

Product Discontinuation

Light Convergent Reflection Sensor

B5W-LA01 STD**Recommended Replacement**

Light Convergent Reflection Sensor

B5W-LB2101-1**[Final order entry date]**

The end of March, 2025

[Date of The Last Shipping]

The end of March, 2025

[Caution on recommended replacement]

Although the approximate dimensions and performance are the same, it is not a completely compatible product. Please refer to the catalogue or specifications for the exact contents.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
B5W-LB2101	**	*	**	*	*	*	*

** : Compatible

* : The change is a little/Almost compatible



-- : Not compatible

- : No corresponding specification

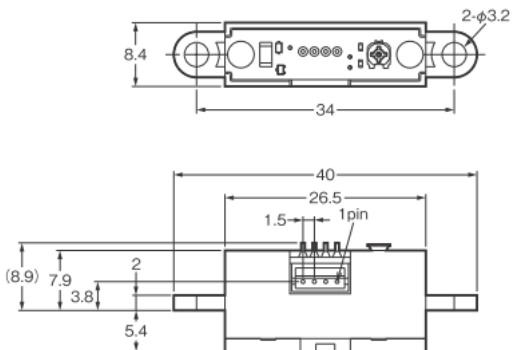
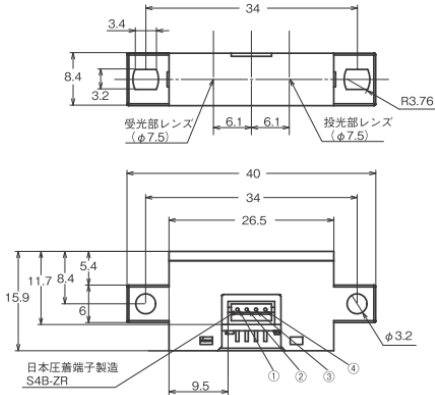
[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
B5W-LA01 STD	B5W-LB2101-1

[Body color]

Product discontinuation B5W-LA01 STD	Recommendable replacement B5W-LB2101-1
BLACK 	BLACK 

[Dimensions]

Product discontinuation B5W-LA01 STD	Recommendable replacement B5W-LB2101-1
External dimensions 40mm×14.3mm×8.4mm 	External dimensions 40mm×15.9mm×8.4mm 

[Wire connection]

Product discontinuation B5W-LA01 STD

Terminal arrangement

Wire connection

PIN number	Terminal name	Remarks
1	Pulse	Pulse input pin
2	GND	Ground pin
3	Vout	Output voltage pin
4	Vcc	Input voltage pin

Unless otherwise specified, the tolerances are ± 0.3 mm.

Connector type
: JST S4B-ZR
Number of pins
: 4 pin

Recommendable replacement B5W-LB2101-1

Table body style1

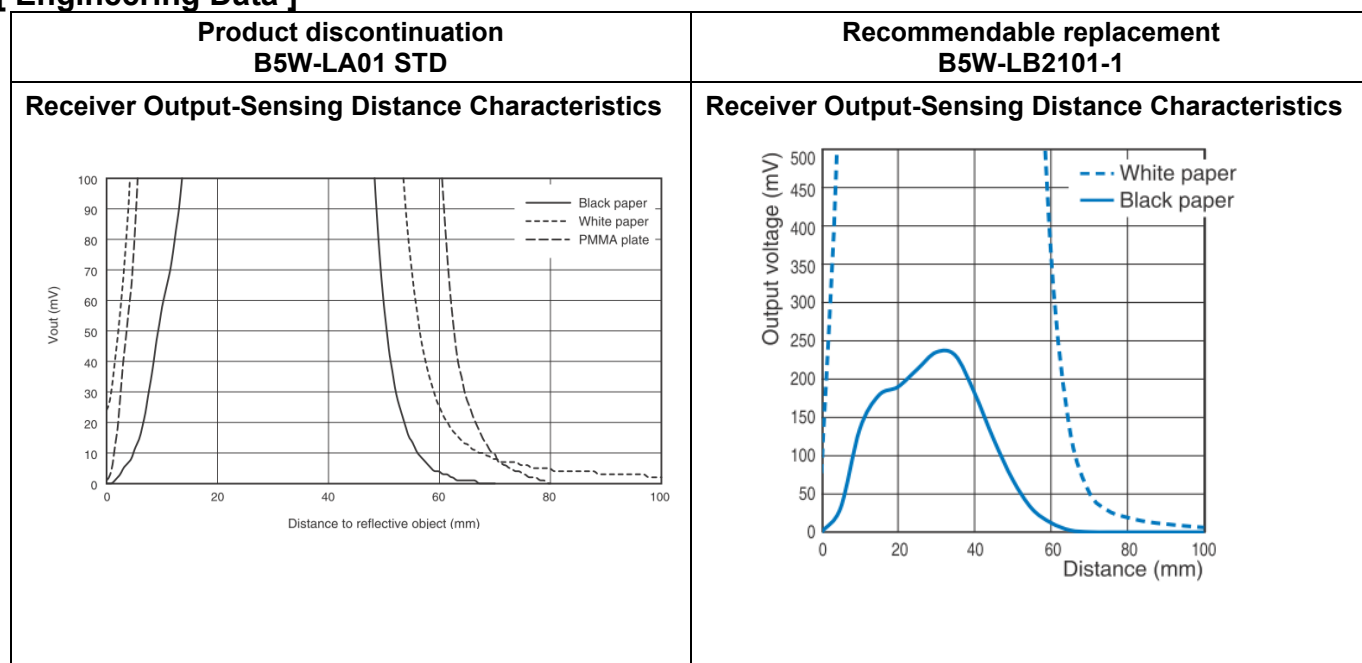
Wire connection

端子記号	名称
①	Pulse
②	GND
③	Vout
④	Vcc

[Characteristics]

Item	Product discontinuation B5W-LA01 STD	Recommendable replacement B5W-LB2101-1
Power supply voltage	Absolute Maximum Ratings 5.5V	Absolute Maximum Ratings 5.5V
Operating temperature	—10~+60°C	—10~+60°C
Storage temperature	—25~+80°C	—25~+80°C
Maximum output voltage	(TYP) 3.3V	(TYP) 3.3V
Output voltage (Far)	(MAX) 30mV At L=70mm by White paper	*Non-sensing distance(White paper)
Output voltage(Near)	(MIN) 70mV At L=22.8mm by Black paper	*Sensing distance(Black paper)
Sensing distance (Black paper)	—	(MIN) 10mm (MAX) 40mm Black paper, $V_o \geq 70\text{mV}$
Sensing distance (White paper)	*Output voltage(Far)	(MIN) 10mm (MAX) 55mm White paper, $V_o \geq 70\text{mV}$
Non-sensing distance (White paper)	*Output voltage(Near)	(MIN) 85mm White paper, $V_o < 30\text{mV}$

[Engineering Data]



Specifications and prices in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.