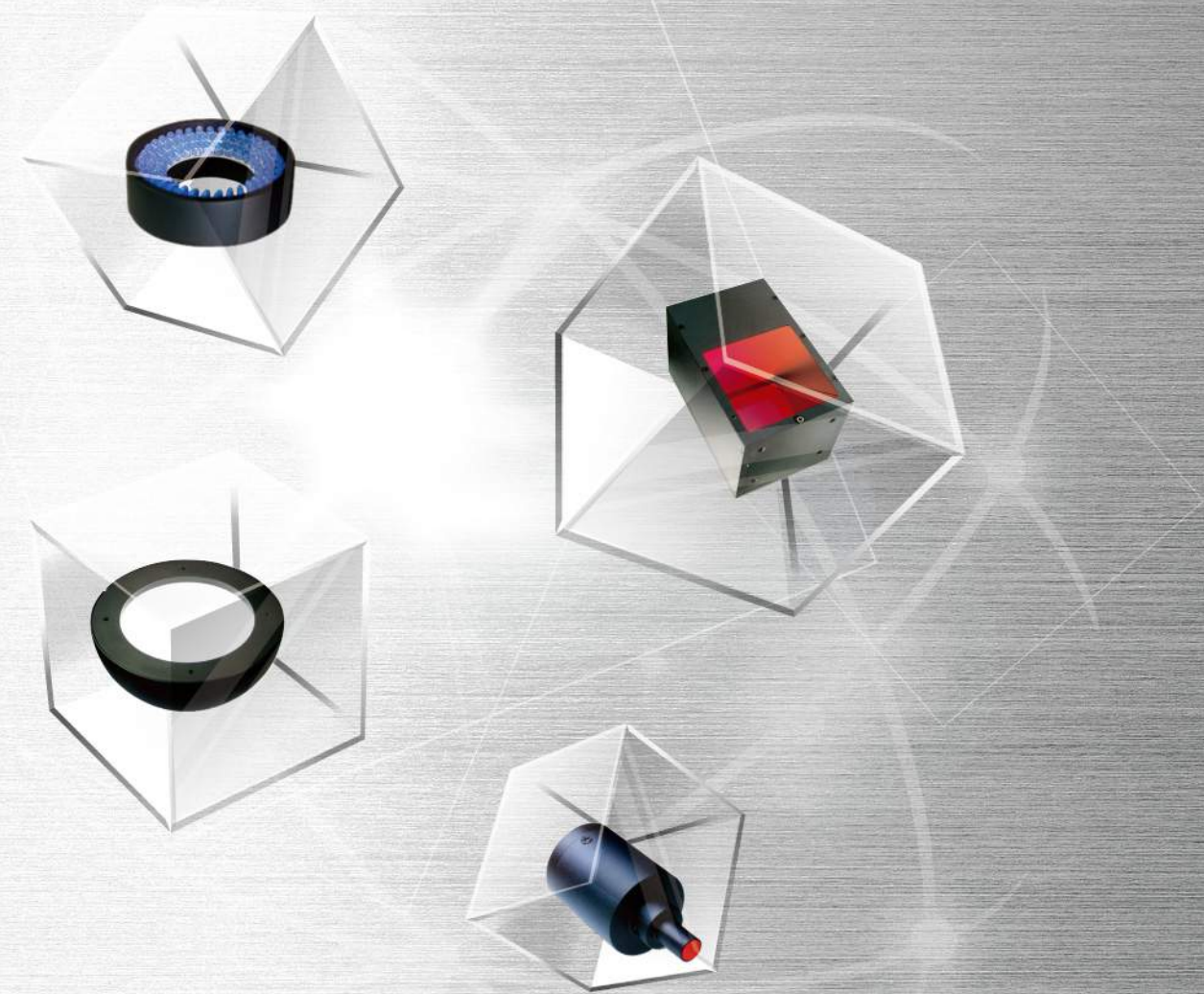
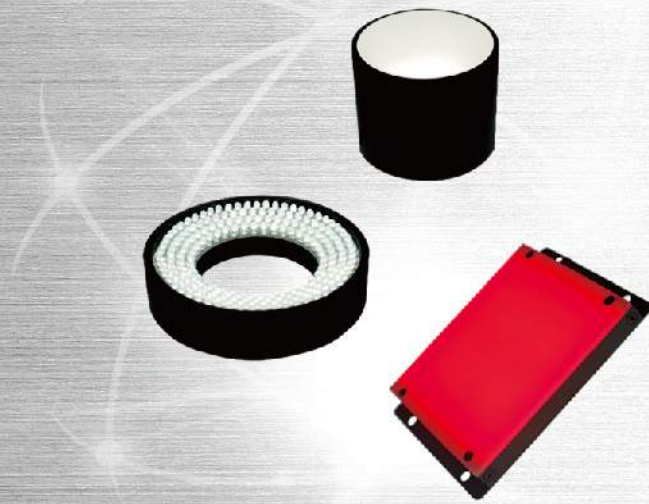




2020

CONSTANTLY INNOVATE WITH
IMPROVEMENT FOR NEW GENERATION OF
LED LIGHTING SYSTEMS

3AMechatronic
丞基技研股份有限公司

Tel: 886-2-2999-7331 Fax: 886-2-2278-7113
新北市三重區重新路五段609巷12號7樓之7
7F-7, No.12, Lane 609, Chongxin Rd., Sec.5, Sanchong District, New Taipei City 241, TAIWAN
<http://www.3am.com.tw>
大中華區: sales-s@3am.com.tw
海外市場: fmarket@3am.com.tw



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ID: 0000046247



3AM Management Policy



- Use as lighting core technology, to promote quality control and competitions, with support customers requests to meet the E world.
- Pursuit improvement and upgrade constantly to meet customer's satisfactory.
- Maintain well cooperate partnership with worldwide customers.
- Accept all requests and customized products for worldwide customers satisfactory.
- Constantly promote efficiency services with high quality and accurate solution for worldwide customers.
- Provide competitive prices for worldwide customers to create considerable benefits.

Company Background

3A Mechatronic was established in 2002 and has "3AM" as its trademark. We have a professional R&D team and efficient production lines for LED lights, LED dimmers and related products. Technological innovation and high-quality products are the aims of 3AM. It is our objective to provide our customers with the best products, service and technical support. Our customers include many automation systems and machine vision systems manufactures.

We devote ourselves to continuous quality improvements. Our products are CE approved and RoHS compliant; we also hold patents for LED light innovations. We don't only produce and sell LED lights and dimmers to customers, but also help our customers to apply these parts in the development of machine vision systems. We have a great variety of technology and many years experience with the application of LED lights, therefore we can deeply understand our customers' demand and are able to assist them to solve their problems. Aside from standardized commodities, we also provide ODM services.

You are more than welcome to contact us. We are pleased to provide you with the correlative technical support and our best service as fast as we can. 3AM is sincerely looking forward to establishing a long-term partnership with you.



Efficient Service Accuracy

3AM

We provide accurate free sample service for customers, to ellipsis chosen period and to relieve vexatious for customers. Every object has different characteristic, and to have accurate identify ability must collocate with proper LED lights for each object.

Therefore, we are pleased to perform this technology support and to provide efficient and accurate free sample service and high quality for worldwide customers, to relieve vexatious with ellipsis chosen period and find the suitable LED lights for the object to worldwide customers.

Free lending is necessary. We also provide free lending services for worldwide customers. All our models are available for free to lend before purchasing with given propose and consulting for each models.

Quality is one of our main important targets. We pursuit the highest quality advancement constantly. For our worldwide customers, we provide guarantee on all our products for luminosity in one year warranty with acceptance of the brand repair services.



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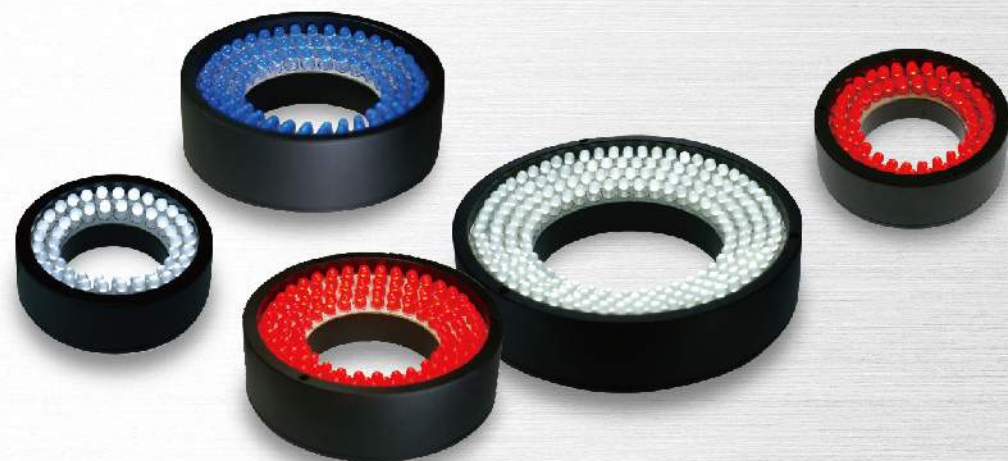
- 58 LED Power Dimmer
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Direct Ring Series (30° & 0°)



Features

- 360° shadow-free illumination in high-luminance LEDs deployed at high density
- LED lighting for a wide range of applications

Major applications

- Positioning for substrates and printed boards, inspection for chip components
- Liquid crystal adjustment, plastic container inspection
- IC impress inspection, such as label inspection

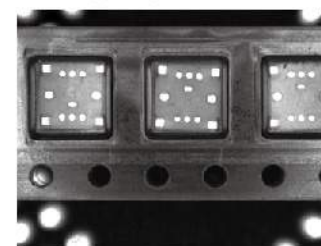
Model explanation



Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DR3210R-24	●	24V/1.0W		
GL-DR3210W/B/G-24	○ ● ●	24V/1.5W	24	1
GL-DR3210IR-24	●	24V/1.0W		
GL-DR4218R-24	●	24V/1.5W		
GL-DR4218W/B/G-24	○ ● ●	24V/2.4W	36	2
GL-DR4218IR-24	●	24V/1.5W		
GL-DR5028R-24	●	24V/2.0W		
GL-DR5028W/B/G-24	○ ● ●	24V/3.4W	45	3
GL-DR5028IR-24	●	24V/2.0W		
GL-DR6736R-24	●	24V/3.9W		
GL-DR6736W/B/G-24	○ ● ●	24V/5.8W	83	4
GL-DR6736IR-24	●	24V/3.9W		
GL-DR9050R-24	●	24V/7.7W		
GL-DR9050W/B/G-24	○ ● ●	24V/11.6W	138	5
GL-DR9050IR-24	●	24V/7.7W		
GL-DR12060R-24	●	24V/17.8W		
GL-DR12060W/B/G-24	○ ● ●	24V/26.9W	418	6
GL-DR12060IR-24	●	24V/17.8W		
GL-DR16595W-24	○	24V/24.48W		7
GL-DR7035R-24	●	24V/4.4W		
GL-DR7035W/B/G-24	○ ● ●	24V/6.8W	97	8
GL-DR7035IR-24	●	24V/4.4W		
GL-DR9550R-24	●	24V/5.38W		
GL-DR9550W/B/G-24	○ ● ●	24V/8.06W		9
GL-DR9550IR-24	●	24V/5.38W		

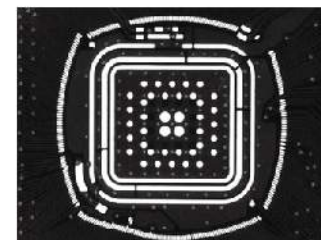
Imaging examples



GL-DR6736R
Chip Material Package



GL-DR6736W
Diode Characters



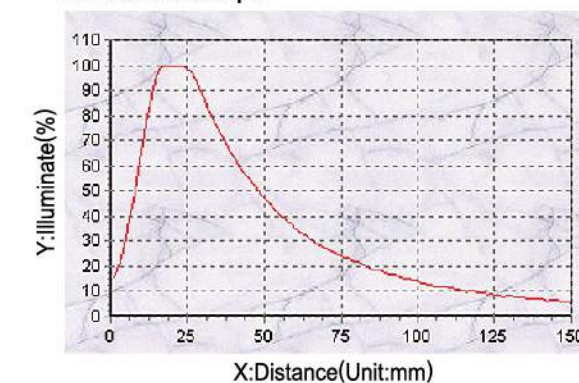
GL-DR9050W
Chip Close Shot



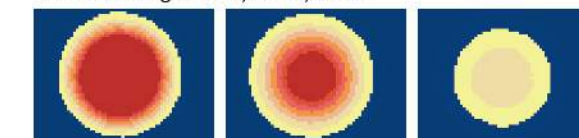
GL-DR9050W
Chip Long Distance Shot

Luminous intensity distribution characteristics

GL-DR6736R Graph

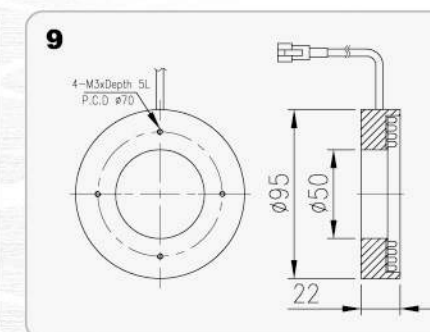
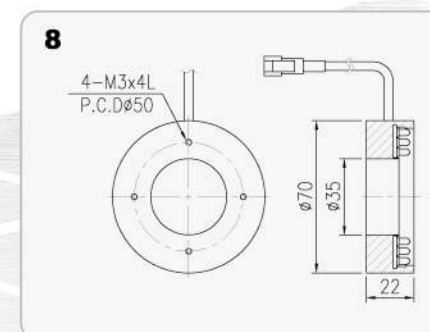
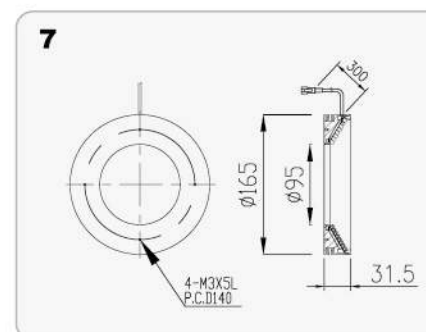
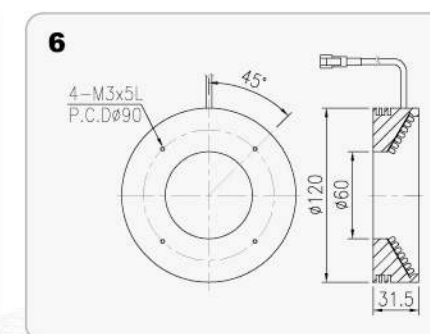
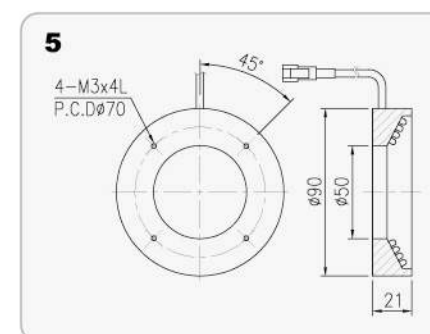
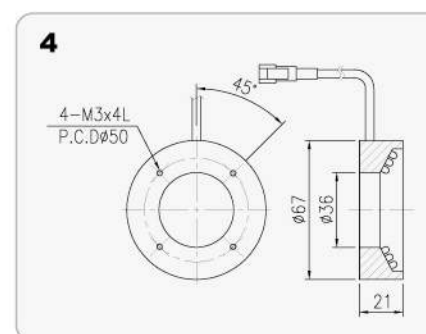
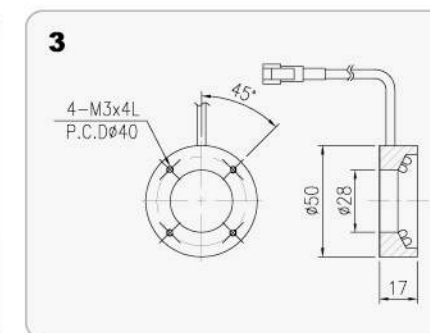
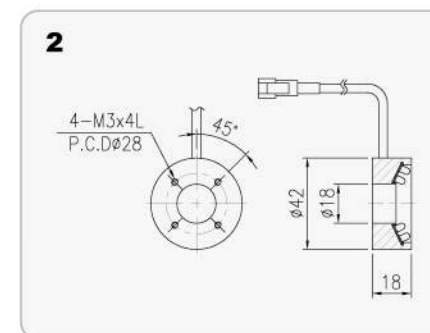
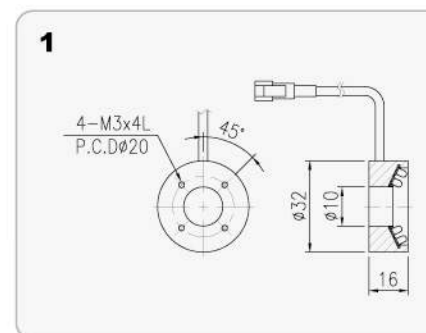


Illuminate Height:5CM,10CM,15CM



Brightness level
0 100

Dimensional Diagrams(mm)



Direct Ring Series with High Power LED (15°)



Features

1. High Power LED. The brightness is at least ten times brighter than the general direct ring series

Major applications

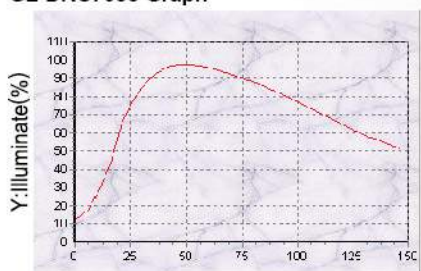
1. Positioning for substrates and printed boards, inspection for chip components
2. Liquid crystal adjustment, plastic container inspection
3. IC impress inspection

Model explanation

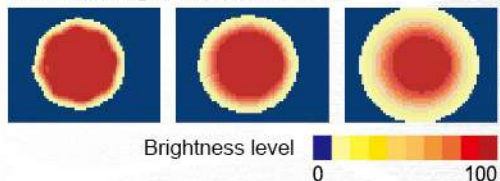
GL-DRC □□△△○
□ — External diameter of the ring
△ — Internal diameter of the ring
○ — Color

Luminous intensity distribution characteristics

GL-DRC7035 Graph



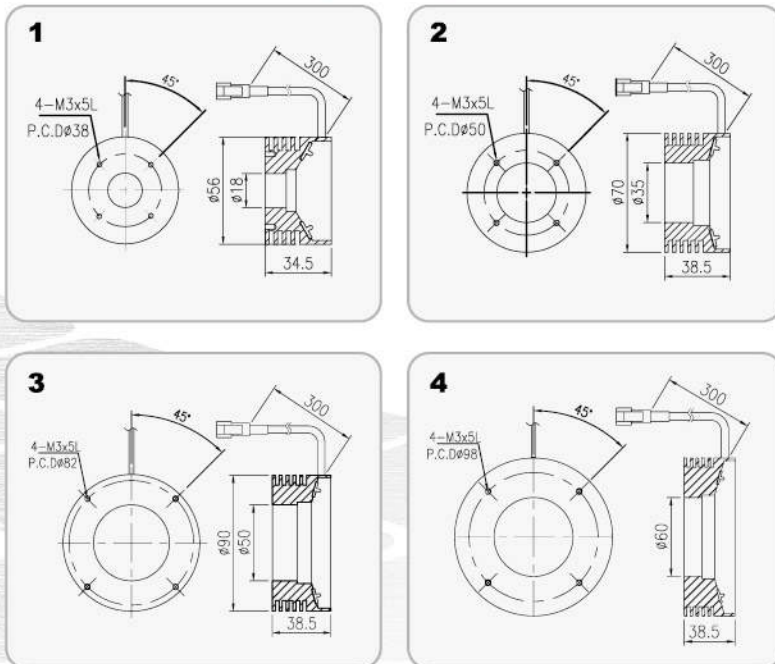
Illuminate Height: 1CM, 2CM, 5CM



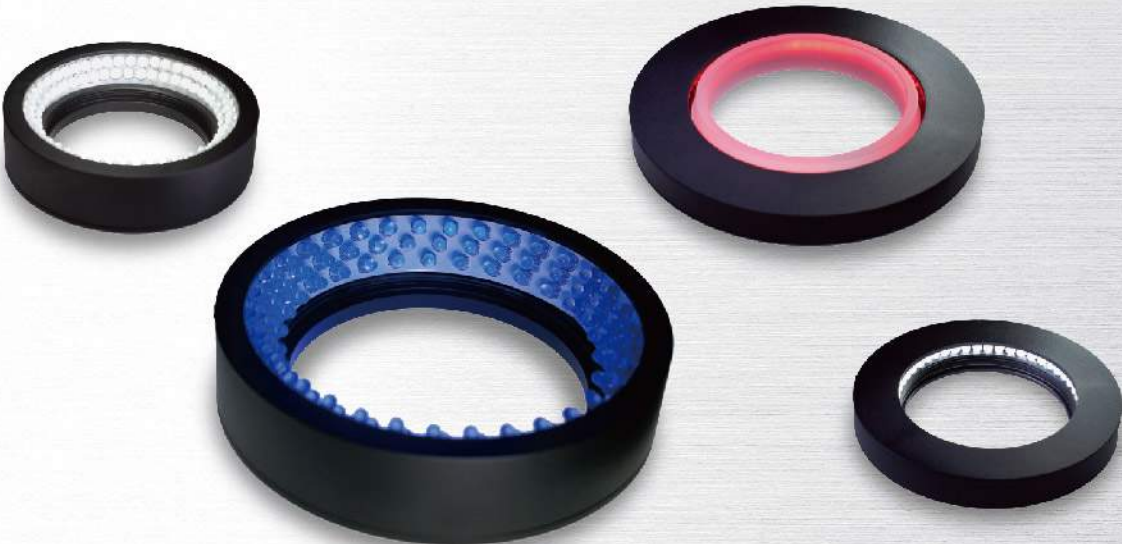
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DRC5618R	●	12V/2.73W	130	1
GL-DRC5618W/B/G	○ ● ●	12V/5.33W		
GL-DRC7035R	●	12V/5.74W	212	2
GL-DRC7035W/B/G	○ ● ●	12V/7.49W		
GL-DRC9050R	●	12V/5.74W	324	3
GL-DRC9050W/B/G	○ ● ●	12V/7.33W		
GL-DRC12060R	●	12V/8.61W	621	4
GL-DRC12060W/B/G	○ ● ●	12V/8.78W		

Dimensional Diagrams(mm)



Low Angle Direct Ring Series



Features

1. 360° illumination from a low angle without reflection. Specially for slightly uneven surfaces and scratches
2. For FDR series, high illumination LEDs are horizontally mounted in a ring shape

Major applications

1. BGA solder ball position, shape and area in inspection.
2. Inspection of wafers or glass substrates for scratches and stain.
3. Reading laser engraving
4. Edge detection and defect inspection

Model explanation

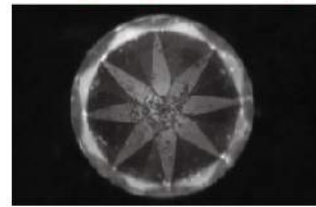
GL-LDR □□△△○
□ — Internal diameter of the ring
△ — External diameter of the ring
○ — Color

GL-FDR □□△△○
□ — Internal diameter of the ring
△ — External diameter of the ring
○ — Color

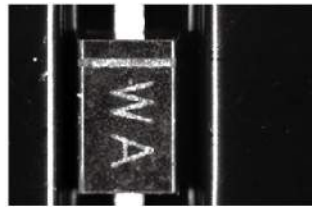
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-LDR4822R-24	●	24V/1.9W		
GL-LDR4822W/B/G-24	○ ● ●	24V/2.8W	47	1
GL-LDR4822IR-24	●	24V/1.9W		
GL-LDR5028IR-24	●	24V/1.92W	52	2
GL-LDR7448R-24	●	24V/3.9W		
GL-LDR7448W/B/G-24	○ ● ●	24V/5.8W	81	3
GL-LDR7448IR-24	●	24V/3.9W		
GL-LDR10068R-24	●	24V/7.2W		
GL-LDR10068W/B/G-24	○ ● ●	24V/10.6W	140	4
GL-LDR10068IR-24	●	24V/7.2W		
GL-LDR13296R-24	●	24V/10.6W		
GL-LDR13296W/B/G-24	○ ● ●	24V/15.9W	177	5
GL-LDR13296IR-24	●	24V/10.6W		
GL-LDR170134R-24	●	24V/13.5W		
GL-LDR170134W/B/G-24	○ ● ●	24V/20.2W	231	6
GL-LDR170134IR-24	●	24V/13.5W		
GL-LDQ7040R-24	●	24V/9.21W		
GL-LDQ7040W/B/G-24	○ ● ●	24V/11.2W		
GL-FDR7546R-24	●	24V/2.0W		
GL-FDR7546W/B/G-24	○ ● ●	24V/2.9W	55	8
GL-FDR7546IR-24	●	24V/2.0W		
GL-FDR8454R-24	●	24V/2.0W		
GL-FDR8454W/B/G-24	○ ● ●	24V/2.9W	65	9
GL-FDR8454IR-24	●	24V/2.0W		
GL-FDR12292R-24	●	24V/2.9W		
GL-FDR12292W/B/G-24	○ ● ●	24V/4.4W	95	10
GL-FDR12292IR-24	●	24V/2.9W		
GL-FDR156108R-24	●	24V/3.9W		
GL-FDR156108W/B/G-24	○ ● ●	24V/5.8W	195	11
GL-FDR156108IR-24	●	24V/3.9W		

Imaging examples



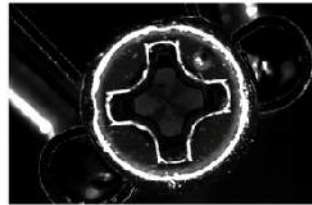
GL-LDR7448W
Diamond Cutting



GL-LDR7448W
Diode Characters



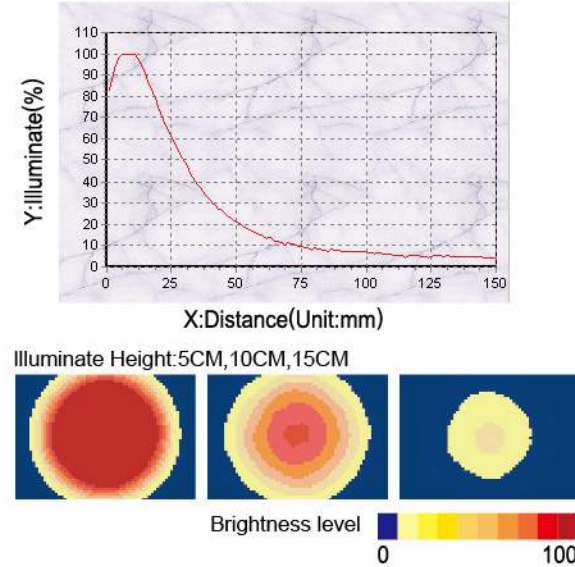
GL-FDR7546W
PCB Edge Abrade



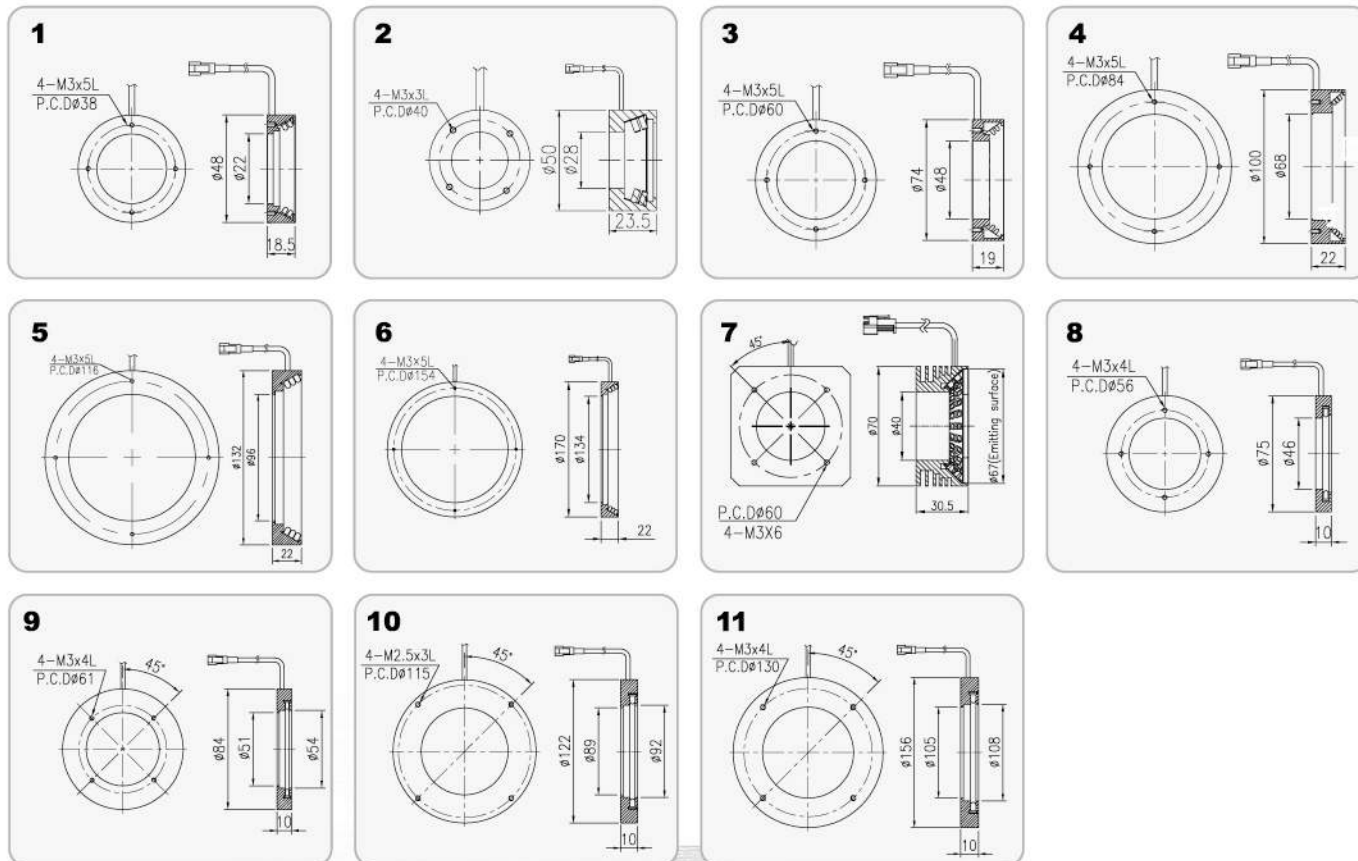
GL-FDR156108R
Screw Edge

Luminous intensity distribution characteristics

GL-LDR7448R Graph



Dimensional Diagrams(mm)



Direct Lighting



Bar, Linear & Oblique Series



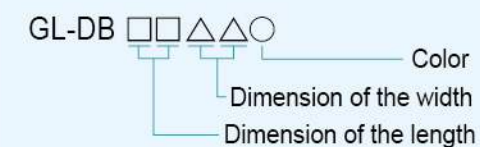
Features

1. Allow oblique lighting from all angle to suit the objects, with high-intensity luminance LEDs arranged in a bar configuration.
2. Supply four sides combination in a bar device to broad range of lighting by illuminating the object with angle- adjustable bars.

Major applications

1. Inspection for LED defect
2. Identify for multiple shapes
3. Fabrication substrates crack inspection, metal board surface inspection
4. Identify size measurement and shape for electronic parts

Model explanation



Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DB3010R-24	●	24V/0.48W	25	1
GL-DB3010W/B/G-24	○ ● ●	24V/0.72W		
GL-DB3010IR-24	●	24V/0.48W	41	2
GL-DB6020R-24	●	24V/1.44W		
GL-DB6020W/B/G-24	○ ● ●	24V/2.16W	72	3
GL-DB6020IR-24	●	24V/1.44W		
GL-DB11020R-24	●	24V/2.88W	101	4
GL-DB11020W/B/G-24	○ ● ●	24V/4.32W		
GL-DB11020IR-24	●	24V/2.88W	131	5
GL-DB16020R-24	●	24V/4.32W		
GL-DB16020W/B/G-24	○ ● ●	24V/6.5W	160	6
GL-DB16020IR-24	●	24V/4.32W		
GL-DB21020R-24	●	24V/5.76W	190	7
GL-DB21020W/B/G-24	○ ● ●	24V/8.64W		
GL-DB21020IR-24	●	24V/5.76W	60	8
GL-DB26020R-24	●	24V/7.2W		
GL-DB26020W/B/G-24	○ ● ●	24V/10.8W		
GL-DB26020IR-24	●	24V/7.2W		
GL-DB31020R-24	●	24V/8.64W		
GL-DB31020W/B/G-24	○ ● ●	24V/12.96W		
GL-DB31020IR-24	●	24V/8.64W		
GL-DB6034R-24	●	24V/2.88W		
GL-DB6034W/B/G-24	○ ● ●	24V/4.32W		
GL-DB6034IR-24	●	24V/2.88W		

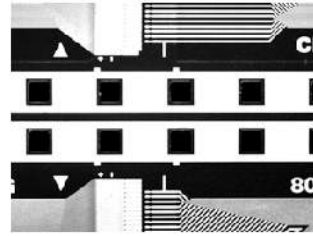
Imaging examples



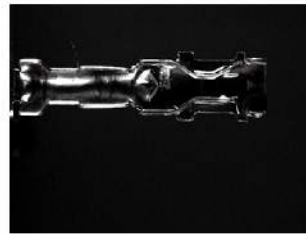
GL-DB6020B
DSP IC



GL-DB6020W
CF Card Character



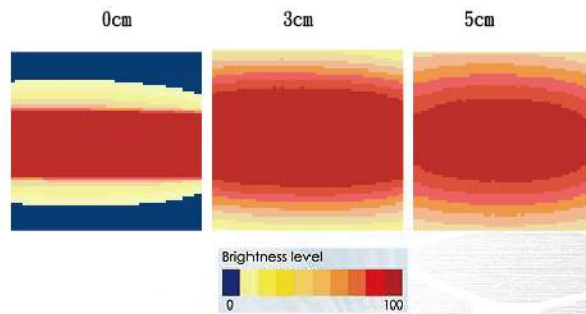
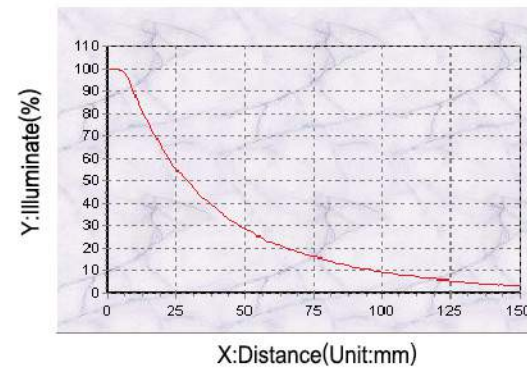
GL-DB6020W
Soft Bus



GL-DB6020W*2
Terminal

Luminous intensity distribution characteristics

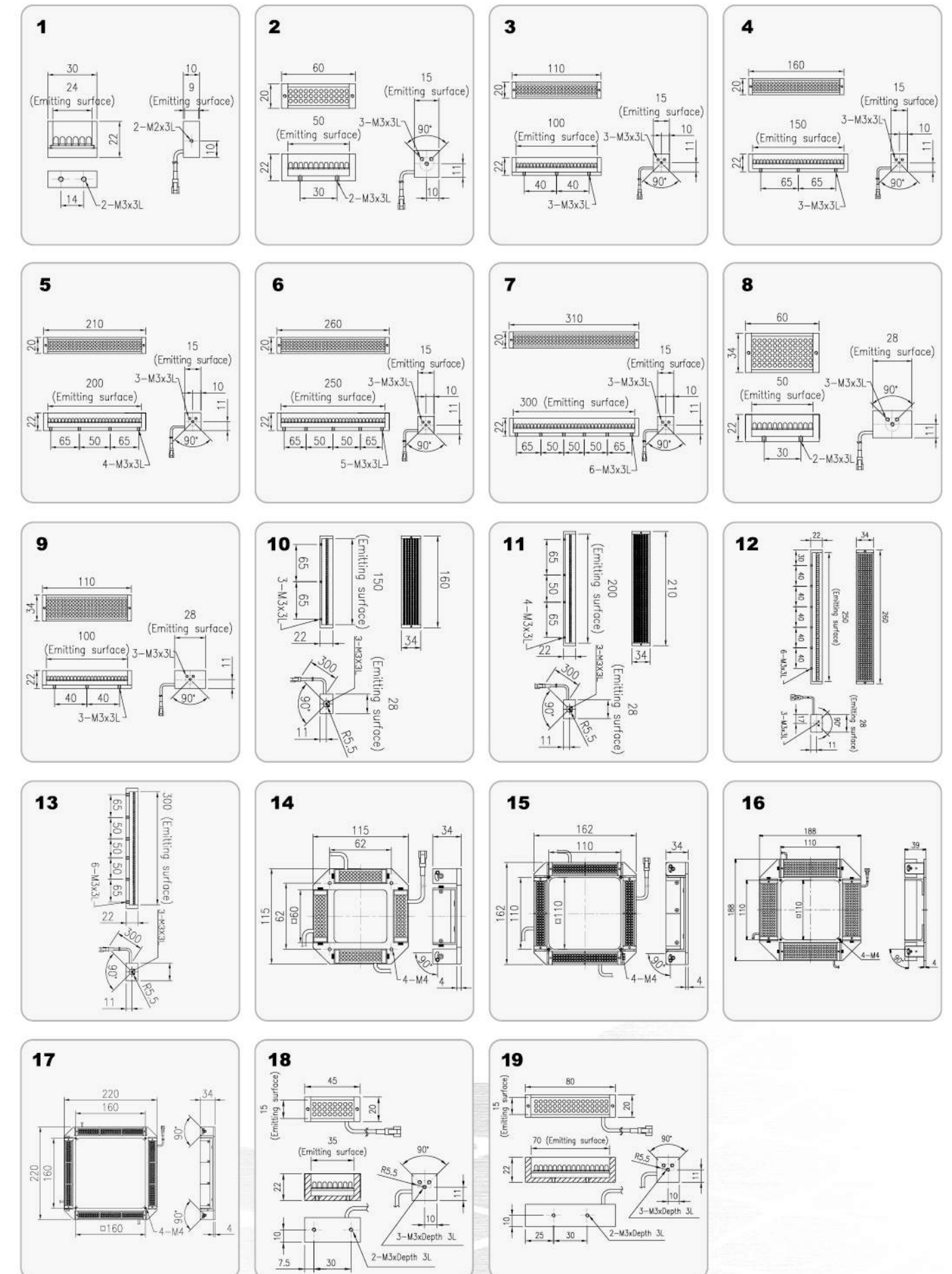
GL-DB6020R Graph



Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DB11034R-24	●	24V/5.76W	95	9
GL-DB11034W/B/G-24	○ ● ●	24V/8.64W		
GL-DB11034IR-24	●	24V/5.76W		
GL-DB16034R-24	●	24V/8.64W		
GL-DB16034W/B/G-24	○ ● ●	24V/12.96W	10	10
GL-DB16034IR-24	●	24V/8.64W		
GL-DB21034R-24	●	24V/11.52W		
GL-DB21034W/B/G-24	○ ● ●	24V/17.28W		
GL-DB21034IR-24	●	24V/11.52W	11	11
GL-DB26034R-24	●	24V/14.4W		
GL-DB26034W/B/G-24	○ ● ●	24V/21.6W		
GL-DB26034IR-24	●	24V/14.4W		
GL-DB31034R-24	●	24V/17.28W	13	13
GL-DB31034W/B/G-24	○ ● ●	24V/25.96W		
GL-DB31034IR-24	●	24V/17.28W		
GL-DB6020R4-24	●	24V/5.76W	280	14
GL-DB6020IR4-24	●	24V/5.76W		
GL-DB11020R4-24	●	24V/11.52W		
GL-DB11020W4/B4/G4-24	○ ● ●	24V/(4.4W)*4		
GL-DB11020IR4-24	●	24V/11.52W	511	15
GL-DB11034R4-24	●	24V/(5.8W)*4		
GL-DB11034W4/B4/G4-24	○ ● ●	24V/(8.7W)*4		
GL-DB16020R4-24	●	24V/17.28W		
GL-DB16020W4/B4/G4-24	○ ● ●	24V/(6.5W)*4	667	17
GL-DB16020IR4-24	●	24V/17.28W		
GL-DB4520W/B/G-24	○ ● ●	24V/1.44W		
GL-DB8020W/B/G-24	○ ● ●	24V/2.88W		

Dimensional Diagrams(mm)



Small Dome Series



Features

- 1. Apply for uneven surface illumination
- 2. Provide shadowless illumine in applications with fast check

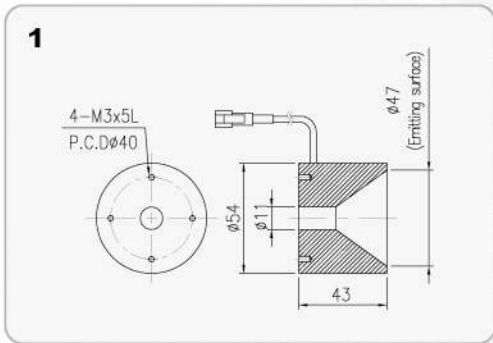
Major applications

- 1. Inspections of the print on the bottom of aluminum cans
- 2. Curved metal surfaces and similar surfaces

Model explanation



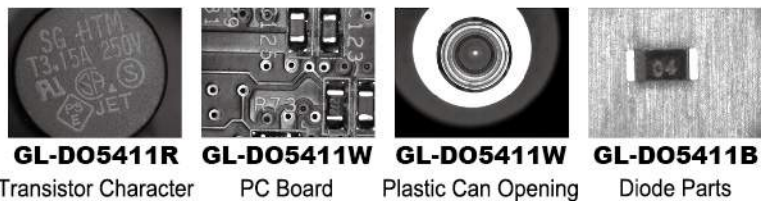
Dimensional Diagrams(mm)



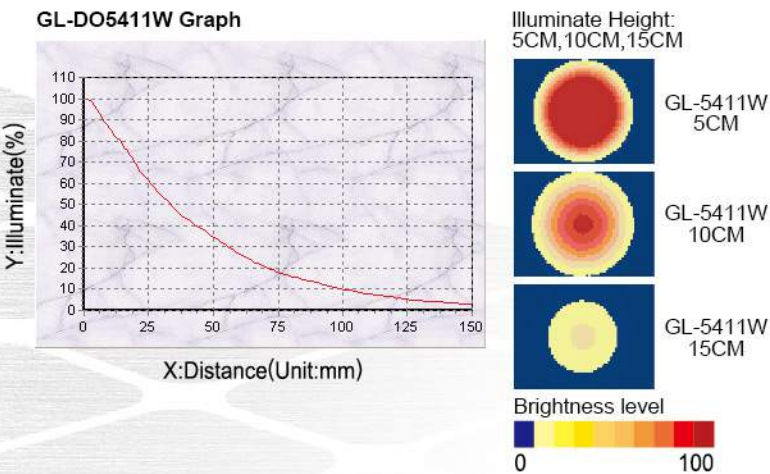
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DO5411R-24	●	24V/2.88W		
GL-DO5411W/B/G-24	○ ● ●	24V/4.32W	130	1
GL-DO5411IR-24	●	24V/2.88W		

Imaging examples



Luminous intensity distribution characteristics



Shadowless Series



Features

- 1. Ability to evenly diffused lighting on shiny objects
- 2. Best for preventing the halo effect

Major applications

- 1. IC wafer inspection & substrate part inspection
- 2. Inspection from the side and to emerge from internal surfaces of object for stain
- 3. Visual inspection of wafers
- 4. Solder inspection& connector pitch inspection

Model explanation



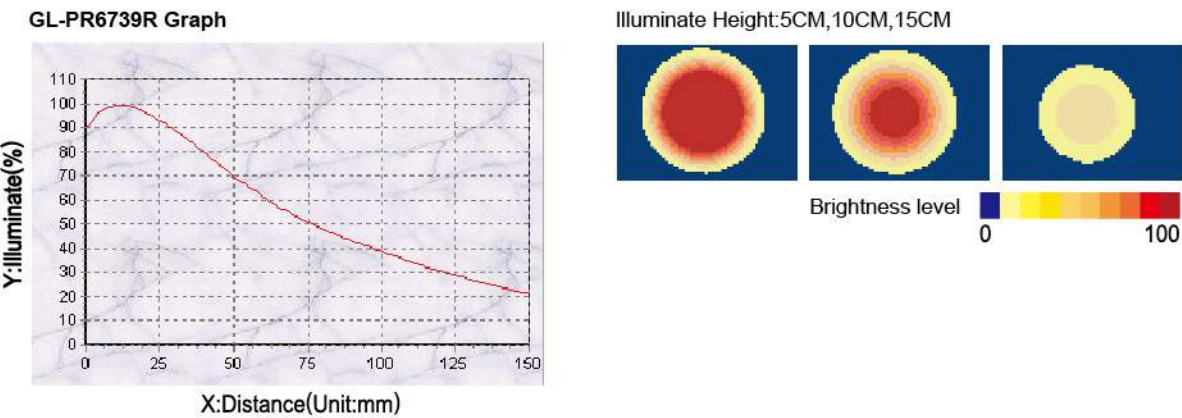
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-PR6739R-24	●	24V/2.4W		
GL-PR6739W/B/G-24	○ ● ●	24V/3.84W	130	1
GL-PR6739IR-24	●	24V/2.4W		
GL-PR9058R-24	●	24V/3.36W		
GL-PR9058W/B/G-24	○ ● ●	24V/4.8W	180	2
GL-PR9058IR-24	●	24V/3.36W		
GL-PR136108R-24	●	24V/7.2W		
GL-PR136108W/B/G-24	○ ● ●	24V/10.6W	227	3
GL-PR136108IR-24	●	24V/7.2W		
GL-PR21080W-24	○	24V/34.56W	967	4

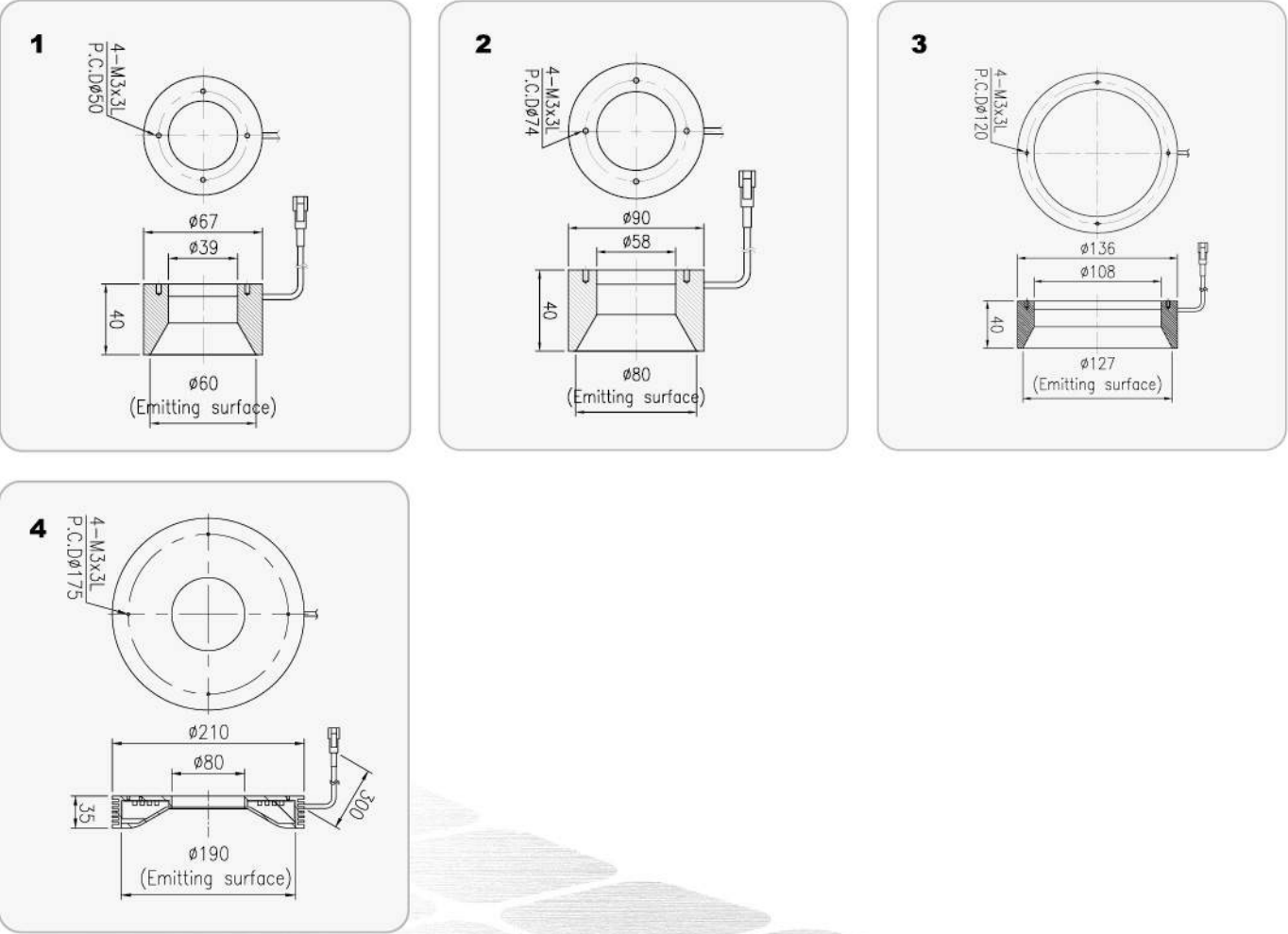
Imaging examples



Luminous intensity distribution characteristics



Dimensional Diagrams(mm)



Indirect Lighting

Shadowless Series



Features

- 1. Applied to edge or defect detection of reflective surface.
- 2. Ability to evenly diffused reflection of inspection objectives, to get test results correctly.

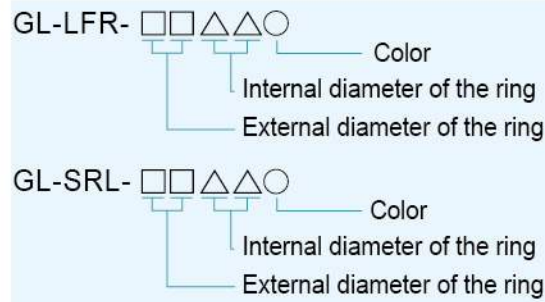
Major applications

- 1. IC wafer inspection & substrate part inspection
- 2. Inspection from the side and to emerge from internal surfaces of object for stain
- 3. Visual inspection of wafers
- 4. Solder inspection& connector pitch inspection

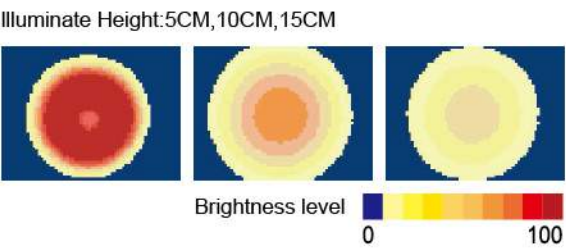
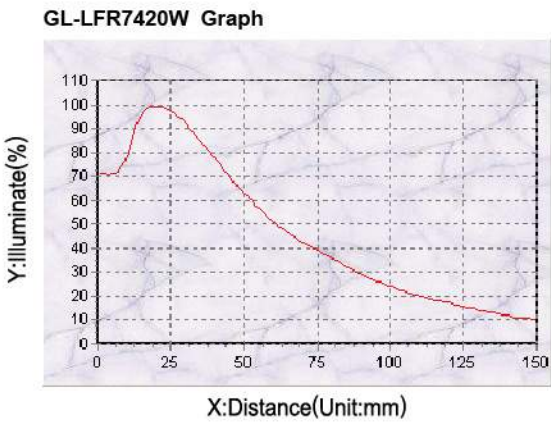
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-LFR7420R-24	●	24V/1.92W	92	1
GL-LFR7420W/B/G-24	○ ● ●	24V/2.88W		
GL-LFR7420IR-24	●	24V/1.92W		
GL-LFR10233R-24	●	24V/2.4W	160	2
GL-LFR10233W/B/G-24	○ ● ●	24V/3.9W		
GL-LFR10233IR-24	●	24V/2.4W		
GL-LFR12544R-24	●	24V/3.4W	234	3
GL-LFR12544W/B/G-24	○ ● ●	24V/5.3W		
GL-LFR12544IR-24	●	24V/3.4W		
GL-SRL7420R-24	●	24V/3.9W	101	4
GL-SRL7420W/B/G-24	○ ● ●	24V/5.8W		
GL-SRL7420IR-24	●	24V/3.9W		
GL-SRL10233R-24	●	24V/5.3W	179	5
GL-SRL10233W/B/G-24	○ ● ●	24V/8.2W		
GL-SRL10233IR-24	●	24V/5.3W		
GL-SRL12544R-24	●	24V/6.8W	259	6
GL-SRL12544W/B/G-24	○ ● ●	24V/10.1W		
GL-SRL12544IR-24	●	24V/6.8W		
GL-SRL20075R-24	●	24V/7.4W		7
GL-SRL20075W/B/G-24	○ ● ●	24V/12.96W		
GL-SRL20075IR-24	●	24V/7.4W		

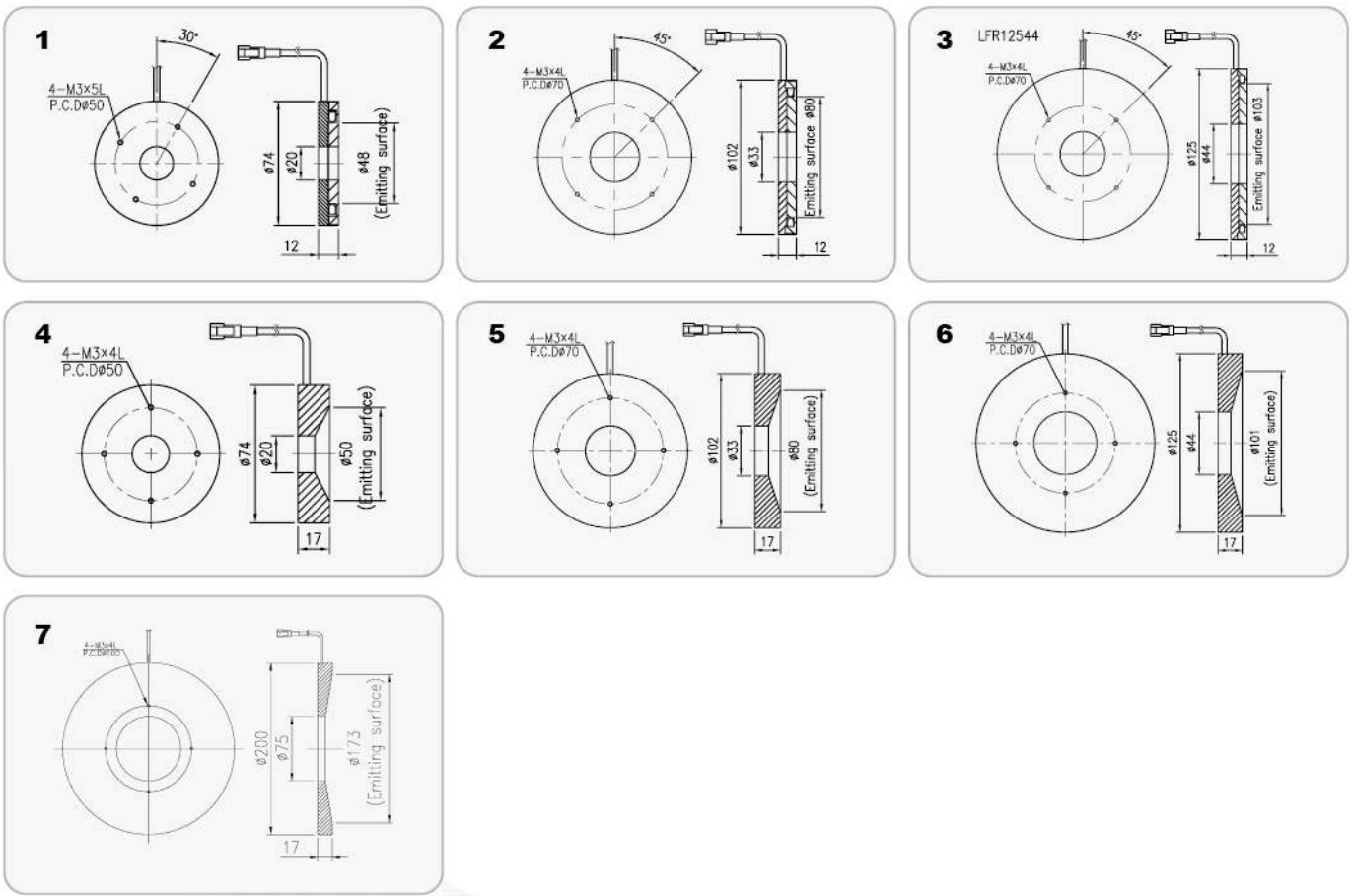
Model explanation



Luminous intensity distribution characteristics

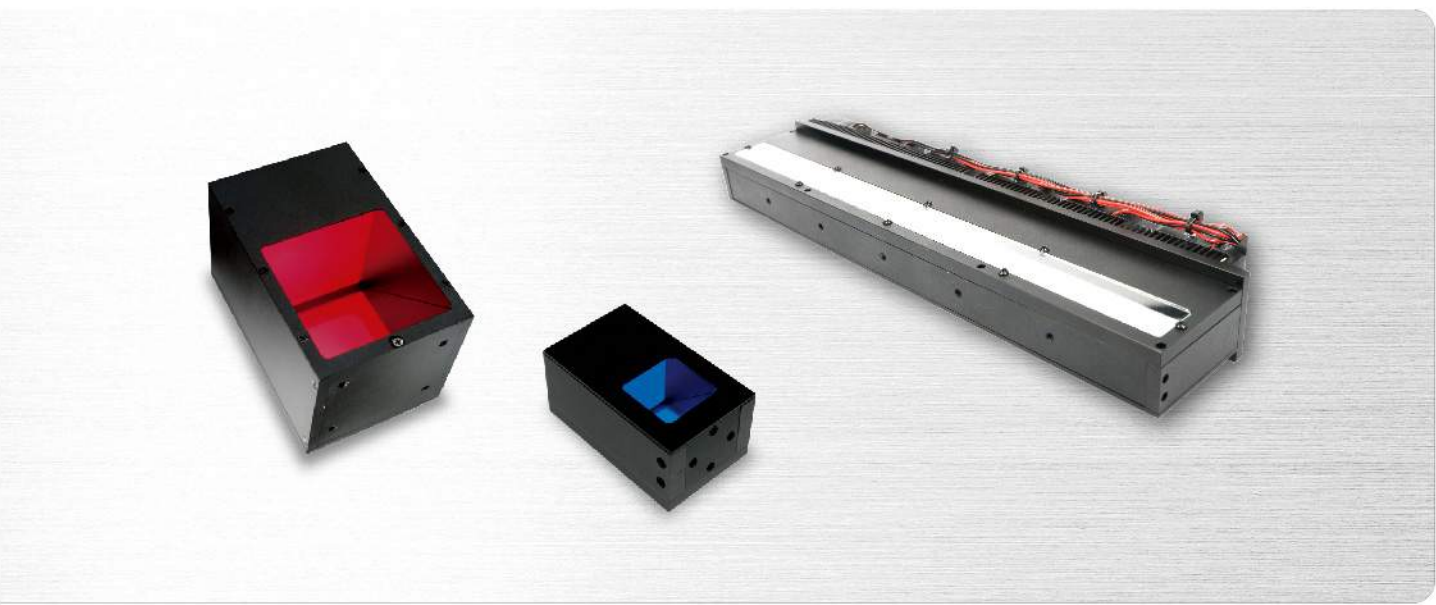


Dimensional Diagrams(mm)



Indirect Lighting

Coaxial Series



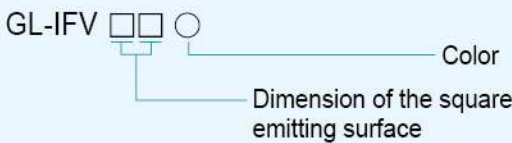
Features

1. Coaxial lights are mainly designed for objects with highly reflective surfaces
2. Allow to produce simulated even coaxial lighting for TELECENTRIC MACRO lens and other type of lenses.

Major applications

1. Inspection of highly reflective surfaces, such as wafers, metal surfaces, film, liquid crystals and glass.
2. Imprint check
3. Inspection of pattern of printed boards.

Model explanation



Available Models

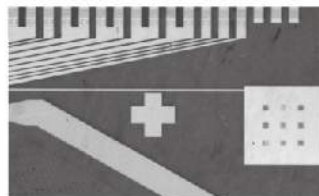
Model	Color	Power Consumption	Weight (g)	Dimension
GL-IFV20R-24	●	24V/0.96W		
GL-IFV20W/B/G-24	○ ● ●	24V/1.44W	60	2
GL-IFV20IR-24	●	24V/0.96W		
GL-IFV34R-24	●	24V/2.4W		
GL-IFV34W/B/G-24	○ ● ●	24V/3.9W	132	3
GL-IFV34IR-24	●	24V/2.4W		
GL-IFV40R-24	●	24V/2.88W		
GL-IFV40W/B/G-24	○ ● ●	24V/4.32W	184	4
GL-IFV40IR-24	●	24V/2.88W		
GL-IFV50R-24	●	24V/5.76W		
GL-IFV50W/B/G-24	○ ● ●	24V/8.64W	260	5
GL-IFV50IR-24	●	24V/5.76W		
GL-IFV70R-24	●	24V/11.52W		
GL-IFV70W/B/G-24	○ ● ●	24V/17.28W	580	6
GL-IFV70IR-24	●	24V/11.52W		
GL-IFV100R-24	●	24V/23.04W		
GL-IFV100W/B/G-24	○ ● ●	24V/34.56W	885	7
GL-IFV100IR-24	●	24V/23.04W		
GL-IFV130R-24	●	24V/40.8W		
GL-IFV130W/B/G-24	○ ● ●	24V/61.44W	1420	8
GL-IFV130IR-24	●	24V/40.8W		
GL-IFV200R-24	●	24V/57.6W		
GL-IFV200W/B/G-24	○ ● ●	24V/86.4W	6400	9
GL-IFV200IR-24	●	24V/57.6W		

Model	Color	Power Consumption	Weight (g)	Dimension
GL-IFV2-34R-24	●	24V/2.3W	146	10
GL-IFV2-34W/B/G-24	○ ● ●	24V/4.89W		
GL-IFV3-34R-24	●	24V/8.16W	182	11
GL-IFV3-34W/B/G-24	○ ● ●	24V/20.54W		
GL-IFV2-130IR940-24	●	24V/27.6W	12	12
GL-IFV3-30020W/B-24	○ ●	24V/72.8W	848.4	13

Imaging examples



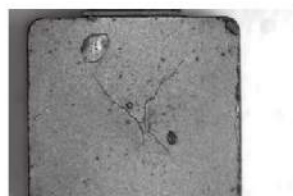
GL-IFV40W
Screw Surface



GL-IFV40W
LCD Panel Circuit



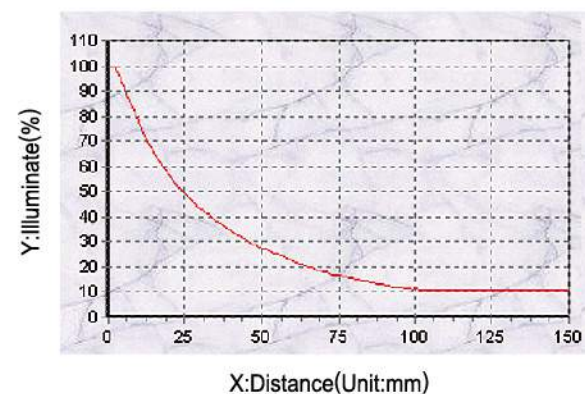
GL-IFV40B
2D Bar Code



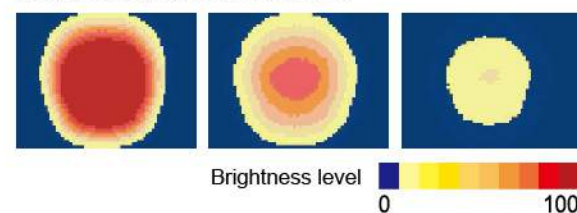
GL-IFV50R
Iron Powder Capacitance

Luminous intensity distribution characteristics

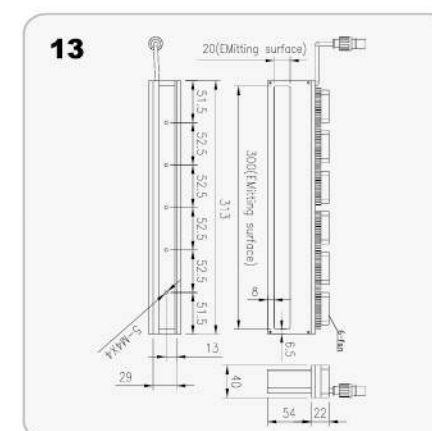
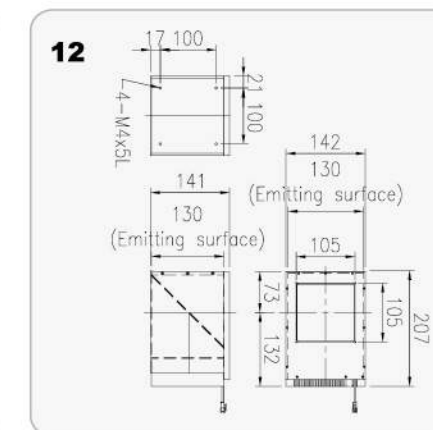
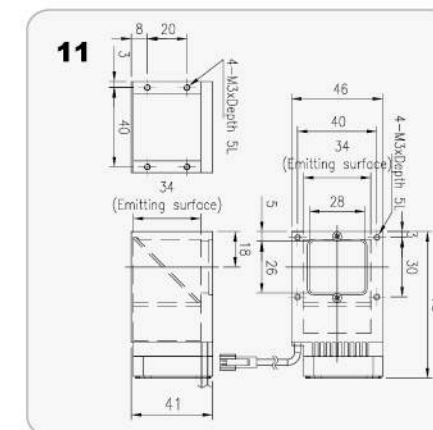
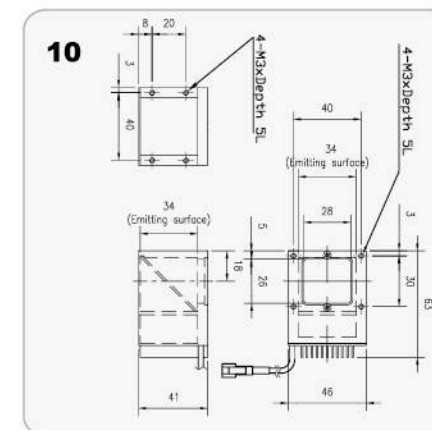
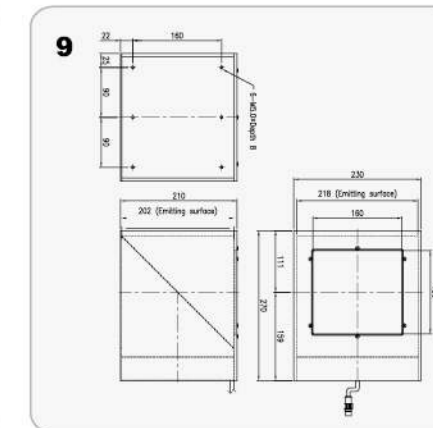
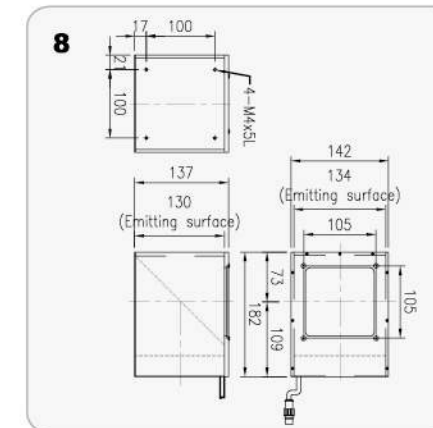
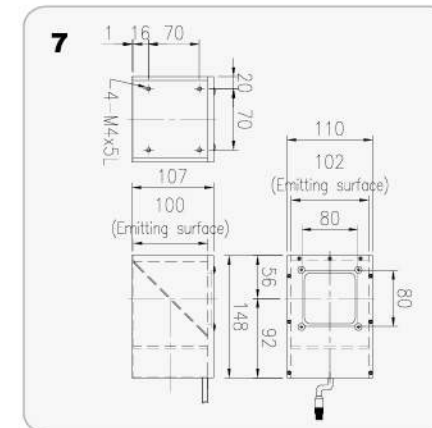
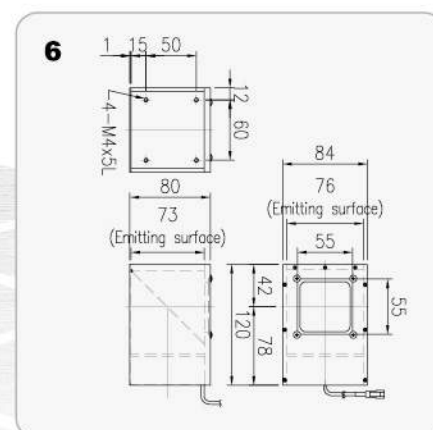
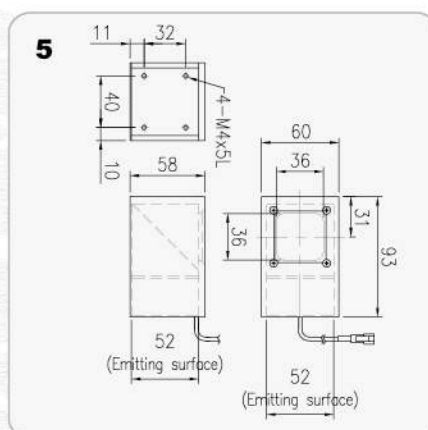
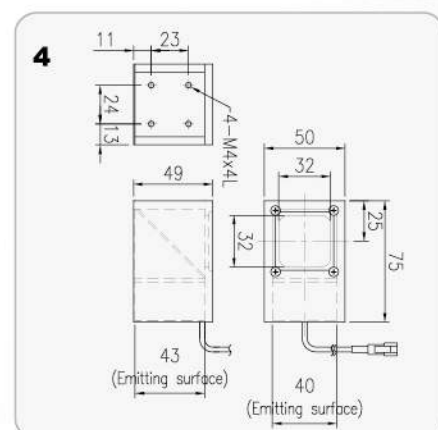
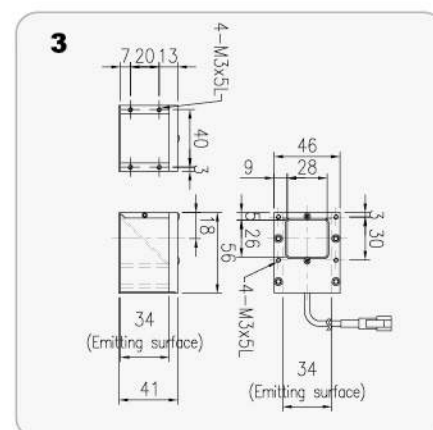
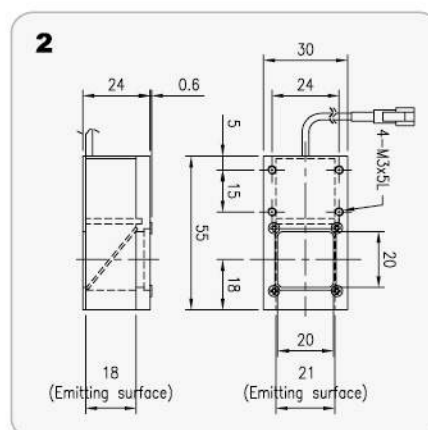
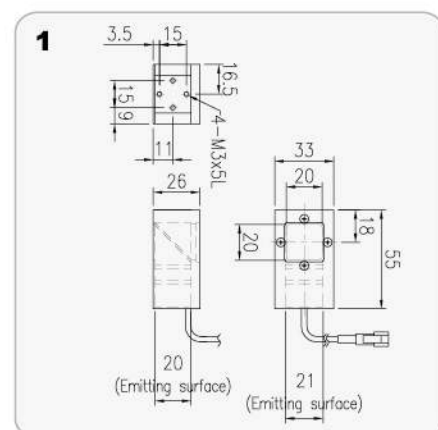
GL-IFV40R Graph



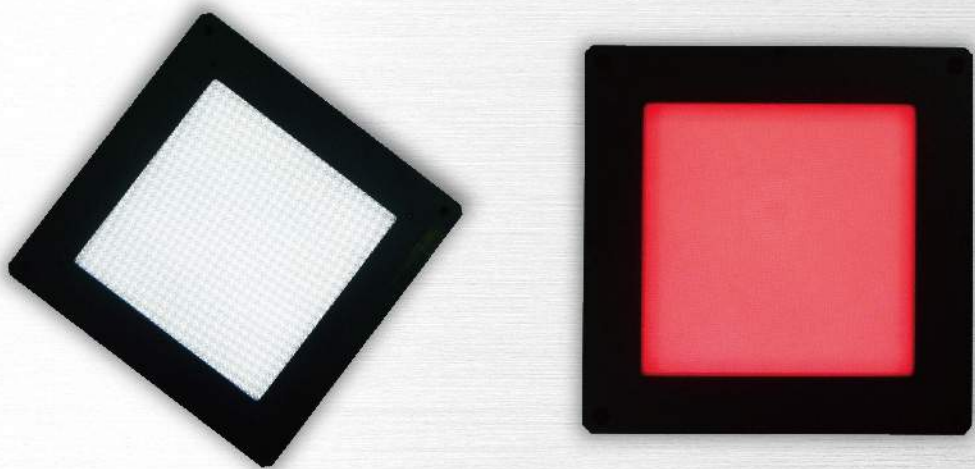
Illuminate Height:5CM,10CM,15CM



Dimensional Diagrams(mm)



Flat Dome Series



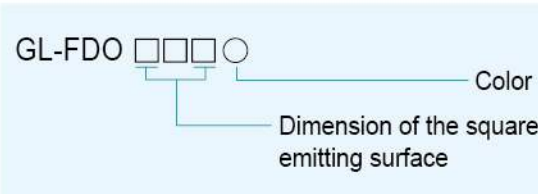
Features

- 1. Lightweight and thin
- 2. Provide same light-emitting surface of coaxial light(IFV series) and dome type (DOME series) with less installation height.

Major applications

- 1. Inspection of the printing on the bottoms of aluminum cans or batteries
- 2. Inspection of the circuit of PCB
- 3. Inspection of the keyboard of mobile phone
- 4. Inspection of reflective materials

Model explanation



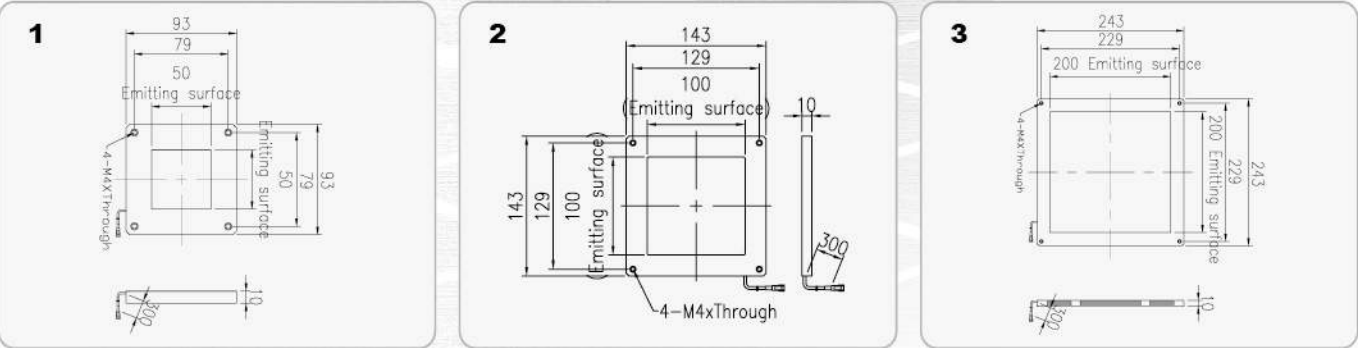
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-FDO50R-24	●	24V/0.66W		1
GL-FDO50W/B/G-24	○ ● ●	24V/0.99W		
GL-FDO100R-24	●	24V/3.84W		
GL-FDO100W/B/G-24	○ ● ●	24V/5.76W	271	2
GL-FDO100IR-24	●	24V/3.84W		
GL-FDO200R-24	●	24V/12.09W		3
GL-FDO200W/B/G-24	○ ● ●	24V/17.28W		

Imaging examples



Dimensional Diagrams(mm)



Spot Light Series



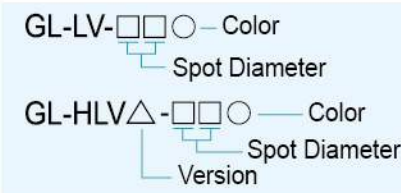
Features

- 1. High-luminosity coaxial spot lights compatible with MARCO lenses
- 2. Collecting optics by used light guides to maximum spot luminance
- 3. Stable illumination in dedicated constant-voltage power source
- 4. Small with easy and convenient handling
- 5. Spot lighting
- 6. HLV3 series allows 5 times brighter than HLV series, which has become the brightest spot light in Machine vision field.

Major applications

- 1. Coaxial lighting for highly reflective surfaces, such as wafers, metal surfaces, liquid-crystal and glass material.
- 2. Mounted on movable modules.

Model explanation



Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-LV14R	●	12V/0.3W		
GL-LV14W/B/G	○ ● ●	12V/0.3W	16	1
GL-LV14IR	●	12V/0.3W		
GL-HLV28R	●	350mA/1.0W		
GL-HLV28W/B/G	○ ● ●	350mA/1.0W	39	2
GL-HLV28IR	●	350mA/1.0W		
GL-HLV2-28R	●	350mA/1.0W		
GL-HLV2-28W/B/G	○ ● ●	350mA/1.0W	65	3
GL-HLV2-32R	●	500mA/2.0W		
GL-HLV2-32W/B/G	○ ● ●	500mA/2.0W	90	4
GL-HLV3-24R	●	500mA/2.0W		
GL-HLV3-24W/B/G	○ ● ●	500mA/2.0W	40	5
GL-HLV2-24R-3W	●	700mA/3W		
GL-HLV2-24W/B/G-3W	○ ● ●	700mA/3W	153	6
GL-HLV2-24W-5W	○	1300mA/5W	153	7

Dimmer for Spot Light Available Models

LED Model	Power Model	Power Requirement	Output	Connector	External Control	Dimension	Weight(g)
GL-HLV28			350mA				
GL-HLV2-28	GLC-PI1W						
GL-HLV2-32							
GL-HLV3-24	GLC-PI2W	AC100V~AC240V	500mA	SMP-03V*1	Current Control	8	580
GL-HLV2-24-3W	GLC-PI170		700mA				
GL-HLV2-24-5W	GLC-PI1130		1300mA				

Model	Power Requirement	Output	Connector	External Control	Dimension	Weight(g)
GLC-DPI235-AD	AC100V~AC240V	350mA	SMP-03V*2	A/D	9	1030
GLC-DPI235-IO		350mA	SMP-03V*2	I/O	10	1030
GLC-DPI235-RS232		350mA	SMP-03V*2	RS232	11	1030
GLC-DPI250-AD	AC100V~AC240V	500mA	SMP-03V*2	A/D	9	1030
GLC-DPI250-IO		500mA	SMP-03V*2	I/O	10	1030
GLC-DPI250-RS232		500mA	SMP-03V*2	RS232	11	1030
GLC-DPI270-AD	AC100V~AC240V	700mA	SMP-03V*2	A/D	9	1030
GLC-DPI270-IO		700mA	SMP-03V*2	I/O	10	1030
GLC-DPI270-RS232		700mA	SMP-03V*2	RS232	11	1030
GLC-DPI2130-AD	AC100V~AC240	1300mA	SMP-03V*2	A/D	9	1030
GLC-DPI2130-IO		1300mA	SMP-03V*2	I/O	10	1030
GLC-DPI2130-RS232		1300mA	SMP-03V*2	RS232	11	1030
GLC-DPI435-AD	AC100V~AC240V	350mA	SMP-03V*4	A/D	12	1540
GLC-DPI435-IO		350mA	SMP-03V*4	I/O	13	1540
GLC-DPI435-RS232		350mA	SMP-03V*4	RS232	14	1540
GLC-DPI450-AD	AC100V~AC240V	500mA	SMP-03V*4	A/D	12	1540
GLC-DPI450-IO		500mA	SMP-03V*4	I/O	13	1540
GLC-DPI450-RS232		500mA	SMP-03V*4	RS232	14	1540
GLC-DPI470-AD	AC100V~AC240V	700mA	SMP-03V*4	A/D	12	1540
GLC-DPI470-IO		700mA	SMP-03V*4	I/O	13	1540
GLC-DPI470-RS232		700mA	SMP-03V*4	RS232	14	1540
GLC-DPI4130-AD	AC100V~AC240	1300mA	SMP-03V*4	A/D	12	1540
GLC-DPI4130-IO		1300mA	SMP-03V*4	I/O	13	1540
GLC-DPI4130-RS232		1300mA	SMP-03V*4	RS232	14	1540

[illegible]

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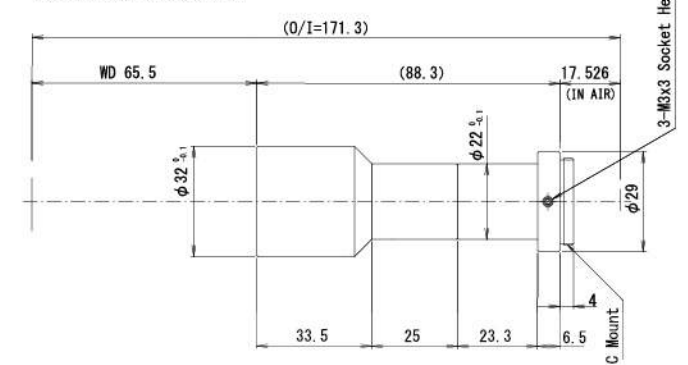
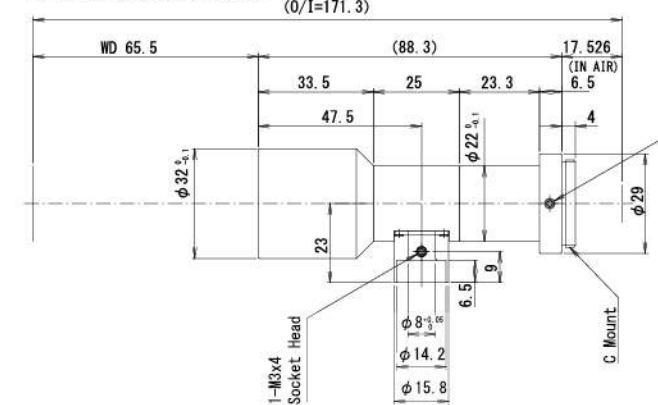
- ▶ Compatible with 2MP sensors on 2/3" cameras
- ▶ A wide variety of magnification options available
(65mm WD - 0.5x, 0.8x, 1.0x, 2.0x, 110mm WD - 0.3x, 0.5x, 0.8x, 1.0x, 1.5x, 2.0x) which include coaxial models
- ▶ Low TV distortion correction to the furthest corner (0.01 ~ 0.03s%)

ALN-TEC-M0565MPC / ALN-TEC-M0565MP



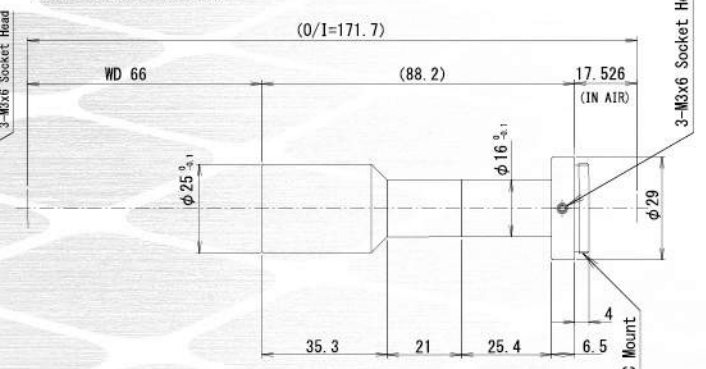
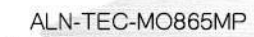
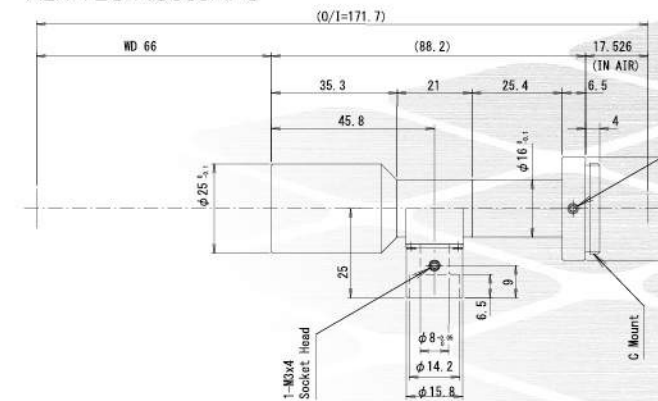
Model (with coaxial type)	ALN-TEC-M0565MPC
Model (straight type)	ALN-TEC-M0565MP
Format	2/3" ϕ 11mm
Magnification	0.5x
Working Distance	65.5mm
Resolving Power *1	12 μ m
Depth of Field *2	2.87mm
NA	0.028
Effective F number	9
TV Distortion	-0.012%

Field of View	2/3inch	17.6 x 13.2mm
	1/1.8inch	14.35 x 10.64mm
	1/2inch	12.8 x 9.6mm
	1/3inch	9.6 x 7.2mm
Mount		C-mount
Weight (with coaxial type)		80g
Weight (straight type)		77g



Model (with coaxial type)	ALN-TEC-M0865MPC
Model (straight type)	ALN-TEC-M0865MP
Format	2/3" ϕ 11mm
Magnification	0.8x
Working Distance	66mm
Resolving Power *1	8 μ m
Depth of Field *2	1.18mm
NA	0.042
Effective F number	9.4
TV Distortion	0.008%

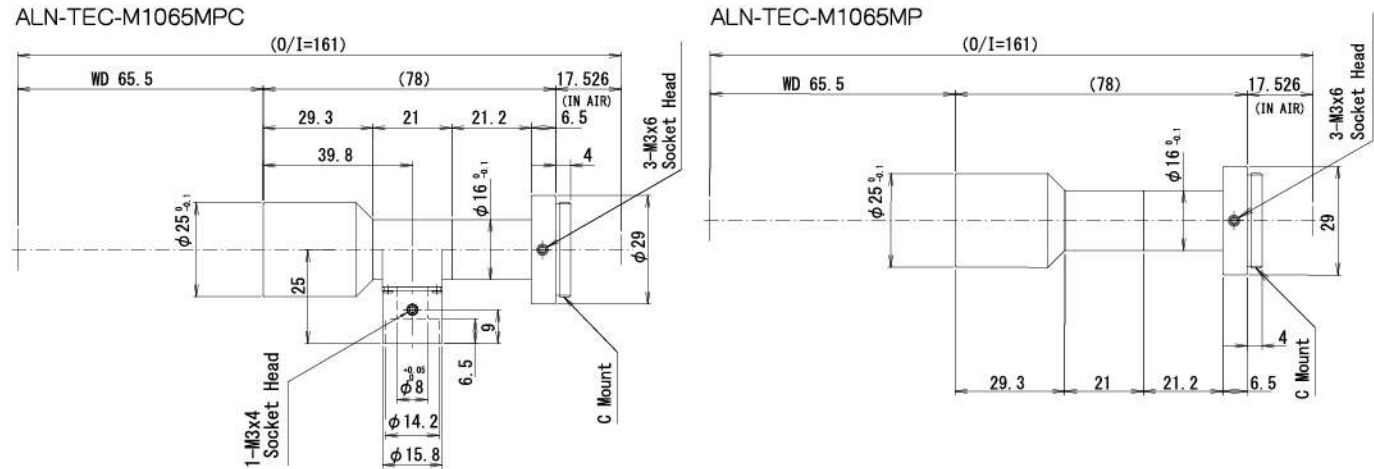
Field of View	2/3inch	11 x 8.25mm
	1/1.8inch	8.97 x 6.65mm
	1/2inch	8 x 6mm
	1/3inch	6 x 4.5mm
Mount		C-mount
Weight (with coaxial type)		62g
Weight (straight type)		57g



* 1 : Theoretical resolution calculated with a wavelength of 550nm
* 2 : Value calculated with a permissible circle of confusion of 40µm

WD-65mm

ALN-TEC-M1065MPC / ALN-TEC-M1065MP

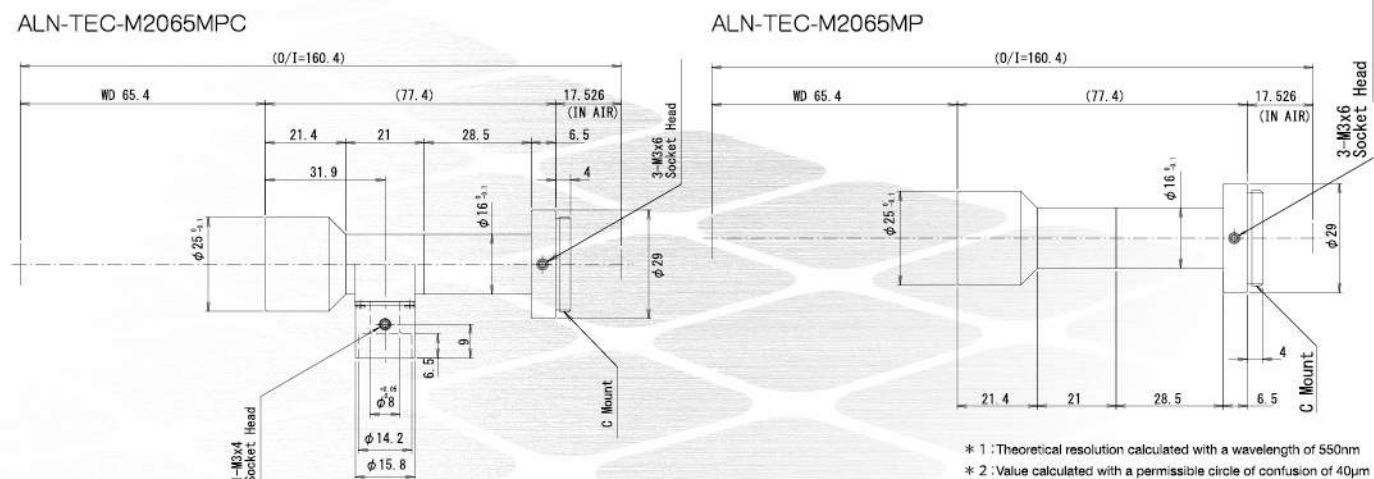


Field of View	2/3inch	8.8 x 6.6mm
	1/1.8inch	7.18 x 5.32mm
	1/2inch	6.4 x 4.8mm
	1/3inch	4.8 x 3.6mm
Mount		C-mount
Weight (with coaxial type)		54g
Weight (straight type)		49g

Field of View	2/3inch	8.8 x 6.6mm
	1/1.8inch	7.18 x 5.32mm
	1/2inch	6.4 x 4.8mm
	1/3inch	4.8 x 3.6mm
Mount		C-mount
Weight (with coaxial type)		54g
Weight (straight type)		49g

WD-65mm

ALN-TEC-M2065MPC / ALN-TEC-M2065MP



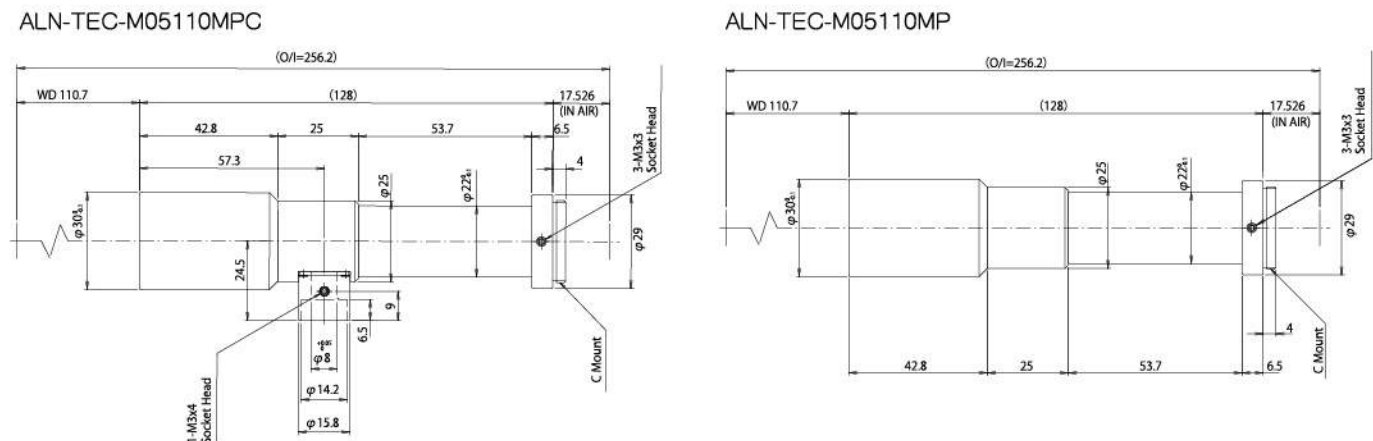
Field of View	2/3inch	4.4 x 3.3mm
	1/1.8inch	3.59 x 2.66mm
	1/2inch	3.2 x 2.4mm
	1/3inch	2.4 x 1.8mm
Mount		C-mount
Weight (with coaxial type)		55g
Weight (straight type)		49g

Field of View	2/3inch	4.4 x 3.3mm
	1/1.8inch	3.59 x 2.66mm
	1/2inch	3.2 x 2.4mm
	1/3inch	2.4 x 1.8mm
Mount		C-mount
Weight (with coaxial type)		55g
Weight (straight type)		49g

* 1 :Theoretical resolution calculated with a wavelength of 550nm
* 2 :Value calculated with a permissible circle of confusion of 40 μ m

WD-110mm

ALN-TEC-M05110MPC / ALN-TEC-M05110MP

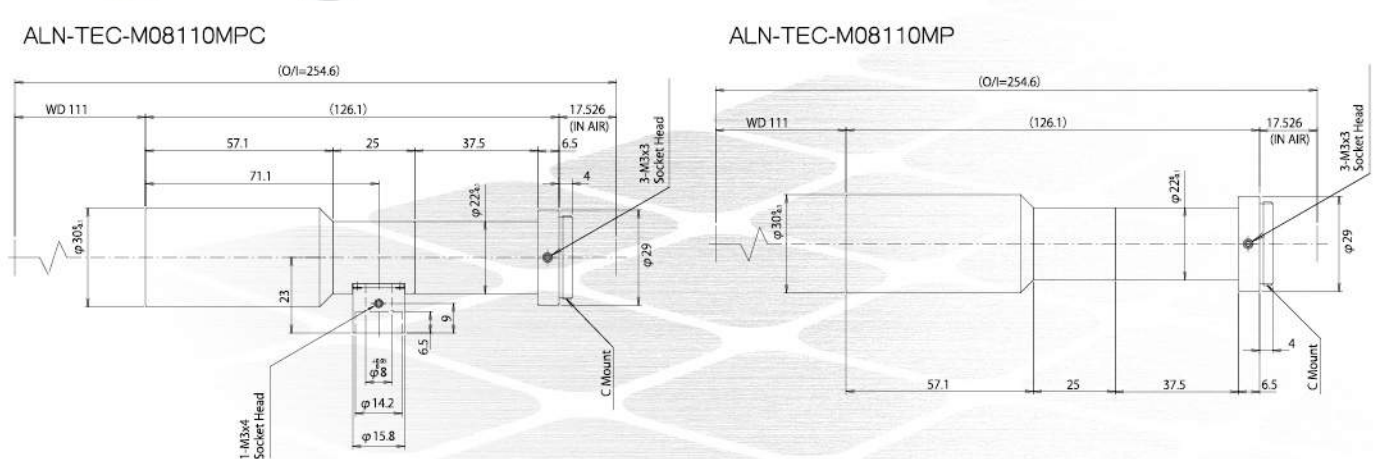


Field of View	2/3inch	5.87 x 4.4mm
	1/1.8inch	4.79 x 3.55mm
	1/2inch	4.27 x 3.2mm
	1/3inch	3.2 x 2.4mm
Mount		C-mount
Weight (with coaxial type)		110g
Weight (straight type)		108g

Field of View	2/3inch	5.87 x 4.4mm
	1/1.8inch	4.79 x 3.55mm
	1/2inch	4.27 x 3.2mm
	1/3inch	3.2 x 2.4mm
Mount		C-mount
Weight (with coaxial type)		110g
Weight (straight type)		108g

WD-110mm

ALN-TEC-M08110MPC / ALN-TEC-M08110MP



Field of View	2/3inch	11 x 8.25mm
	1/1.8inch	8.97 x 6.65mm
	1/2inch	8 x 6mm
	1/3inch	6 x 4.5mm
Mount		C-mount
Weight (with coaxial type)		106g
Weight (straight type)		103g

Field of View	2/3inch	11 x 8.25mm
	1/1.8inch	8.97 x 6.65mm
	1/2inch	8 x 6mm
	1/3inch	6 x 4.5mm
Mount		C-mount
Weight (with coaxial type)		106g
Weight (straight type)		103g

* 1 :Theoretical resolution calculated with a wavelength of 550nm
* 2 :Value calculated with a permissible circle of confusion of 40μm

WD-110mm

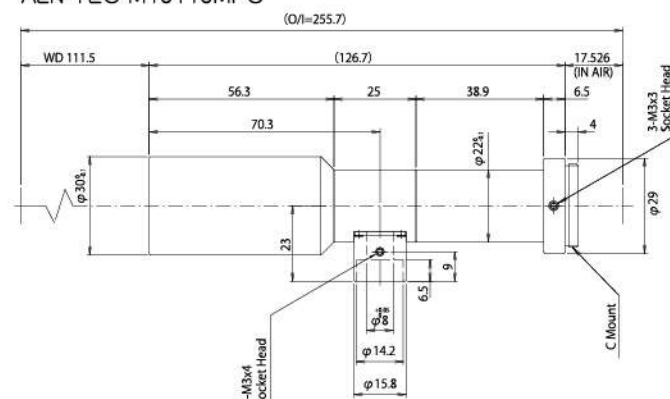
ALN-TEC-M10110MPC / ALN-TEC-M10110MP



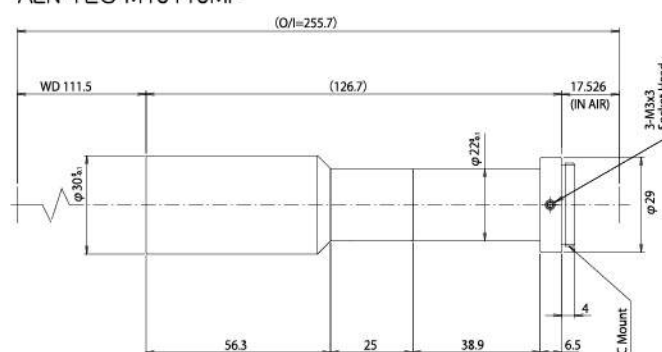
Model (with coaxial type)	ALN-TEC-M10110MPC
Model (straight type)	ALN-TEC-M10110MP
Format	2/3"φ11mm
Magnification	1x
Working Distance	111.5mm
Resolving Power *1	6.9μm
Depth of Field *2	0.82mm
NA	0.049
Effective F number	10.1
TV Distortion	-0.003%

Field of View	2/3inch	8.8 x 6.6mm
	1/1.8inch	7.18 x 5.32mm
	1/2inch	6.4 x 4.8mm
	1/3inch	4.8 x 3.6mm
Mount	C-mount	
Weight (with coaxial type)	108g	
Weight (straight type)	105g	

ALN-TEC-M10110MPC



ALN-TEC-M10110MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40μm

WD-110mm

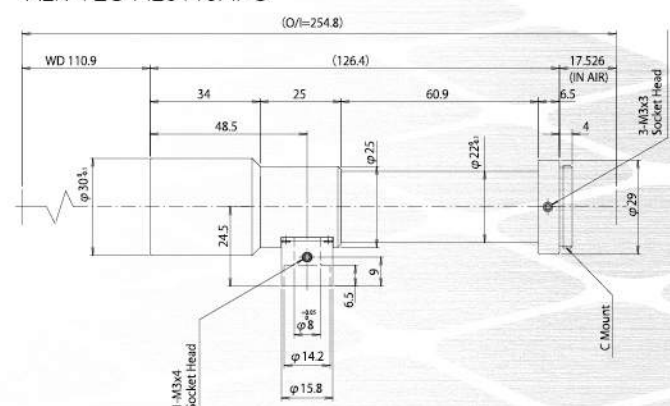
ALN-TEC-M20110MPC / ALN-TEC-M20110MP



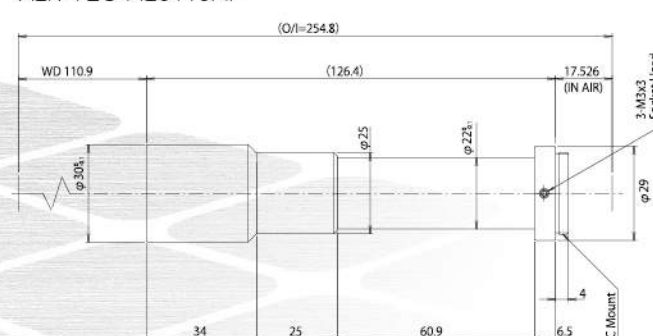
Model (with coaxial type)	ALN-TEC-M08110MPC
Model (straight type)	ALN-TEC-M08110MP
Format	2/3" φ 11mm
Magnification	2x
Working Distance	110.9mm
Resolving Power *1	4.5μm
Depth of Field *2	0.27mm
NA	0.075
Effective F number	13
TV Distortion	-0.019%

Field of View	2/3inch	4.4 x 3.3mm
	1/1.8inch	3.59 x 2.66mm
	1/2inch	3.2 x 2.4mm
	1/3inch	2.4 x 1.8mm
Mount	C-mount	
Weight (with coaxial type)	115g	
Weight (straight type)	113g	

ALN-TEC-M20110MPC



ALN-TEC-M20110MP



* 1 : Theoretical resolution calculated with a wavelength of 550nm
 * 2 : Value calculated with a permissible circle of confusion of 40μm

Indirect Lighting



Large Dome Series



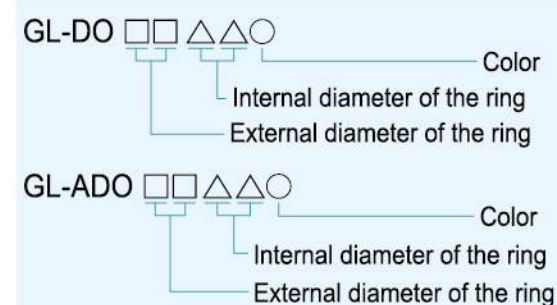
Features

1. Large dome type allow perfect illumination for large evenly area
2. Provide shadowless illumine in applications with fast check
3. Allow to have combination with horizontal ring light(FDR series) to achieve zero shadowless
 *ADO series are the combination of DO series and FDR series

Major applications

1. Inspection of the print on the bottom of aluminum cans
2. Curved metal surfaces and similar surfaces
3. Surface inspection, surface printing inspection
4. Any metal surface inspection, ex. Stainless surface scratch inspection

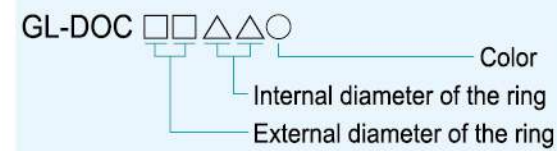
Model explanation



Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DO8454R-24	●	24V/3.9W	92	1
GL-DO8454W/B/G-24	○ ● ●	24V/5.8W		
GL-DO8454IR-24	●	24V/3.9W		
GL-DO2-8454R-24	●	24V/2.64W		
GL-DO2-8454W/B/G-24	○ ● ●	24V/4.56W	170	2
GL-DO12292R-24	●	24V/6.3W		
GL-DO12292W/B/G-24	○ ● ●	24V/9.4W		
GL-DO12292IR-24	●	24V/6.3W		
GL-DO2-12292R-24	●	24V/4.6W	255	3
GL-DO2-12292W/B/G-24	○ ● ●	24V/8.92W		
GL-DO156108R-24	●	24V/7.2W		
GL-DO156108W/B/G-24	○ ● ●	24V/10.56W		
GL-DO156108IR-24	●	24V/7.2W	685	4
GL-DO2-156108R-24	●	24V/5.28W		
GL-DO2-156108W/B/G-24	○ ● ●	24V/11.04W		
GL-DO266210R-24	●	24V/18.24W		
GL-DO266210W/B/G-24	○ ● ●	24V/27.36W	157	6
GL-DO266210IR-24	●	24V/18.24W		
GL-DO2-4529R-24	●	24V/1.44W		
GL-ADO8454R-24	●	24V/5.76W	265	7
GL-ADO8454W/B/G-24	○ ● ●	24V/8.64W		
GL-ADO8454IR-24	●	24V/5.76W		
GL-ADO12292R-24	●	24V/9.12W		
GL-ADO12292W/B/G-24	○ ● ●	24V/13.44W	265	7
GL-ADO12292IR-24	●	24V/9.12W		

Model explanation

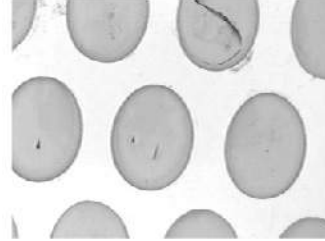


Model	Color	Power Consumption	Weight (g)	Dimension
GL-ADO156108R-24	●	24V/11.04W	450	8
GL-ADO156108W/B/G-24	○●●	24V/16.32W		
GL-ADO156108IR-24	●	24V/11.04W		
GL-DOC215180R	●	12V/11.6W	935	9
GL-DOC215180W/B/G	○●●	12V/17.3W		
GL-DOC215180IR	●	12V/11.6W		

Imaging examples



GL-DO156108R
Cross Screw



GL-DO156108R
Medicine Pill Package



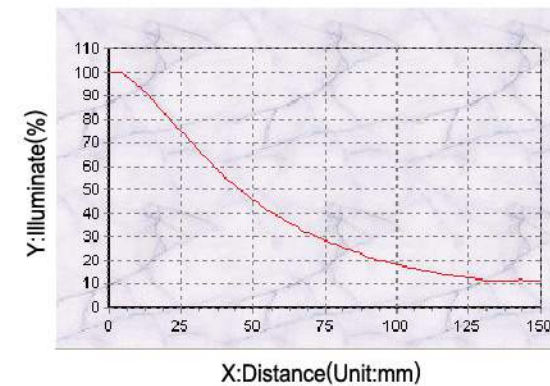
GL-DO156108W
Iron Powder Surface



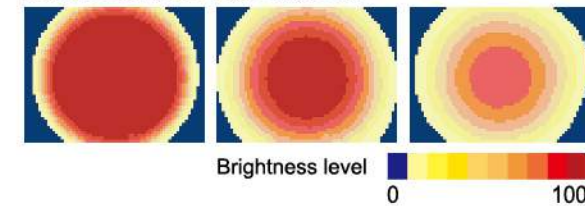
GL-DO156108W
Aluminum cans

Luminous intensity distribution characteristics

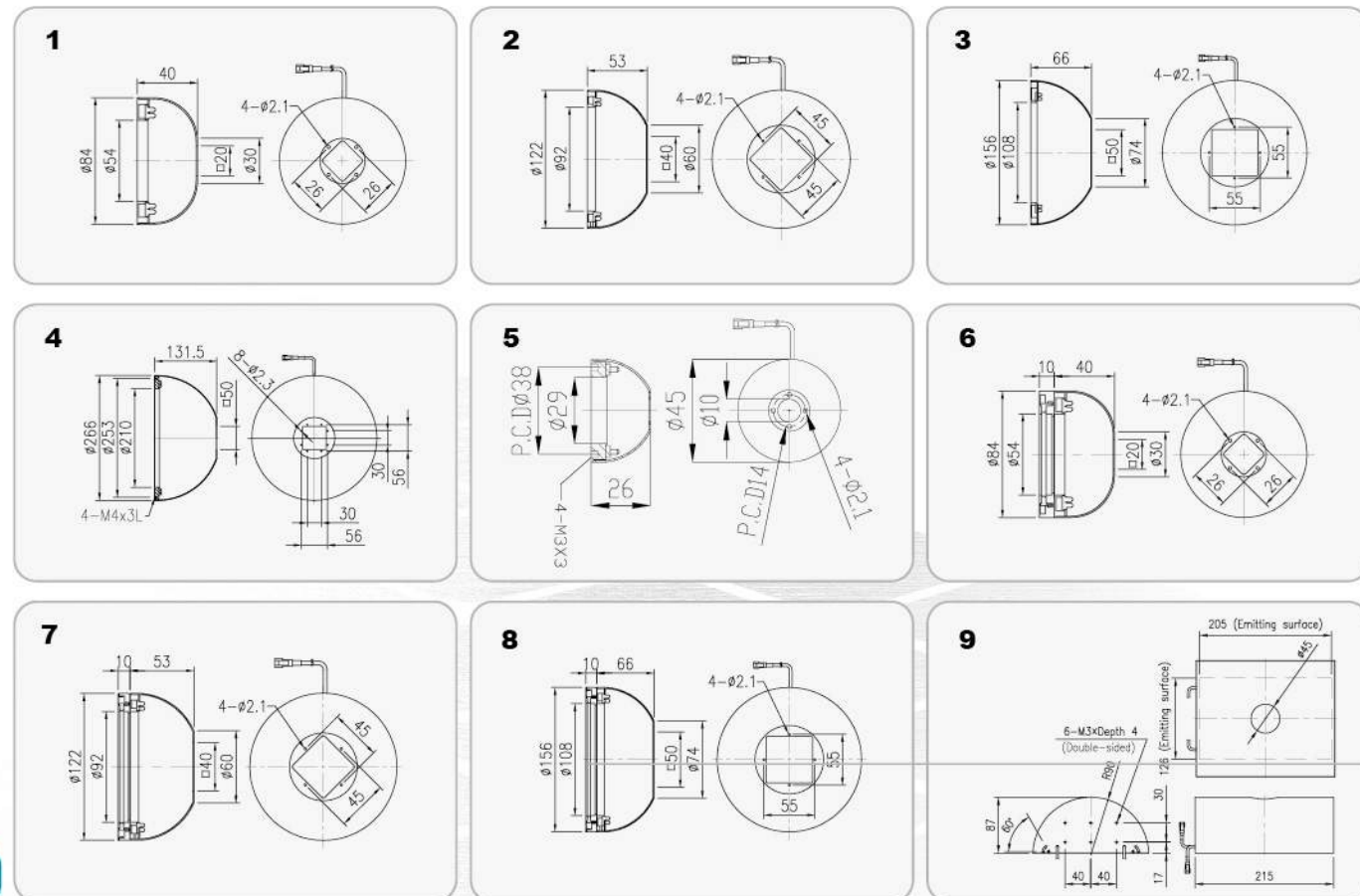
GL-DO156108R Graph



Illuminate Height:5CM,10CM,15CM



Dimensional Diagrams(mm)



Indirect Lighting

Line Light Series



Features

1. Provide higher intensity and uniformity than conventional lights
2. Emitting surfaces length can be suitable for application form 100mm as a base increment to 1000mm.
3. Enable high resolution and high speed processing application.
4. Line lighting
5. Mounted on movable modules

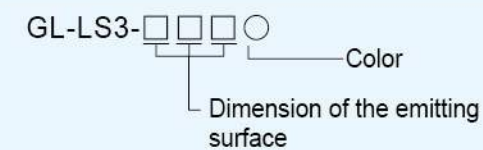
Major applications

1. Coaxial lighting for highly reflective surfaces, such as wafers, metal surfaces, liquid-crystal and glass adjustment.

Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-LS3-100R	●	950mA/21.5W	650	1
GL-LS3-100W/B/G	○●●	950mA/31W		
GL-LS3-200R	●	950mA/43W	1113	2
GL-LS3-200W/B/G	○●●	950mA/62W		
GL-LS3-300R	●	950mA/64.5W	1649	3
GL-LS3-300W/B/G	○●●	950mA/93W		
GL-LS3-400R	●	950mA/86W		4
GL-LS3-400W/B/G	○●●	950mA/124W		
GL-LS3-700W	○	1.7A/73W		5
GL-LS3-1600W-DP	○	5600mA/196W		6
GL-LS4-1000W	○	2.5A/87.5W		7
GL-LS4-4000W	○	480W		8

Model explanation

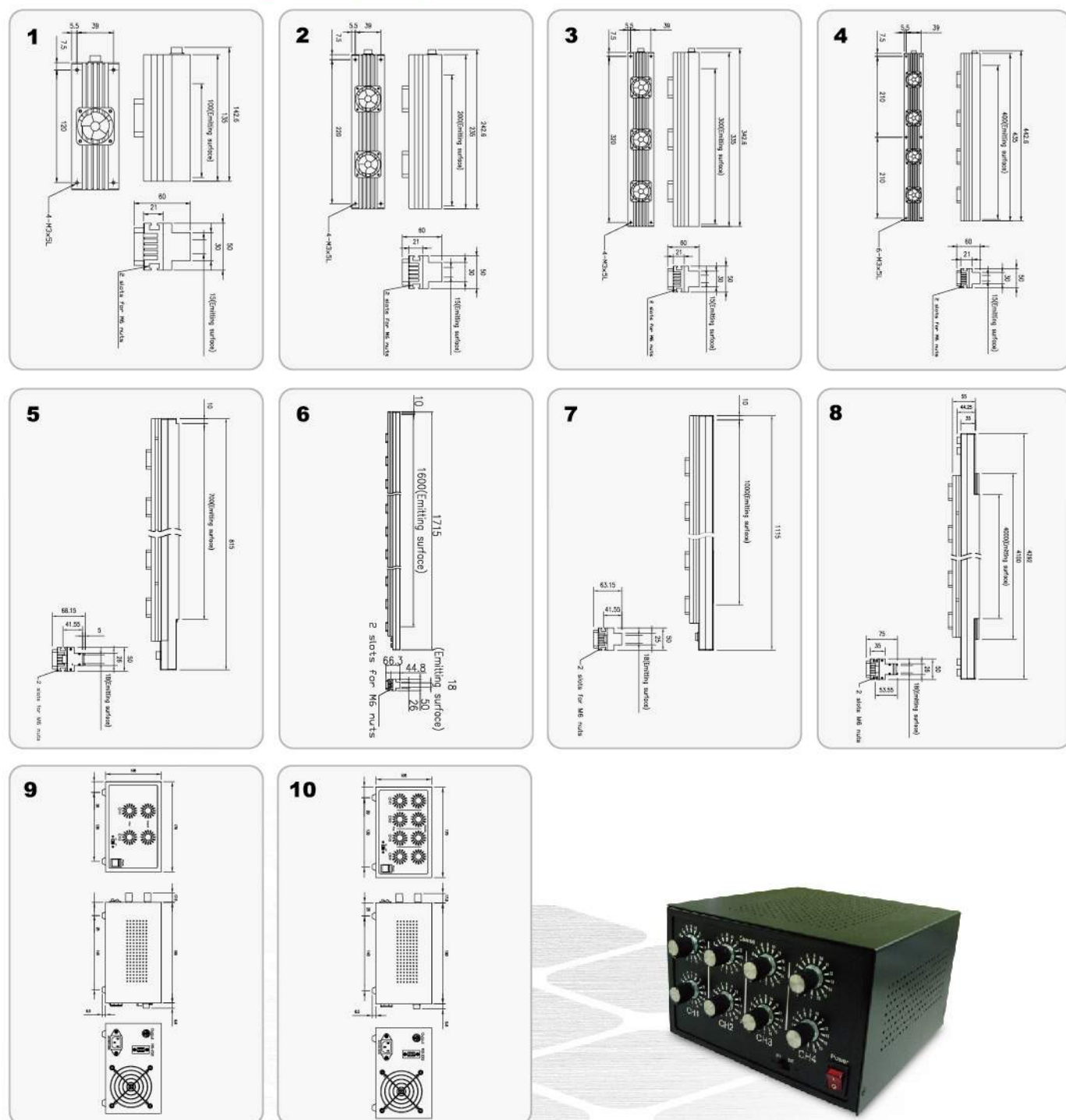


Dimmer For Line Light

Available Models

Power Model	Power Requirement	Output	Connector	Output Type	Dimension	Weight (g)
GLC-RPI3-295	AC100V~AC240V	950mA	HR30-7R-12P	Current Control	9	2011
GLC-RPI3-495					10	

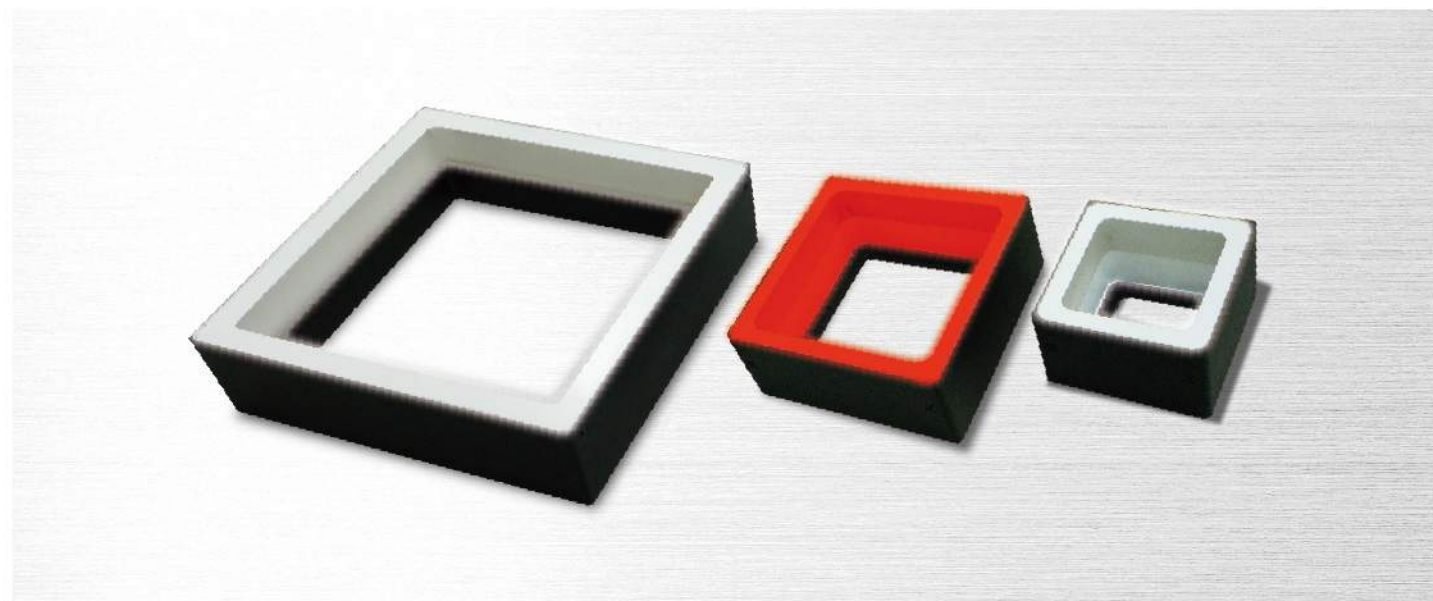
Dimensional Diagrams(mm)



Indirect Lighting



Shadowless Square Series



Features

1. Best choice of rectangle inspection objectives.
2. Ability to evenly diffused reflection of inspection objectives, to get rest results correctly.

Major applications

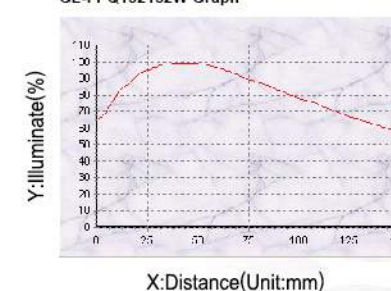
1. IC wafer inspection & substrate part inspection
2. Inspection from the side and to emerge from internal surfaces of object for stain
3. Visual inspection of wafers
4. Solder inspection& connector pitch inspection

Model explanation

GL-FPQ 

Luminous intensity distribution characteristics

GL-FPQ152152W Graph



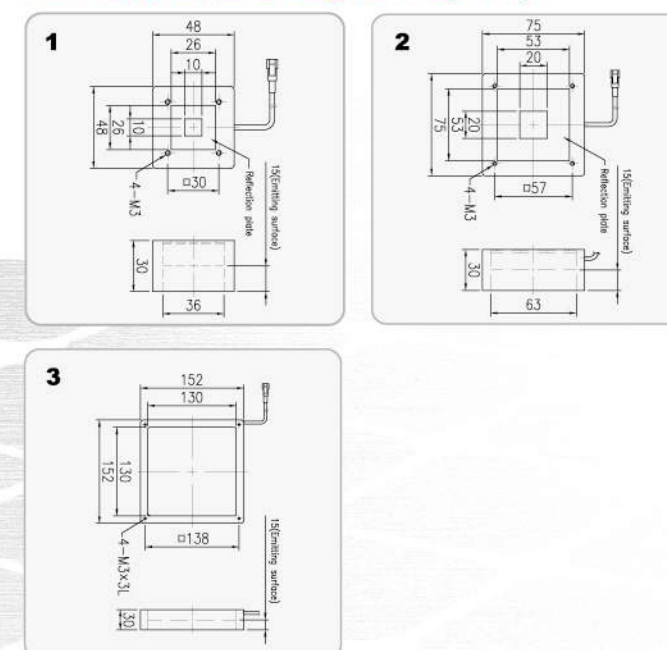
Illuminate Height: 5CM, 10CM, 15CM



Available Models

Model	Color	Power Consumption	Weight (g)	Dimensions
GL-FPQ4848R-24		24V/1.5W	50	1
GL-FPQ4848W/B/G-24	  	24V/2.0W		
GL-FPQ4848IR-24		24V/1.5W		
GL-FPQ7575R-24		24V/2.4W	92	2
GL-FPQ7575W/B/G-24	  	24V/3.4W		
GL-FPQ7575IR-24		24V/2.4W		
GL-FPQ152152R-24		24V/4.8W	258	3
GL-FPQ152152W/B/G-24	  	24V/7.2W		
GL-FPQ152152IR-24		24V/4.8W		

Dimensional Diagrams(mm)



Square Series (0°)



Features

- 1. Hollow design, providing large area lighting evenly from top.
- 2. Frivolous design mainly for space reduction by chip-mounted.
- 3. Best choice of rectangle inspection objectives.
- 4. Ability to evenly diffused reflection of inspection objectives, to get rest results correctly.

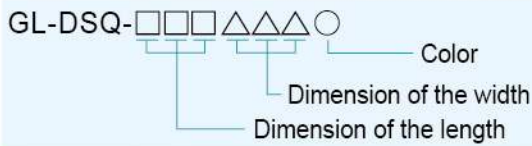
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DSQ2-150150R-24	●	24V/17.28W	404	1
GL-DSQ2-150150W/B/G-24	○ ● ●	24V/25.92W		
GL-DSQ2-208208R-24	●	24V/28.8W	1457	2
GL-DSQ2-208208W/B/G-24	○ ● ●	24V/43.2W		
GL-DSQ2-300300R-24	●	24V/51.84W	1457	3
GL-DSQ2-300300W/B/G-24	○ ● ●	24V/77.76W		

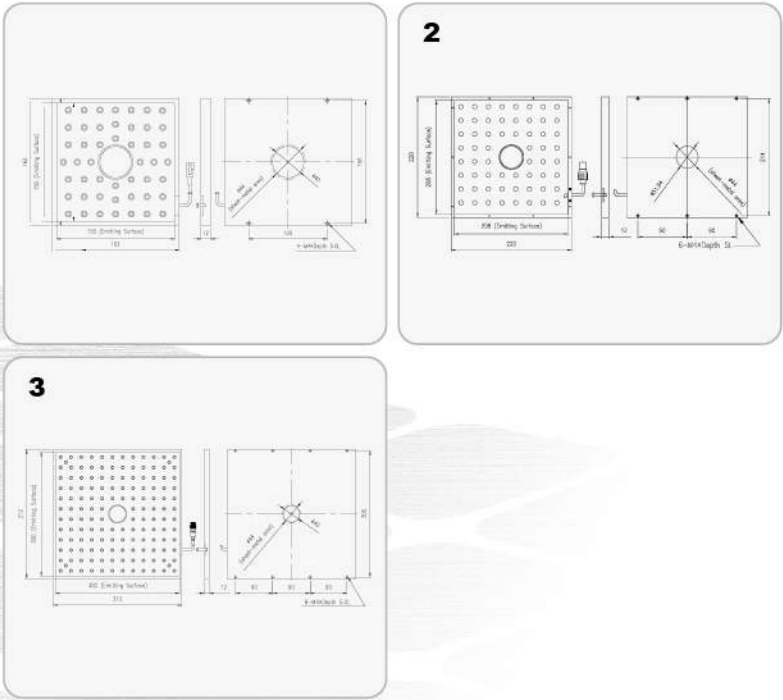
Major applications

- 1. Robots, ex: motor parts spot welding, placing wafer.
- 2. Multiple outline inspection.

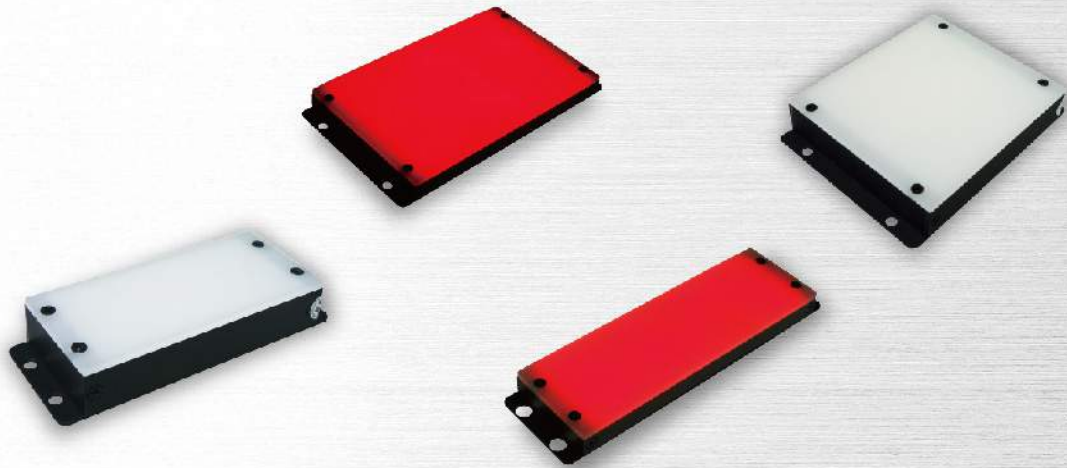
Model explanation



Dimensional Diagrams(mm)



Backlight Series



Features

- 1. Frivolous design mainly for space reduction by chip-mounted

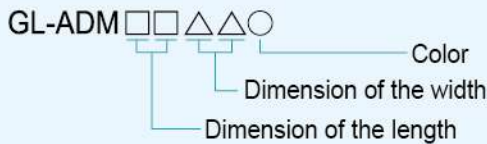
Major applications

- 1. Exterior visual inspection for electronic parts
- 2. Lead frame inspection
- 3. Inspection of transparent object fro stain and other particles
- 4. Omnigenous outline observations
- 5. Inspection in bend lead for GFPS, QSPs, and SOPs

Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-ADM3030R-24	●	24V/1.44W	30	1
GL-ADM3030W/B/G-24	○ ● ●	24V/2.4W		2
GL-ADM3030IR-24	●	24V/1.44W		1
GL-ADM3060R-24	●	24V/2.88W	45	3
GL-ADM3060W/B/G-24	○ ● ●	24V/4.8W		4
GL-ADM3060IR-24	●	24V/2.88W		3
GL-ADM3090R-24	●	24V/4.32W	60	5
GL-ADM3090W/B/G-24	○ ● ●	24V/7.2W		6
GL-ADM3090IR-24	●	24V/4.32W		5
GL-ADM30120R-24	●	24V/5.76W	74	7
GL-ADM30120W/B/G-24	○ ● ●	24V/9.6W		8
GL-ADM30120IR-24	●	24V/5.76W		7
GL-ADM6060R-24	●	24V/5.76W	60	9
GL-ADM6060W/B/G-24	○ ● ●	24V/9.6W		10
GL-ADM6060IR-24	●	24V/5.76W		9
GL-ADM6090R-24	●	24V/8.64W	110	11
GL-ADM6090W/B/G-24	○ ● ●	24V/14.4W		12
GL-ADM6090IR-24	●	24V/8.64W		11

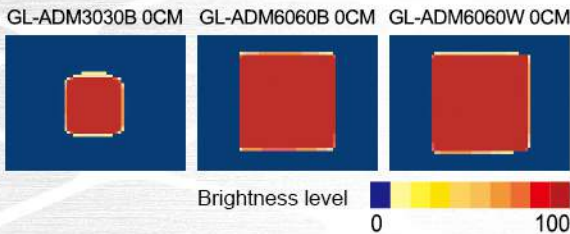
Model explanation



Imaging examples

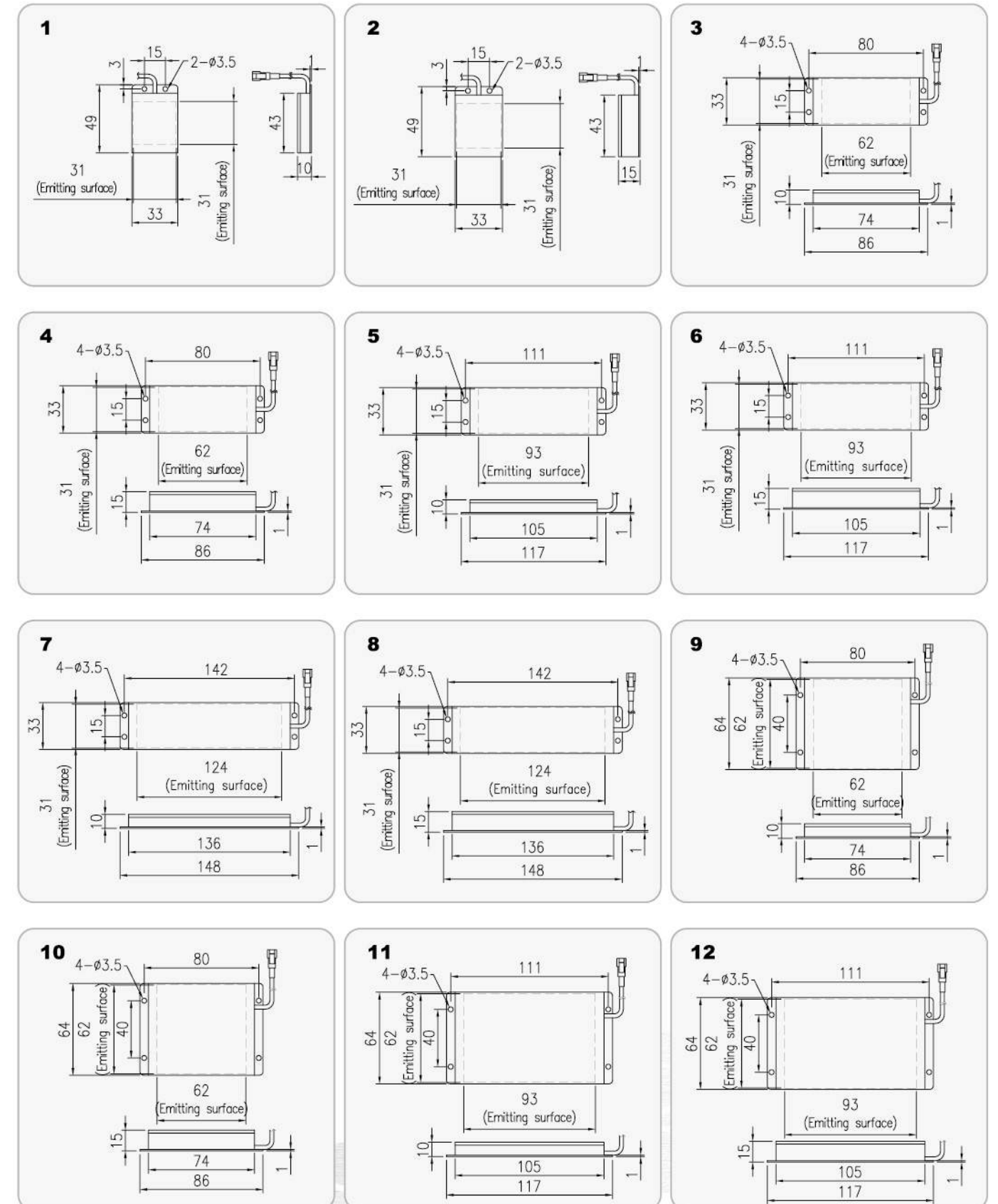


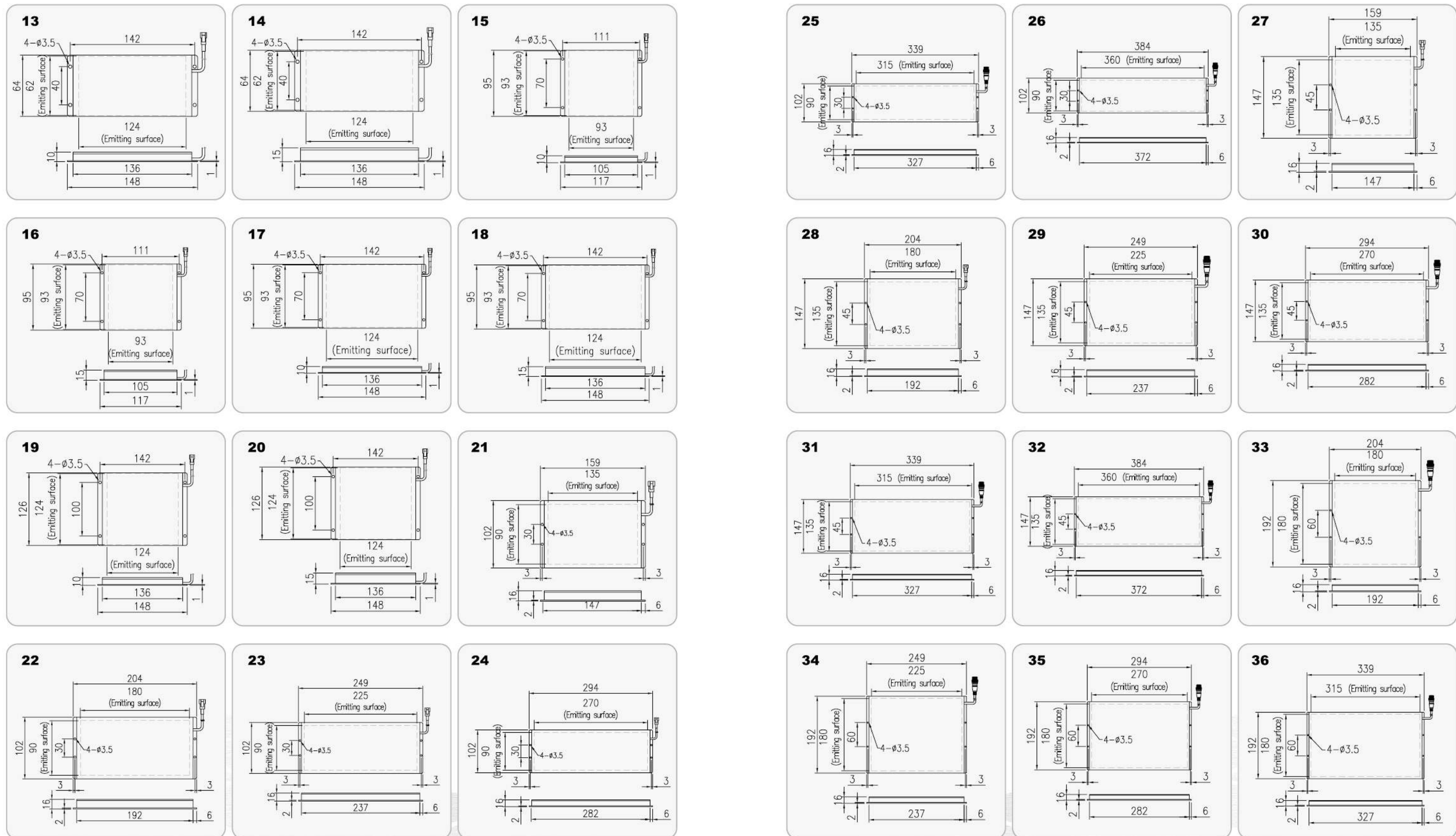
Luminous intensity distribution characteristics



Model	Color	Power Consumption	Weight (g)	Dimension	Model	Color	Power Consumption	Weight (g)	Dimension
GL-ADM60120R-24	●	24V/11.52W	136	13	GL-ADM180180R-24	●	24V/26.9W	716	33
GL-ADM60120W/B/G-24	○ ● ●	24V/19.2W	149	14	GL-ADM180180W/B/G-24	○ ● ●	24V/37.7W		
GL-ADM60120IR-24	●	24V/11.52W	136	13	GL-ADM180180IR-24	●	24V/26.9W		
GL-ADM9090R-24	●	24V/12.96W		15	GL-ADM180225R-24	●	24V/33.6W		
GL-ADM9090W/B/G-24	○ ● ●	24V/21.6W	160	16	GL-ADM180225W/B/G-24	○ ● ●	24V/47.1W	34	34
GL-ADM9090IR-24	●	24V/12.96W		15	GL-ADM180225IR-24	●	24V/33.6W		
GL-ADM90120R-24	●	24V/17.28W	197	17	GL-ADM180270R-24	●	24V/40.4W		
GL-ADM90120W/B/G-24	○ ● ●	24V/28.8W	216	18	GL-ADM180270W/B/G-24	○ ● ●	24V/56.4W		
GL-ADM90120IR-24	●	24V/17.28W	197	17	GL-ADM180270IR-24	●	24V/40.4W	35	35
GL-ADM120120R-24	●	24V/23.04W	260	19	GL-ADM180315R-24	●	24V/47.1W		
GL-ADM120120W/B/G-24	○ ● ●	24V/38.4W	283	20	GL-ADM180315W/B/G-24	○ ● ●	24V/65.9W		
GL-ADM120120IR-24	●	24V/23.04W	260	19	GL-ADM180315IR-24	●	24V/47.1W		
GL-ADM90135R-24	●	24V/10.1W			GL-ADM180360R-24	●	24V/53.8W	37	37
GL-ADM90135W/B/G-24	○ ● ●	24V/14.2W	316	21	GL-ADM180360W/B/G-24	○ ● ●	24V/75.3W		
GL-ADM90135IR-24	●	24V/10.1W			GL-ADM180360IR-24	●	24V/53.8W		
GL-ADM90180R-24	●	24V/13.5W			GL-ADM225225R-24	●	24V/42.0W	38	38
GL-ADM90180W/B/G-24	○ ● ●	24V/18.9W	349	22	GL-ADM225225W/B/G-24	○ ● ●	24V/58.9W		
GL-ADM90180IR-24	●	24V/13.5W			GL-ADM225225IR-24	●	24V/42.0W		
GL-ADM90225R-24	●	24V/16.9W			GL-ADM225270R-24	●	24V/50.5W	39	39
GL-ADM90225W/B/G-24	○ ● ●	24V/23.6W		23	GL-ADM225270W/B/G-24	○ ● ●	24V/70.6W		
GL-ADM90225IR-24	●	24V/16.9W			GL-ADM225270IR-24	●	24V/50.5W		
GL-ADM90270R-24	●	24V/20.2W			GL-ADM225315R-24	●	24V/58.9W	40	40
GL-ADM90270W/B/G-24	○ ● ●	24V/28.3W		24	GL-ADM225315W/B/G-24	○ ● ●	24V/82.4W		
GL-ADM90270IR-24	●	24V/20.2W			GL-ADM225315IR-24	●	24V/58.9W		
GL-ADM90315R-24	●	24V/23.6W			GL-ADM225360R-24	●	24V/67.2W	41	41
GL-ADM90315W/B/G-24	○ ● ●	24V/33.0W		25	GL-ADM225360W/B/G-24	○ ● ●	24V/94.1W		
GL-ADM90315IR-24	●	24V/23.6W			GL-ADM225360IR-24	●	24V/67.2W		
GL-ADM90360R-24	●	24V/26.9W			GL-ADM270270R-24	●	24V/60.5W	42	42
GL-ADM90360W/B/G-24	○ ● ●	24V/37.7W		26	GL-ADM270270W/B/G-24	○ ● ●	24V/84.7W		
GL-ADM90360IR-24	●	24V/26.9W			GL-ADM270270IR-24	●	24V/60.5W		
GL-ADM135135R-24	●	24V/15.2W			GL-ADM270315R-24	●	24V/70.6W	43	43
GL-ADM135135W/B/G-24	○ ● ●	24V/21.2W	330	27	GL-ADM270315W/B/G-24	○ ● ●	24V/98.8W		
GL-ADM135135IR-24	●	24V/15.2W			GL-ADM270315IR-24	●	24V/70.6W		
GL-ADM135180R-24	●	24V/20.2W			GL-ADM270360R-24	●	24V/80.7W	44	44
GL-ADM135180W/B/G-24	○ ● ●	24V/28.3W		28	GL-ADM270360W/B/G-24	○ ● ●	24V/112.9W		
GL-ADM135180IR-24	●	24V/20.2W			GL-ADM270360IR-24	●	24V/80.7W		
GL-ADM135225R-24	●	24V/25.2W			GL-ADM315315R-24	●	24V/82.4W	45	45
GL-ADM135225W/B/G-24	○ ● ●	24V/35.3W		29	GL-ADM315315W/B/G-24	○ ● ●	24V/115.3W		
GL-ADM135225IR-24	●	24V/25.2W			GL-ADM315315IR-24	●	24V/82.4W		
GL-ADM135270R-24	●	24V/30.3W			GL-ADM315360R-24	●	24V/94.1W	46	46
GL-ADM135270W/B/G-24	○ ● ●	24V/42.4W		30	GL-ADM315360W/B/G-24	○ ● ●	24V/131.8W		
GL-ADM135270IR-24	●	24V/30.3W			GL-ADM315360IR-24	●	24V/94.1W		
GL-ADM135315R-24	●	24V/35.3W			GL-ADM360360R-24	●	24V/107.6W	47	47
GL-ADM135315W/B/G-24	○ ● ●	24V/49.4W		31	GL-ADM360360W/B/G-24	○ ● ●	24V/150.6W		
GL-ADM135315IR-24	●	24V/35.3W			GL-ADM360360IR-24	●	24V/107.6W		
GL-ADM135360R-24	●	24V/40.4W							
GL-ADM135360W/B/G-24	○ ● ●	24V/56.5W		32					
GL-ADM135360IR-24	●	24V/40.4W							

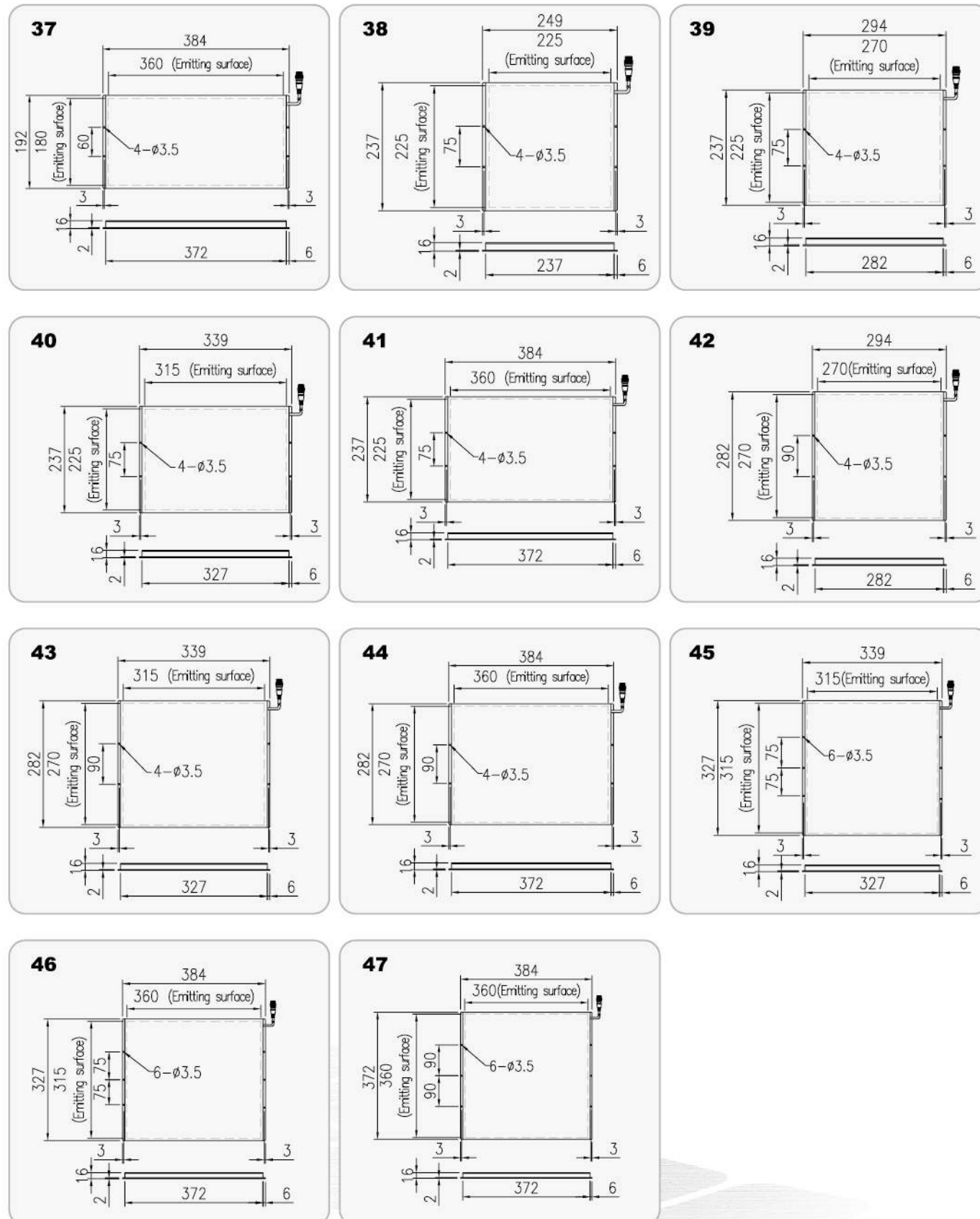
Dimensional Diagrams(mm)







Robotic Arms Series



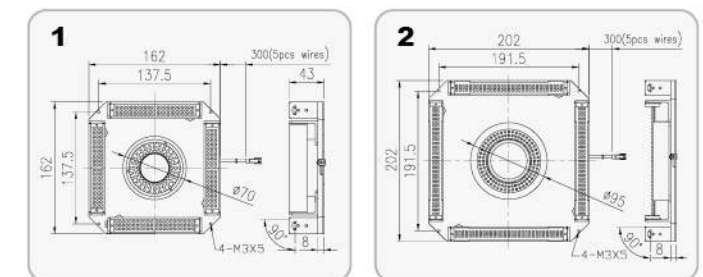
Features

1. Applied with the robotic arms for inspection.
2. 360° shadow-free illumination in high-luminance LEDs deployed at high density.
3. Allow oblique lighting from all angle to suit the objects, with high-intensity luminance LEDs arranged in a bar configuration.
4. Supply four sides combination in a bar device to broad range of lighting by illuminating the object with angle-adjustable bars.
5. The central ring light makes the illuminance evenly for the whole set lighting while inspection.

Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-RB01W	○	24V/21.35W	630.5	1
GL-RB02W	○	24V/35.42W	970.5	2

Dimensional Diagrams(mm)



Major applications

1. Positioning for substrates and printed boards, inspection for chip components.
2. Fabrication substrates crack inspection, metal board surface inspection.
3. Identify for multiple shapes.
4. Identify size measurement and shape for electronic parts.

Multi-Angle Direct Ring Series



Features

1. 360° shadow-free illumination in high-luminance LEDs deployed at high density.
2. Three different angles which are 30°, 60° & 90°.
3. The ring light for each angle can be controlled individually.
4. LED lighting for a wide range of applications.
5. Easily to adjust and control each different angle according to the inspection requirement.

Major applications

1. Liquid crystal adjustment, and plastic container inspection.
2. IC impress inspection.
3. Identify for multiple shapes.
4. Identify size measurement and shape for electronic parts.

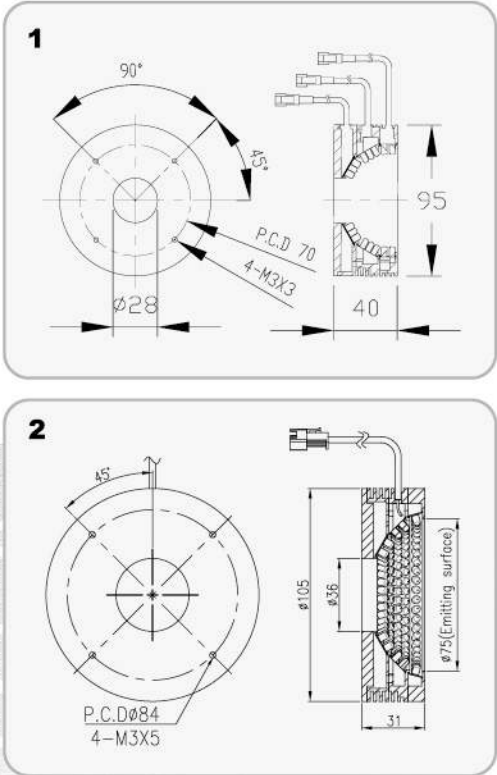
Model explanation

GL-MADR□□△△○○8C
 □ — External diameter of the ring
 △ — Internal diameter of the ring
 ○ — Color

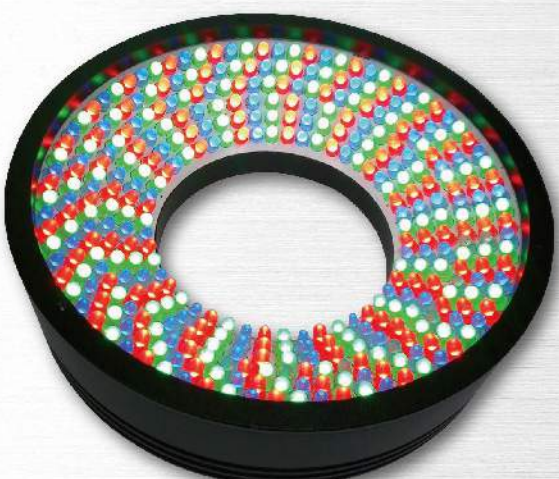
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-MADR9528W/B/G8C-24	○ ● ●	24V/20.16W	315.6	1
GL-MADR10536R-24	●	24V/4.8W		2
GL-MADR10536B-24	●	24V/9.68W		

Dimensional Diagrams(mm)



Triple Color Series



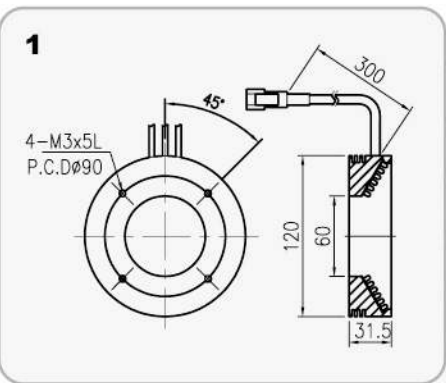
Features

1. It enables dimming each color independently
2. Choose the colors as user want
3. 360° illumination from a low angle without reflection. Specially for slightly uneven surfaces and scratches

Major applications

1. BGA solder ball position, shape and area in inspection
2. Inspection of wafers or glass substrates for scratches and stain
3. Reading laser engraving
4. Edge detection and defect inspection

Dimensional Diagrams(mm)



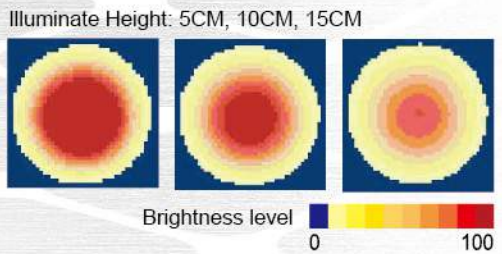
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-DR12060RGB-24	● ● ●	24V/13.44W	434	1

Model explanation

GL-DR □□△△○○○-24
 □ — External diameter of the ring
 △ — Internal diameter of the ring
 ○ — Color

Luminous intensity distribution characteristics





Multicolor Series



Features

1. GL-HLV2-32RGB enables dimming each color independently
2. Choose the colors as user want.with less installation height

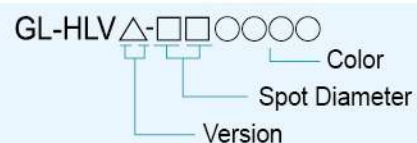
Major applications

1. Coaxial lighting for highly reflective surfaces , such as wafers, metal surfaces, liquid-crystal and glass material
2. Mounted on movable modules

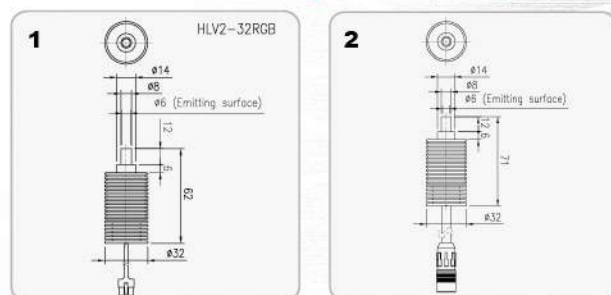
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-HLV2-32RGB	●●●	350mA/1W	76	1
GL-HLV2-32WRGB	○●●●	350mA/1W	76	2

Model explanation



Dimensional Diagrams(mm)



Features

1. It enables dimming each color independently
2. Choose the colors as user want

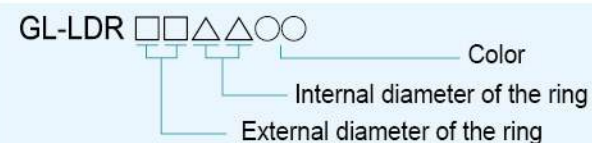
Major applications

1. BGA solder ball position, shape and area in inspection
2. Inspection of wafers or glass substrates for scratches and stain
3. Reading laser engraving
4. Edge detection and defect inspection

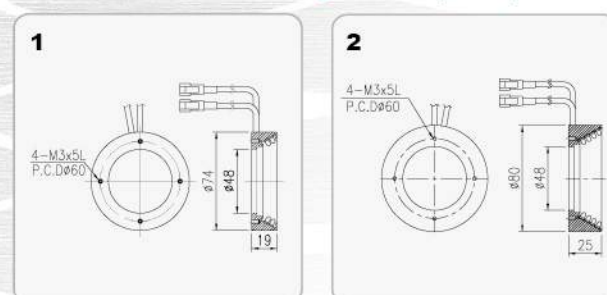
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-LDR7448 BW	○●	12V/5.8W	81	1
GL-LDR8048 BW	○●	12V/11.6W	81	2

Model explanation



Dimensional Diagrams(mm)



Ultraviolet(UV) Series



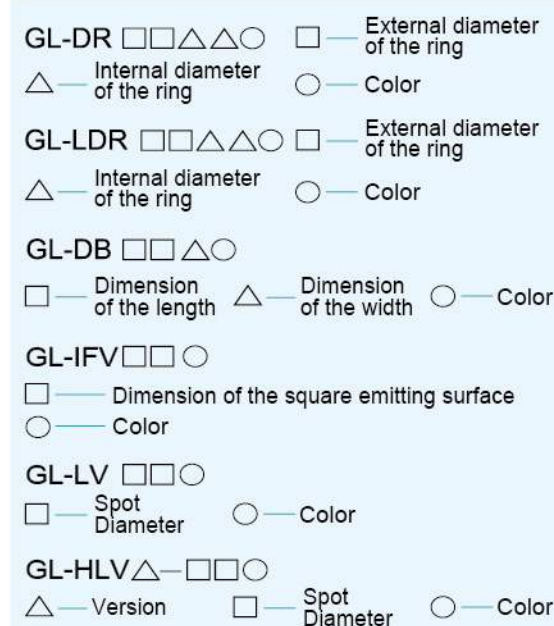
Features

1. A peak emission wavelength of 365 nm
2. Provide image recognition at high contrast
3. Capture the surface of the object more clearly than with visible light

Major applications

1. Photography use in the difference in the scattering rate
2. Use with a CCD camera supporting the ultraviolet ray range
3. Detection of dirt on glass substrates and dust on CCD devices
4. Scan the image of the QR Code

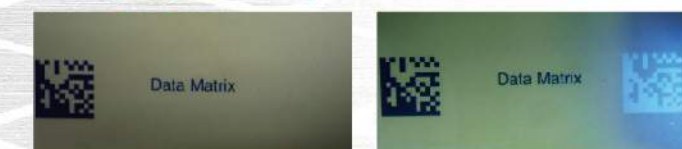
Model explanation



Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GL-IFV34UV-24	●	24V/4.8W	132	1
GL-IFV40UV365-24	●	24V/3.9W	184	2
GL-IFV40UV-24	●	24V/5.8W		
GL-LV14UV365-24	●	24V/0.48W	16	3
GL-HLV2-24UV365-1W	●	350mA/1W	55	4
GL-HLV2-28UV365	●	350mA/1W	55	5
GL-DB2-6030UV-24	●	24V/4.3W	68	6
GL-DB2-6030UV365-24	●	24V/3W		
GL-DB2-31030UV365-24	●	24V/10.3W		7
GL-DR2-6030UV365-24	●	24V/2.3W	67	8
GL-DR2-10030UV365-24	●	24V/7.2W	219	9
GL-IFV2-20UV-24	●	24V/1.7W	56	10
GL-IFV2-20UV395-24	●	24V/1.7W		
GL-IFV2-34UV-24	●	24V/3.9W	150	11
GL-IFV2-34UV395-24	●	24V/3.9W		
GL-LDR2-10068UV365-24	●	24V/10.3W		12

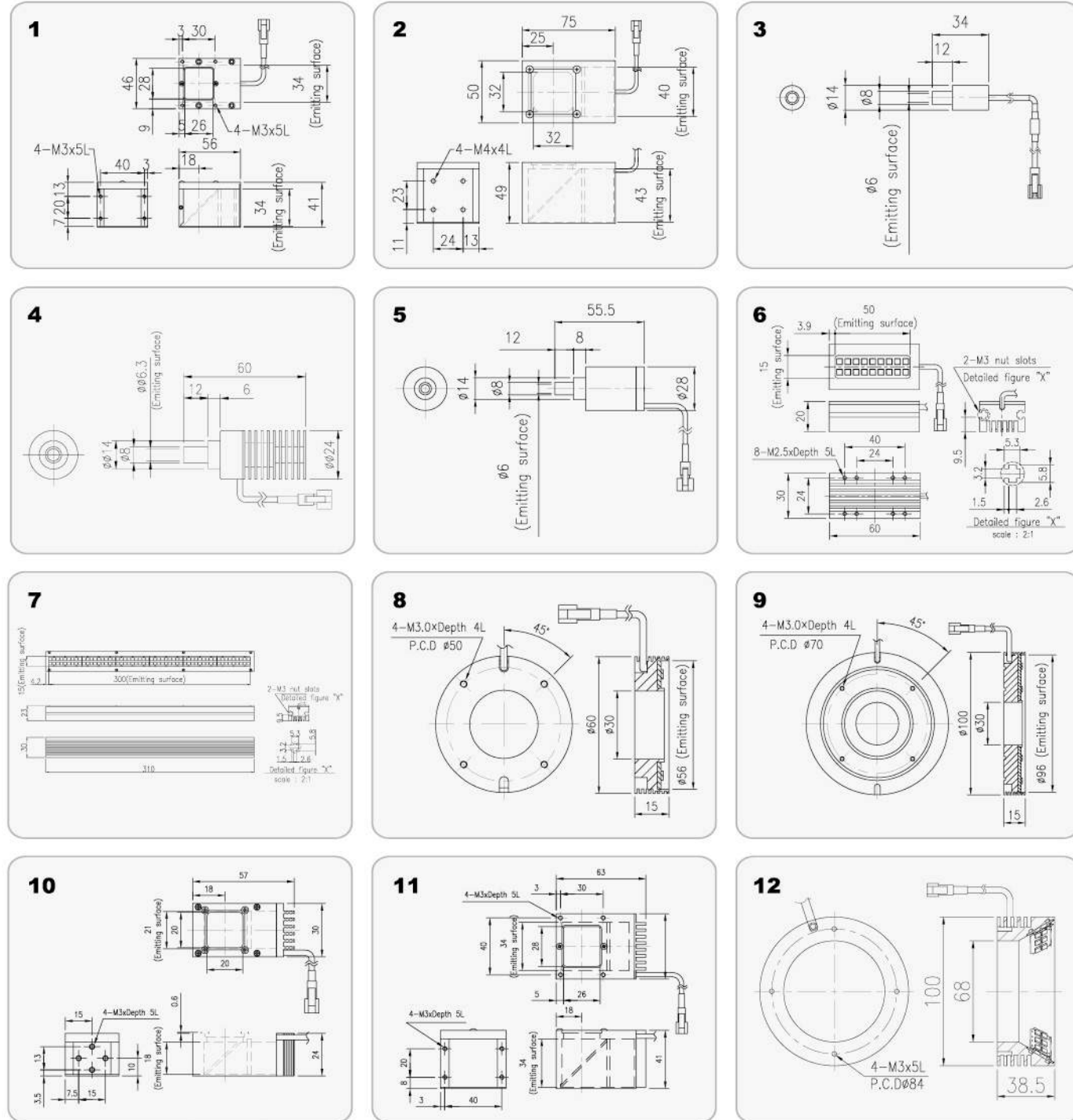
Imaging examples



Micro QR Code & Data Matrix

The QR code can be scanned and the image is visible under UV.

Dimensional Diagrams(mm)



Ring Light for Microscopes



Features

1. Compact size, LED lighting and high resolution built-in dimmer are all in one.
2. Fully adjustable dimmer with high resolution can provide high uniformity and stability.
3. Life time is over 10000 - 30000 hours, non-heating, non-flickering, can replace fluorescent and halogen.
4. Diffusion Board (AL-MC9050-DP) can be provided to reduce high reflective interference.
5. High resolution dimmer with non-tier adjustment buttons to provide high uniformity and stability.
6. CE & Rohs compliance.

Major applications

1. Electronic Industry
2. Pharmaceutical Industry
3. Semi-conductor/TFT industry
4. Measurement equipments

Model explanation

GL-MC ☐ ☐ ☐ ☐

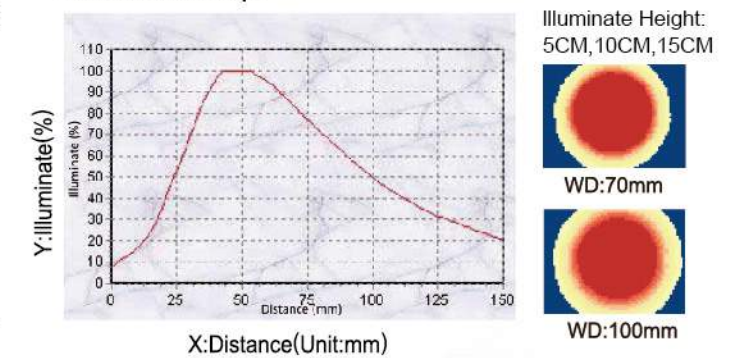
- External diameter of the ring
- Internal diameter of the ring

Available Models

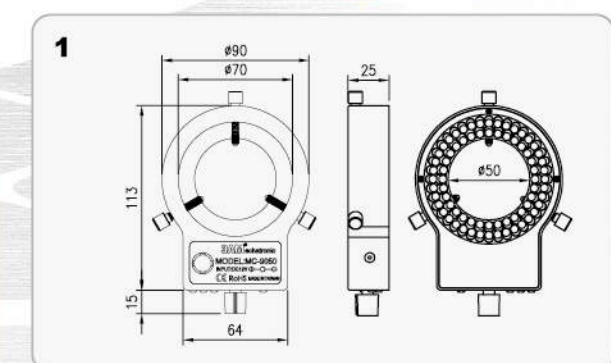
Model	Color	Power Consumption	Weight (g)	Dimension
GL-MC9050W/B (US AC Adapter)	 	6W	100	1

Luminous intensity distribution characteristics

GL-MC9050W Graph



Dimensional Diagrams(mm)





Ring Light with 4 Segments



Features

1. 360° shadow-free illumination in high-luminance LEDs deployed at high density
2. Choose the four different section as user want

Major applications

1. Positioning for substrates and printed boards, inspection for chip components
2. Liquid crystal adjustment, plastic container inspection
3. IC impress inspection

Model explanation

GL-DR □□△△○

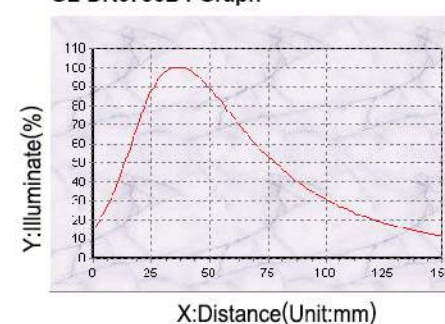
- External diameter of the ring
- △ Internal diameter of the ring
- Color

Available Models

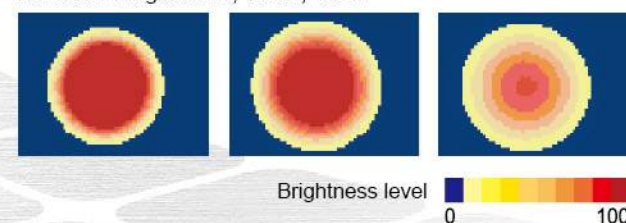
Model	Color	Power Consumption	Weight (g)	Dimension
GL-DR6736B4	●	12V/ 4.75W	83	1
GL-DR6746B4	●	12V/ 4.75W		2
GL-DR2-9050B4	●	12V/11.52W	162	3

Luminous intensity distribution characteristics

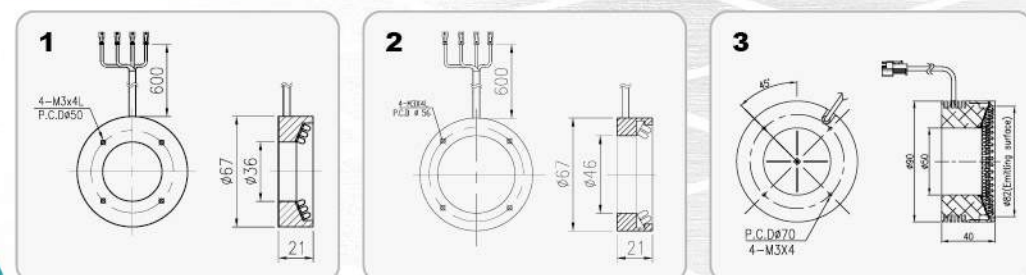
GL-DR6736B4 Graph



Illuminate Height: 5CM, 10CM, 15CM



Dimensional Diagrams(mm)



LED UV Irradiation Curing Device



Features

1. No thermal radiation
2. Shortening working hours
3. Small volume and lightweight design
4. Green energy reduce environmental burden
5. Provide high power ultraviolet light instantaneously without preheat
6. Reduce lamp replacement working hours and costs

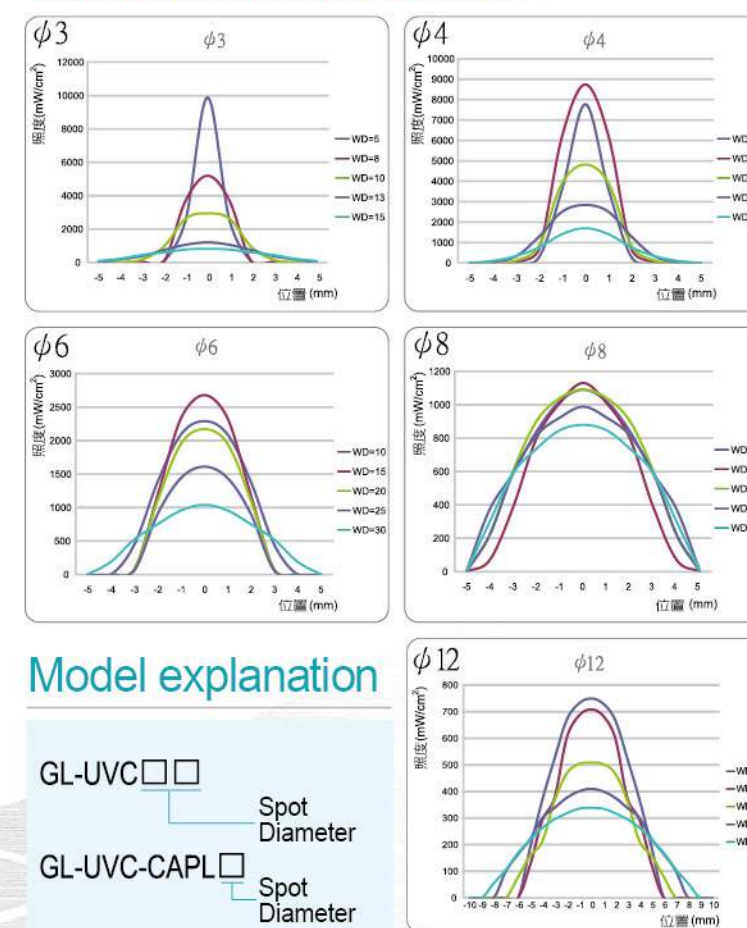
Major applications

1. Electronic Industry
2. Glass Industry
3. Optics & Photonics Industry
4. Pharmaceutical Industry
5. Sophisticated Processing

Practical applications

1. High-quality Hardening (Drying) of Ink
2. High-accuracy Adhesion
3. Simultaneous Multipoint Adhesion

Luminous intensity distribution characteristics



Model explanation

GL-UVC □□
GL-UVC-CAPL □
Spot Diameter
Spot Diameter

Handy Dimmer



Available Models

Power Model	Power Requirement	Ampere	Connector	Output Type	Weight (g)
GLC-PI165	AC100V~AC240V 33VA	650mA	SMP-03V*1	Current control	580

Available Models

Head Unit Model	GL-UVC12				
Lens Unit Model	GL-UVC-CAPL3	GL-UVC-CAPL4	GL-UVC-CAPL6	GL-UVC-CAPL8	GL-UVC12
Dimension	1	2	3	4	5
Wavelength	365nm / 385nm				
LED Service Life	30,000hr				
Spot Diameter	φ 3mm	φ 4mm	φ 6mm	φ 8mm	φ 12mm
Recommended Working Distance	8mm	6mm	15mm	15mm	30mm
Peak Illumination (mW/cm ²)	9800/11800	8700/10500	2600/3200	1100/1400	700/900
Steady-State Illumination (mW/cm ²)	5000/6000	5100/6200	1900/2300	1000/1200	400/500
Power Consumption	650mA/2.6W				
Ambient Humidity Range	30~80%				
Ambient Temperature Range	5~35°C				
Material	Aluminum, Glass				
Weight	1.4g	1.4g	1.2g	1.2g	32.2g

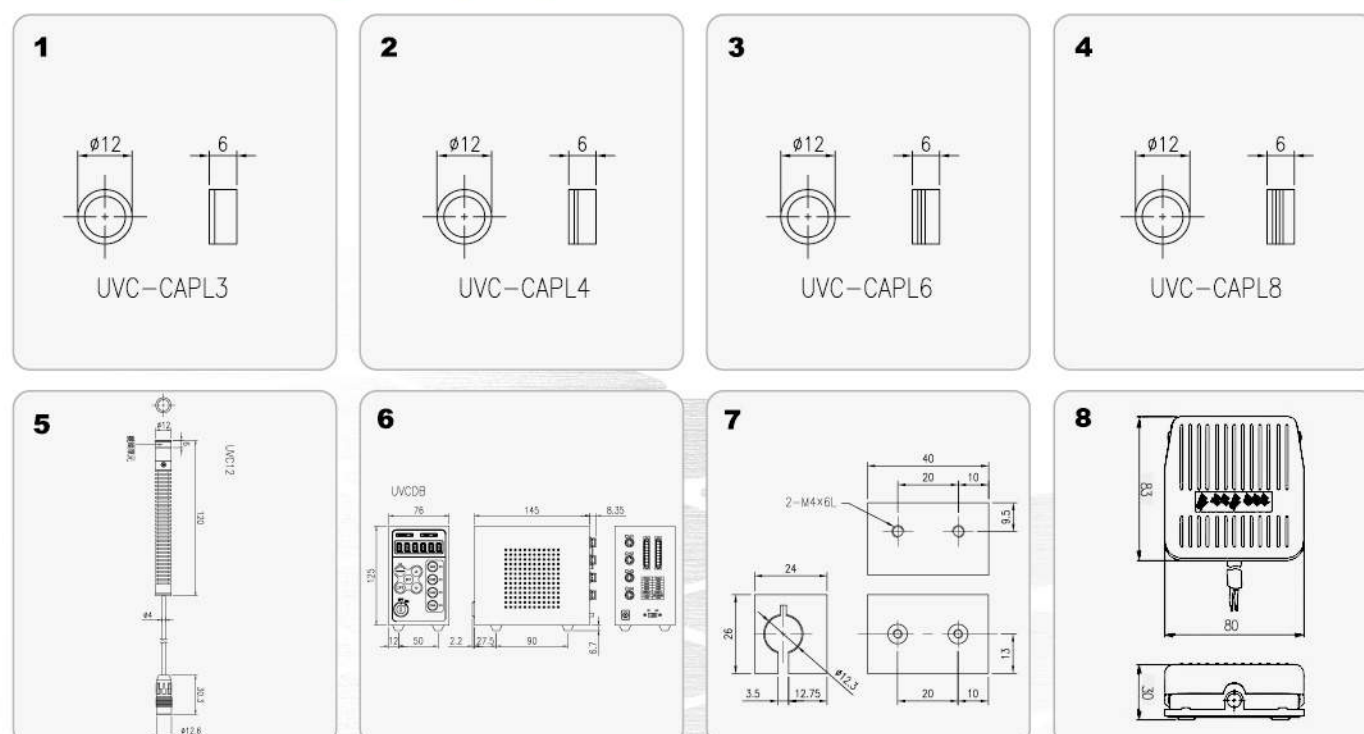
Dimmer

Model	GLC-UVCDB
Dimension	6
Irradiation Method	Irradiation Illumination power (0-100%), Illumination time (max. 99.9sec/unlimited)
Cumulative Illumination Summation	Cumulative illumination summation
Terminal Block I/O	Input
	Emergency shutdown, UV illumination start/stop (All channels/4-channel))
Terminal Block I/O	Output
	Ready output (all-channels /4-channel), error output, operating
Cooling Method	Air cooled (no fan)
Power Consumption	AC100~240V
Output	650mA/CH
Ambient Temperature Range	+5~+35°C
Ambient Humidity Range	30~85%
Material	SPCC
Weight	935g

Optional Accessories

Model	AL-UVC-GRIP	ALC-TFS201
Dimension	7	8

Dimensional Diagrams(mm)



Special Lighting

LED UV Irradiation Bar Curing Device



Features

1. No thermal radiation
2. Shortening working hours
3. Low energy consumption and low maintenance requirements, ideal for fully automated production lines
4. Optimized ratio of installation size

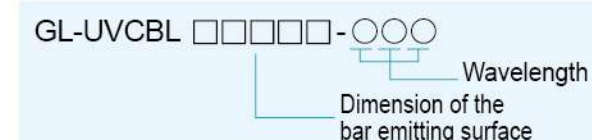
Major applications

1. Electronic Industry
2. Glass Industry
3. Optic & Photonics Industry
4. Pharmaceutical Industry
5. Sophisticated Processing

Practical applications

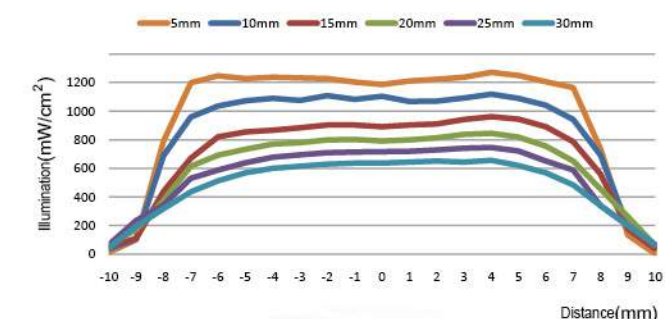
1. Glass bonding
2. Display bonding
3. High-accuracy Adhesion

Model explanation



Luminous intensity distribution characteristics

GL-UVCBL-16020-365



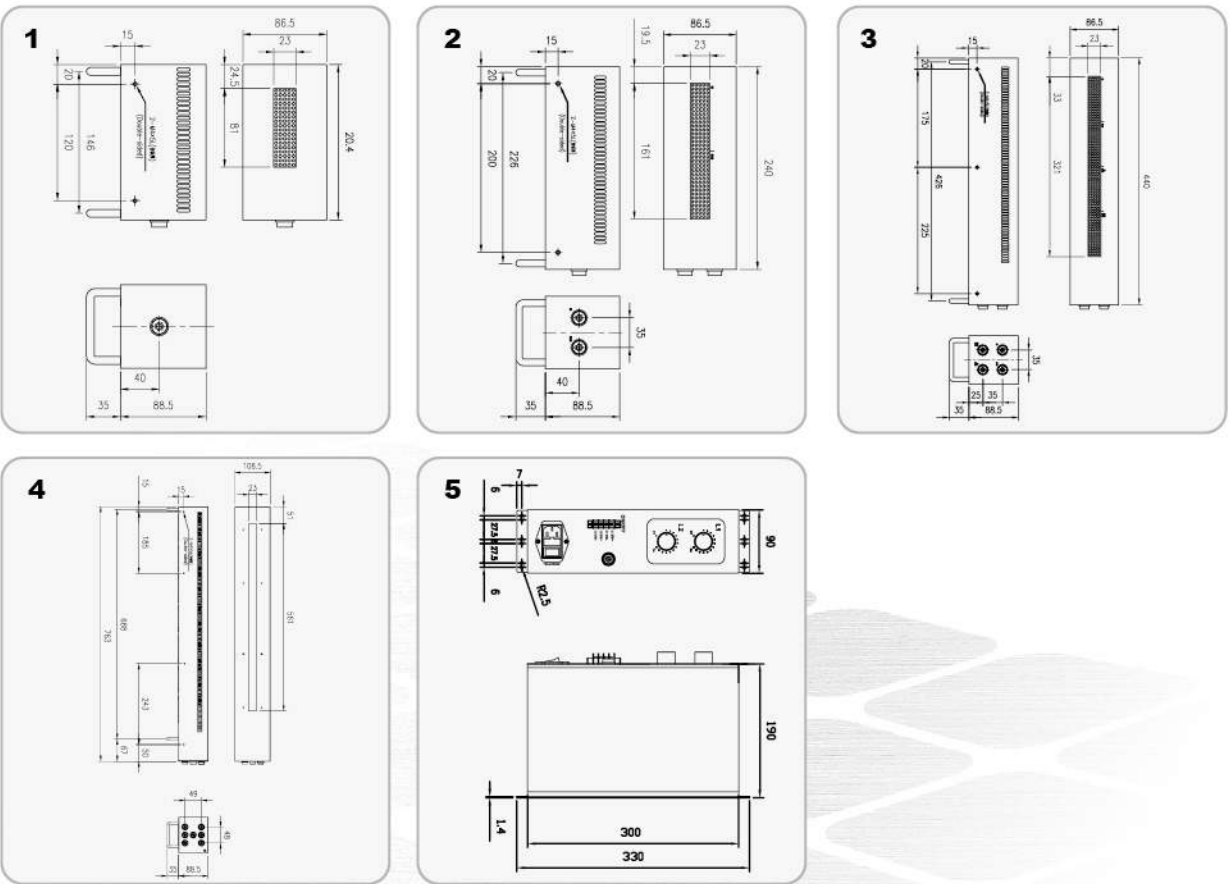
Model explanation

Model	GL-UVCBL8020-XXX	GL-UVCBL16020-XXX	GL-UVCBL32020-XXX	GL-UVCBL56020-365
Dimension	1	2	3	4
Wavelength	365/385/405nm			365nm
LED Service Life	30,000hr	30,000hr	30,000hr	30,000hr
Illumination Area	80mm*20mm	160mm*20mm	320mm*20mm	560mm*20mm
Peak Illumination (mW/cm ²)	1000/1200/1400	1000/1200/1400	1000/1200/1400	1000
Power Consumption	5A	10A	20A	35A
Ambient Temperature Range	0~35°C	0~35°C	0~35°C	0~35°C
Ambient Humidity Range	0~80%RH	0~80%RH	0~80%RH	0~80%RH
Material	SECC	SECC	SECC	SECC
Weight	1317g	2260g	4300g	
Cooling Method	Air cooled with fan	Air cooled with fan	Air cooled with fan	Air cooled with fan

Dimmer

Model	GLC-UVCDBL
Dimension	5
Irradiation Method	Irradiation Illumination power(0% to 100%), illumination time (max. 999 sec/unlimited)
Dimmer Control	ON/OFF Control
Cooling Method	Air cooled
Power Supply Voltage	AC100~240V 50/60HZ
Power Consumption	2.5A×2
Ambient Temperature Range	0~35°C
Ambient Humidity Range	0~80%RH
Material	SECC
Weight	4800g

Dimensional Diagrams(mm)



Special Lighting

LED UV Irradiation Area Curing Device



Features

1. Low energy consumption and low maintenance requirements, ideal for fully automated production lines
2. Lifetime: More than 30,000 hr
3. Evenly distributes intensity on large areas
4. Optimized ratio of installation size

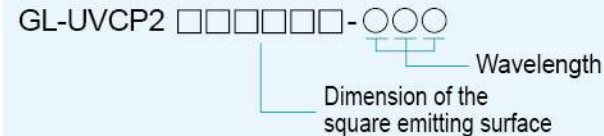
Major applications

1. Electronic Industry
2. Glass Industry
3. Optic & Photonics Industry
4. Pharmaceutical Industry
5. Sophisticated Processing

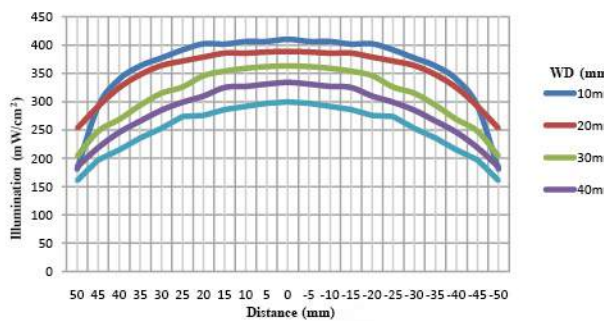
Practical applications

1. Glass bonding
2. Display bonding
3. Large-area bondings requiring even, low-tension curing

Model explanation



Luminous intensity distribution characteristics



Model explanation

Model	GL-UVCP2-100100-365
Dimension	1
Wavelength	365nm
LED Service Life	30,000hr
Illumination Area	106*106mm
Peak Illumination	415mw/cm ² @ 1cm
Power Consumption	7.5A MAX.
Ambient Temperature Range	5~25°C
Ambient Humidity Range	30~80%
Material	AL, SPCC, GLASS
Weight	2500g
Cooling Method	Air cooled with fan

Dimmer

Model	GLC-UVCD2
Dimension	2
Dimmer Control	Manual control; ON/OFF
Cooling Method	Air cooled (no fan)
Power Supply Voltage	AC 100~240V 50/60Hz
Power Consumption	7.5A MAX.
Ambient Temperature Range	5~35°C
Ambient Humidity Range	30~80%
Material	SPCC
Weight	7300g

Special Lighting

LED Light Source



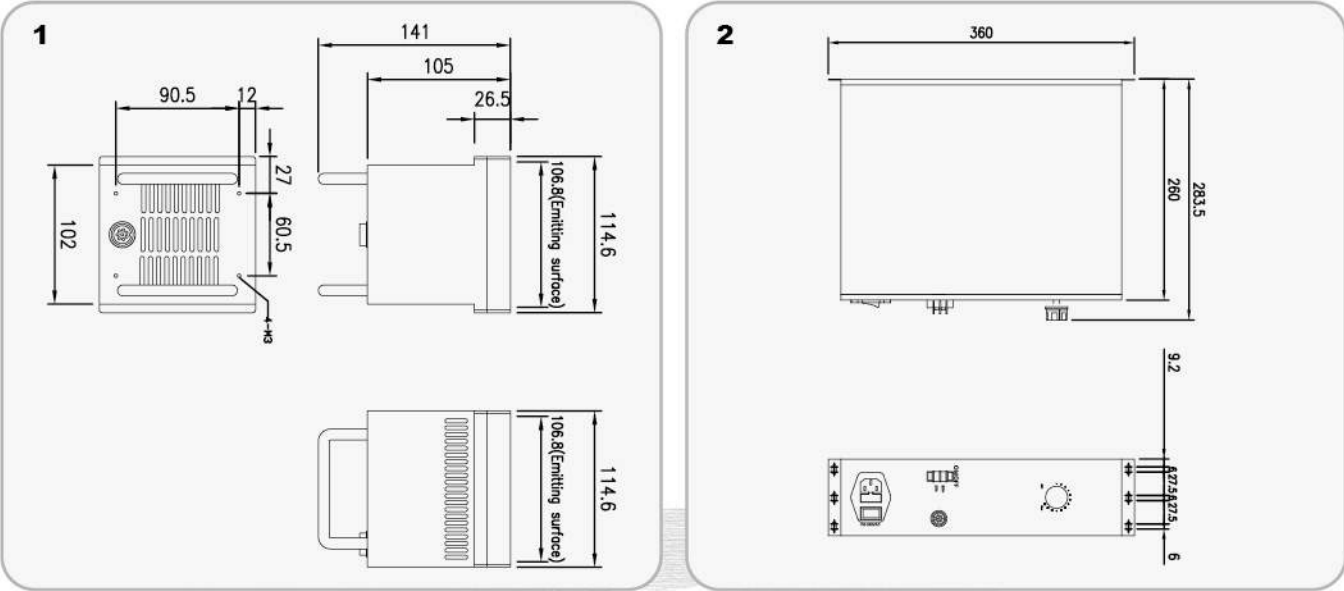
Features

- 1. Life time : Approx. 30,000hr
- 2. Low Consumption : 93.6W
Achieves illumination of approximately 350,000lx (WD: 20mm)
- 3. Provides stable brightness

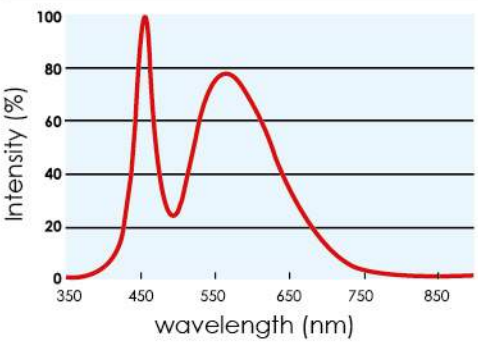
Available Models

Model	Color	Power Consumption	Weight (g)	Dimension
GLC-LFB2-150	●○●●	100W	1872	1
GLC-LFB250	○	170W	4112	2
GLC-LFB2-250	○	300W	5076	3

Dimensional Diagrams(mm)



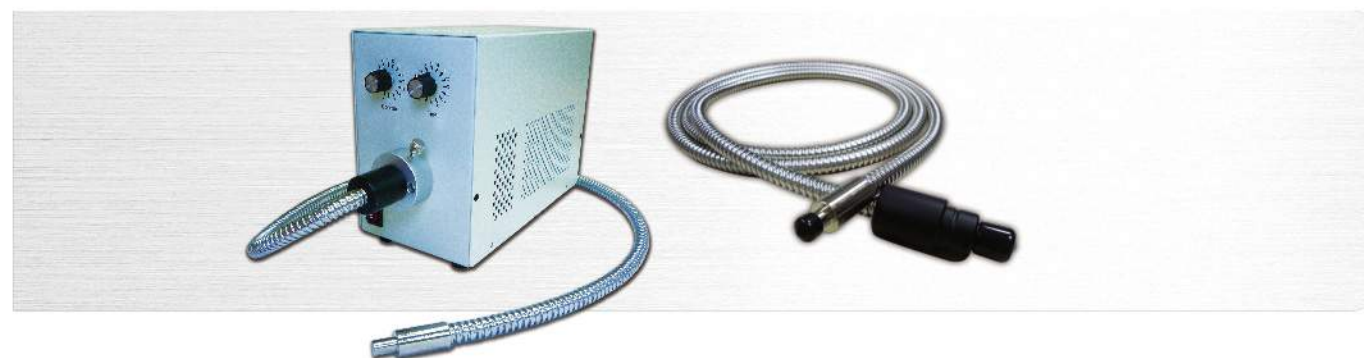
Spectral characteristics



Specification

Model	GLC-LFB2-150	GLC-LFB250	GLC-LFB2-250
Power Supply	100~240VAC	100~240VAC	100~240VAC
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz
Power Consumption	Max. 100W	Max. 170W	Max. 300VA
Color	Red/White/Blue/Green	White	White
Lux.	Approx 200,000 1x (WD:50mm)	Approx 440,000 1x (WD:50mm)	Approx 380,000 1x (WD:50mm)
Control Method	Internal	Adjust by Knob	Adjust by Knob
	External	AD	RS-232
Cooling Ambient	Ambient Temperature Range	5~35°C	5~35°C
	Ambient Humidity Range	30~80% RH	30~80% RH
Cooling Method	Air cooled with fan	Air cooled with fan	Air cooled with fan
Size	210 (L) x 100 (W) x 120 (H)	280 (L) x 180 (W) x 140 (H)	300 (L) x 180 (W) x 140 (H)
Weight		4122	

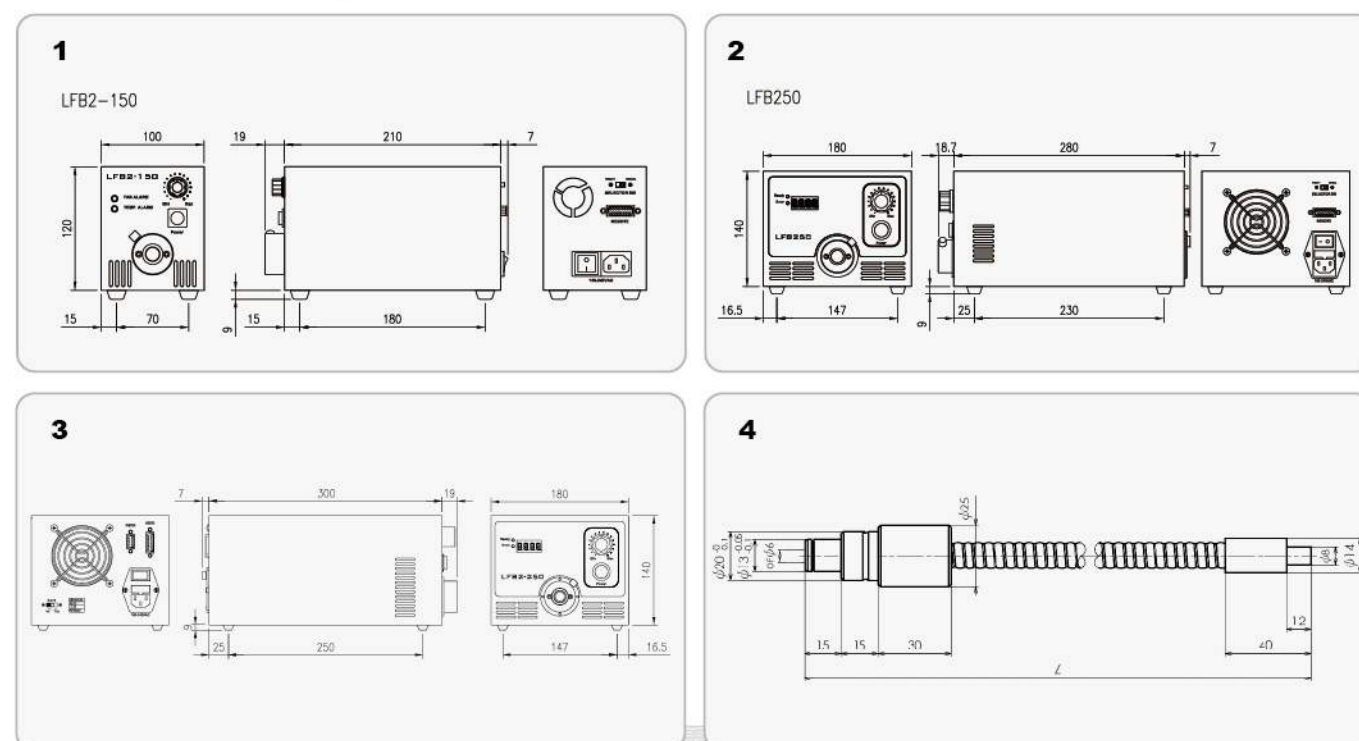
Fiber-optic Light Guide



Optional Accessories

Model	Spot Diameter	Length	Weight(g)	Dimension
ALC-SMFB-1M	φ 8mm	1 M	230	4
ALC-SMFB-2M	φ 8mm	2 M	290	

Dimensional Diagrams(mm)



Special Lighting

Parallel Light



Features

1. Focal length adjustable parallel lighting.
2. Improving lighting diffusion, ideal for outline inspection.
3. Wide range WD, best choice for long distance inspection.

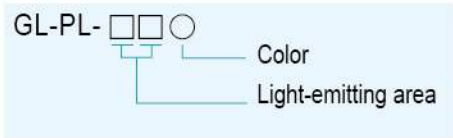
Major applications

1. Applied to slight defect detection.
2. Motor parts, electronic components or pill packing.
3. Gap inspection of soldering tin and connector.

Available Models

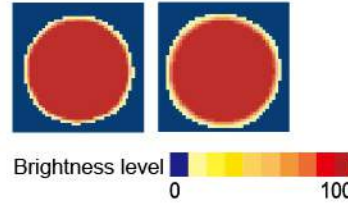
Model	Color	Power Consumption	Working Distance(mm)	Weight (g)	Dimension
GL-PL50R	●	700mA/3W	300-450	254	1
GL-PL50W/B/G	○ ● ●	700mA/3W			
GL-PL68R	●	650mA/7.5W	Refer to P.53	1110	2
GL-PL68W/B/G	○ ● ●	650mA/10.8W			
GL-PL2-26R	●	700mA/3W	23-46	267	3
GL-PL2-26W/B/G	○ ● ●	700mA/3W			
GL-PL2-36R	●	700mA/3W	36-72		4
GL-PL2-36W/B/G	○ ● ●	700mA/3W			
GL-PL2-48R	●	700mA/3W	43-86	416	5
GL-PL2-48W/B/G	○ ● ●	700mA/3W			
GL-PL2-64 R	●	700mA/3W	63-126	805	6
GL-PL2-64 W/B/G	○ ● ●	700mA/3W			
GL-PL2-80 R	●	700mA/3W	76-152	1531	7
GL-PL2-80 W/B/G	○ ● ●	700mA/3W			
GL-PL2-100 R	●	700mA/3W	86-172		8
GL-PL2-100 W/B/G	○ ● ●	700mA/3W			
GL-PL2-120 R	●	700mA/3W	93-186		9
GL-PL2-120 W/B/G	○ ● ●	700mA/3W			
GL-PL2-150 R	●	700mA/3W	100-200	5630	10
GL-PL2-150 W/B/G	○ ● ●	700mA/3W			
GL-PL2-190R	●	700mA/3W	110-220		11
GL-PL2-190W/B/G	○ ● ●	700mA/3W			
GL-PL2-240R	●	700mA/3W	135-270		12
GL-PL2-240W/B/G	○ ● ●	700mA/3W			

Model explanation

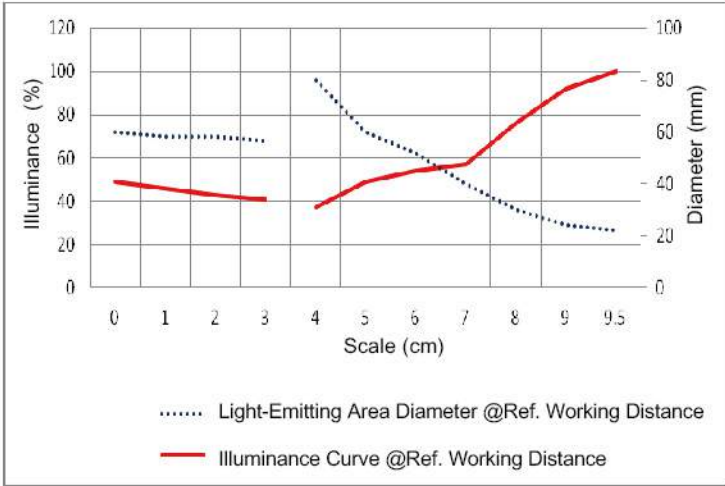


Luminous intensity distribution characteristics

PL68W Graph
Illuminate Height:5CM,10CM,15CM



GL-PL68 Illuminance Curve



Working distance & Lighting-emitting area

Scale(cm)	0	1	2	3	4	5	6	7	8	9	9.5
Ref. Working Distance(cm)	5	5	5	5	100	82	65	99	82	73	67
Light-Emitting-Area Diameter(cm)	72	70	70	68	80	60	52	40	30	24	22

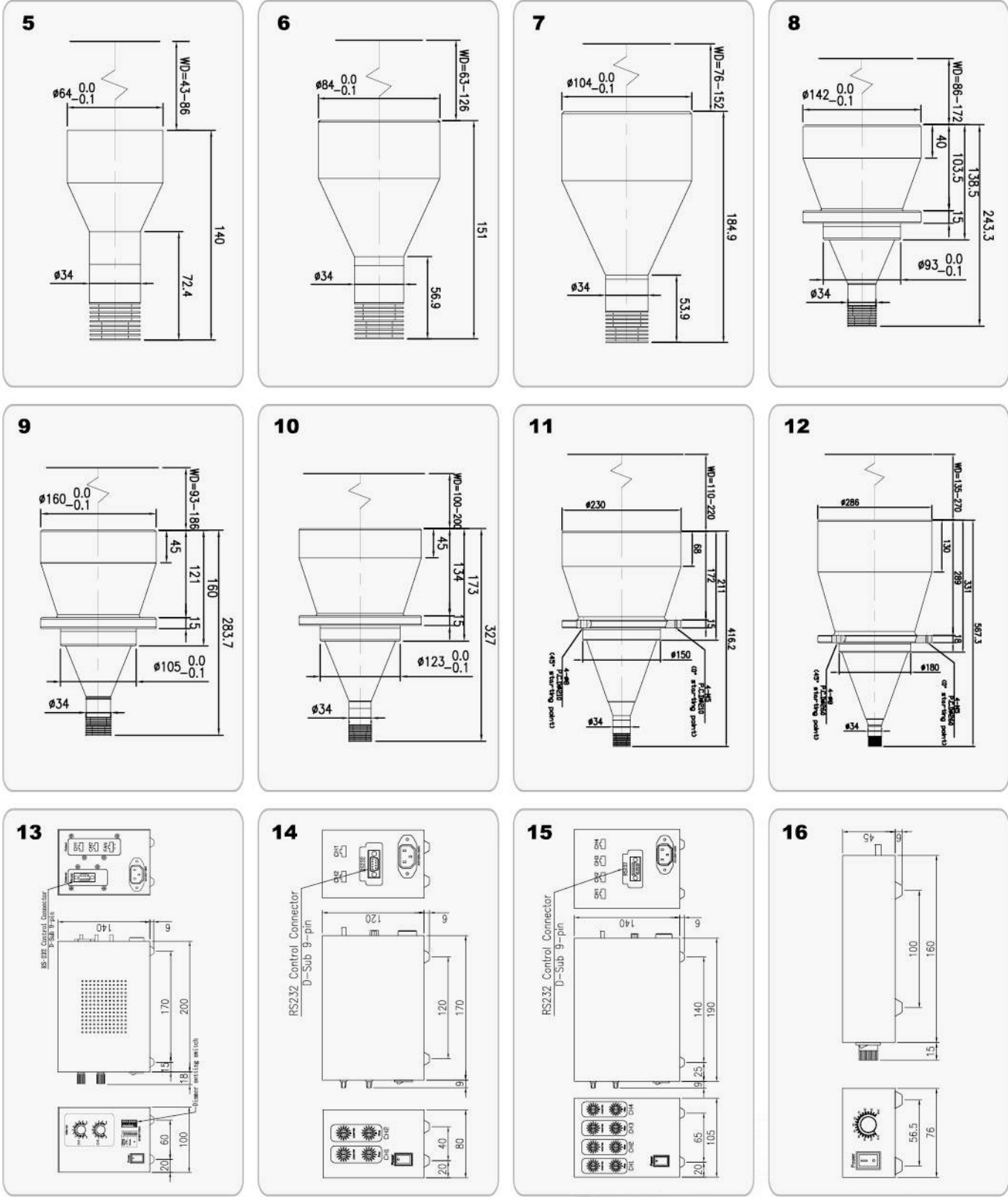
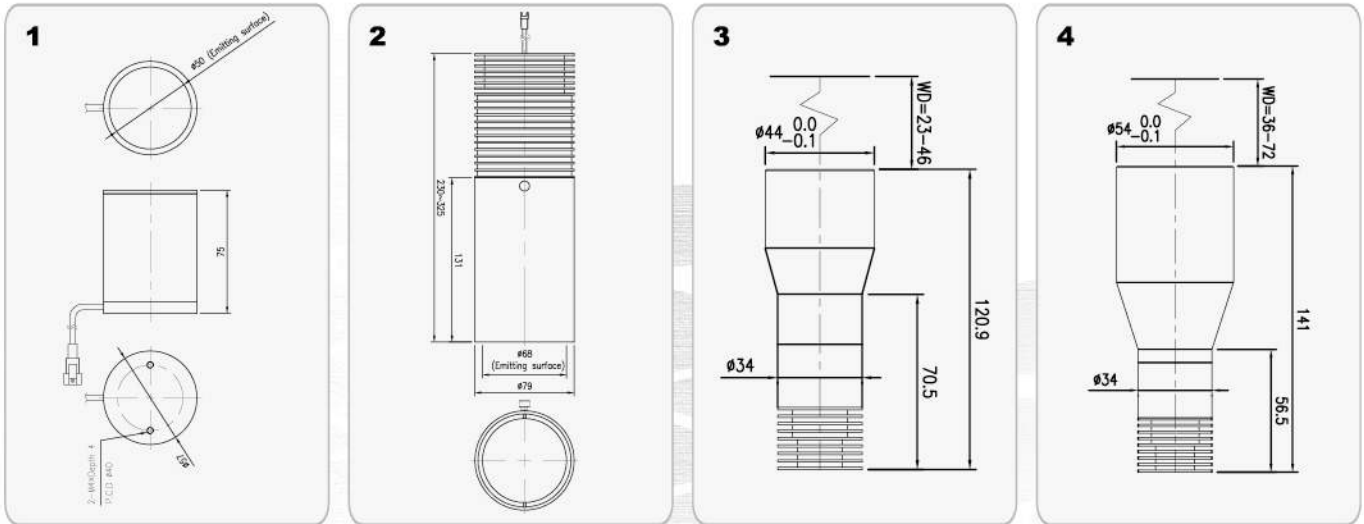
Dimmer for Parallel Light



Available Models

Power Model	Power Requirement	Ampere	Connector	Output Type	Dimension	Weight (g)
GLC-RPI650-RS232	AC100V~AC240V	650mA	SMP-03V*2	Current control	13	1922
GLC-DPI270-RS232		700mA			14	1030
GLC-DPI470-RS232	AC100V~AC240V	700mA	SMP-03V*4	Current control	15	1540
GLC-PI170			SMP-03V*1		16	580

Dimensional Diagrams(mm)



Bright Light



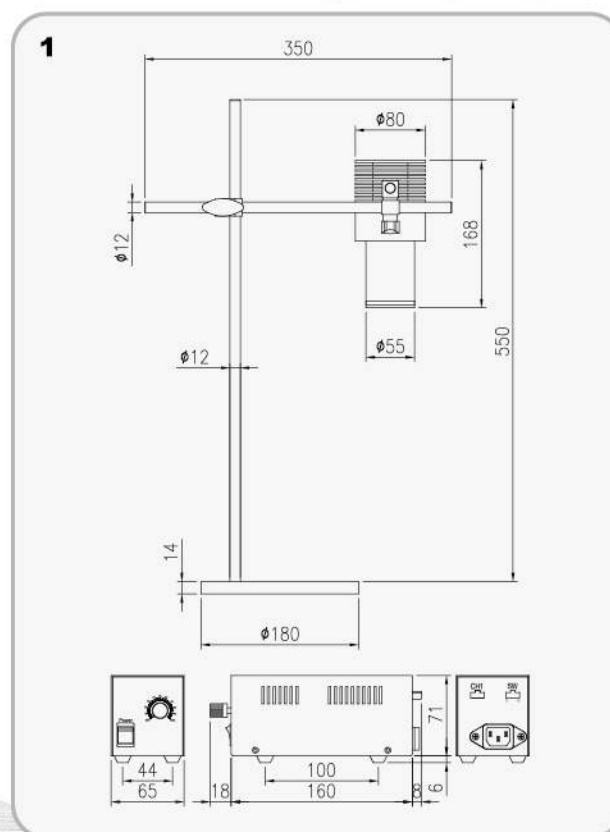
Available Models

Model	Color	Weight (g)	Dimension
GL-WA80W	○		1

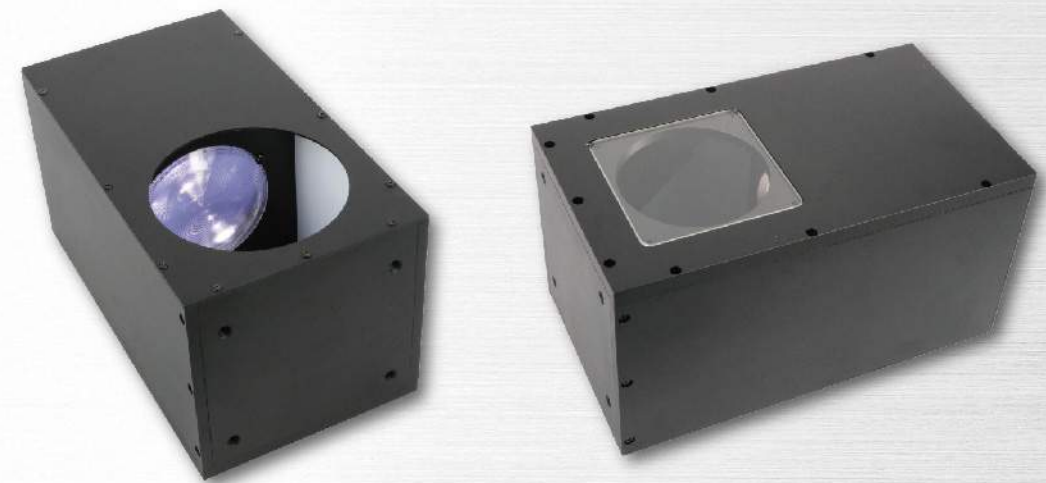
Specification

Power Supply	AC100-240V
AC Input Frequency	50/60HZ
Current	0.75A
Lux.	6KLUX min (WD: 600mm)
Spot Diameter	About 6~12inch (Focus adjustable)
Cooling Method	Air cooled with fan

Dimensional Diagrams(mm)



Parallel Coaxial Series



Features

1. Improving lighting diffusion, ideal for outline inspection
2. High precise performance on inspection
3. Applied to slight defect detection

Major applications

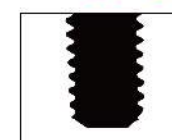
1. Motor parts, electronic components or pill packing
2. Gap inspection of soldering tin and connector

Model explanation

GL-PIFV□□○

□ — Light-emitting area ○ — Color

Imaging examples

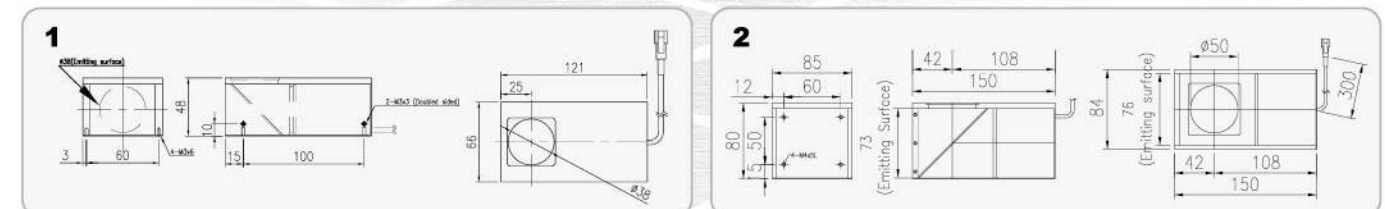


GL-PIFV50W
Screw Edge



GL-PIFV50W
Connector Characters

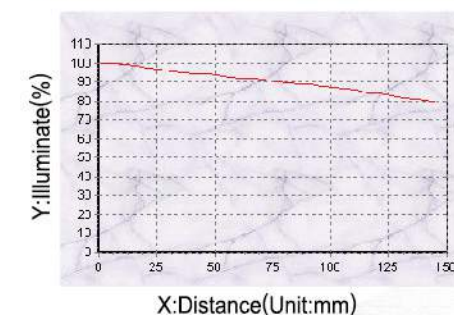
Dimensional Diagrams(mm)



Available Models

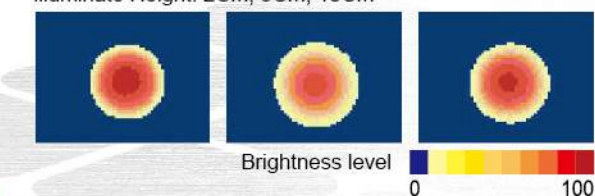
Model	Color	Power Consumption	Weight (g)	Dimension
GL-PIFV38R	●	700mA/3W		
GL-PIFV38W/B/G	○ ● ●	700mA/3W		1
GL-PIFV38IR	●	700mA/3W		
GL-PIFV50R	●	700mA/3W		
GL-PIFV50W/B/G	○ ● ●	700mA/3W	708	2
GL-PIFV50IR	●	700mA/3W		

Luminous intensity distribution characteristics



GL-PIFV50 Graph

Illuminate Height: 2CM, 5CM, 10CM



Brightness level
0 100

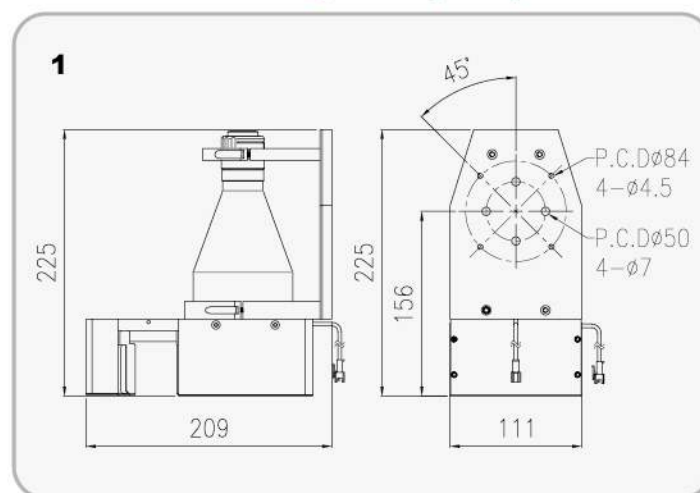
Telecentric lens for 4-side image at 90°



Available Models

Model		ALN-TCA11864
CCD type		1/2"
Object diameter (mm)		8mm Max.
Object height (mm)		32mm Max.
Wavelength range (nm)		450~650
wF/#		4.6
Width (mm)		111
Length (mm)		209
Height (mm)		225
Mount		C-Mount
Input Voltage (V)	Ring illumination	24
Power Consumption (W)		2.6
Input Voltage (V)	Coaxial illumination	24
Power Consumption (W)		12.96
Dimension		1
Weight		

Dimensional Diagrams(mm)



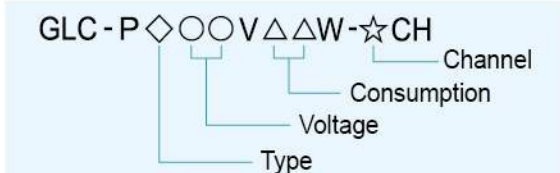
LED Power Dimmer



Major applications

1. Dual channel outputs independently controlled by each knob
2. Adjust the knob to change output value of voltage frequency
3. Dual channel outputs independence external ON/OFF controls button

Model explanation



24V10W Module Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PS2-24V10W-1CH	AC100V~AC240V	24V/10W	SMP-03V*1	Current control	1	426
GLC-PS2-24V10W-2CH			SMP-03V*2		2	464

12V12W PWM Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PP12V12W-1CH	AC100V~AC240V	12V/12W	SMP-02V*1	Pulse Width Modulation	3	711
GLC-PP12V12W-2CH			SMP-02V*2		4	711
GLC-PP12V12W-4CH			SMP-02V*4		5	1050

24V12W PWM Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PP24V12W-1CH	AC100V~AC240V	24V/12W	SMP-02V*1	Pulse Width Modulation	3	711
GLC-PP24V12W-2CH			SMP-02V*2		4	711
GLC-PP24V12W-4CH			SMP-02V*4		5	1050



GLC-PP12V30W-1CH

GLC-PP12V30W-2CH

GLC-PP12V30W-4CH

12V30W PWM Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PP12V30W-1CH	AC100V~AC240V	12V/30W	SMP-02V*1	A/D	6	737
GLC-PP12V30W-2CH			SMP-02V*2		7	737
GLC-PP12V30W-4CH			SMP-02V*4		8	1220

24V 30W PWM Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PP24V30W-1CH	AC100V~AC240V	24V/30W	SMP-03V*1	Pulse Width Modulation	9	711
GLC-PP24V30W-2CH			SMP-03V*2		10	711
GLC-PP24V30W-4CH			SMP-03V*4		11	1050



GLC-PD12V24W

GLC-PD12V24W-2CH

24V48W 256 Digital Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PD24V48W-1CH	AC100V~AC240V	24V/48W	M12	I/O	12	832
GLC-PD24V48W-2CH					13	1615

24V30W 256 Digital Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PD24V30W-1CH	AC100V~AC240V	24V/30W	SMP-03V*1	RS-232	14	890
GLC-PD24V30W-2CH			SMP-03V*2		15	1242
GLC-PD24V30W-4CH			SMP-03V*4		16	2090
GLC-PD24V30W-8CH			SMP-03V*8		17	3480



GLC-PD24V30W-1CH

24V 30W Ethernet Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PDE24V30W-1CH	AC100V~AC240V	24V/30W	SMP-03V*1	Ethernet	18	737
GLC-PDE24V30W-2CH			SMP-03V*2		19	737
GLC-PDE24V30W-4CH			SMP-03V*4		20	1220



GLC-PDE24V30W-2CH

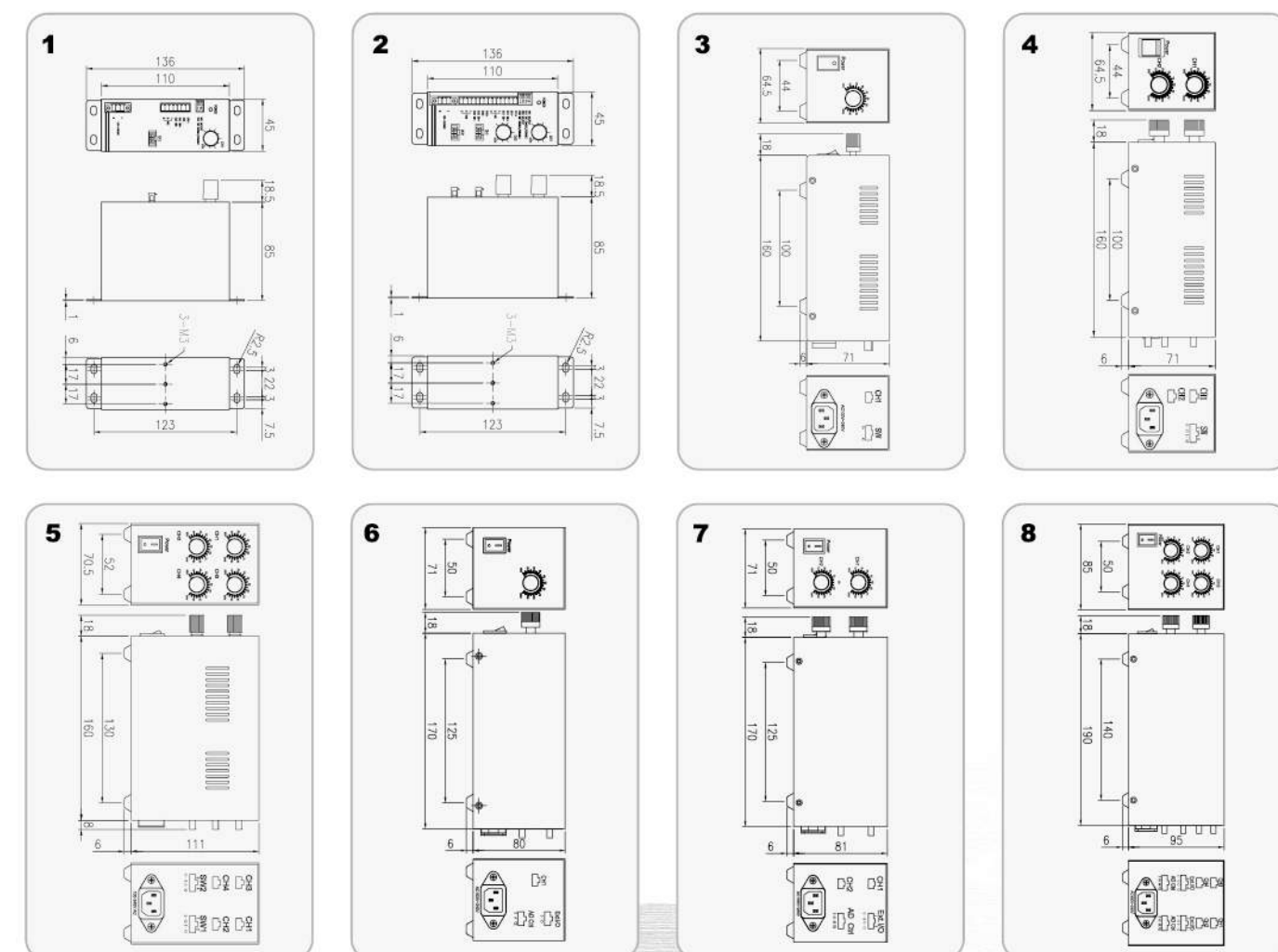
24V 54W 256 Digital Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PP24V54W-2CH	AC100V~AC240V	24V/54W	SMP-03V*2	RS-232 / Trigger	21	750
GLC-PP24V54W-4CH			SMP-03V*4			750

24V 100W 256 Digital Power Supply

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-PD24V100W-1CH	AC100V~AC240V	24V/100W	M12	RS-232	22	1512
GLC-PD24V100W-2CH					23	

Dimensional Diagrams(mm)





LED Strobe Power Dimmer



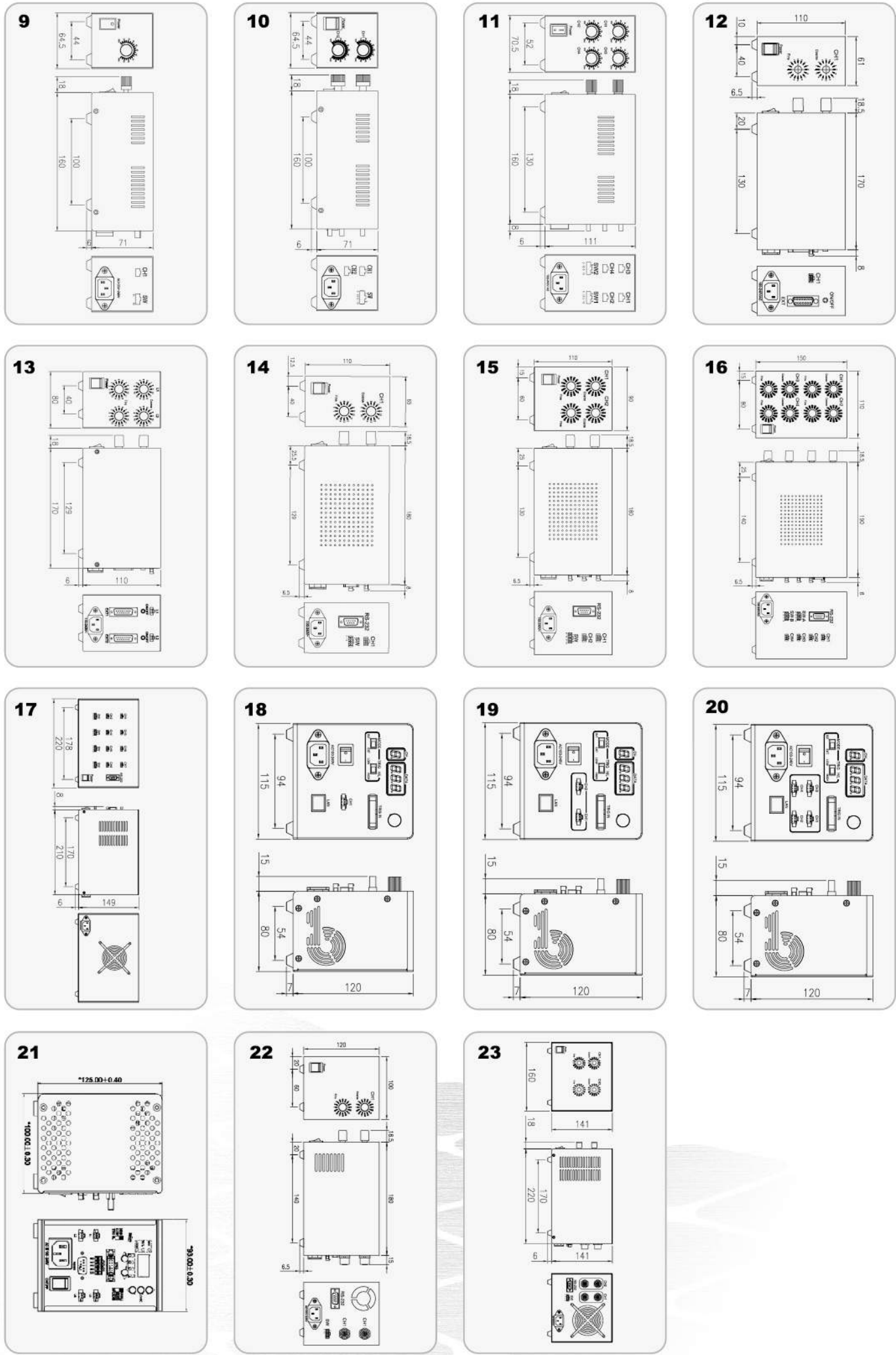
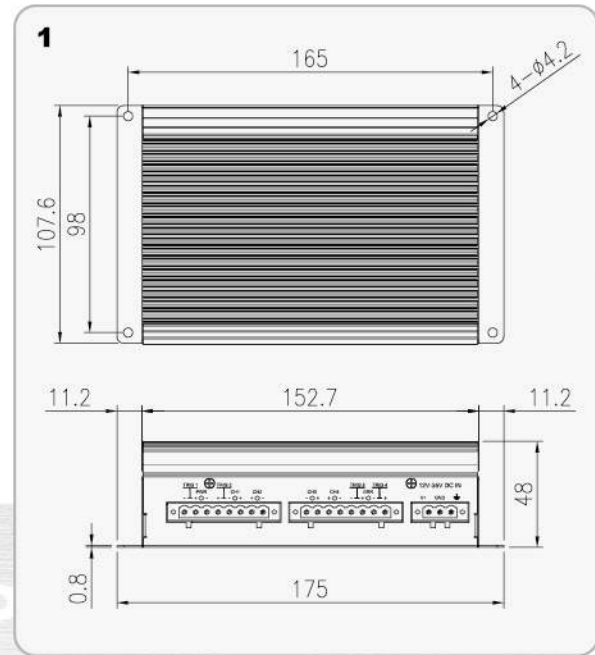
Available Models

Model	Power Consumption	Output	Connector	Output Type	Dimension	W(g)
GLC-STB-C2P10-2CH	AC100V~AC240V	12~35V/180W	SMP-03V*2	Ethernet	1	
GLC-STB-C2P10-4CH	AC100V~AC240V	12~35V/500W	SMP-03V*4	Ethernet		

Major applications

The external output can be adjusted to the Ethernet mode.

Dimensional Diagrams(mm)



Power Dimmer for LED Lights

LED Lights			GLC-PP12V12W Series	GLC-PP12V30W Series
Direct Lighting	Direct Ring Series	GL-DR3210	V	V
		GL-DR4218	V	V
		GL-DR5028	V	V
		GL-DR6736	V	V
		GL-DR7035	V	V
		GL-DR9050	V	V
		GL-DR12060	V	V
	Low Angle Direct Ring Series	GL-LDR4822	V	V
		GL-LDR7448	V	V
		GL-LDR10068	V	V
		GL-FDR7546	V	V
		GL-FDR8454	V	V
		GL-FDR12292	V	V
		GL-FDR156108	V	V
	Bar, Linear & Oblique Series	GL-DB3010	V	V
		GL-DB6020	V	V
		GL-DB11020	V	V
		GL-DB16020	V	V
		GL-DB21020	V	V
		GL-DB26020	V	V
		GL-DB31020	V	V
		GL-DB6034	V	V
		GL-DB11034	V	V
		GL-DB26034	V	V
		GL-DB6020-4	V	V
		GL-DB11020-4	V	V
Indirect Lighting	Shadowless Series	GL-PR6739	V	V
		GL-PR9058	V	V
		GL-PR136108	V	V
	Backlight Series	GL-ADM3030	V	V
		GL-ADM3060	V	V
		GL-ADM3090	V	V
		GL-ADM30120	V	V
		GL-ADM6060	V	V
		GL-ADM6090	V	V
		GL-ADM60120	V	V
		GL-ADM9090	V	V
		GL-ADM90120	V	V
		GL-ADM120120	V	V
	Square Series	GL-DSQ135135	V	V
		GL-DSQ315315	V	V
	Coaxial Series	GL-IFV20	V	V
		GL-IFV34	V	V
		GL-IFV40	V	V
		GL-IFV50	V	V
		GL-IFV70S	V	V
		GL-IFV70	V	V
		GL-IFV100	V	V
		GL-IFV100UT	V	V
	Shadowless Series & Large Dome Series	GL-DO5411	V	V
		GL-DO8454	V	V
		GL-DO12292	V	V
		GL-DO156108	V	V
		GL-DO266210	V	V
		GL-ADO8454	V	V
		GL-ADO12292	V	V
		GL-ADO156108	V	V
	Flat Dome Series	GL-FDO100	V	V
	Spot Light Series	GL-LV14	V	V
Special Lighting	Multicolor Series	GL-LDR7448BW	V	V
		GL-LDR8048BW	V	V
	UV Series	GL-LV14UV365	V	V
		GL-DB5229UV365	V	V
		GL-DB2-6030UV	V	V

LED Lights			GLC-PP12V12W Series	GLC-PP12V30W Series
Special Lighting	UV Series	GL-DB2-6030UV365	V	V
		GL-DR2-6030UV365	V	V
		GL-DR2-10030UV365	V	V
		GL-IFV2-20UV	V	V
		GL-IFV2-20UV-395	V	V
		GL-IFV2-34UV	V	V
		GL-IFV2-34UV-395	V	V

Power Dimmer for Spot Light

LED Lights			GLC-PI Series	GLC-DPI Series	
Indirect Lighting	Spot Light Series	GL-HLV28 GL-HLV2-28	GLC-PI1W	GLC-DPI235-RS232	GLC-DPI435-RS232
				GLC-DPI235-IO	GLC-DPI435-IO
		GL-HLV2-32 GL-HLV3-24	GLC-PI2W	GLC-DPI235-AD	GLC-DPI435-AD
				GLC-DPI250-RS232	GLC-DPI450-RS232
Special Lighting	Multicolor Series	GL-HLV2-32RGB GL-HLV2-32WRGB	GLC-PI1W	GLC-DPI250-IO	GLC-DPI450-IO
				GLC-DPI250-AD	GLC-DPI450-AD
	UV Series	GL-HLV2-28UV365 GL-HLV2-28UV	GLC-PI1W	GLC-DPI435-RS232	GLC-DPI435-AD
				GLC-DPI235-IO	GLC-DPI435-IO
				GLC-DPI235-AD	GLC-DPI435-AD

Power Dimmer for 24V Lights

LED Lights			GLC-PS2-24V10W	GLC-PP24V12W	GLC-PD24V30W	GLC-PD24V48W	GLC-PD24V100W
Direct Lighting	Direct Ring Series	GL-DR3210-24	V	V	V	V	
		GL-DR4218-24	V	V	V	V	
		GL-DR5028-24	V	V	V	V	
		GL-DR6736-24	V	V	V	V	
		GL-DR7035-24	V	V	V	V	
		GL-DR9050-24	V	V	V	V	
		GL-DR9550-24	V	V	V	V	
		GL-DR12060-24	V	V	V	V	
		GL-LDR4822-24	V	V	V	V	
		GL-LDR7448-24	V	V	V	V	
		GL-LDR10068-24	V	V	V	V	
		GL-LDR13296-24	V	V	V	V	
	Low Angle Direct Ring Series	GL-LDR170134-24	V	V	V	V	
		GL-FDR7546-24	V	V	V	V	
		GL-FDR8454-24	V	V	V	V	
		GL-FDR12292-24	V	V	V	V	
		GL-FDR156108-24	V	V	V	V	
		GL-DB3010-24	V	V	V	V	
		GL-DB6020-24	V	V	V	V	
		GL-DB11020-24	V	V	V	V	
		GL-DB16020-24	V	V	V	V	
		GL-DB21020-24	V	V	V	V	
		GL-DB26020-24	V	V	V	V	
		GL-DB31020-24	V	V	V	V	
	Bar, Linear & Oblique Series	GL-DB6034-24	V	V	V	V	
		GL-DB11034-24	V	V	V	V	
		GL-DB26034-24	V	V	V	V	
		GL-DB4520-24	V	V	V	V	
		GL-DB8020-24	V	V	V	V	
		GL-ADM3030-24	V	V	V	V	
		GL-ADM3060-24	V	V	V	V	
		GL-ADM3090-24	V	V	V	V	
		GL-ADM30120-24	V	V	V	V	
		GL-ADM6060-24	V	V	V	V	
		GL-ADM6090-24	V	V	V	V	
		GL-ADM60120-24	V	V	V	V	
Indirect Lighting	Backlight Series	GL-ADM9090-24	V	V	V	V	
		GL-ADM90120-24	V	V	V	V	
		GL-ADM120120-24	V	V	V	V	
		GL-ADM90135-24	V	V	V	V	
		GL-ADM90180-24	V	V	V	V	
		GL-ADM90225-24	V	V	V	V	
		GL-ADM90270-24	V	V	V	V	
		GL-ADM90315-24	V	V	V	V	
		GL-ADM90360-24	V	V	V	V	
		GL-ADM135135-24	V	V	V	V	
		GL-ADM135180-24	V	V	V	V	
		GL-ADM135225-24	V	V	V	V	
	Spot Light Series	GL-ADM135270-24	V	V	V	V	
		GL-ADM135315-24	V	V	V	V	
		GL-ADM135360-24	V	V	V	V	
		GL-ADM180180-24	V	V	V	V	
		GL-ADM180225-24	V	V	V	V	
		GL-ADM180270-24	V	V	V	V	
		GL-ADM180315-24	V	V	V	V	
		GL-ADM180360-24	V	V	V	V	
		GL-ADM180405-24	V	V	V	V	
		GL-ADM180450-24	V	V	V	V	
		GL-ADM180495-24	V	V	V	V	
		GL-ADM180540-24	V	V	V	V	

LED Lights		GLC-PS2-24V10W	GLC-PP24V12W	GLC-PD24V30W	GLC-PD24V48W	GLC-PD24V100W
Indirect Lighting	Backlight Series	GL-ADM180360-24				V
		GL-ADM225225-24				V
		GL-ADM225270-24				V
		GL-ADM225315-24				V
		GL-ADM225360-24				V
		GL-ADM270270-24				V
		GL-ADM270315-24				V
		GL-ADM270360-24				V
		GL-ADM315315-24				V
		GL-ADM315360-24				V
		GL-ADM360360-24				V
	Shadowless Series	GL-PR6739-24	V	V	V	
		GL-PR9058-24	V	V	V	
		GL-PR136108-24				V
		GL-LFR7420-24	V	V	V	
		GL-DO5411-24	V	V	V	
		GL-LFR10233-24	V	V	V	
		GL-LFR12544-24	V	V	V	
		GL-SRL7420-24	V	V	V	
		GL-SRL10233-24	V	V	V	
		GL-SRL12544-24				V
		GL-FPQ4848-24	V	V	V	
		GL-FPQ7575-24	V	V	V	
	Coaxial Series	GL-FPQ152152-24	V	V	V	
		GL-IFV20-24	V	V	V	
		GL-IFV34-24	V	V	V	
		GL-IFV40-24	V	V	V	
		GL-IFV50-24	V	V	V	
		GL-IFV70-24				V
		GL-IFV100-24				V
		GL-IFV130-24				V
		GL-IFV200-24				V
		GL-IFV2-34-24	V	V	V	
		GL-DO8454-24	V	V	V	
		GL-DO12292-24	V	V	V	
	Large Dome Series	GL-DO156108-24	V	V	V	
		GL-DO266210-24				V
		GL-ADO8454-24	V	V	V	
		GL-ADO12292-24	V	V	V	
		GL-ADO156108-24				V
	Flat Dome Series	GL-FDO100-24	V	V	V	
	Square Series	GL-DSQ2-150150-24				V
		GL-DSQ2-300300-24				V
Special Lighting	UV Series	GL-DR4218UV365-24	V	V	V	
		GL-DR5028UV365-24	V	V	V	
		GL-DR6736UV365-24	V	V	V	
		GL-DR7035UV365-24	V	V	V	
		GL-DR9050UV365-24	V	V	V	
		GL-LDR7448UV365-24	V	V	V	
		GL-LDR10068UV365-24	V	V	V	
		GL-DB6020UV365-24	V	V	V	
		GL-DB6020UV-24	V	V	V	
		GL-DB11020UV365-24	V	V	V	
		GL-DB16020UV365-24	V	V	V	
		GL-DB21020UV365-24	V	V	V	
		GL-DB26020UV365-24	V	V	V	
		GL-DB31020UV265-24	V	V	V	
		GL-IFV34UV-24	V	V	V	
		GL-IFV40UV365-24	V	V	V	
		GL-IFV40UV-24	V	V	V	

Optional Accessories for LED Light Source

Diffusion Plate

Model	Light Source
AL-DR3210-DP	GL-DR3210
AL-DR4218-DP	GL-DR4218
AL-DR5028-DP	GL-DR5028
AL-DR6736-DP	GL-DR6736
AL-DR7035-DP	GL-DR7035
AL-DR9050-DP	GL-DR9050
AL-DR9550-DP	GL-DR9550
AL-DR12060-DP	GL-DR12060
AL-LDR4822-D	GL-LDR4822
AL-LDR7448-D	GL-LDR7448
AL-LDR10068-D	GL-LDR10068
AL-LDR13296-D	GL-LDR13296
AL-LDR170134-D	GL-LDR170134
AL-FDR7546-D	GL-FDR7546
AL-FDR8454-D	GL-FDR8454
AL-FDR12292-D	GL-FDR12292
AL-FDR156108-D	GL-FDR156108
AL-DB3010-DP	GL-DB3010
AL-DB4520-DP	GL-DB4520
AL-DB8020-DP	GL-DB8020
AL-DB6020-DP	GL-DB6020
	GL-DB6020-4
AL-DB11020-DP	GL-DB11020
	GL-DB11020-4
AL-DB16020-DP	GL-DB16020
	GL-DB16020-4
AL-DB21020-DP	GL-DB21020
AL-DB26020-DP	GL-DB26020
AL-DB31020-DP	GL-DB31020
AL-DB6034-DP	GL-DB6034
AL-DB11034-DP	GL-DB11034
AL-DB16034-DP	GL-DB16034
AL-DB21034-DP	GL-DB21034
AL-DB26034-DP	GL-DB26034
AL-DB31034-DP	GL-DB31034
AL-MC9050-DP	GL-MC9050W

Adapter

Model	Light Source
GLA-LAR18	GL-DR6736
GLA-LAR32	GL-DR6736
GLA-LAR6736	GL-DR6736
GLA-LAR50	GL-DR9050
	GL-DR9550
MLA-IFV20-M25.5	
MLA-IFV20-M27	GL-IFV20
MLA-IFV20-M30.5	
MLA-IFV34-M25.5	
MLA-IFV34-M27	GL-IFV34
MLA-IFV34-M30.5	
MLA-IFV40-M25.5	
MLA-IFV40-M27	GL-IFV40
MLA-IFV40-M30.5	
MLA-IFV50-M25.5	
MLA-IFV50-M27	GL-IFV50
MLA-IFV50-M30.5	
MLA-IFV70-M25.5	
MLA-IFV70-M27	GL-IFV70
MLA-IFV70-M30.5	

Extension Cord

Model	Length
AL-ESM2P1M-W	1M
AL-ESM2P2M-W	2M
AL-ESM2P3M-W	3M
AL-ESM2P5M-W	5M
AL-ESM2P9M-W	9M
AL-ESM3P1M-W (HLV)	1M
AL-ESM3P2M-W (HLV)	2M
AL-ESM3P3M-W (HLV)	3M
AL-ESM3P5M-W (HLV)	5M
AL-ESM3P9M-W (HLV)	9M
AL-EUT2P2M-W	2M
AL-EUT2P3M-W	3M
AL-ETBD4P2M-W	2M
AL-ETBD4P5M-W	5M
AL-ESM2P1-2-W	0.2M
AL-ESM2P1-4-W	0.2M
AL-ESM3P1-2-W	0.2M
AL-ESM3P1-4-W	0.2M
AL-ESM2PM3PFV4-W	0.2M
AL-ESM3PM2PF-W	0.2M

Extension Tube

Model	Spec.
ALN-EXT-05	0.5mm
ALN-EXT-10	1.0mm
ALN-EXT-20	2.0mm
ALN-EXT-50	5.0mm
ALN-EXT-100	10.0mm
ALN-EXT-200	20.0mm
ALN-EXT-400	40.0mm



Standard



For HL



AL-ESM2P1-4-W



AL-ESM2P1-2-W



AL-ESM2PM3PFV4-W

Optional Accessories for CCD Stage

Type	Model	Specification	Dimension
A. Dovetail Slot	AV-PT-AF65M-09	1. Axis Direction: XYZ	1
B. Transmission	AV-PT-AF65M-10	2. Each Stroke is 20mm	2
Type: Thread		3. Platform Size: 35*35mm	
Rods M6*0.5		4. Load: 5 kgs	
		5. Material: Aluminum Alloy	
		6. Metal Finishing: Anodizing Aluminum Bright Black	



AV-PT-AF65M-09



AV-PT-AF65M-10



AV-PT-AF65M-21



AV-PT-AF65M-22



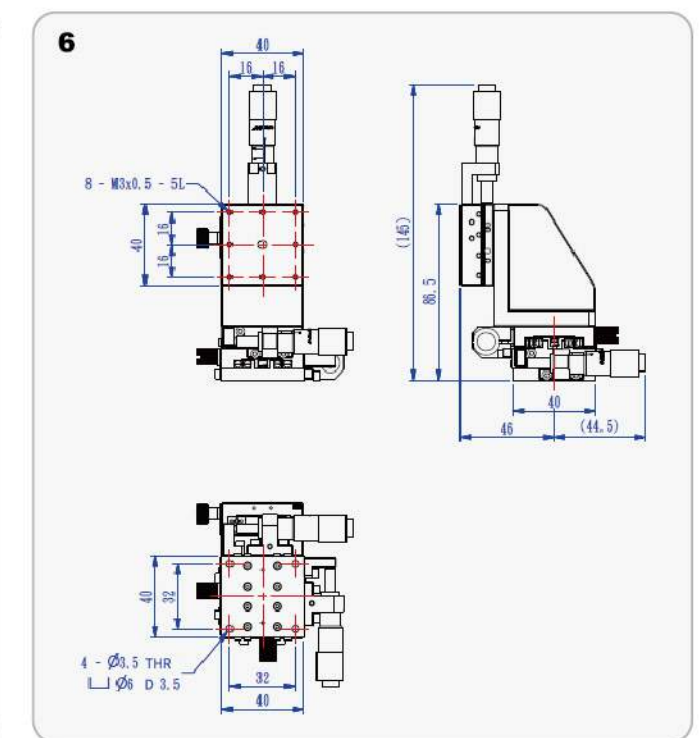
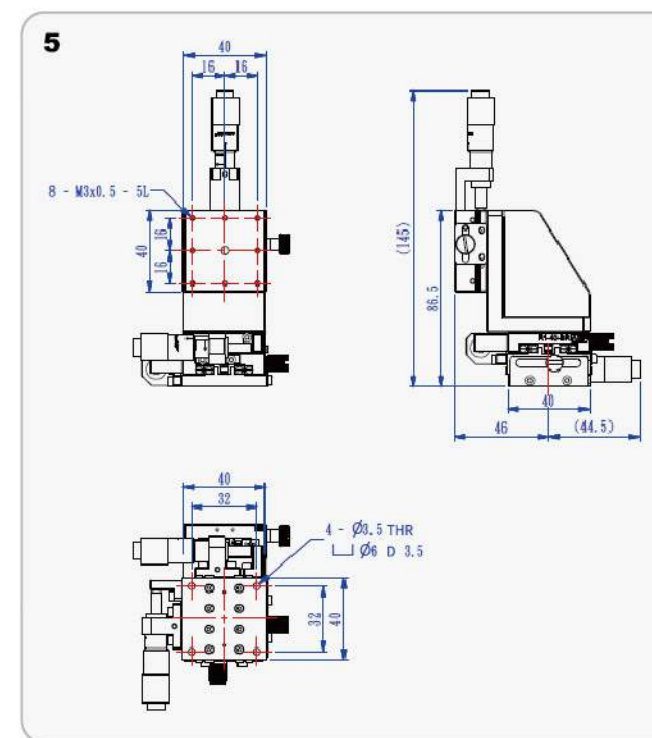
AV-PT-ACX040-A0101



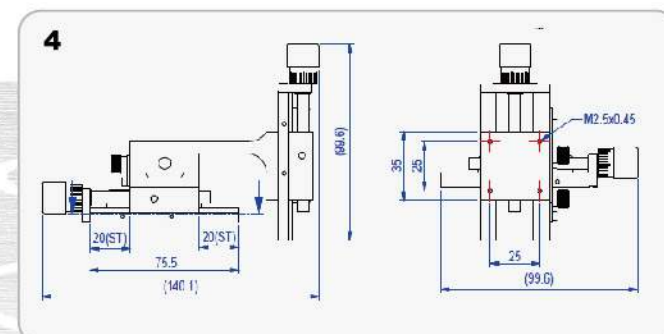
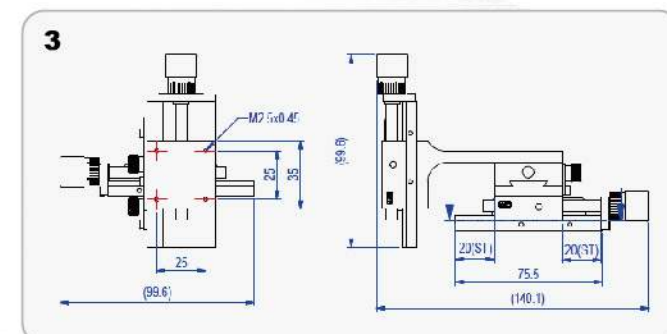
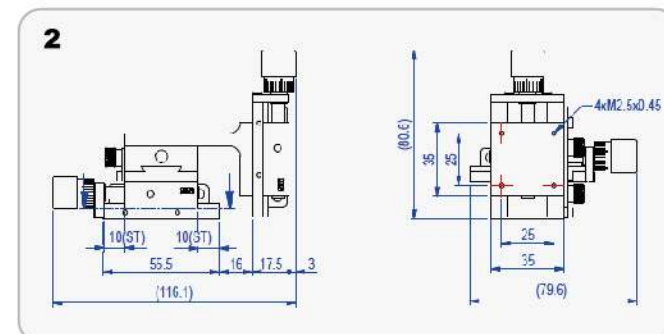
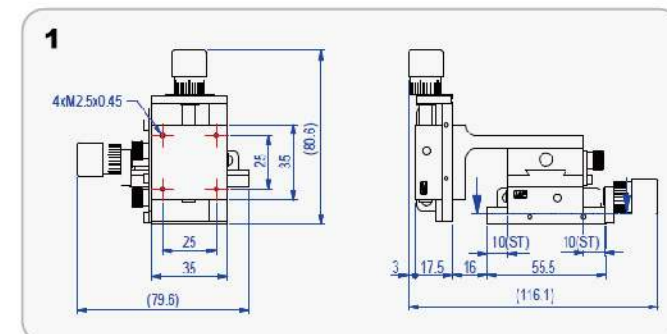
AV-PT-ACX040-A0201

Type	Model	Specification	Dimension
A. Dovetail Slot	AV-PT-AF65M-21	1. Axis Direction: XYZ	3
B. Transmission	AV-PT-AF65M-22	2. Each Stroke is 40mm	4
Type: Thread		3. Platform Size: 35*35mm	
Rods M6*0.5		4. Load: 5 kgs	
		5. Material: Aluminum Alloy	
		6. Metal Finishing: Anodizing Aluminum Bright Black	

Type	Model	Specification	Dimension
A. Crossed Roller VR1	AV-PT-ACX040-A0101	1. Axis Direction: XYZ	5
B. Transmission	AV-PT-ACX040-A0201	2. Each Stroke is 13mm	6
Type: Thread		3. Platform Size: 40*40mm	
Micrometer Head		4. Load: 5 kgs	
		5. Material: Aluminum Alloy	
		6. Metal Finishing: Anodizing Aluminum Bright Black	



Dimensional Diagrams(mm)



Optional Accessories for POE Card

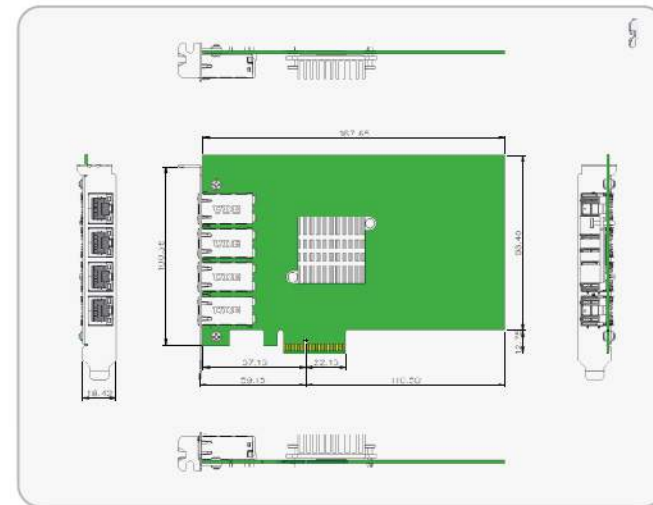
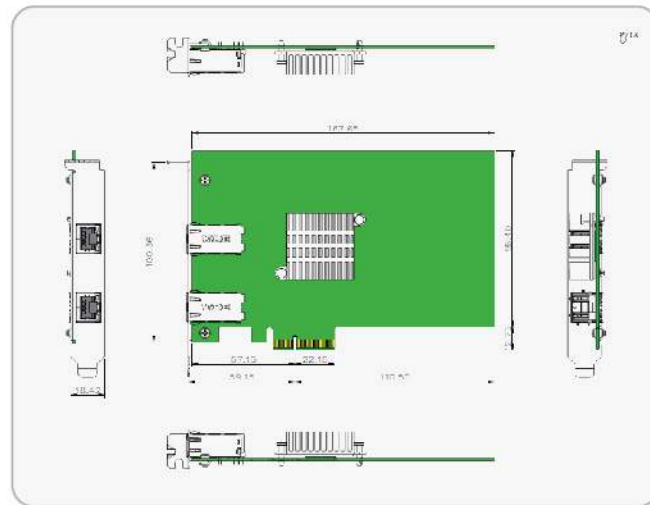
AV-PCIE-POE2



AV-PCIE-POE4



Dimensional Diagrams(mm)

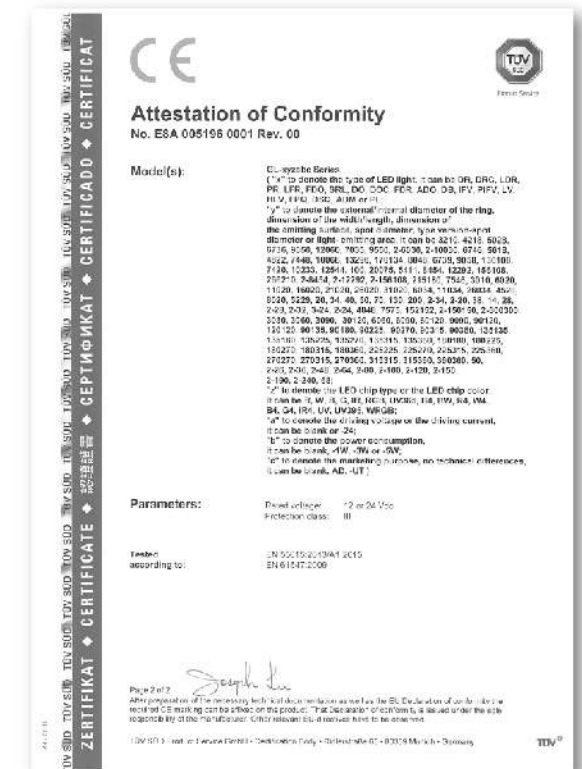
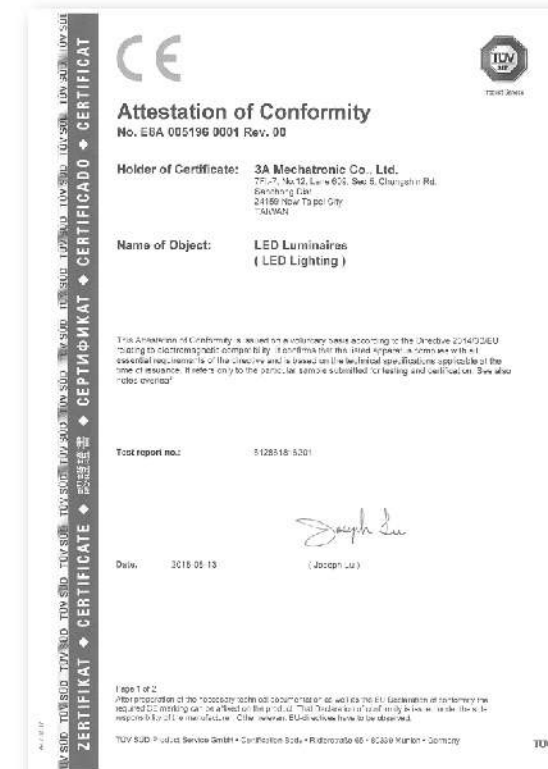


AV-CAT6-RJ45-W-3W
AV-CAT6-RJ45-W-5W

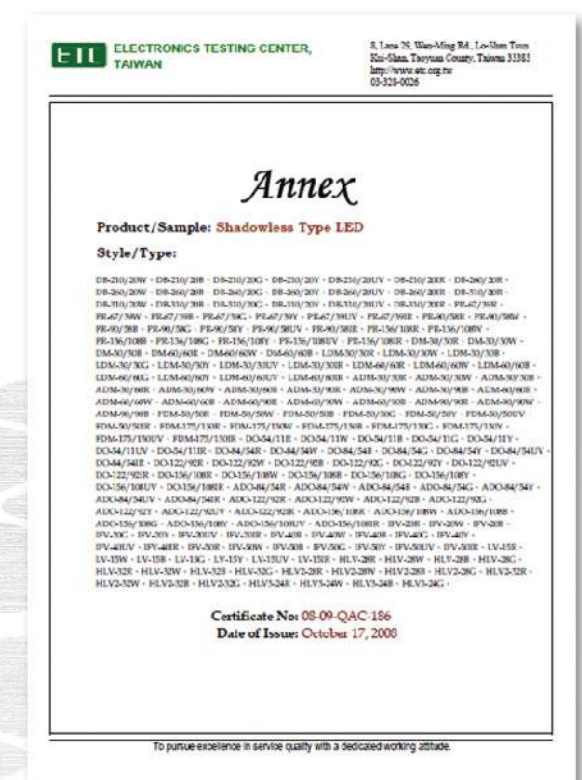
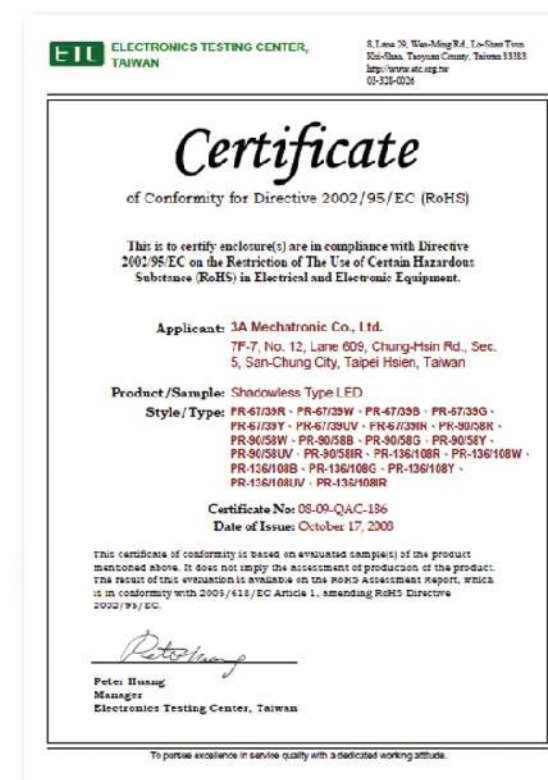


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