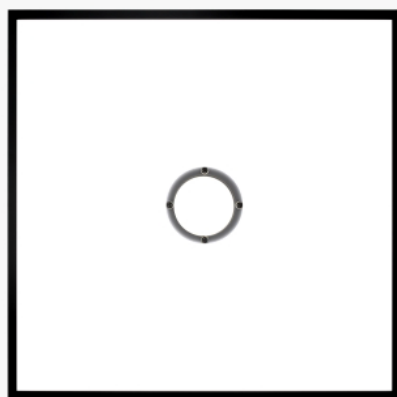


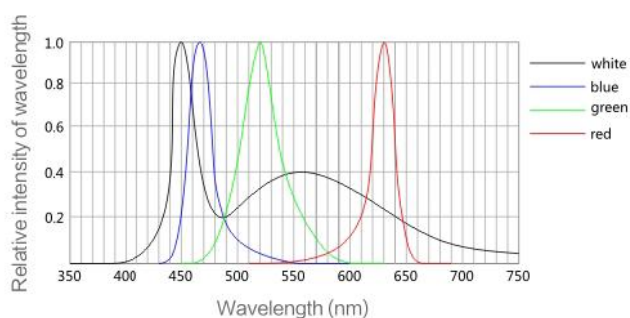
Backlight Series—Customizable hole backlight



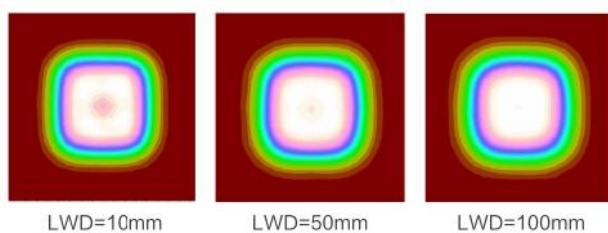
Product Features

- ◆ LEDs are evenly distributed at the bottom of the light source, with high uniformity and brightness;
- ◆ The light source can be customized with holes to be used in conjunction with the camera.

Spectral diagram



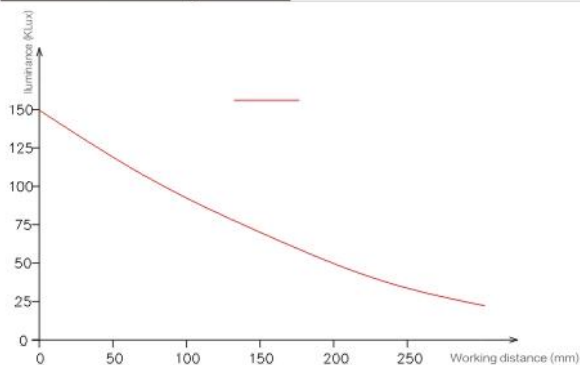
Uniformity diagram



Application scope

- ◆ Appearance contour detection;
- ◆ Measurement of workpiece dimensions;
- ◆ Scratch and stain detection;
- ◆ Liquid height measurement.

Illumination map



Sectional structure diagram



Note: This image is only for illustration purposes and may not be identical to the actual product

Wavelength/ Color Temperature	Red (R)	620–630nm	Green (G)	520–530nm
	Blue (B)	460–470nm	White (W)	6500 ± 500K
	Infrared (IR)	850/940nm	Ultraviolet (UV)	365–405nm
Save environment	humidity	–20~60℃	humidity	20~80% (non condensing)
Usage environment		0~40℃		
Select accessories	Light source extension cable, diffuser plate			
Optional controller				
Service life/warranty	When the ambient temperature is 25 ℃, the brightness of the light source will decrease by less than 30% after 10000 hours of use (excluding ultraviolet)			
	When the ambient temperature is 25 ℃, the 100% brightness of the ultraviolet light source will decay by less than 30% after 1000 hours of use			
	Within one year of shipment, if there is a malfunction due to non–human factors, free repair or replacement services will be provided			

Application case of side light guide source



Analyte



Lighting diagram

Testing item:

QR code character detection of metal parts on the tray.

Content	QR code character detection for metal parts in the tray
Tested item	QR code characters on the surface of metal parts
Difficulties in the plan	Wide field of vision
Application light source	
Result	The two-dimensional code characters at each position are imaged clearly and uniformly. QR code characters can be accurately located and recognized



Imaging rendering

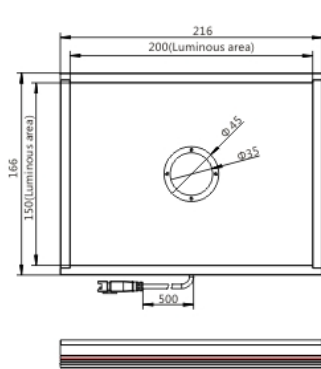


Software processing rendering

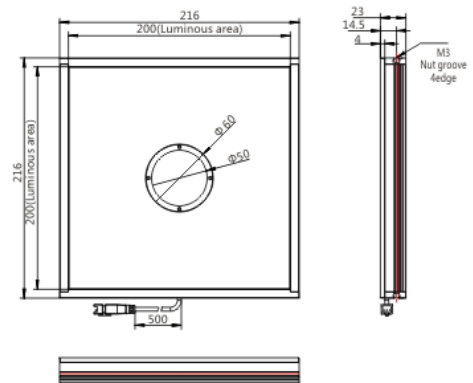
Product model and specifications

Serial number	Model	Voltage	Power		Luminous surface size (mm)	Weight (g)
			R	G/B/W		
1	AIRON-CHBL-200-150	24	26	25	250-150	3
2	AIRON-CHBL-200-200	24	26	26	200-200	3
3	AIRON-CHBL-250-200	24	34	34	250-200	3
4	AIRON-CHBL-250-250	24	43	43	250-250	3
5	AIRON-CHBL-300-300	24	60	60	300-300	4
6	AIRON-CHBL-350-200	24	48	48	350-200	4
7	AIRON-CHBL-350-250	24	60	60	350-250	4
8	AIRON-CHBL-500-400	24	100	120	500-400	5
9	AIRON-CHBL-500-500	24	120	116	500-500	5
10	AIRON-CHBL-600-400	24	116	120	600-400	5

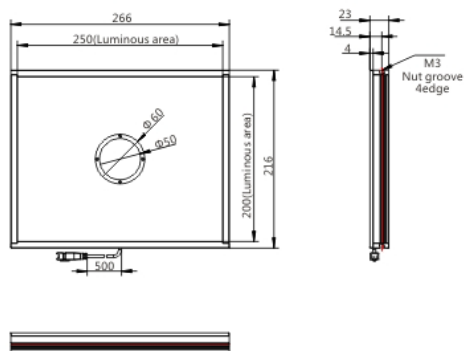
1 AIRON-CHBL-200-150



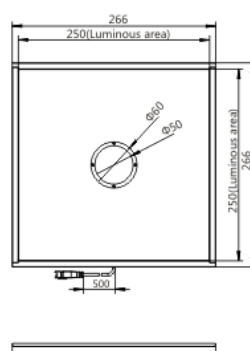
2 AIRON-CHBL-200-200



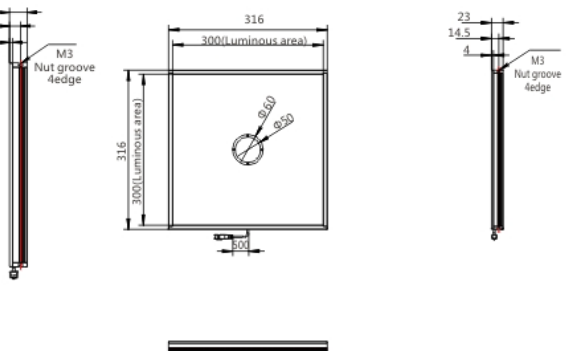
3 AIRON-CHBL-250-200



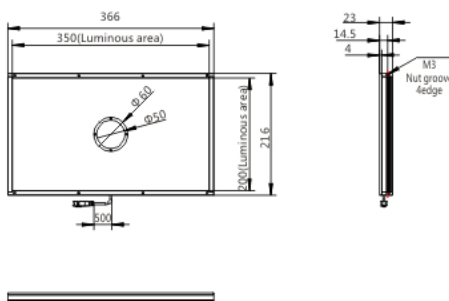
4 AIRON-CHBL-250-250



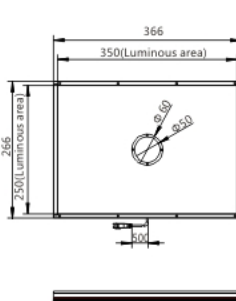
5 AIRON-CHBL-300-300



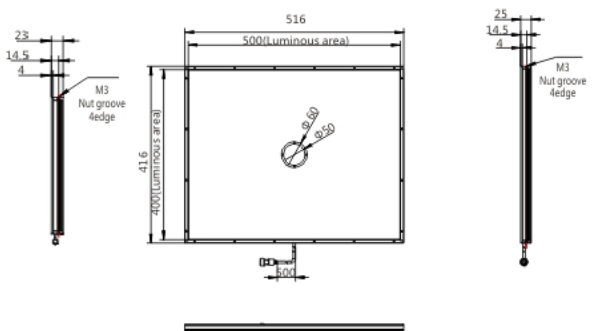
6 AIRON-CHBL-350-200



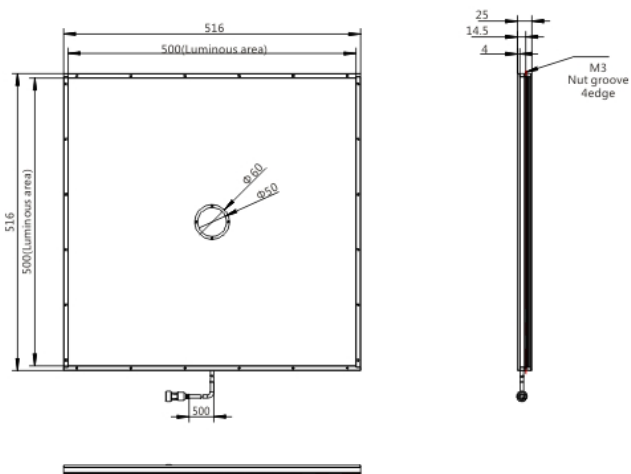
7 AIRON-CHBL-350-250



8 AIRON-CHBL-500-400



9 AIRON-CHBL-500-500



10 AIRON-CHBL-600-400

