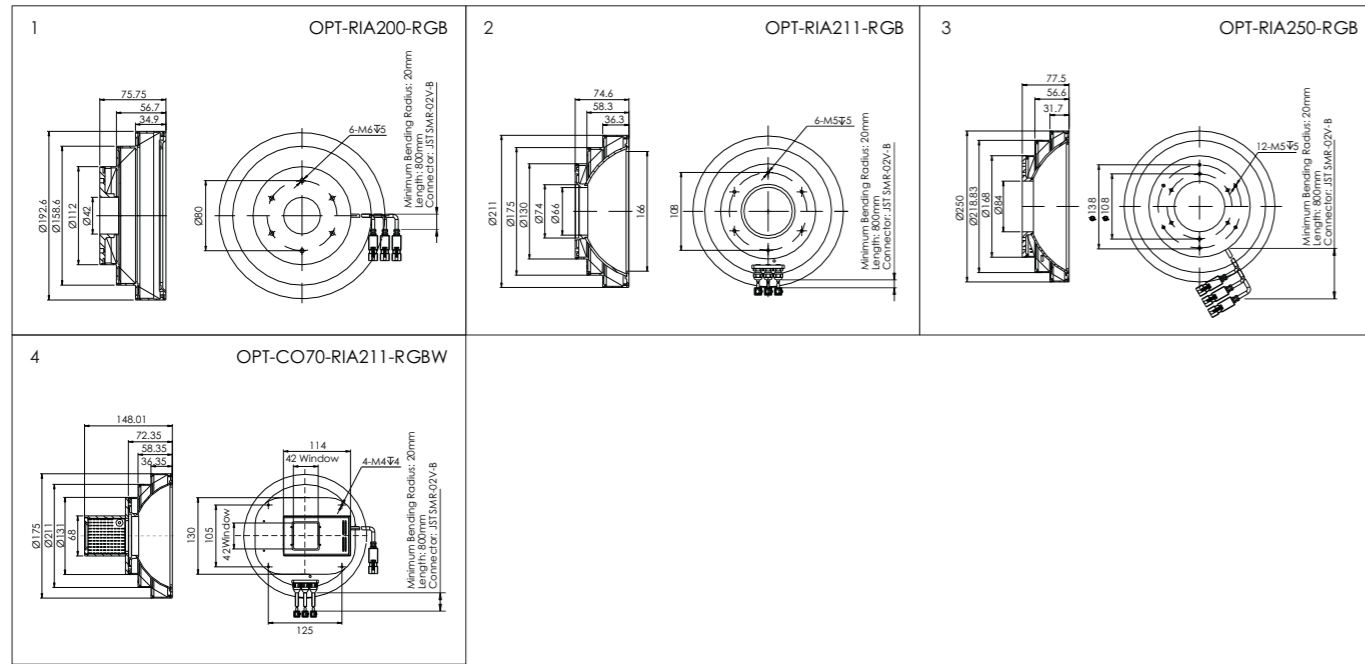
Application Example

Inspected item: Soldering on PCBs

Model Table

Model	Output	Color	Recommended controller
OPT-RIA200-RGB	24V/27.1W	●●●	OPT-DPA1024E
OPT-RIA211-RGB	24V/32.0W	●●●	OPT-DPA1024E
OPT-RIA250-RGB	24V/52.1W	●●●	OPT-DPA1024E
OPT-CO70-RIA211-RGBW	24V/32.4W	●●○●	OPT-DPA1024E

Dimensional Drawings [mm]



Vault Lights OPT-LIU series



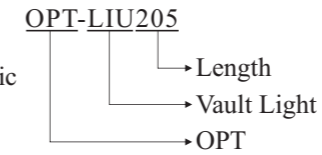
Product Features

- 1 It can get pretty even illumination
- 2 Combines the features of dome lights and bar lights
- 3 Opening on the top for the easy installation of area scan or line scan cameras

Application Areas

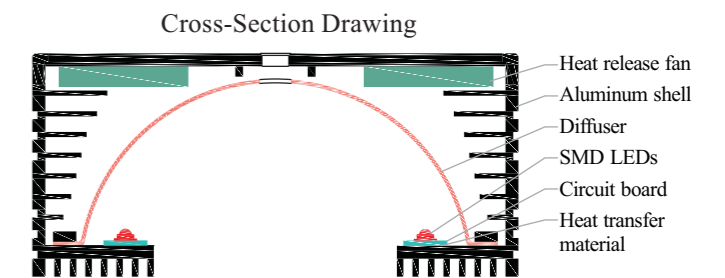
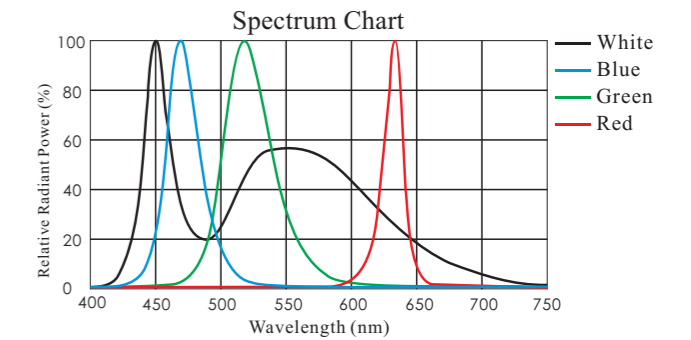
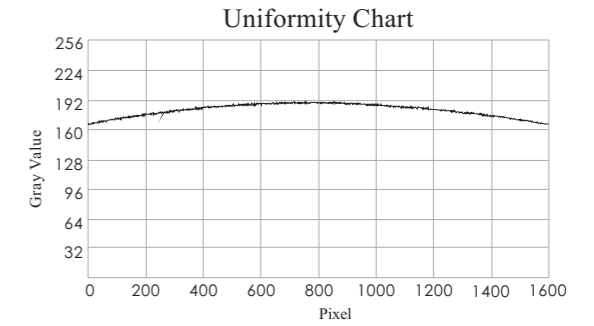
- ◆ Surface inspection of tobacco boxes
- ◆ Inspection of housings of electronic parts for defects and dirt
- ◆ Line scan AOI inspection
- ◆ Large field of view surface inspection

Selection Guide



Customization Options

- Color
- Size
- Installation method
- Multi-angle
- Light combination
- Independent control of different areas



Application Example

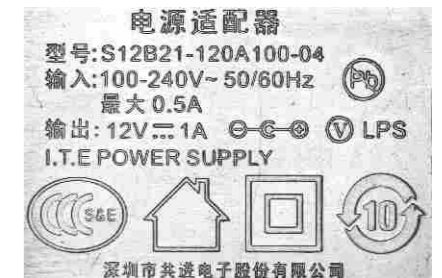
Inspected item: Characters on adapter



Original Image



Illuminated



Result Image