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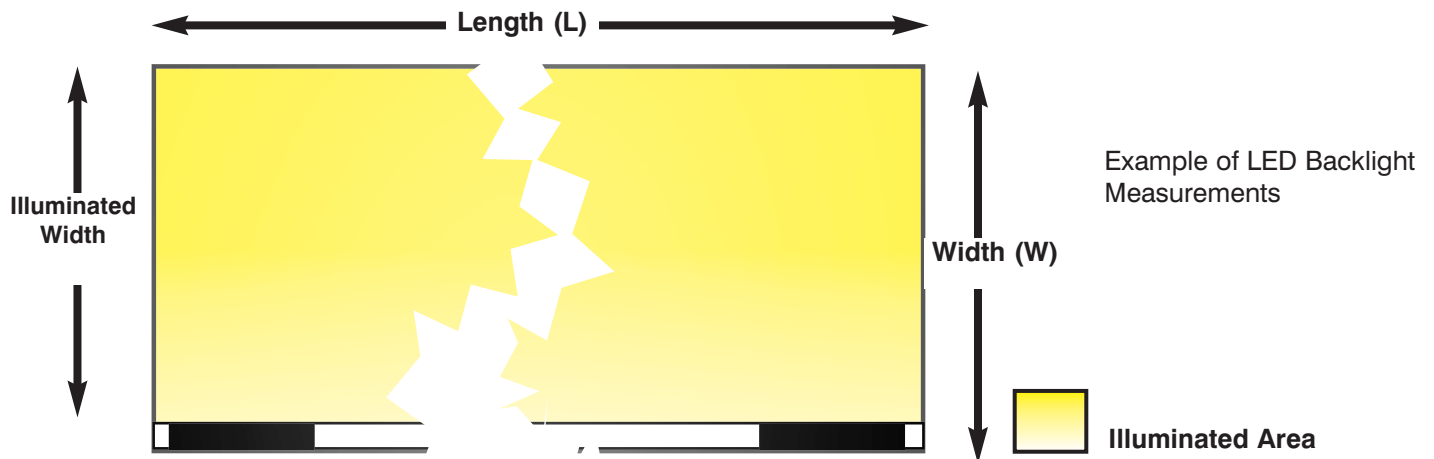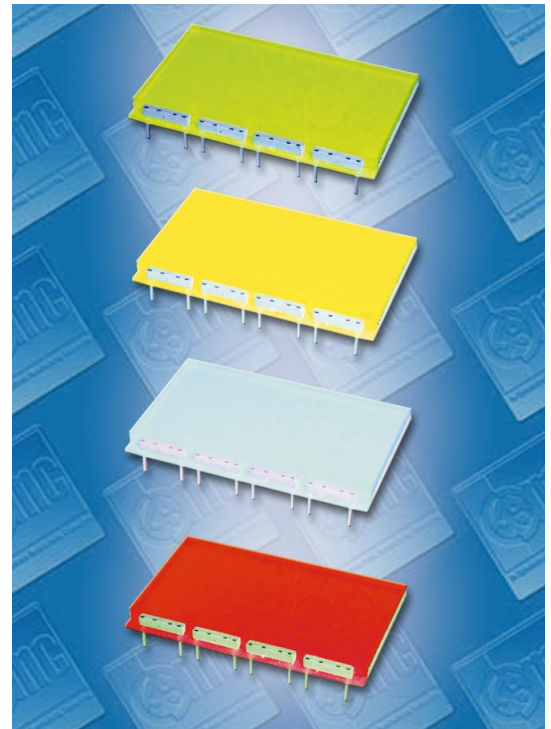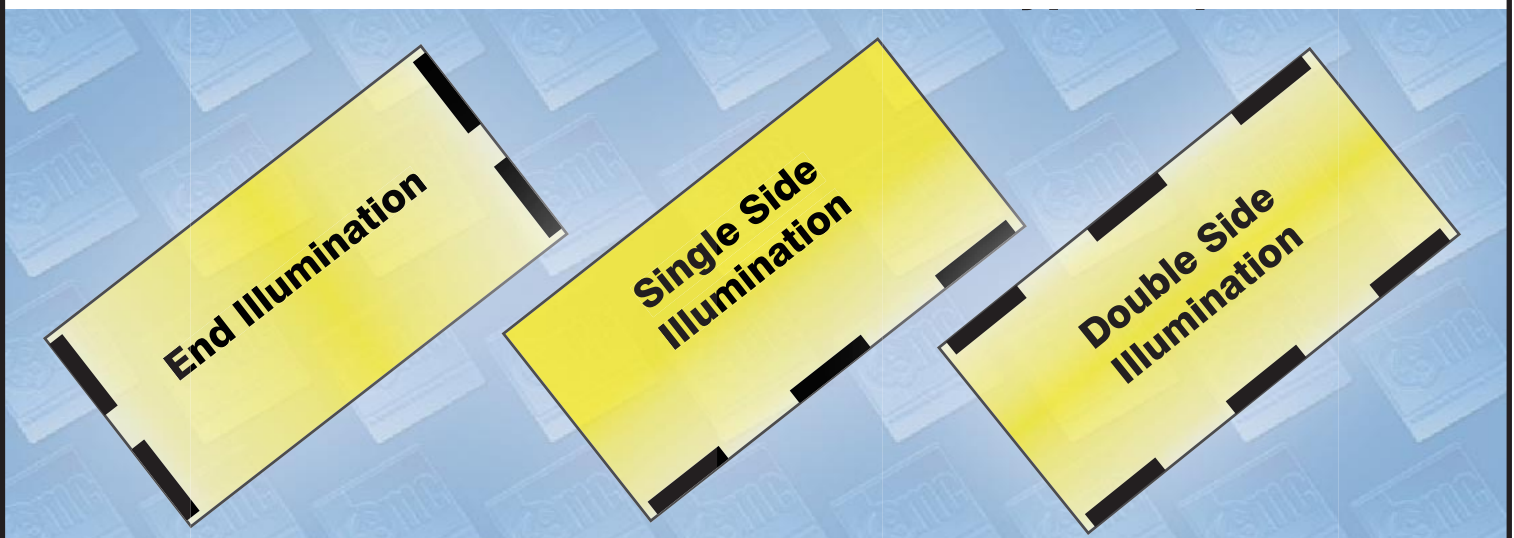
LED Backlights   Summary Sheet

OMC edge lit backlights are available in a variety of colours, each of which have their own advantage, they are also available in a wide variety of sizes and options, such as Bi-colour.

1) Yellow/Green -
The Industry standard backlight colour at 567nm is very cost effective.

2) High Brightness Yellow/Orange -
A bright, rich and warm 595nm colour which is pleasing to the eye and gives a high qualtiy look to any product.

3) High Brightness Blue -
A very bright blue at 470nm creating a striking and distinctive display.

4) High Brightness Red -
A bright red 660nm makes the display stand out from the others.

Length (L)

Illuminated
Width

Width (W)

Example of LED Backlight
Measurements

Illuminated Area

The Backlights can also be illuminated from different points, depending on the application, to produce the best results and utilisation of circuit board space.

End Illumination

Single Side
Illumination

Double Side
Illumination

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OMC Backlight	Description	Fits Following LCDs	Overall Panel Size LxWxH	Illuminated Area LxW	Number of Emitters
S36 Types					
BR02S3604TE	Standard Yellow/Green Type	233-651	47.50 x 17.00 x 3.0mm	47.50 x 14.50mm	4
BRIYS3604TE	High Brightness Yellow/Orange Type	233-651	47.50 x 17.00 x 3.0mm	47.50 x 14.50mm	4
BRUBS3604TE	High Brightness Blue Type	233-651	47.50 x 17.00 x 3.0mm	47.50 x 14.50mm	4
BRURS3604TE	High Brightness Red Type	233-651	47.50 x 17.00 x 3.0mm	47.50 x 14.50mm	4
S36 Types					
BR02S3804TE	Standard Yellow/Green Type	253-558, 233-640, 233-638	48.70 x 23.30 x 3.0mm	48.70 x 20.80mm	4
BRIYS3804TE	High Brightness Yellow/Orange Type	253-558, 233-640, 233-638	48.70 x 23.30 x 3.0mm	48.70 x 20.80mm	4
BRUBS3804TE	High Brightness Blue Type	253-558, 233-640, 233-638	48.70 x 23.30 x 3.0mm	48.70 x 20.80mm	4
BRURS3804TE	High Brightness Red Type	253-558, 233-640, 233-638	48.70 x 23.30 x 3.0mm	48.70 x 20.80mm	4
S19 Types					
BR02S1906TE	Standard Yellow/Green Type	523-227, 253-560	67.00 x 28.50 x 3.0mm	67.00 x 26.00mm	6
BRIYS1906TE	High Brightness Yellow/Orange Type	523-227, 253-560	67.00 x 28.50 x 3.0mm	67.00 x 26.00mm	6
BRUBS1906TE	High Brightness Blue Type	523-227, 253-560	67.00 x 28.50 x 3.0mm	67.00 x 26.00mm	6
BRURS1906TE	High Brightness Red Type	523-227, 253-560	67.00 x 28.50 x 3.0mm	67.00 x 26.00mm	6
S152 Bi-Colour Type					
BSRGS15208TE	U/B Red - Green Bi-Colour	233-651	46.50 x 19.50 x 3.0mm	47.50 x 14.50mm	4 x G, 4 x R
S153 Bi-Colour Type					
BSRGS15308TE	U/B Red - Green Bi-Colour	253-558, 233-640, 233-638	48.70 x 25.80 x 3.0mm	48.70 x 20.80mm	4 x G, 4 x R
S154 Bi-Colour Type					
BSRGS15412TE	U/B Red - Green Bi-Colour	253-560	67.00 x31.00 x 3.0mm	67.00 x 26.00mm	6 x G, 6 x R
S155 Bi-Colour Type					
BSRGS15512TE	U/B Red - Green Bi-Colour	523-227	67.00 x 28.00 x 3.0mm	67.00 x 23.00mm	6 x G, 6 x R

Bi-Colour backlights offer the ability to change colour from Green to Bright Red.
This is achieved by using a neutral colour reflector and having two rows of LED's one edge having all green emitters the opposite edge having all Red.
These backlights can be used to indicate an alarm state on an LCD and draw the users attention to reading a particular display.
The backlights ability to change colour means it can be used as an indicator without having to add additional LED's to a products front panel.

Bi-Colour backlights can be used to good effect for example on a temperature display
if the temperature is within a set range the backlight can remain green in the event of an over or under temperature

state the backlight can be made to change colour alerting the user to a possible fault.