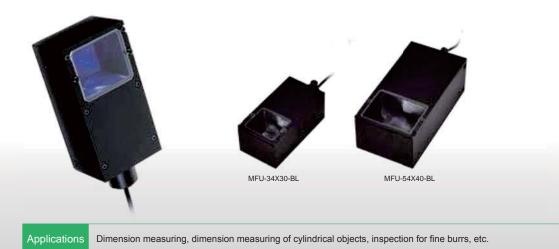
Coaxial Lights MFU Series

Provides light with high parallelism using original lighting technology

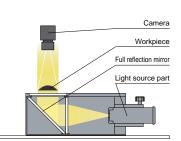


Features

We achieved collimated lighting through unique lighting technology. It allows for highly-accurate imaging that prevents light from wrapping around the workpiece. It allows for convergence to match the imaging-side lens in use.

We accept custom orders. Please feel free to inquire.

 Shape modifications Brightness increasesChanges in wavelength, etc.



Example configuration (MFU-34×30)

Imaging example: Imaging the appearance of screws



LED Flat Light With a Flat Light, the illuminated

light wraps around the workpieces, making it difficult to emphasize the edges.

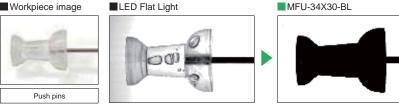
MFU-34X30-BL



It prevents the illuminated light from wrapping around. allowing for the edges to be emphasized.

Comparison of Imaging with a Flat Light and Collimated Light

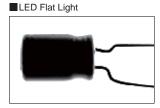
Imaging example: Imaging the appearance of push pins



When the user looks at a clear resin push pin with diffused light from a Flat Light illuminated from the rear, the clear part appears clear. However, with collimated light, the light is refracted by the clear resin, and the whole pin appears black.

Imaging example: Imaging the appearance and dimensions of capacitors

Workpiece image And the



Product

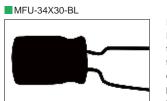
Brochure

Instruction Guides

3D CAD

Data

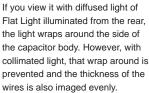
Sheets



Imaging

Exampl

Digital



www.hours-web.com



Direct L

Lighting

Diffused L

HL TH2 (5 types) TH

> LFL HPD2 Diffused Lighting LDM2 LAV PDM

LFX3 LFX3-PT LFV3 MSU MFU

> PF Strol

UV2 U٧

IR2

IU

HLV3

HLV2 LV

LSP Ę. HFS/HFR HLV3-NR

HLV3-3M-RGB-4

HLV2-3M-RGB-3W

HLV2-NR Spot

PFBR

PFB3

PFB2 LNLP aent Liahtina

LNSP2 LNSP Coaxial Units

> LNSP-FN LN/LN-HK

LNSD nting

LND2 HLND

LNV

LNDG LNIS2

> LNIS Dblique

LNIS-FN

Telecentric Lens Macro Lens

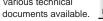
115

Diffused LT

HLDR-IP/ HSL-PCL

LNSP-UV-FN

Various technical



Capacitors

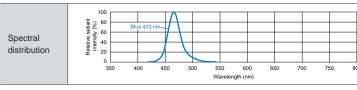


Drawing

						2		2				
	Control Unit Selection Guide	List of Control Unit Specifications ► P.253		Options	Examples of 0 Ordered Pro		Examples of Application	Regulations, Etc.				
	► P.251			► P.299	► P.30	9	► P.315	► P.	► P.333		ty L	
	Lineup										Coaxial Lights	
	Model name	LED color	LED color Power consumption		Options	Extension cat		mended ol Units	Weight		Ő Ö	
	MFU-34X30-BL	Blue	12 V / 0.3 W	470 nm		CB Straight Cable CB-W	 PD2*]	185 g	-		
-	MFU-54X40-BL	Blue	12 V / 0.3 W	470 nm	-	2-branch Cable CB-F 4-branch Cable RCB	PSB*	PTU2*	350 g	-	LDR2 LDR2-LA LDR-LA1	

LED Properties

*Because the MFU series is for 12 V input, please select a Control Unit with a 12 V output.



Extension Cables P.308

Offers you the most suitable lens filter for each wavelength. For details about the lens filter, refer to P.299.

List of Control Unit Specifications P.253

Robot Cable

Control Unit Selection Guide P.251

SQR SQR-TF

HPR2 LFR LKR FPR FPQ2 LDL2

LDLB HLDL2 HL

TH

LFL

HPD2

LDM2

LAV PDM

LFX3 LFX3-P1

LFV3 MSU MFU Strobe Lighting Water-proof HLDR-IP/ HSL-PCL

UV2 UV2 UV LNSP-UV-FN

HLV3 HLV2 LV

LSP

PFBR PFB3 PFB2

LNLP

LNSP2

LNSP

LNSD LND2 HLND

LT LNV Angled LNDG

LNIS2 Colique Lighti TNIS

LNIS-FN

Telecentric Lens

Macro Lens

116

Coaxial Units LNSP-FN

Lighting L

Intensity Control ΙU

> Etc. HFS/HFR

Lighting, HLV3-NR HLV3-3M-RGB-4

Spot HLV2-NR HLV2-3M-RGB-3W

ergent Lighting

Conv LN/LN-HK

Diffused Lighting

-enses

Diffused Lighting

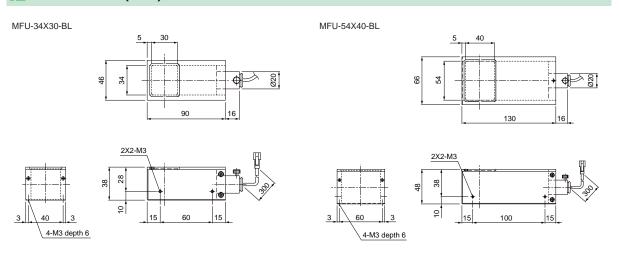
TH2 (5 types

Direct L

Diffused Lighting

Be sure to read the "Instruction Guide" 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)



Regarding the Procedure for Usage

- 1) Set the item to be inspected and determine the imaging range.
- 2) Set this product and determine the distance between the lens and the camera (LWD).
- 3) Align this product's light axis with the center of the imaging field of vision.
- 4) Adjust intensity.

For details about the procedure for usage, refer to the material "MFU Series Operating Procedures" on our website. You can download this information from the product website page.



