

Provides light output that exceeds that of a 250 W metal halide light source



We accept custom orders for red, blue, and green light.

Contact your sales representative for details.



The supplied AC cord is for use with 100 to 120 VAC. If you want to use the Light Source Unit with 200 to 240 VAC, you must procure another appropriate AC power cord.

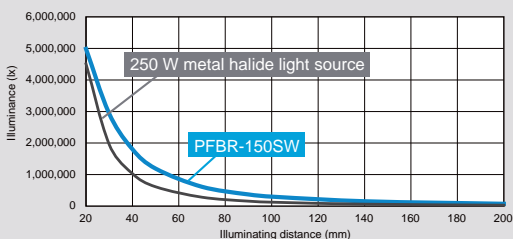
Applications Connect to light guides and use as a light source

Caution This product emits high-intensity visible light. Materials that absorb light may convert that light into heat and be damaged. Check the instructions in the "Instruction Guide" and use this product in a safe manner.

Achieves the Highest Level in the Industry with 2 Million lx*

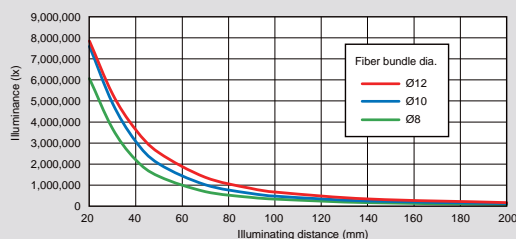
* Actual measurement values with a bundle of Ø10 mm, a straight light guide with a total length of 1,080 mm installed, and at a position 50 mm away from the fiber output edge. Results for individual products may vary.

LED light source unit that exceeds a 250 W metal halide light source



Actual measurement values with intensity of 100%, bundle of Ø8 mm, a straight light guide with a total length of 1,100 mm installed, and at positions at each illuminating distance away from the fiber output edge. Results for individual products may vary.

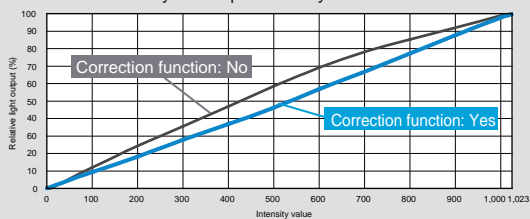
Optical design is optimized for all types of fiber to provide high output



Actual measurement values with intensity of 100%, bundles of Ø8, 10, and 12 mm, a straight light guide with a total length of 1,080 mm installed, and at positions at each illuminating distance away from the fiber output edge. Results for individual products may vary.

1,024-Step Intensity, Linear Characteristics with Reproducibility

Our unique correction function is a standard function. Provides linearity with reproducibility

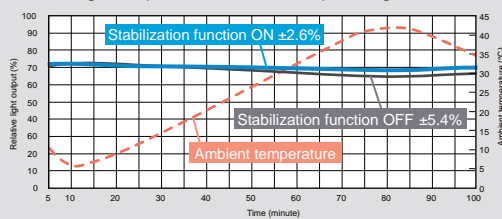


Actual measurement values using our measurement conditions. Results for individual products may vary. The correction function of this product is always set to "Yes".

- Intensity value can be adjusted in steps
 - 1,024-step intensity (10-bit)
 - 256-step intensity (8-bit)

Equipped with a Light Output Stabilization (Feedback) Function

Stable light output even in severe operating environments



Actual measurement values using our measurement conditions. Results for individual products may vary. Stabilization function is set to OFF when shipped from the factory.

Standard Compatibility with Three Types of Light Guides

Check the dimensions of the light guide to be used before selecting an adapter.

- For details, refer to *Dimensions of the light guide adapters* chart on P. 170.
- Be careful as plastic fiber cannot be used.
- A light guide adapter is not provided with the LED Light Source. Order one separately.

External Control with a Large Variety of Communication Methods

Digital communication control: Compatible with sink and source types

Analog communication control: Intensity control from 0 to 5 V

Serial communication control: RS-232C

Ethernet communication control: TCP/IP and UDP/IP protocols

Lineup

Model name	LED color	Correlated color temperature	Power consumption	Light guide adapters	External control cables	Weight					
PFBR-150SW-MN	White	6,500 K	200 VA	<table border="1"> <tr><td>AD-PFBR-150-MO</td></tr> <tr><td>AD-PFBR-150-HY</td></tr> <tr><td>AD-PFBR-150-SU</td></tr> </table>	AD-PFBR-150-MO	AD-PFBR-150-HY	AD-PFBR-150-SU	<table border="1"> <tr><td>Parallel communication cable</td></tr> <tr><td>Serial communication cable</td></tr> </table>	Parallel communication cable	Serial communication cable	3,900 g
AD-PFBR-150-MO											
AD-PFBR-150-HY											
AD-PFBR-150-SU											
Parallel communication cable											
Serial communication cable											

Dimensions of the light guide adapters chart (mm)

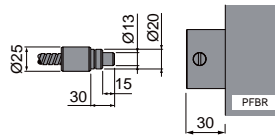
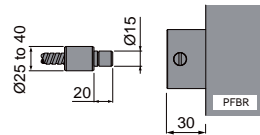
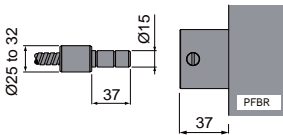
Select a light guide adapter when you evaluate the LED Light Source.

Options

Model name: AD-PFBR-150-MO

Model name: AD-PFBR-150-HY

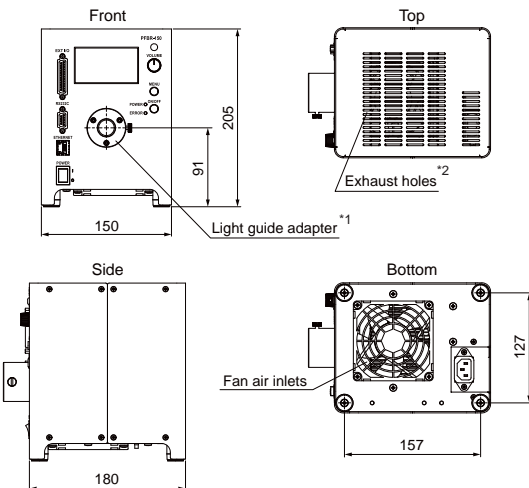
Model name: AD-PFBR-150-SU



Caution

- Be careful as plastic fiber cannot be used.
- Please be aware that the light guide adapter must be installed after purchase by the customer. Inquire with the sales representative regarding sizes not listed here.

Dimensions (mm)



*1 A light guide adapter is not provided with the LED Light Source. Order one separately. The shape of the light guide adapter depends on the details of the order.

*2 Installation method: Do not place any objects within 100 mm of the exhaust holes on the top panel.

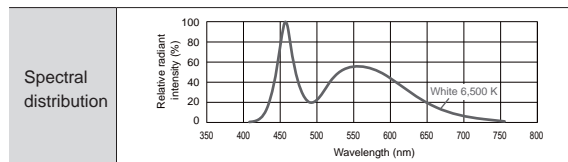
We accept custom orders. Please feel free to inquire.

- Changes in wavelength (red, blue, and green)
- Change in light distribution angle, etc.

Specifications

Applicable fiber bundle diameter	Ø8 to Ø14 mm
Light distribution angle	Total angle of 30°
Drive method	Constant-current system
Intensity control method	Variable-current control
Number of channels	1 channel
Input power supply	100 to 240 VAC (±10%), 50/60 Hz
Power consumption (typ.)	200 VA
Inrush current (typ.)	15 A at 100 VAC, 30 A at 200 VAC From a cold start
Ground leakage current	3.5 mA max. (264 VAC, 60 Hz, with no load)
Insulation withstand voltage (Input-FG)	1,500 VAC 1-min. cutoff current 10 mA 500 VDC 20 MΩ min.
Operating environment	Temperature: 5 to 40°C, Humidity: 20% to 80%RH (with no condensation) Altitude: 2,000 m max., Transient overcurrent: Category II, Pollution level: 2
Storage environment	Temperature: -15 to 60°C Humidity: 20% to 85%RH (with no condensation)
Cooling method	Forced air cooling
CE marking	Safety standard: Conforms to EN61010-1 EMC standard: Conforms to EN61000-6-2 and EN61000-6-4
Environmental regulations	RoHS compliant
Material, coating, surface processing	Aluminum alloy (black alumite)
Accessories	Instruction Guide x 1, 3-prong AC cord with ground terminal (2 m) x 1

LED Properties

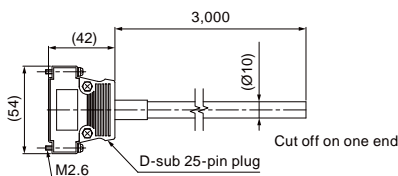


Be sure to read the "Instruction Guide" included with the product before use and follow the safety precautions upon use. The data included is for reference only. Actual values may vary.

Options

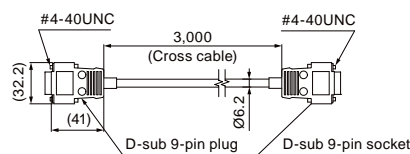
External control cable: EXCB2-25M-3

Parallel communication cable (Compatible with digital and analog intensity)



External control cable: EXCB2-9M-9F-3-CR

Serial communication cable (RS-232C)



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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Direct Lighting	LDR2
	LDR2-LA
	LDR-LA1
	SQR
	SQR-TP
Diffused Lighting	HPR2
	LFR
	LKR
	FPR
	FPQ2
Direct Lighting	LDL2
	LDLB
	HLDL2
	HL
	TH2 (5 types)
	TH
Diffused Lighting	LFL
	HPD2
	LDM2
	LAV
	PDM
	LFX3
	LFX3-PT
	LFV3
Coaxial Lighting	MSU
	MFU
Strobe Lighting	PF
Water-proof Lighting	HLDR-IP/
	HSL-PCL
Ultraviolet Lighting	UV2
	UV
	LNSP-UV-FN
Intensity Control	IR2
	IU
Spot Lighting, Etc.	HLV3
	HLV2
	LV
	LSP
	HFS/HFR
	HLV3-NR
	HLV3-3M-RGB-4
	HLV2-NR
	HLV2-3M-RGB-3W
	PFBR
	PFB3
	PFB2
Convergent Lighting	LNLP
	LNSP2
	LNSP
	Coaxial Units
	LNSP-FN
	LN/LN-HK
Diffused Lighting	LNSD
	LND2
	HLND
	LT
	LNV
Oblique-Angled Lighting	LNDG
	LNIS2
	LNIS
	LNIS-FN
Lenses	Telecentric Lens
	Macro Lens