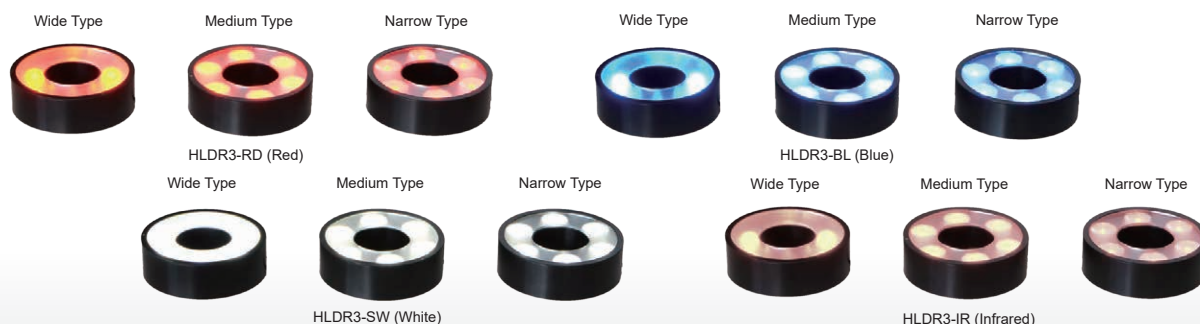




Convergent lighting suitable for long-distance illumination

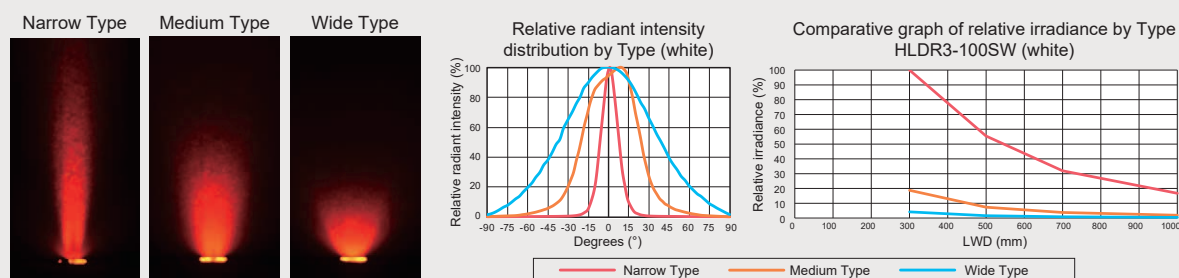


Applications Light source for robot picking; Part sorting, inspection for model mixing; Exterior inspection of various parts; etc.

Three Types of Light Directivity

The data included is for reference only. Actual values may vary.

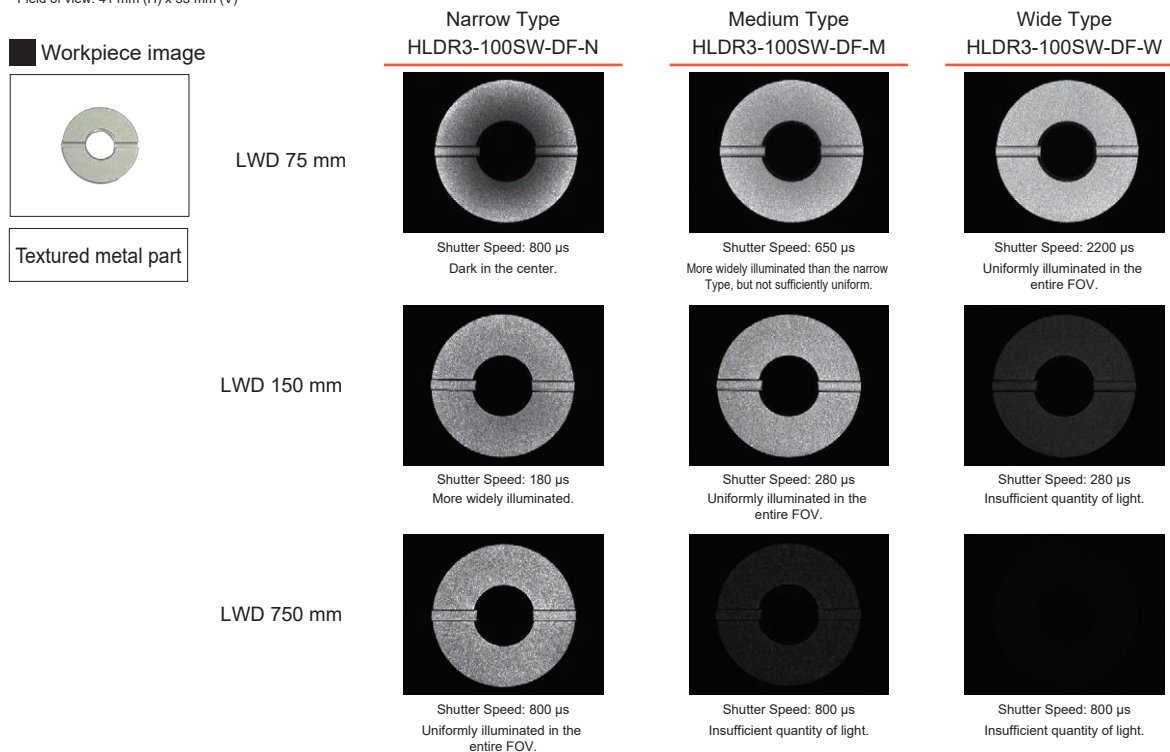
We have a lineup of Narrow Type that emits condensed illumination, Wide Type that diffuses illumination over a wide range, and Medium Type that has intermediate light distribution characteristics.



Imaging Comparison (External observation of textured metal part)

* The shutter speed is changed to suit imaging. The shutter speed can be adjusted to brighten imaging of dark images.

* Field of view: 41 mm (H) x 33 mm (V)

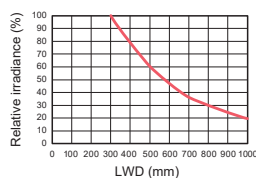


Data: Relative Irradiance Graph and Uniformity (Representative Example)

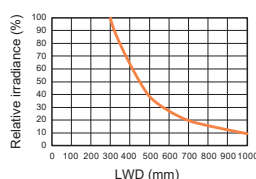
Relative irradiance graph (LWD characteristics)

*1 Irradiation strength on the optical axis
*2 Illuminating distance from the light unit to the workpiece

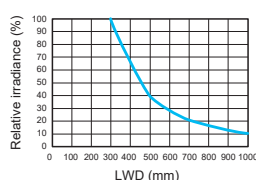
HLDR3-100SW-DF-N (Narrow Type)



HLDR3-100SW-DF-M (Medium Type)

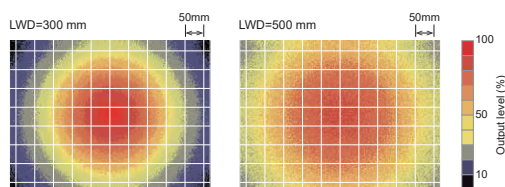
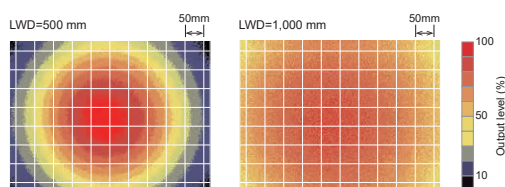
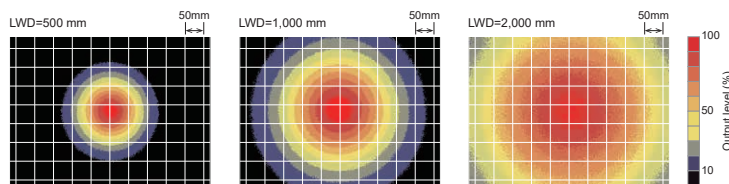


HLDR3-100SW-DF-W (Wide Type)



Uniformity (Relative irradiance)

The data included is for reference only. Actual values may vary.



Lineup Model Name Endings: Narrow Type, -M: Medium Type, -W: Wide Type

Model Name *1	Input Voltage	Power Consumption				Options	Extension Cables	Recommended Control Units	Weight
		RD (Red)	SW (White)	BL (Blue)	IR (Infrared)				
HLDR3-100□□-DF-N	24 V	15 W				—	FCB ^{*2} Straight Cable FCB-W ^{*3} 2-Branch Cable FCB-F 4-Branch Cable FRCB Robot Cable	PD4 PD3	340 g
HLDR3-100□□-DF-M									340 g
HLDR3-100□□-DF-W									310 g

Note: Please inquire if you would like to use in combination with a strobe control unit (override Type)

*1 □□ in the model name contains the LED color.

(RD: Red, SW: White, BL: Blue, IR: Infrared)

*2 Cables with a model name that ends with "-ME7", "-EL2", "-PF", or "-PF-EL9" are not included.

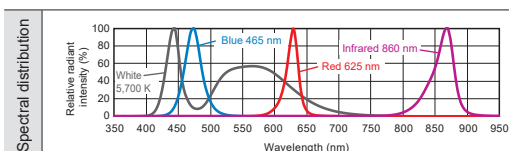
*3 Cables with a model name that ends with "-EL2" are not included.

Extension Cables ▶ P.371

Control Unit Selection Guide ▶ P.305

List of Control Unit Specifications ▶ P.307

LED Properties

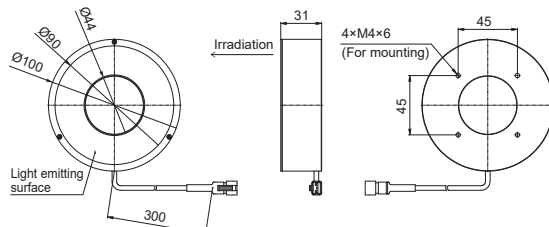


Lens filters suitable for each wavelength are available.
For details about the lens filter, refer to P.359.

Be sure to read the User Manual included with the product before use and follow the safety precautions upon use.
The data included is for reference only. Actual values may vary.

Dimensions (mm)

HLDR3-100□□DF-N / -M / -W (common dimensions)
(□□=RD, SW, BL, IR)



You can inquire using our website.

Sample Testing	Light Unit Selection	Free Product Trial	Custom Orders	Product Details	Pricing/Quotation	Discontinued Products
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Inquire on our website here.
<https://www.ccs-grp.com/contact/>