

# LED Light Sources

## PFB2 series

Refer to our website for product details.

CCS PFB2

Search



You can also use your smartphone or cell phone.

Use a search engine.

Provides light output that exceeds that of a 100 W halogen light source



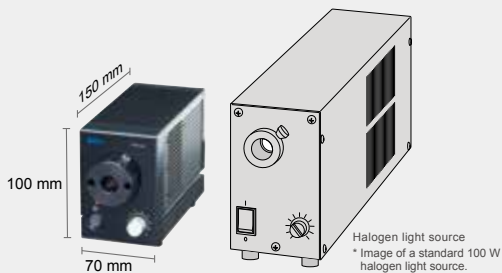
(Without external control)

(With external control)

**Applications** Connect to light guides and use as a light source

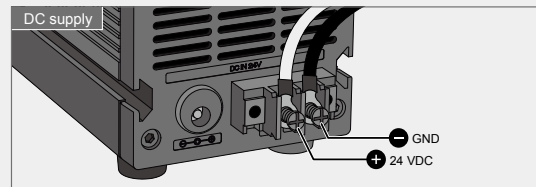
### Compact size that can be installed anywhere

70 mm wide, 150 mm deep, and 100 mm tall, this compact design helps save space.

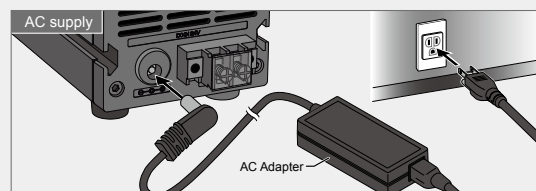


### Select a power supply to match your actual environment

The terminal block on the unit rear supports 24 VDC input. With an optional AC adapter, it can also support 100 to 240 VAC input. You can make a selection to match your actual environment.



Use the terminal block on the rear of this unit for 24 VDC input.



Use the optional AC adapter for 100 to 240 VAC input. (Model name: ADP2460-PFB-JT)

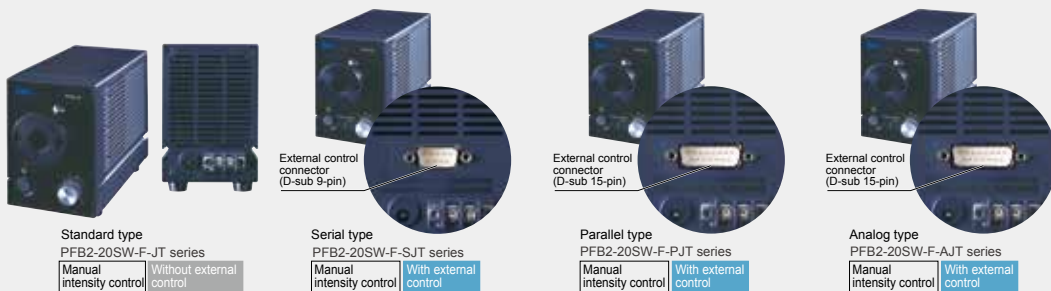
### Supports major light guide manufacturers

Supports major light guide manufacturers (5 Japanese companies, 6 international companies).

\* For details, refer to the Light Guide Adapter Dimensions Chart on P. 122.

### Selectable external control

The lineup includes a model where intensity can only be manually adjusted, and models that allow for external control. There are three types of external control: serial, parallel, and analog. ON/OFF control and intensity control are possible by each control type.



We have various materials.

PDF Drawings

DXF Drawings

3D CAD

Instruction Guides

Product Filers

Imaging Samples

Data Sheets

Examples of Custom Ordered Products

Download here.

<http://www.ccs-grp.com/dl/>

LDR2	Direct Lighting
LDR2-LA	Direct Lighting
LDR-LA1	Direct Lighting
SQR	Direct Lighting
SQR-TP	Direct Lighting
HLDR-IP	Convergent Lighting
HPR2	Diffused Lighting
HPR	Diffused Lighting
LFR	Diffused Lighting
LKR	Diffused Lighting
FPR	Diffused Lighting
FPQ2	Direct Lighting
LDL2	Direct Lighting
LDLB	Direct Lighting
HLDL2	Direct Lighting
TH	Diffused Lighting
LFL	Diffused Lighting
HPD2	Diffused Lighting
HPD	Diffused Lighting
LDM2	Diffused Lighting
LAV	Diffused Lighting
PDM	Diffused Lighting
LFX2	Diffused Lighting
LFV3	Diffused Lighting
LFV2	Diffused Lighting
MSU	Collimated Lighting
MFU	Collimated Lighting
UV2	Ultraviolet Lighting
UV	Ultraviolet Lighting
LNSP-UV-FN	Ultraviolet Lighting
IR2	Infrared Lighting
HLV2	Spot Lighting, Etc.
LV	Spot Lighting, Etc.
LSP	Spot Lighting, Etc.
HFS/HFR	Spot Lighting, Etc.
HLV2-NR	Spot Lighting, Etc.
HLV2-3M-RGB-3W	Spot Lighting, Etc.
PFB2	Spot Lighting, Etc.
PFBR	Spot Lighting, Etc.
LNSP	Convergent Lighting
CU-LNSP	Convergent Lighting
LNSP-FN	Convergent Lighting
LN/LN-HK	Convergent Lighting
LNLD	Diffused Lighting
LND2	Diffused Lighting
HLND	Diffused Lighting
LT	Diffused Lighting
LNW/HLDN	Diffused Lighting
LNIS	Coblique Angled Lighting
LNIS-FN	Coblique Angled Lighting
Telecentric Lens	Lenses
Macro Lens	Lenses

## Lineup

Model name	LED color	Power consumption	Options	Weight
PFB2-20SW-F-JT-□□□	White	15 W	AC Adapter	1,200 g
PFB2-20SW-F-SJT-□□□			AC Adapter External control cable (Serial type)	
PFB2-20SW-F-PJT-□□□			AC Adapter	
PFB2-20SW-F-AJT-□□□			AC Adapter External control cable (Parallel, Analog type)	

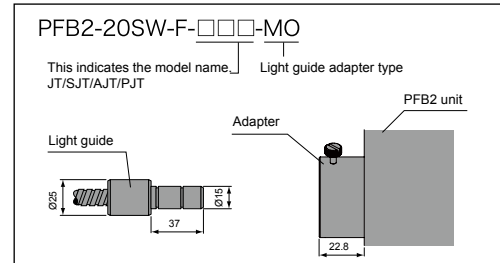
How to read the lineup selection chart

LED Properties: Light Spectrum ▶ P.234

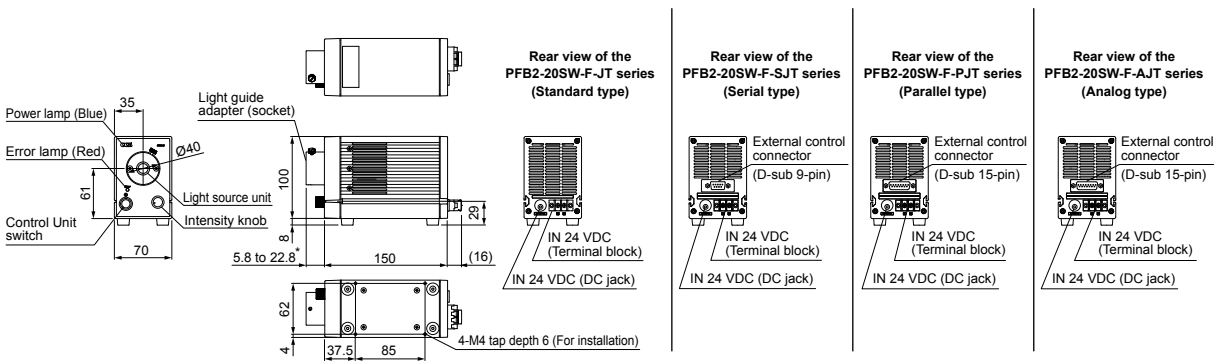
PFB2-20SW-F-JT-□□□	
Model name	This indicates the light guide adapter type.
JT/SJT/AJT/PJT	-MO/-NP/-MI/-HY/-SU/-VL/-TF/-TE/-SH1/-SH2/ -DJ1/-DJ2/-DJ3/-DJ4/-CS1/-IT

\* Inquire with your light guide manufacturer for details about the light guide.  
\* Installation method: Do not place anything within 50 mm of the fan exhaust outlet on the rear, the air inlets on the left and right sides, and the top of the PFB2 unit.

How to read light guide adapter dimensions chart



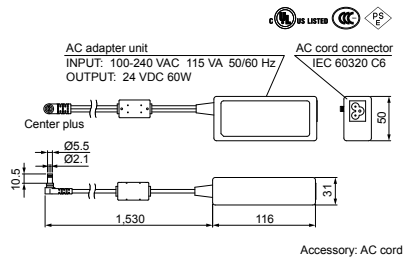
## Dimensions (mm)



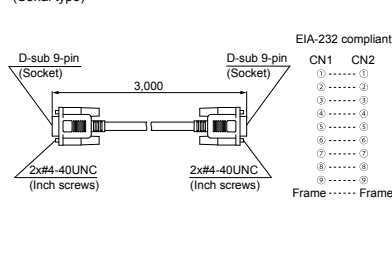
\* The dimensions of the connection adapter (socket) vary based on the light guide in use. For details, refer to our website or inquire with your CCS sales representative.

## Options

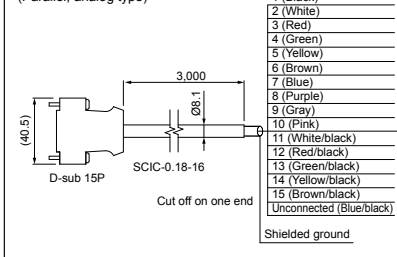
AC adapter: ADP2460-PFB-JT



External control cable: EXCB2-9-9-3-ST  
(Serial type)



External control cable: EXCB2-B3  
(Parallel, analog type)



## Light guide adapter dimensions chart (mm)

PFB2-20SW-F-□□□-MO Ø25 to 32, 37, 22.8	PFB2-20SW-F-□□□-NP Ø25 to 35, 31, 16.8	PFB2-20SW-F-□□□-MI Ø20 to 31, 21, 6.8	PFB2-20SW-F-□□□-HY Ø25 to 40, 20, 5.8
PFB2-20SW-F-□□□-SU Ø25, 30, 15, 15.8	PFB2-20SW-F-□□□-VL Ø18, 22.2, 8	PFB2-20SW-F-□□□-TF Ø25 to 30, 30, 15.8	PFB2-20SW-F-□□□-TE Ø18, 12.7, 11.8
PFB2-20SW-F-□□□-SH1 Ø22.1, Ø15.9, Ø18.2, 18.3, 6.4, 11.5	PFB2-20SW-F-□□□-SH2 Ø22, Ø18.24, 25, 10.8	PFB2-20SW-F-□□□-DJ1 Ø10.72, 12.7, 11.8	PFB2-20SW-F-□□□-DJ2 Ø15.6, Ø14.27, 12.7, 11.8
PFB2-20SW-F-□□□-DJ3 Ø15.86, Ø11.13, 12.7, 11.8	PFB2-20SW-F-□□□-DJ4 Ø6.35, Ø4.72, 12.7, 11.8	PFB2-20SW-F-□□□-CS1 Ø14, Ø8, 12, 17.8	PFB2-20SW-F-□□□-IT Ø15.875, 31.65, 17.45

\* Common for the series

\* Only for use with the CCS Micro Fiber Head HPS/HFR series.

You can inquire using our website.

Requests for Light Unit Selection

Requests for Loan Products

Requests for Estimates

Requests for a Catalog

Product Inquiries

Other Inquiries

Inquire on our website here.  
<http://www.ccs-grp.com/contact/>

Direct Lighting	LDR2 LDR2-LA LDR-LA1 SQR SQR-TP
Convergent Lighting	HLDR-IP
Diffused Lighting	HPR2 HPR LFR LKR FPR FPQ2
Direct Lighting	LDL2 LDLB HLDL2
	TH LFL HPD2
Diffused Lighting	HPD LDM2 LAV PDM LFX2 LFV3 LFV2
Collimated Lighting	MSU MFU
Ultraviolet Lighting	UV2 LNSP-UV-FN
Infrared Lighting	IR2
Spot Lighting, Etc.	HLV2 LV LSP HFS/HFR HLV2-NR HLV2-3M-RGB-3W PFB2 PFBR
Convergent Lighting	LNSP CU-LNSP LNSP-FN LN/LN-HK
Diffused Lighting	LNSD LND2 HLND LT LNV/HLDN
Oblique Angled Lighting	LNIS LNIS-FN
Lenses	Telecentric Lens Macro Lens