

Infrared Lights

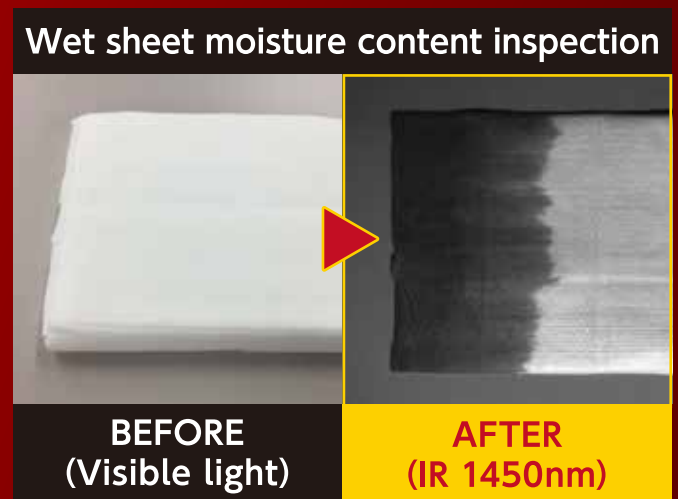
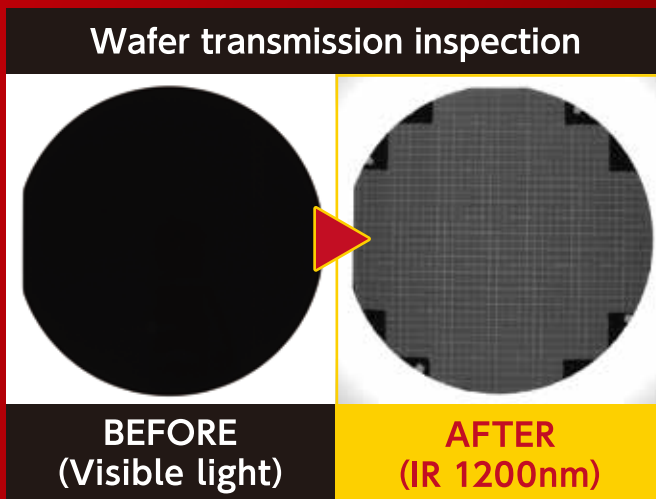
IR1050/1200/1300/1450/
1550/1650 Series



High Power Up to
3.4 times* that of
conventional
products.

*In comparing
LDL-74X27IR105-24
with LDL2-74X30IR105

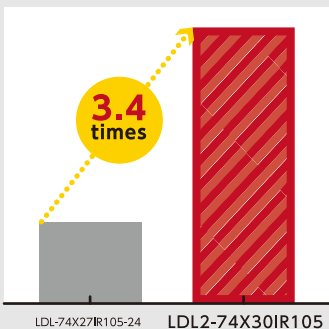
Expand the possibilities of Machine Vision!
The solution **to see** what you can't see



► Features

- A lineup of six wavelengths from **1050 to 1650 nm**.
- **SWIR system consultation** (lights + camera + lens).
- The shape and size of the light can be **customized according** to the application.

3.4 times higher power
than conventional products

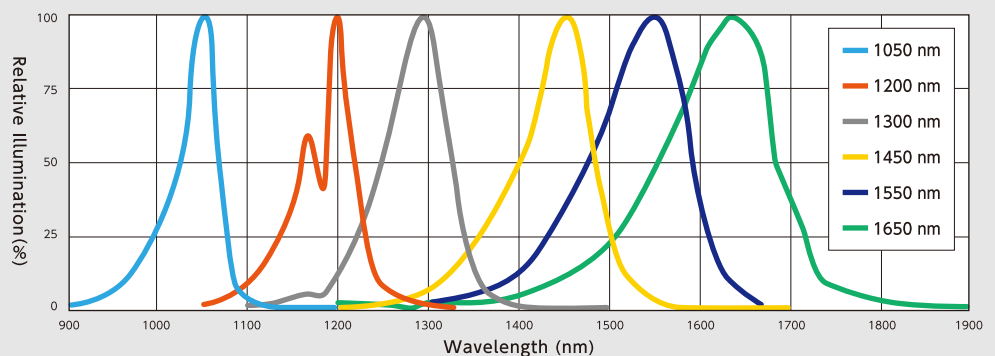


* Comparison of irradiance at 20 mm LWD.

► Application examples

- Moisture content and water droplet testing
- Inspection of package contents
- Detection of foreign matter in packaging seal (PE, etc.)

A lineup of **six wavelengths**



▶ Lineup ("WD" at the end of the model name: Wide type)

Model name	Input Power	Peak wavelength	Options	Recommended Control Units	Weight
LDL2-74X30IR105(-WD)	24 V	1050 nm 8.4 W	Brackets Polarizing Plates	PD3	100g
LDL2-74X30IR120(-WD)		1200 nm 5.7 W		CC-ST-1024	
LDL2-74X30IR130(-WD)		1300 nm 5.7 W		PSB	
LDL2-74X30IR145(-WD)		1450 nm 5.7 W		POD*1	
LDL2-74X30IR155(-WD)		1550 nm 5.3 W			
LDL2-74X30IR165(-WD)		1650 nm 5.3 W			

*1 For information on the combination of Light Units and POD-series Control Unit, please refer to our website. <https://www.ccs-grp.com/lnk/qr/pod>

Other sizes, wavelengths and shapes are also available by custom order.

▶ Options

● **Polarizing Plates** Use with a polarizing filter to remove the light's surface reflection. Model name : **PL-LDL2-74X30-WGFHO**

● **Brackets** The angle of illumination can be adjusted as you desire when securing the light unit.



Model name	Note
BK-LDL2	Angle adjustment bracket(x2)

▶ Common Specifications

LED emission color	Infrared
Input Power	DC 24 V
Connector	SM Connector
Polarity/Signal	1: Brown (+) 2: N C 3: Blue (-)
Cable length	300 mm
Operating environment	Temperature: 0 to 40°C, Humidity: 20 to 85% RH (non-condensing)
Storage environment	Temperature: -20 to 60°C, Humidity: 20 to 85% RH (non-condensing)
Cooling Method	Natural air-cooling
Environmental regulations	RoHS and REACH compliant
CE marking	Safety standard: Conforms to EN62471-1

Infrared Lights (IR1000nm ~) Lineup expansion coming soon



Series	Model name
HPR2	HPR2-100IR
	HPR2-150IR
TH2	TH2-100X100IR
HPD2	HPD2-100IR
	HPD2-150IR
LN-HK	LN-60IR-HK
HLV	HLV-22IR

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Notes

● To ensure proper and safe use of the product, please read the Instruction Guide completely before using the product. ● The design and specifications of this product are subject to change without notification for product improvement.

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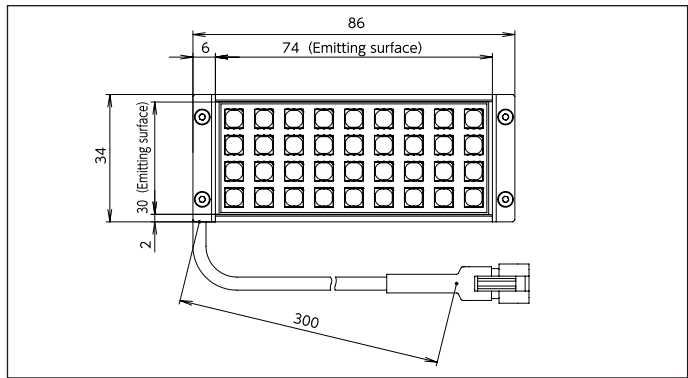
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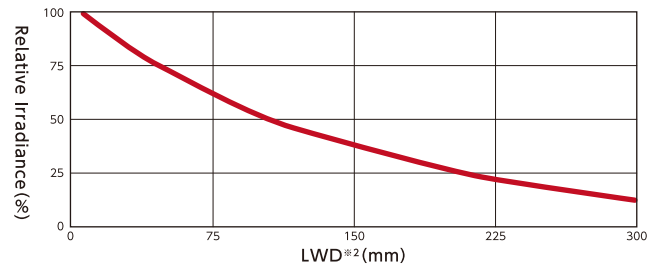
URL : <https://www.ccs-inc.co.jp> E-mail : sales@ccs-inc.co.jp

▶ Dimensions (mm)

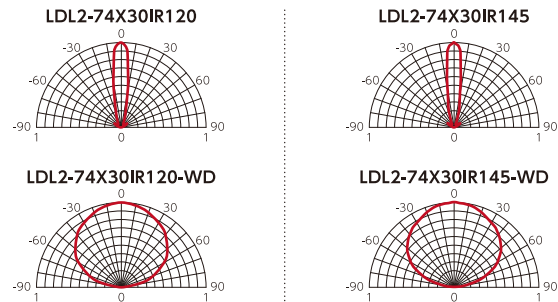


Relative Irradiance*1 Graph(LWD*2 Characteristics)

*1 radiance on the optical axis *2 Illuminating distance from the Light Unit to the workpiece



Directional Characteristics



SWIR system consultation (lights + camera + lens).

CCS offers free testing for machine vision applications including SWIR imaging. Our expert staff will recommend the optimal lighting solution for your application.

