

10th December 2014

Product Change and Obsolescence Notice

PCN-2014-3 – EAO Series 18 Improved New Lenses and Indicators

This notice describes the changes to the EAO Series 18 lenses and indicators caused by the obsolescence of the Stanley LED's used by EAO.

EAO has taken the opportunity to improve the brightness and diffusion of the illumination using brighter LED's.

The replacement LED's have different forward voltages, operating currents and in some cases different colours. For this reason the part numbers of the lenses and indicators will be changed.

Action Required: Customers should review their circuit designs, to ensure their systems will provide the optimum drive characteristics for the part numbers with new LED's and change the part number to the new version. We do not recommend mixing the old and new types on the same panel.

The discontinuation of the original LED's has occurred with short notice and whilst we will continue to supply the existing products until our stock is exhausted, some products are already out of stock. Customers should change to the new part number as soon as possible.

The part numbers affected by this change along with the replacement part numbers are shown below in the Appendix 1.

Optical Characteristics – Summary of Changes

New LED's

Lens Colour	LED Colour	LED forward Voltage (typical) V _f	Operating Current (typical) I _f	Peak Wavelength nm/chromaticity	Brightness (typical) I _v mcd	New Brightek LED Part No.
Red	Orange	2.0V	20mA	635	450	N0R11L27
Yellow	White	3.0V	20mA	X=0.41, Y=0.41	1500	N0R11L33
Green	Green	3.2V	20mA	525	1600	N0R11I25

Old LED's

Lens Colour	LED Colour	LED forward Voltage (typical) V _f	Operating Current (typical) I _f	Peak Wavelength nm/chromaticity	Brightness (typical) I _v mcd	Old Stanley LED Part No.
Red	Red	2.0V	20mA	630	12	MVR3361X
Yellow	Yellow	2.1V	20mA	570	30	MPY3361X
Green	Green	2.1V	20mA	555	9	MPG3361X

Appendix 1

Existing Part-no.	NEW Part-no.	Description (with new voltage and current)
18-961.2	18-961.2L	Lens red with Single-LED red 2,0VDC/20mA D13,4 plastic translucent
18-961.4	18-961.4L	Lens yellow with Single-LED white 3,0VDC/20mA x/y=0.41 D13,4 plastic translucent
18-961.5	18-961.5L	Lens green with Single-LED green 3,2VDC/20mA D13,4 plastic translucent
18-981.2	18-981.2L	Lens red with Single-LED red 2,0VDC/20mA 13,4x13,4 plastic translucent
18-981.4	18-981.4L	Lens yellow with LED white 3,0VDC/20mA x/y=0.41 13,4x13,4 plastic translucent
18-981.5	18-981.5L	Lens green with Single-LED green 3,2VDC/20mA 13,4x13,4 plastic translucent
18-931.2	18-931.2L	Lens red with Single-LED red 2,0VDC/20mA D7,3 plastic translucent
18-931.4	18-931.4L	Lens yellow with Single-LED white 3,0VDC/20mA x/y=0.41 D7,3 plastic translucent
18-931.5	18-931.5L	Lens green with Single-LED green 3,2VDC/20mA D7,3 plastic translucent
18-941.2	18-941.2L	Lens red with Single-LED red 2,0VDC/20mA 7,3x12,3 plastic translucent
18-941.4	18-941.4L	Lens yellow with Single-LED white 3,0VDC/20mA x/y=0.41 7,3x12,3 plastic translucent
18-941.5	18-941.5L	Lens green with Single-LED green 3,2VDC/20mA 7,3x12,3 plastic translucent
18-951.2	18-951.2L	Lens red with Single-LED red 2,0VDC/20mA 7,3x7,3 plastic translucent
18-951.4	18-951.4L	Lens yellow with Single-LED white 3,0VDC/20mA x/y=0.41 7,3x7,3 plastic translucent
18-951.5	18-951.5L	Lens green with Single-LED green 3,2VDC/20mA 7,3x7,3 plastic translucent
18-080.0052	18-080.0052L	Indicator red for flush mounting 19x19 with Single-LED red 2,0VDC@20mA
18-080.0054	18-080.0054L	Indicator yellow for flush mounting 19x19 with Single-LED white 3,0VDC@20mA
18-080.0055	18-080.0055L	Indicator green for flush mounting 19x19 with Single-LED green 3,2VDC@20mA
18-081.0052	18-081.0052L	Indicator red for flush mounting 19x19 with Single-LED red 12VDC/10mA
18-081.0054	18-081.0054L	Indicator yellow for flush mounting 19x19 with Single-LED white 12VDC/10mA
18-081.0055	18-081.0055L	Indicator green for flush mounting 19x19 with Single-LED green 12VDC/2mA
18-082.0052	18-082.0052L	Indicator red for flush mounting 19x19 with Single-LED red 24VDC/10mA
18-082.0054	18-082.0054L	Indicator yellow for flush mounting 19x19 with Single-LED white 24VDC/10mA
18-082.0055	18-082.0055L	Indicator green for flush mounting 19x19 with Single-LED green 24VDC/2mA
18-060.0052	18-060.0052L	Indicator red for flush mounting D19 with Single-LED red 2,0VDC@20mA
18-060.0054	18-060.0054L	Indicator yellow for flush mounting D19 with Single-LED white 3,0VDC@20mA
18-060.0055	18-060.0055L	Indicator green for flush mounting D19 with Single-LED green 3,2VDC@20mA
18-061.0052	18-061.0052L	Indicator red for flush mounting D19 with Single-LED red 12VDC/10mA
18-061.0054	18-061.0054L	Indicator yellow for flush mounting D19 with Single-LED white 12VDC/10mA
18-061.0055	18-061.0055L	Indicator green for flush mounting D19 with Single-LED green 12VDC/2mA
18-062.0052	18-062.0052L	Indicator red for flush mounting D19 with Single-LED red 24VDC/10mA
18-062.0054	18-062.0054L	Indicator yellow for flush mounting D19 with Single-LED white 24VDC/10mA
18-062.0055	18-062.0055L	Indicator green for flush mounting D19 with Single-LED green 24VDC/2mA
18-040.0052	18-040.0052L	Indicator red 9x14 with Single-LED red 2,0VDC@20mA
18-040.0054	18-040.0054L	Indicator yellow 9x14 with Single-LED white 3,0VDC@20mA
18-040.0055	18-040.0055L	Indicator green 9x14 with Single-LED green 3,2VDC@20mA
18-041.0052	18-041.0052L	Indicator red 9x14 with Single-LED red 12VDC/10mA
18-041.0054	18-041.0054L	Indicator yellow 9x14 with Single-LED white 12VDC/10mA
18-041.0055	18-041.0055L	Indicator green 9x14 with Single-LED green 12VDC/2mA
18-042.0052	18-042.0052L	Indicator red 9x14 with Single-LED red 24VDC/10mA
18-042.0054	18-042.0054L	Indicator yellow 9x14 with Single-LED white 24VDC/10mA
18-042.0055	18-042.0055L	Indicator green 9x14 with Single-LED green 24VDC/2mA
18-050.0052	18-050.0052L	Indicator red 9x9 with Single-LED red 2,0VDC@20mA
18-050.0054	18-050.0054L	Indicator yellow 9x9 with Single-LED white 3,0VDC@20mA
18-050.0055	18-050.0055L	Indicator green 9x9 with Single-LED green 3,2VDC@20mA
18-051.0052	18-051.0052L	Indicator red 9x9 with Single-LED red 12VDC/10mA

Appendix 1 (continued)

Existing Part-no.	NEW Part-no.	Description (with new voltage and current)
18-051.0054	18-051.0054L	Indicator yellow 9x9 with Single-LED white 12VDC/10mA
18-051.0055	18-051.0055L	Indicator green 9x9 with Single-LED green 12VDC/2mA
18-052.0052	18-052.0052L	Indicator red 9x9 with Single-LED red 24VDC/10mA
18-052.0054	18-052.0054L	Indicator yellow 9x9 with Single-LED white 24VDC/10mA
18-052.0055	18-052.0055L	Indicator green 9x9 with Single-LED green 24VDC/2mA
18-030.0052	18-030.0052L	Indicator red D9 with Single-LED red 2,0VDC@20mA
18-030.0054	18-030.0054L	Indicator yellow D9 with Single-LED white 3,0VDC@20mA
18-030.0055	18-030.0055L	Indicator green D9 with Single-LED green 3,2VDC@20mA
18-031.0052	18-031.0052L	Indicator red D9 with Single-LED red 12VDC/10mA
18-031.0054	18-031.0054L	Indicator yellow D9 with Single-LED white 12VDC/10mA
18-031.0055	18-031.0055L	Indicator green D9 with Single-LED green 12VDC/2mA
18-032.0052	18-032.0052L	Indicator red D9 with Single-LED red 24VDC/10mA
18-032.0054	18-032.0054L	Indicator yellow D9 with Single-LED white 24VDC/10mA
18-032.0055	18-032.0055L	Indicator green D9 with Single-LED green 24VDC/2mA
18-941.9B	18-941.9BL	Lens with 1 Chip LED, new red special 7,3x12,3 2,0VDC/20mA
18-941.9C	18-941.9CL	Lens with 1 Chip LED, new green special 7,3x12,3 3,2VDC/20mA
18-961.9A	18-961.9AL	Lens with 1 Chip LED, white/green D13,4 Vf 3,0VDC/20mA x/y=0.41 plastic translucent

Datasheets on the new and the old LED's used in these switches are included with the product change notice.

If you have any other questions about the discontinuation of this product and the replacement parts, then please contact our customer services team on 01444 236000



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