

OUR UNIQUE PANEL FEATURES



Our panels use the highest quality driver to eliminate flicker.

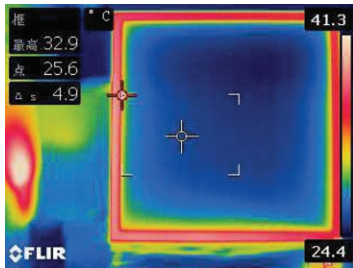
Flicker can easily be seen by putting your mobile phone in photo mode and holding it over an illuminated LED product.

EFFECTS OF FLICKER FROM LED PRODUCTS

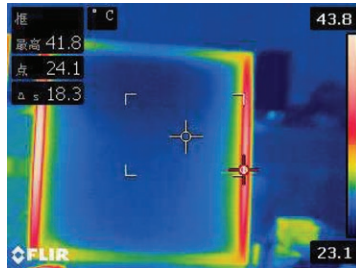
Flicker from LED products is caused by a number of factors such as supply voltage disturbance, type of dimmer, poor but mostly poor driver design to lower driver cost. This flicker can cause a number of side effects to people working under these lights for prolonged periods of time such as offices, production lines, etc. **some of these side effects can include:** headache, migraine, tiredness increased intraocular pressure, blurred vision, neurological problems such as photosensitivity, epilepsy.

Other related hazards could cause :

Visual illusion on spinning machinery, road lighting, monitoring system, TV, scanning system (QR Code)



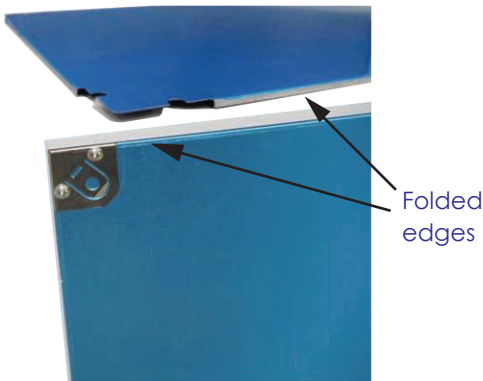
Our panels 4 Edge lit system
Excellent uniformity



Other panel products only
2 edges are lit.

4 SIDE EDGE LIT SYSTEM LIGHT UNIFORMITY

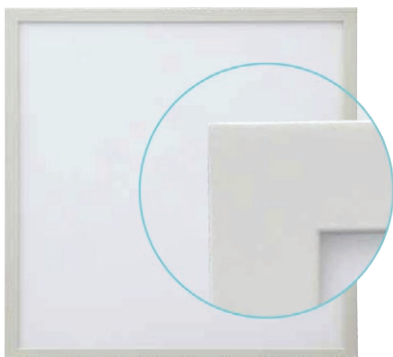
Is when there are 4 strips of LED around each side of the panel. Infrared thermography image shows the light output from our 4 edge lit system, produces a the very even light output compared to other brands that only use 2 side edge lit system.



FOLDED BACK PANEL

Our panels use a folded back panel for 2 reasons :

1. To create a stronger panel frame means less flex in the panel and the LED's and the light guide is less likley to move. This movement can cause black spots and upset the light uniformity and even damage the LED chips.
2. The fold in the panel stops light from escaping through the back of the panel. This can also affect the light uniformity of the panel and create discolouration or yellow areas on the edges and corners on the panel



NEW WELDED SEAMLESS FRAME PANEL

The new seamless welded frame is not held together by screws or angle brackets. The welded finish creates a more stylish and modern look at the same time creating a stronger frame