

UV Lights **OPT-UXX-UV Series**



Product Features

Main Features

- Standard products of 365nm and 375nm are provided.
- Glass package LED, long lifecycle.
- Wide irradiation with large radiation range and uniform illumination, narrow irradiation with concentrated light, long irradiation and high radiation intensity.
- Diffuser plate is optional to improve image uniformity.

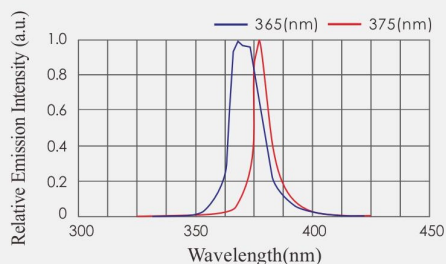
Application Cases

- Banknote/ticket inspection
- Fluorescent material inspection
- Fluorescent OCR, barcodes and QR codes reading Recognition
- Minor housing scratches and damage detection
- UV glue inspection

Customizable Items



Spectrum Chart



Application Cases

■ Glue detection on PCB



Workpiece



Illumination



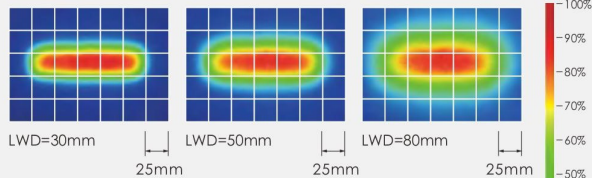
Image

Remark: Users can get clear result image of the transparent UV glue with UV light.

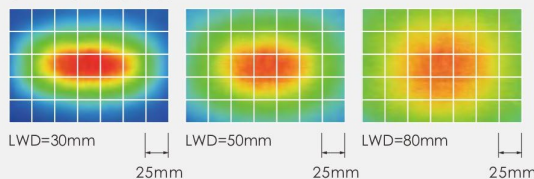
Series features

Relative Radiant Power Distribution

ULI12432-UV365



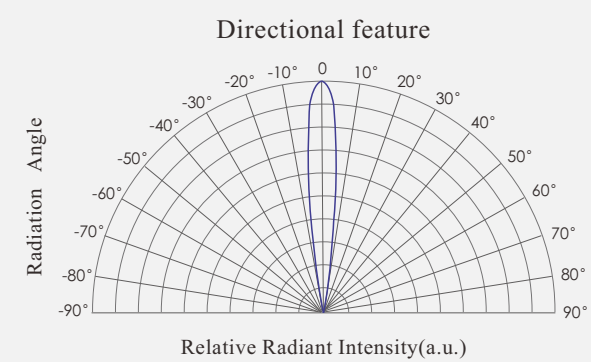
ULI12432W-UV365



Note: The data is for reference only.

Series features

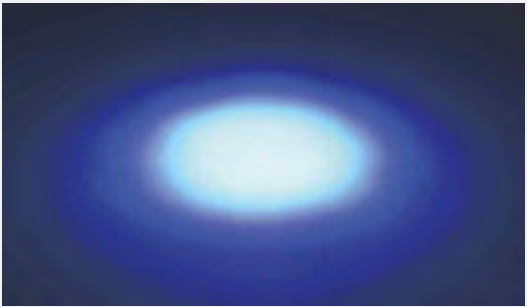
Narrow radiation



Spot contrast

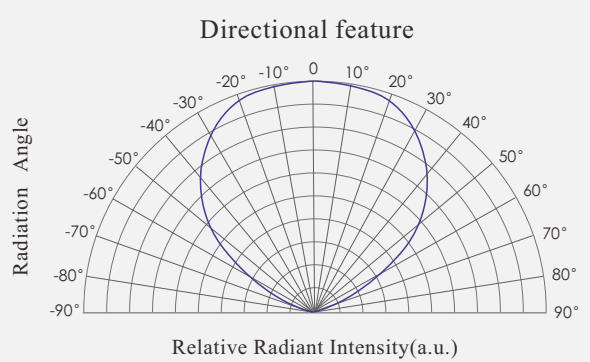


OPT-ULI12432(375nm)

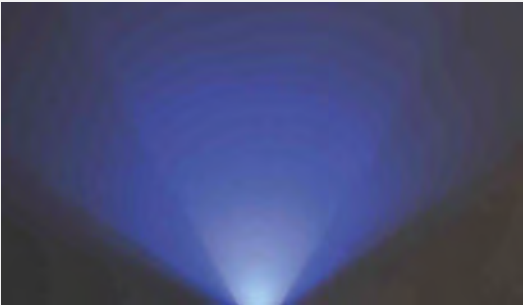


OPT-URI9030(375nm)

Wide radiation



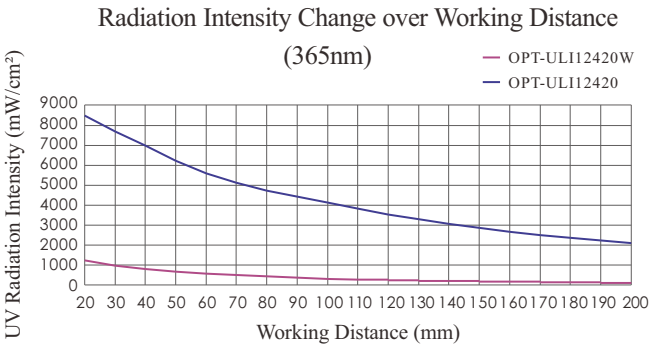
Spot contrast



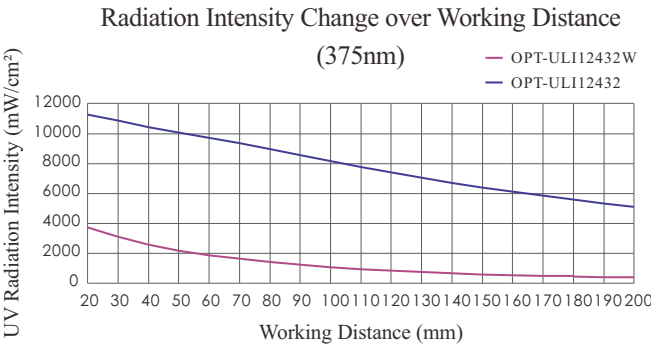
OPT-ULI12432W(375nm)



OPT-URI9030W(375nm)



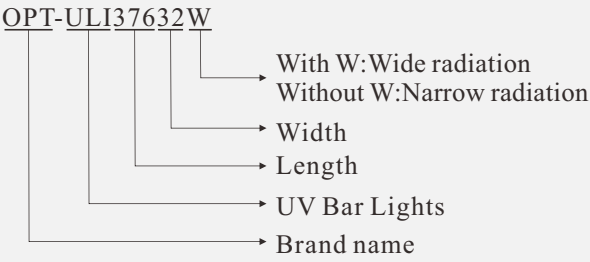
Note: The data is for reference only.



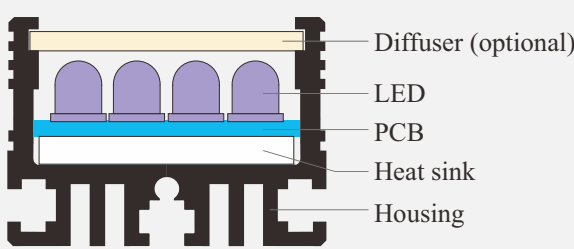
Note: The data is for reference only.

ULI UV Bar Lights

Selection Guide



Section Structure Drawing

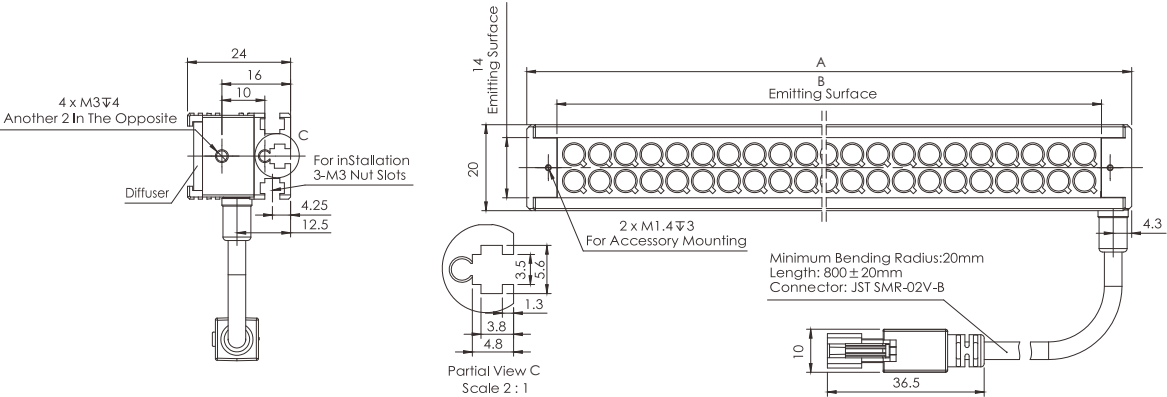


Model Table

No.	Model	* Input@365 nm	* Input@375 nm	Length A(mm)	Emitting B(mm)	Light source width(mm)	Recommended controller
1	OPT-ULI5220	1W@24V	1W@24V	52	38	20	OPT-DPA2024E
2	OPT-ULI5220W						
3	OPT-ULI8820	1.9W@24V	2W@24V	88	74		
4	OPT-ULI8820W						
5	OPT-ULI12420	2.8W@24V	2.9W@24V	124	110		
6	OPT-ULI12420W						
7	OPT-ULI16020	3.6W@24V	3.9W@24V	160	146		
8	OPT-ULI16020W						
9	OPT-ULI19620	4.6W@24V	4.8W@24V	196	182		
10	OPT-ULI19620W						
11	OPT-ULI23220	5.5W@24V	5.8W@24V	232	218		
12	OPT-ULI23220W						
13	OPT-ULI26820	6.4W@24V	6.7W@24V	268	254		
14	OPT-ULI26820W						
15	OPT-ULI30420	6.5W@24V	6.6W@24V	304	290		
16	OPT-ULI30420W						
17	OPT-ULI34020	7.3W@24V	7.4W@24V	340	326		
18	OPT-ULI34020W						
19	OPT-ULI37620	8.2W@24V	8.3W@24V	376	362		
20	OPT-ULI37620W						

* Note: The data is for reference only.

Dimensions (mm)

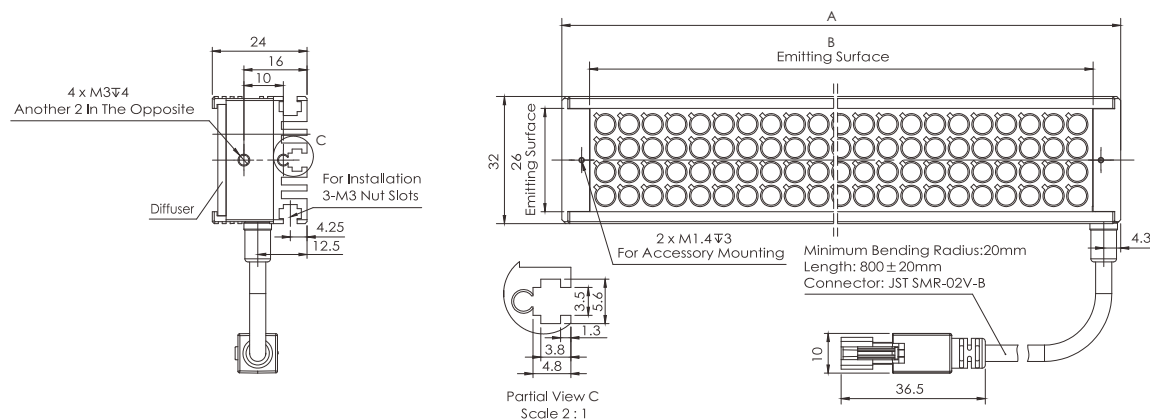


Model Table

No.	Model	* Input @ 365 nm	* Input @ 375 nm	Length A(mm)	Emitting B(mm)	Light source width(mm)	Recommended controller
1	OPT-ULI5232	1.8W@24V	1.9W@24V	52	38	32	OPT-DPA2024E
2	OPT-ULI5232W						
3	OPT-ULI8832	3.3W@24V	3.4W@24V	88	74		
4	OPT-ULI8832W						
5	OPT-ULI12432	4.7W@24V	5.1W@24V	124	110		
6	OPT-ULI12432W						
7	OPT-ULI16032	6.8W@24V	7.3W@24V	160	146		
8	OPT-ULI16032W						
9	OPT-ULI19632	7.9W@24V	8.2W@24V	196	182		
10	OPT-ULI19632W						
11	OPT-ULI23232	10.7W@24V	10.5W@24V	232	218		
12	OPT-ULI23232W						
13	OPT-ULI26832	11.6W@24V	12.2W@24V	268	254		
14	OPT-ULI26832W						
15	OPT-ULI30432	12.7W@24V	13.1W@24V	304	290		
16	OPT-ULI30432W						
17	OPT-ULI34032	14.3W@24V	14.8W@24V	340	326		
18	OPT-ULI34032W						
19	OPT-ULI37632	15.8W@24V	16.4W@24V	376	362		
20	OPT-ULI37632W						

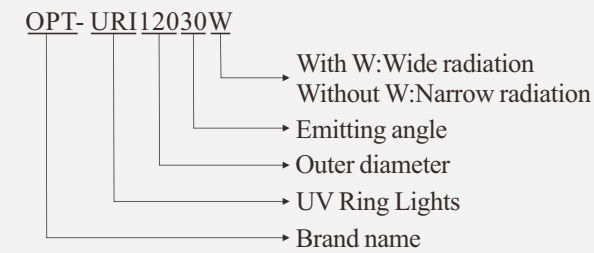
* Note: The data is for reference only.

Dimensions (mm)

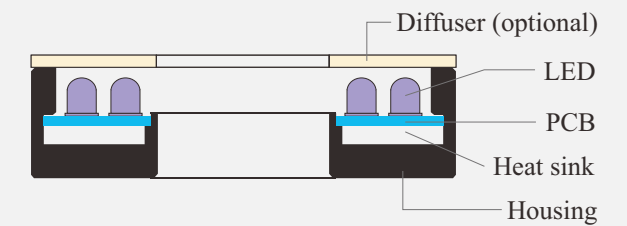


URI UV Ring Lights

Selection Guide



Section Structure Drawing



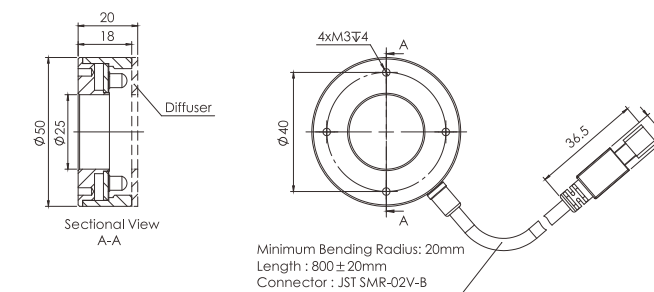
Model Table

No.	Model	* Input@365 nm	* Input@375 nm	Emitting angle	Recommended controller
1	OPT-URI5000	1.3W@24V	1.4W@24V	0°	OPT-DPA2024E
2	OPT-URI5000W				
3	OPT-URI7000	3.3W@24V	3.4W@24V		
4	OPT-URI7000W				
5	OPT-URI9000	5.2W@24V	5.6W@24V		
6	OPT-URI9000W				
7	OPT-URI12000	7.4W@24V	7.8W@24V		
8	OPT-URI12000W				

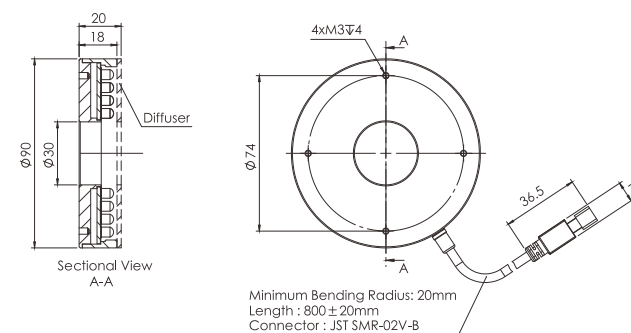
* Note: The data is for reference only.

Dimensions (mm)

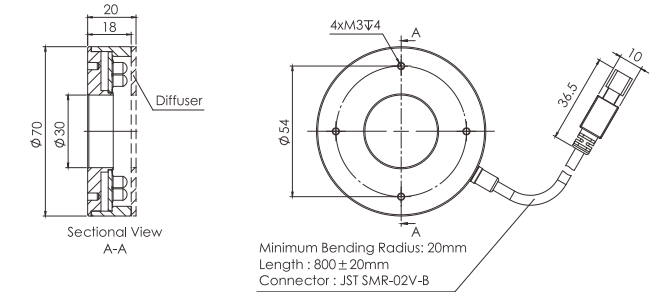
1. OPT-URI5000
2. OPT-URI5000W



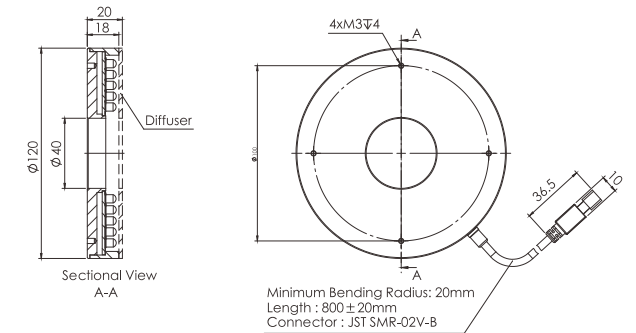
5. OPT-URI9000
6. OPT-URI9000W



3. OPT-URI7000
4. OPT-URI7000W



7. OPT-URI12000
8. OPT-URI12000W



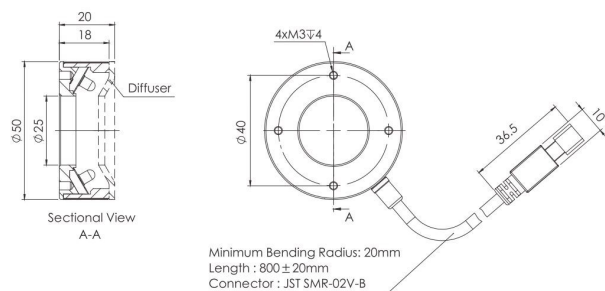
Model Table

No.	Model	* Input @ 365 nm	* Input @ 375 nm	Emitting angle	Recommended controller
1	OPT-URI5030	1.4W@24V	1.4W@24V	30°	OPT-DPA2024E
2	OPT-URI5030W				
3	OPT-URI7030	3.4W@24V	3.6W@24V		
4	OPT-URI7030W				
5	OPT-URI9030	5.5W@24V	5.8W@24V		
6	OPT-URI9030W				
7	OPT-URI12030	7.6W@24V	8W@24V		
8	OPT-URI12030W				

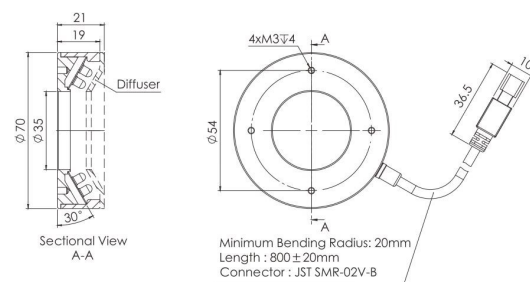
* Note: The data is for reference only.

Dimensions (mm)

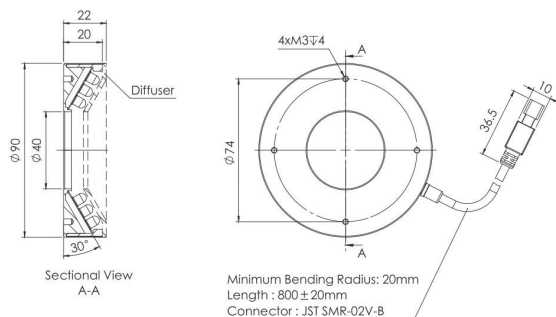
- OPT-URI5030
- OPT-URI5030W



- OPT-URI7030
- OPT-URI7030W



- OPT-URI9030
- OPT-URI9030W



- OPT-URI12030
- OPT-URI12030W

