

# Change Notice KB, LB, YB & YB2 Series

## Change to Super Bright White LED Specifications for KB, LB, YB & YB2 Illuminated Pushbuttons

Type of Change:

- Engineering     Part Number
- Product         Appearance



KB & YB Illuminated Pushbuttons

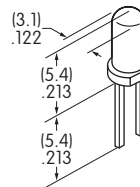
The KB, LB, YB and YB2 Illuminated Pushbuttons will have a change to the specifications for Super Bright White LEDs. The change will effect all illuminated switches and indicators with AT631B, both standard and custom. The specification changes are outlined below, followed by effected standard part numbers.

### Electrical Specifications for AT631B LED

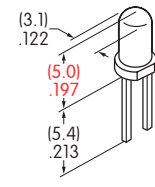
Super Bright White AT631B	ATTENTION ELECTROSTATIC SENSITIVE DEVICES	Electrical specifications are determined at a basic temperature of 25°C.		Before Change	After Change
		 T-1 Bi-pin 		Single element LED is colored in OFF state.	
		Maximum Forward Current	$I_{FM}$	30mA	30mA
		Typical Forward Current	$I_F$	20mA	20mA
		Forward Voltage	$V_F$	3.6V	3.3V
		Maximum Reverse Voltage	$V_{RM}$	5	7
		Current Reduction Rate Above 25°C	$\Delta I_F$	0.50 mA/°C	0.40 mA/°C
		Ambient Temperature Range		-25 ~ +50 °C	-25 ~ +50 °C

Super Bright LED AT631B  
Change to Dimensions

Before Change

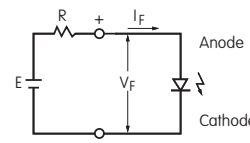


After Change



**Notes**

- The LED circuit is isolated and requires an external power source.
- If the source voltage exceeds the rated voltage, a ballast resistor is required. The resistor value can be calculated by using the formula shown here.
- The changes to LED specifications do not effect any external dimensions of the switches.
- No changes to the Green (6F) or Blue (6G) Super Bright LEDs.
- Contact the factory if further details are needed.



$$R = \frac{E - V_F}{I_F}$$

Where: R = Resistor Value (Ohms)  
 E = Source Voltage (V)  
 V<sub>F</sub> = Forward Voltage (V)  
 I<sub>F</sub> = Forward Current (A)

**Effective Date**

Changes to AT631B Super Bright White LEDs will be effective April 2016.

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# Change Notice

# KB, LB, YB & YB2 Series

## KB Part Numbers Effected by AT631B LED Change

Single Pole Switches		Double Pole Switches	
KB15SKW01-6B-JB	KB16SKW01-6B-JB	KB25SKW01-6B-JB	KB26SKW01-6B-JB
KB15CKW01-6B-JB	KB16CKW01-6B-JB	KB25CKW01-6B-JB	KB26CKW01-6B-JB
KB15RKW01-6B-JB	KB16RKW01-6B-JB	KB25RKW01-6B-JB	KB26RKW01-6B-JB
KB15KKW01-6B-JB	KB16KKW01-6B-JB	KB25KKW01-6B-JB	KB26KKW01-6B-JB
KB15MKW01-6B-JB	KB16MKW01-6B-JB	KB25MKW01-6B-JB	KB26MKW01-6B-JB
KB15NKW01-6B-JB	KB16NKW01-6B-JB	KB25NKW01-6B-JB	KB26NKW01-6B-JB
KB15SKG01-6B-JB	KB16SKG01-6B-JB	KB25SKG01-6B-JB	KB26SKG01-6B-JB
KB15CKG01-6B-JB	KB16CKG01-6B-JB	KB25CKG01-6B-JB	KB26CKG01-6B-JB
KB15RKG01-6B-JB	KB16RKG01-6B-JB	KB25RKG01-6B-JB	KB26RKG01-6B-JB
KB15KKG01-6B-JB	KB16KKG01-6B-JB	KB25KKG01-6B-JB	KB26KKG01-6B-JB
KB15MKG01-6B-JB	KB16MKG01-6B-JB	KB25MKG01-6B-JB	KB26MKG01-6B-JB
KB15NKG01-6B-JB	KB16NKG01-6B-JB	KB25NKG01-6B-JB	KB26NKG01-6B-JB
KB15SKW01B-6B-JB	KB16SKW01B-6B-JB	KB25SKW01B-6B-JB	KB26SKW01B-6B-JB
KB15RKW01B-6B-JB	KB16RKW01B-6B-JB	KB25RKW01B-6B-JB	KB26RKW01B-6B-JB
KB15KKW01B-6B-JB	KB16KKW01B-6B-JB	KB25KKW01B-6B-JB	KB26KKW01B-6B-JB
KB15NKW01B-6B-JB	KB16NKW01B-6B-JB	KB25NKW01B-6B-JB	KB26NKW01B-6B-JB
KB15SKG01B-6B-JB	KB16SKG01B-6B-JB	KB25SKG01B-6B-JB	KB26SKG01B-6B-JB
KB15RKG01B-6B-JB	KB16RKG01B-6B-JB	KB25RKG01B-6B-JB	KB26RKG01B-6B-JB
KB15KKG01B-6B-JB	KB16KKG01B-6B-JB	KB25KKG01B-6B-JB	KB26KKG01B-6B-JB
KB15NKG01B-6B-JB	KB16NKG01B-6B-JB	KB25NKG01B-6B-JB	KB26NKG01B-6B-JB
KB Indicators			
KB01KW01-6B-JB	KB03KW01-6B-JB	KB05KW01-6B-JB	
KB02KW01-6B-JB	KB04KW01-6B-JB	KB06KW01-6B-JB	

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# Change Notice

# KB, LB, YB & YB2 Series

## LB Part Numbers Effected by AT631B LED Change

Single Pole Switches		Double Pole Switches	
LB15SKW01-6B-JB	LB16SKW01-6B-JB	LB25SKW01-6B-JB	LB26SKW01-6B-JB
LB15CKW01-6B-JB	LB16CKW01-6B-JB	LB25CKW01-6B-JB	LB26CKW01-6B-JB
LB15RKW01-6B-JB	LB16RKW01-6B-JB	LB25RKW01-6B-JB	LB26RKW01-6B-JB
LB15SGW01-6B-JB	LB16SGW01-6B-JB	LB25SGW01-6B-JB	LB26SGW01-6B-JB
LB15CGW01-6B-JB	LB16CGW01-6B-JB	LB25CGW01-6B-JB	LB26CGW01-6B-JB
LB15RGW01-6B-JB	LB16RGW01-6B-JB	LB25RGW01-6B-JB	LB26RGW01-6B-JB
LB15SKG01-6B-JB	LB16SKG01-6B-JB	LB25SKG01-6B-JB	LB26SKG01-6B-JB
LB15CKG01-6B-JB	LB16CKG01-6B-JB	LB25CKG01-6B-JB	LB26CKG01-6B-JB
LB15RKG01-6B-JB	LB16RKG01-6B-JB	LB25RKG01-6B-JB	LB26RKG01-6B-JB
LB15SGG01-6B-JB	LB16SGG01-6B-JB	LB25SGG01-6B-JB	LB26SGG01-6B-JB
LB15CGG01-6B-JB	LB16CGG01-6B-JB	LB25CGG01-6B-JB	LB26CGG01-6B-JB
LB15RGG01-6B-JB	LB16RGG01-6B-JB	LB25RGG01-6B-JB	LB26RGG01-6B-JB
Single Pole Panel Seal Switches		Double Pole Panel Seal Switches	
LB15WKW01-6B-JB	LB16WKW01-6B-JB	LB25WKW01-6B-JB	LB26WKW01-6B-JB
LB15WGW01-6B-JB	LB16WGW01-6B-JB	LB25WGW01-6B-JB	LB26WGW01-6B-JB
LB15WKG01-6B-JB	LB16WKG01-6B-JB	LB25WKG01-6B-JB	LB26WKG01-6B-JB
LB15WGG01-6B-JB	LB16WGG01-6B-JB	LB25WGG01-6B-JB	LB26WGG01-6B-JB
LB Indicators			
LB01KW01-6B-JB	LB02KW01-6B-JB	LB03KW01-6B-JB	
LB01GW01-6B-JB	LB02GW01-6B-JB	LB03GW01-6B-JB	

# Change Notice

# KB, LB, YB & YB2 Series

## YB Part Numbers Effected by AT631B LED Change

Single Pole Switches		Double Pole Switches	
YB15SKW01-6B-JB	YB16SKW01-6B-JB	YB25SKW01-6B-JB	YB26SKW01-6B-JB
YB15CKW01-6B-JB	YB16CKW01-6B-JB	YB25CKW01-6B-JB	YB26CKW01-6B-JB
YB15RKW01-6B-JB	YB16RKW01-6B-JB	YB25RKW01-6B-JB	YB26RKW01-6B-JB
YB15KKW01-6B-JB	YB16KKW01-6B-JB	YB25KKW01-6B-JB	YB26KKW01-6B-JB
YB15MKW01-6B-JB	YB16MKW01-6B-JB	YB25MKW01-6B-JB	YB26MKW01-6B-JB
YB15NKW01-6B-JB	YB16NKW01-6B-JB	YB25NKW01-6B-JB	YB26NKW01-6B-JB
YB15SKW03-6B-JB	YB16SKW03-6B-JB	YB25SKW03-6B-JB	YB26SKW03-6B-JB
YB15CKW03-6B-JB	YB16CKW03-6B-JB	YB25CKW03-6B-JB	YB26CKW03-6B-JB
YB15RKW03-6B-JB	YB16RKW03-6B-JB	YB25RKW03-6B-JB	YB26RKW03-6B-JB
YB15KKW03-6B-JB	YB16KKW03-6B-JB	YB25KKW03-6B-JB	YB26KKW03-6B-JB
YB15MKW03-6B-JB	YB16MKW03-6B-JB	YB25MKW03-6B-JB	YB26MKW03-6B-JB
YB15NKW03-6B-JB	YB16NKW03-6B-JB	YB25NKW03-6B-JB	YB26NKW03-6B-JB
YB15SKG01-6B-JB	YB15SKG01-6B-JB	YB25SKG01-6B-JB	YB26SKG01-6B-JB
YB15CKG01-6B-JB	YB15CKG01-6B-JB	YB25CKG01-6B-JB	YB26CKG01-6B-JB
YB15RKG01-6B-JB	YB15RKG01-6B-JB	YB25RKG01-6B-JB	YB26RKG01-6B-JB
YB15KKG01-6B-JB	YB15KKG01-6B-JB	YB25KKG01-6B-JB	YB26KKG01-6B-JB
YB15MKG01-6B-JB	YB15MKG01-6B-JB	YB25MKG01-6B-JB	YB26MKG01-6B-JB
YB15NKG01-6B-JB	YB15NKG01-6B-JB	YB25NKG01-6B-JB	YB26NKG01-6B-JB
YB15SKG03-6B-JB	YB15SKG03-6B-JB	YB25SKG03-6B-JB	YB26SKG03-6B-JB
YB15CKG03-6B-JB	YB15CKG03-6B-JB	YB25CKG03-6B-JB	YB26CKG03-6B-JB
YB15RKG03-6B-JB	YB15RKG03-6B-JB	YB25RKG03-6B-JB	YB26RKG03-6B-JB
YB15KKG03-6B-JB	YB15KKG03-6B-JB	YB25KKG03-6B-JB	YB26KKG03-6B-JB
YB15MKG03-6B-JB	YB15MKG03-6B-JB	YB25MKG03-6B-JB	YB26MKG03-6B-JB
YB15NKG03-6B-JB	YB15NKG03-6B-JB	YB25NKG03-6B-JB	YB26NKG03-6B-JB
Single Pole Panel Seal Switches		Double Pole Panel Seal Switches	
YB15WSKW01-6B-JB	YB16WSKW01-6B-JB	YB25WSKW01-6B-JB	YB26WSKW01-6B-JB
YB15WCKW01-6B-JB	YB16WCKW01-6B-JB	YB25WCKW01-6B-JB	YB26WCKW01-6B-JB
YB15WRKW01-6B-JB	YB16WRKW01-6B-JB	YB25WRKW01-6B-JB	YB26WRKW01-6B-JB
YB15WSKW03-6B-JB	YB16WSKW03-6B-JB	YB25WSKW03-6B-JB	YB26WSKW03-6B-JB
YB15WCKW03-6B-JB	YB16WCKW03-6B-JB	YB25WCKW03-6B-JB	YB26WCKW03-6B-JB
YB15WRKW03-6B-JB	YB16WRKW03-6B-JB	YB25WRKW03-6B-JB	YB26WRKW03-6B-JB
YB15WSKG01-6B-JB	YB16WSKG01-6B-JB	YB25WSKG01-6B-JB	YB26WSKG01-6B-JB
YB15WCKG01-6B-JB	YB16WCKG01-6B-JB	YB25WCKG01-6B-JB	YB26WCKG01-6B-JB
YB15WRKG01-6B-JB	YB16WRKG01-6B-JB	YB25WRKG01-6B-JB	YB26WRKG01-6B-JB
YB15WSKG03-6B-JB	YB16WSKG03-6B-JB	YB25WSKG03-6B-JB	YB26WSKG03-6B-JB
YB15WCKG03-6B-JB	YB16WCKG03-6B-JB	YB25WCKG03-6B-JB	YB26WCKG03-6B-JB
YB15WRKG03-6B-JB	YB16WRKG03-6B-JB	YB25WRKG03-6B-JB	YB26WRKG03-6B-JB

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# Change Notice **KB, LB, YB & YB2 Series**

YB Indicators			YB Indicators with Panel Seal
YB01KW01-6B-JB	YB03KW01-6B-JB	YB05KW01-6B-JB	YB01WKW01-6B-JB
YB02KW01-6B-JB	YB04KW01-6B-JB	YB06KW01-6B-JB	YB02WKW01-6B-JB
			YB03WKW01-6B-JB

## YB2 Part Numbers Effected by AT631B LED Change

Single Pole Switches		Double Pole Switches	
YB215CWCKW01-6B-JB	YB216CWCKW01-6B-JB	YB225CWCKW01-6B-JB	YB226CWCKW01-6B-JB
YB215CWCPW01-6B-JB	YB216CWCPW01-6B-JB	YB225CWCPW01-6B-JB	YB226CWCPW01-6B-JB
YB215CWSKW01-6B-JB	YB216CWSKW01-6B-JB	YB225CWSKW01-6B-JB	YB226CWSKW01-6B-JB
YB215CWSPW01-6B-JB	YB216CWSPW01-6B-JB	YB225CWSPW01-6B-JB	YB226CWSPW01-6B-JB
YB215CWCKG01-6B-JB	YB216CWCKG01-6B-JB	YB225CWCKG01-6B-JB	YB226CWCKG01-6B-JB
YB215CWCPG01-6B-JB	YB216CWCPG01-6B-JB	YB225CWCPG01-6B-JB	YB226CWCPG01-6B-JB
YB215CWSKG01-6B-JB	YB216CWSKG01-6B-JB	YB225CWSKG01-6B-JB	YB226CWSKG01-6B-JB
YB215CWSPG01-6B-JB	YB216CWSPG01-6B-JB	YB225CWSPG01-6B-JB	YB226CWSPG01-6B-JB

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