

## POMEAS Ring Light Series :

High brightness, no opposite angle shadow, multiple colors ring light.



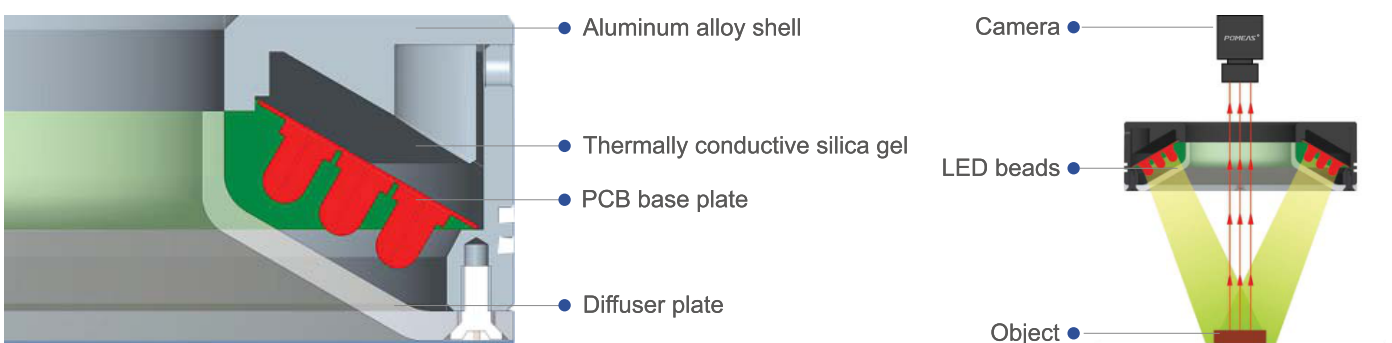
### Product Advantages

Ring light is made of LED array optimized by structure, with stable performance and convenient installation. Direct irradiation on the measured object with different irradiation angles and different color combinations can avoid shadow phenomenon and highlight imaging characteristics. It can also be used in combination with the diffuser plate to make the light more uniform and soft. It is one of the most widely used light sources in machine vision.

### Application Field

- ◆ Round product size measurement.
- ◆ PCB circuit board and component detection.
- ◆ Character detection of electronic components.
- ◆ Product packaging appearance and label inspection.
- ◆ IC and other semiconductor products appearance character detection.

### Illumination Structure



Ring Light	Product Parameter					
<b>Peak Wavelength</b>	Red: 620-630nm 645-660nm	Green: 525nm	Blue: 470nm	White(CT) : 6500K(Temperature)	IR: 850-950nm	UV: 365-395nm
<b>Controller</b>	PMS-PI2404-4-RS232T					
<b>Environment Temperature</b>	Temperature:0-40°C ; Humidity: 20-85%RH(Non-condensing)					
<b>Optional</b>	Diffuser plate (A few available) Extended line (Optional, Standard length 0.5m)					
<b>Expected Service Life</b>	When the ambient temperature is 25°C, the white light works continuously at 50% brightness for more than 30000h (When attenuation 50%)					
<b>Product Advantage</b>	All products are delivered with one-year standard free technical support, and can be customized according to the characteristics of the measured object, working distance, illumination angle, color and field of view according to customer requirements.					

Ring Light Series		Product Model & Specification					
Ex-Diameter	Model	Power	Voltage	Color	CT/Wavelength	LED Ring	Options
Small	PMS-RL25-75R/W/B	0.4W	24V	Red	625nm	1	Diffuser plate
		0.8W	24V	White	6500k	1	Diffuser plate
		0.8W	24V	Blue	470nm	1	Diffuser plate
	PMS-RL34-75R/W/B	0.8W	24V	Red	625nm	2	Diffuser plate
		1.2W	24V	White	6500k	2	Diffuser plate
		1.2W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL40-90R/W/B	0.5W	24V	Red	625nm	1	Diffuser plate
		0.8W	24V	White	6500k	1	Diffuser plate
		0.8W	24V	Blue	470nm	1	Diffuser plate
	PMS-RL42-65R/W/B	1.4W	24V	Red	625nm	2	Diffuser plate
		2.5W	24V	White	6500k	2	Diffuser plate
		2.5W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL50-15R/W/B	1.2W	24V	Red	625nm	2	Diffuser plate
		1.5W	24V	White	6500k	2	Diffuser plate
		1.5W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL50-30R/W/B	1.8W	24V	Red	625nm	2	Diffuser plate
		2.9W	24V	White	6500k	2	Diffuser plate
		2.9W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL50-45R/W/B	2.9W	24V	Red	625nm	3	Diffuser plate
		4.3W	24V	White	6500k	3	Diffuser plate
		4.3W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL52-60R/W/B	1.3W	24V	Red	625nm	2	Diffuser plate
		2W	24V	White	6500k	2	Diffuser plate
		2W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL53-90R/W/B	1.2W	24V	Red	625nm	2	Diffuser plate
		2W	24V	White	6500k	2	Diffuser plate
		2W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL54-80R/W/B	1.8W	24V	Red	625nm	2	Diffuser plate
		3.2W	24V	White	6500k	2	Diffuser plate
		3.2W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL60-00R/W/B	1.1W	24V	Red	625nm	1	\
		1.6W	24V	White	6500k	1	\
		1.6W	24V	Blue	470nm	1	\
	PMS-RL60-30R/W/B	1.2W	24V	Red	625nm	2	Diffuser plate
		2.2W	24V	White	6500k	2	Diffuser plate
		2.2W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL60-60R/W/B	1.5W	24V	Red	625nm	2	Diffuser plate
		2.7W	24V	White	6500k	2	Diffuser plate
		2.7W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL60-90R/W/B	2.8W	24V	Red	625nm	2	Diffuser plate
		3W	24V	White	6500k	2	Diffuser plate
		3W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL73-90R/W/B	2.4W	24V	Red	625nm	3	Diffuser plate
		3.6W	24V	White	6500k	3	Diffuser plate
		3.6W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL74-30R/W/B	1.7W	24V	Red	625nm	2	Diffuser plate
		2.6W	24V	White	6500k	2	Diffuser plate
		2.6W	24V	Blue	470nm	2	Diffuser plate
	PMS-RL74-60R/W/B	2.4W	24V	Red	625nm	3	Diffuser plate
		3.6W	24V	White	6500k	3	Diffuser plate
		3.6W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL90-30R/W/B	3.4W	24V	Red	625nm	3	Diffuser plate
		5.3W	24V	White	6500k	3	Diffuser plate
		5.3W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL90-45R/W/B	6.5W	24V	Red	625nm	4	Diffuser plate
		10.8W	24V	White	6500k	4	Diffuser plate
		10.8W	24V	Blue	470nm	4	Diffuser plate
	PMS-RL90-70R/W/B	4.1W	24V	Red	625nm	4	Diffuser plate
		6.2W	24V	White	6500k	4	Diffuser plate
		6.2W	24V	Blue	470nm	4	Diffuser plate
	PMS-RL90-80R/W/B	3.5W	24V	Red	625nm	3	Diffuser plate
		7.2W	24V	White	6500k	3	Diffuser plate
		7.2W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL96-00R/W/B	1.6W	24V	Red	625nm	1	\
		2.4W	24V	White	6500k	1	\
		2.4W	24V	Blue	470nm	1	\
	PMS-RL100-90R/W/B	5.1W	24V	Red	625nm	5	Diffuser plate
		8.4W	24V	White	6500k	5	Diffuser plate
		8.4W	24V	Blue	470nm	5	Diffuser plate
	PMS-RL105-70R/W/B	5.8W	24V	Red	625nm	3	Diffuser plate
		7.2W	24V	White	6500k	3	Diffuser plate
		7.2W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL116-00R/W/B	1.7W	24V	Red	625nm	1	\
		2.7W	24V	White	6500k	1	\
		2.7W	24V	Blue	470nm	1	\
	PMS-RL120-30R/W/B	5.6W	24V	Red	625nm	3	Diffuser plate
		8.6W	24V	White	6500k	3	Diffuser plate
		8.6W	24V	Blue	470nm	3	Diffuser plate
	PMS-RL120-50R/W/B	11W	24V	Red	625nm	4	Diffuser plate
		16.5W	24V	White	6500k	4	Diffuser plate
		16.5W	24V	Blue	470nm	4	Diffuser plate

Small

Large



Ring Light Series		Product Model & Specification						
Ex-Diameter	Model	Power	Voltage	Color	CT/Wavelength	LED Ring	Options	
Small	PMS-RL120-60R/W/B	9.1W	24V	Red	625nm	6	Diffuser plate	
		14W	24V	White	6500k	6	Diffuser plate	
		14W	24V	Blue	470nm	6	Diffuser plate	
	PMS-RL120-70R/W/B	6W	24V	Red	625nm	4	Diffuser plate	
		11W	24V	White	6500k	4	Diffuser plate	
		11W	24V	Blue	470nm	4		
	PMS-RL120-80R/W/B	8.6W	24V	Red	625nm	4	\	
		13.7W	24V	White	6500k	4	\	
		13.7W	24V	Blue	470nm	4		
	PMS-RL120-90R/W/B	5.1W	24V	Red	625nm	3	Diffuser plate	
		8.7W	24V	White	6500k	3	Diffuser plate	
		8.7W	24V	Blue	470nm	3	Diffuser plate	
	PMS-RL132-20R/W/B	5.1W	24V	Red	625nm	3	Diffuser plate	
		8W	24V	White	6500k	3	Diffuser plate	
		8W	24V	Blue	470nm	3	Diffuser plate	
	PMS-RL146-00R/W/B	1.9W	24V	Red	625nm	1	\	
		2.9W	24V	White	6500k	1	\	
		2.9W	24V	Blue	470nm	1	\	
	PMS-RL150-30R/W/B	8.6W	24V	Red	625nm	3	Diffuser plate	
		17.3W	24V	White	6500k	3	Diffuser plate	
		17.3W	24V	Blue	470nm	3	Diffuser plate	
	PMS-RL150-60R/W/B	9W	24V	Red	625nm	4	Diffuser plate	
		18W	24V	White	6500k	4	Diffuser plate	
		18W	24V	Blue	470nm	4	Diffuser plate	
PMS-RL150-90R/W/B	19.3W	24V	Red	625nm	4	Diffuser plate		
	28W	24V	White	6500k	4	Diffuser plate		
	28W	24V	Blue	470nm	4	Diffuser plate		
PMS-RL170-20R/W/B	7W	24V	Red	625nm	3	Diffuser plate		
	14W	24V	White	6500k	3	Diffuser plate		
	14W	24V	Blue	470nm	3	Diffuser plate		
PMS-RL172-00R/W/B	1.8W	24V	Red	625nm	1	\		
	4W	24V	White	6500k	1	\		
	4W	24V	Blue	470nm	1	\		
PMS-RL180-30R/W/B	9.7W	24V	Red	625nm	5	Diffuser plate		
	14.9W	24V	White	6500k	5	Diffuser plate		
	14.9W	24V	Blue	470nm	5	Diffuser plate		
PMS-RL180-60R/W/B	9.4W	24V	Red	625nm	4	Diffuser plate		
	14.4W	24V	White	6500k	4	Diffuser plate		
	14.4W	24V	Blue	470nm	4	Diffuser plate		
PMS-RL180-90R/W/B	22.5W	24V	Red	625nm	6	Diffuser plate		
	30W	24V	White	6500k	6	Diffuser plate		
	30W	24V	Blue	470nm	6	Diffuser plate		
PMS-RL208-20R/W/B	9.2W	24V	Red	625nm	3	Diffuser plate		
	15.2W	24V	White	6500k	3	Diffuser plate		
	15.2W	24V	Blue	470nm	3	Diffuser plate		
PMS-RL208-60R/W/B	8.7W	24V	Red	625nm	3	Diffuser plate		
	14.4W	24V	White	6500k	3	Diffuser plate		
	14.4W	24V	Blue	470nm	3	Diffuser plate		
PMS-RL213-00R/W/B	4.8W	24V	Red	625nm	1	\		
	9.6W	24V	White	6500k	1	\		
	9.6W	24V	Blue	470nm	1	\		
PMS-RL260-60R/W/B	29.5W	24V	Red	625nm	7	Diffuser plate		
	35.3W	24V	White	6500k	7	Diffuser plate		
	35.3W	24V	Blue	470nm	7	Diffuser plate		
PMS-RL272-20R/W/B	10.5W	24V	Red	625nm	3	Diffuser plate		
	16W	24V	White	6500k	3	Diffuser plate		
	16W	24V	Blue	470nm	3	Diffuser plate		
PMS-RL350-30R/W/B	25.2W	24V	Red	625nm	3	Diffuser plate		
	41.8W	24V	White	6500k	3	Diffuser plate		
	41.8W	24V	Blue	470nm	3	Diffuser plate		
Large	PMS-RL180-30R/W/B	9.7W	24V	Red	625nm	5	Diffuser plate	
		14.9W	24V	White	6500k	5	Diffuser plate	
		14.9W	24V	Blue	470nm	5	Diffuser plate	
	PMS-RL180-60R/W/B	9.4W	24V	Red	625nm	4	Diffuser plate	
		14.4W	24V	White	6500k	4	Diffuser plate	
		14.4W	24V	Blue	470nm	4	Diffuser plate	
	PMS-RL180-90R/W/B	22.5W	24V	Red	625nm	6	Diffuser plate	
		30W	24V	White	6500k	6	Diffuser plate	
		30W	24V	Blue	470nm	6	Diffuser plate	
	PMS-RL208-20R/W/B	9.2W	24V	Red	625nm	3	Diffuser plate	
		15.2W	24V	White	6500k	3	Diffuser plate	
		15.2W	24V	Blue	470nm	3	Diffuser plate	
PMS-RL208-60R/W/B	8.7W	24V	Red	625nm	3	Diffuser plate		
	14.4W	24V	White	6500k	3	Diffuser plate		
	14.4W	24V	Blue	470nm	3	Diffuser plate		
PMS-RL213-00R/W/B	4.8W	24V	Red	625nm	1	\		
	9.6W	24V	White	6500k	1	\		
	9.6W	24V	Blue	470nm	1	\		
PMS-RL260-60R/W/B	29.5W	24V	Red	625nm	7	Diffuser plate		
	35.3W	24V	White	6500k	7	Diffuser plate		
	35.3W	24V	Blue	470nm	7	Diffuser plate		
PMS-RL272-20R/W/B	10.5W	24V	Red	625nm	3	Diffuser plate		
	16W	24V	White	6500k	3	Diffuser plate		
	16W	24V	Blue	470nm	3	Diffuser plate		
PMS-RL350-30R/W/B	25.2W	24V	Red	625nm	3	Diffuser plate		
	41.8W	24V	White	6500k	3	Diffuser plate		
	41.8W	24V	Blue	470nm	3	Diffuser plate		

Ring Light Series		Product Dimensional Drawing	
<p><b>PMS-RL25-75R/W/B</b></p>		<p><b>PMS-RL34-75R/W/B</b></p>	
<p><b>PMS-RL42-65R/W/B</b></p>		<p><b>PMS-RL50-15R/W/B</b></p>	
<p><b>PMS-RL50-45R/W/B</b></p>		<p><b>PMS-RL52-60R/W/B</b></p>	
<p><b>PMS-RL54-80R/W/B</b></p>		<p><b>PMS-RL60-00R/W/B</b></p>	
<p><b>PMS-RL40-90R/W/B</b></p>		<p><b>PMS-RL50-30R/W/B</b></p>	
<p><b>PMS-RL53-90R/W/B</b></p>		<p><b>PMS-RL60-30R/W/B</b></p>	



Ring Light Series		Product Dimensional Drawing
<b>PMS-RL60-60R/W/B</b>	<b>PMS-RL60-90R/W/B</b>	<b>PMS-RL73-90R/W/B</b>
<b>PMS-RL74-30R/W/B</b>	<b>PMS-RL74-60R/W/B</b>	<b>PMS-RL90-30R/W/B</b>
<b>PMS-RL90-45R/W/B</b>	<b>PMS-RL90-70R/W/B</b>	<b>PMS-RL90-80R/W/B</b>
<b>PMS-RL96-00R/W/B</b>	<b>PMS-RL100-90R/W/B</b>	<b>PMS-RL105-70R/W/B</b>

Ring Light Series		Product Dimensional Drawing	
<p><b>PMS-RL116-00R/W/B</b></p>	<p><b>PMS-RL120-30R/W/B</b></p>	<p><b>PMS-RL120-50R/W/B</b></p>	
<p><b>PMS-RL120-60R/W/B</b></p>	<p><b>PMS-RL120-70R/W/B</b></p>	<p><b>PMS-RL120-80R/W/B</b></p>	
<p><b>PMS-RL120-90R/W/B</b></p>	<p><b>PMS-RL132-20R/W/B</b></p>	<p><b>PMS-RL146-00R/W/B</b></p>	
<p><b>PMS-RL150-30R/W/B</b></p>	<p><b>PMS-RL150-60R/W/B</b></p>	<p><b>PMS-RL150-90R/W/B</b></p>	

Ring Light Series		Product Dimensional Drawing
<p><b>PMS-RL170-20R/W/B</b></p>	<p><b>PMS-RL172-00R/W/B</b></p>	<p><b>PMS-RL180-30R/W/B</b></p>
<p><b>PMS-RL180-60R/W/B</b></p>	<p><b>PMS-RL180-90R/W/B</b></p>	<p><b>PMS-RL208-20R/W/B</b></p>
<p><b>PMS-RL208-60R/W/B</b></p>	<p><b>PMS-RL213-00R/W/B</b></p>	<p><b>PMS-RL260-60R/W/B</b></p>
<p><b>PMS-RL272-20R/W/B</b></p>	<p><b>PMS-RL350-30R/W/B</b></p>	