

# VIVACITY LED SAFETY TACTILE BLOCKS

VIVACITY



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# INTRODUCING THE TEAM AT VIVACITY

Vivacity GM is part of global organisation that designs, manufacturers and supplies some of the world's most advanced lighting and display systems. Vivacity offers the Next Generation in Lighting Technology and Systems. This includes the latest in LED Safety Lighting and LED Tactile Blocks.



[www.vivacitygm.com.au](http://www.vivacitygm.com.au)

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# The Latest Innovation in Safety

VIVACITY LED SAFETY TACTILE BLOCKS are designed to significantly reduce the number of injuries and deaths at traffic light controlled intersections

They reduce the likelihood of distracted pedestrians not looking up from their smart phones before stepping onto the road.

The VIVACITY safety blocks are installed in rows on the curbsides on the intersection, they are connected to the traffic pedestrian lights and shine the same colour as the pedestrian lights to create awareness of signal change at the intersection

**PEDESTRIANS** are more cautious of traffic and have quick awareness of signal change

**PEOPLE** with vision impairment/mobility impairment find it easier to see the LED tactiles in the ground at their feet rather than a small green/red man in the pedestrian lantern across the street.

**DRIVERS** can recognise the crosswalk light change at 30m distance at night, adding to the visibility of the crossing and the safety of pedestrians



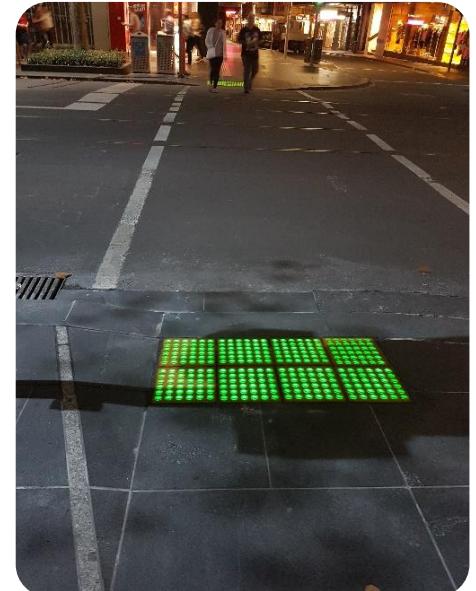
# Improved Safety

After installations of the LED Safety Tactile Blocks in South Korea at over 90 major locations the number of traffic accidents, injuries and deaths decreased by 26.2%, 21.2% and 38.3% respectively.



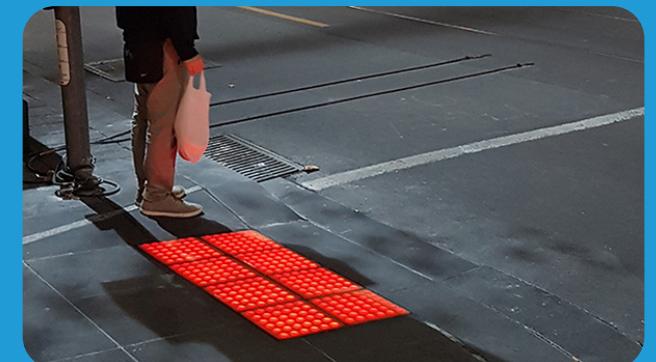
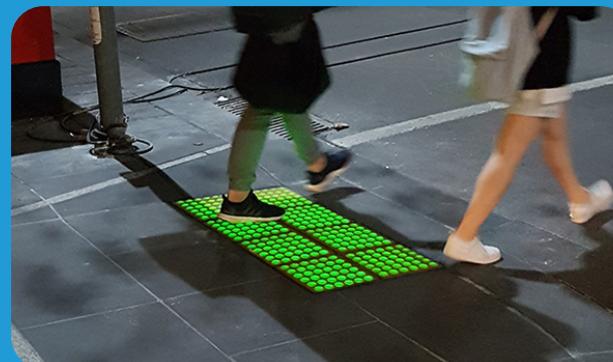
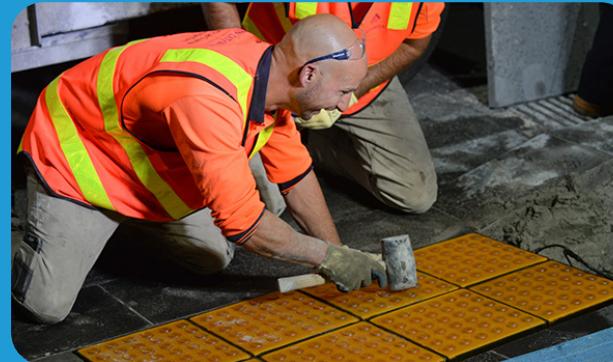
# Installations in Australia

View the Victoria Australia Trial Video online: [www.vimeo.com/210375307](http://www.vimeo.com/210375307)



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# Recently completed Installation in Melbourne



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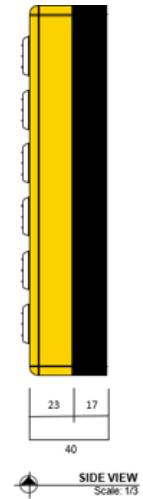
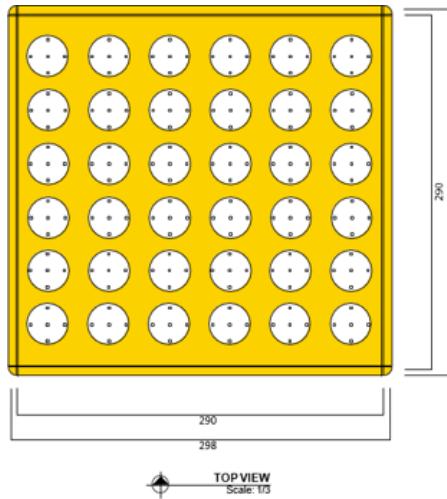
# Product Information

- Slip Resistance of Tactile - Rated 59BPN
- Tensile Strength of Tactile - Rated 60.7Mpa tested up to 11 tonnes
- Sealed Protection of Tactile - Rated IP67
- Durability of tactile to UV product in field for 5 years with no colour fade
- Durability of tactile material - group of polymers with impact strength 50 times higher than tempered glass
- Durability of tactile in high temp tested at 40 degrees C for 6 hrs with 0.1% change in width and length of the block
- Available Colours yellow, ivory and bluestone (custom colours MOQ)



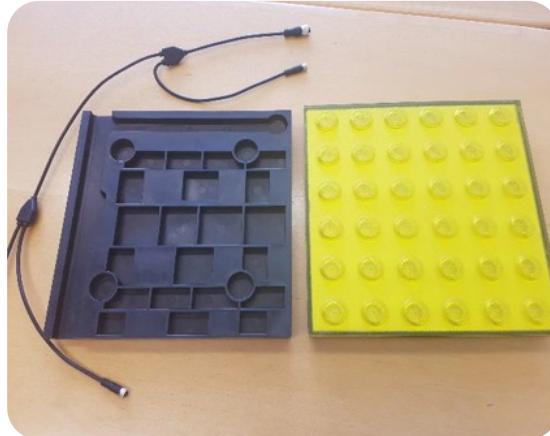
# New Design LED Safety Block with removable top plate section for easy maintenance

## B-1. Specification



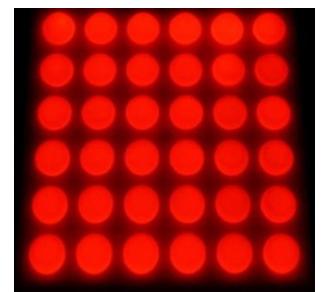
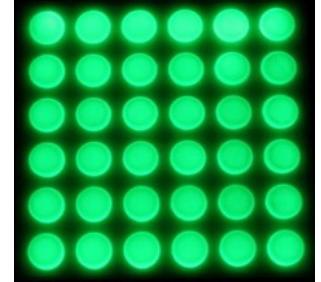
Case

| Division                           | Safety Guard Block | Certification results |
|------------------------------------|--------------------|-----------------------|
| Standard                           | 298mm * 298 * 60T  | Suitability           |
| Bump amount                        | 36EA /4.5T         | Suitability           |
| Material of case                   | ABS                | Suitability           |
| Sealed protection degree (IP Code) | IP67               | Suitability           |
| Slip resistance of case            | 59BPN              | Suitability           |
| Tensile strength                   | 60.7MPa            | Suitability           |



Base Plate

Top Plate



| Division          | Safety Guard Block |
|-------------------|--------------------|
| Voltage           | 24V                |
| Power consumption | 3.4W / EA          |

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# Installation Details

Cut out pavement for LED tactiles



Cement and fix base plate into ground



Lay 24VDC cables into base plate and connect top LED tactile plate



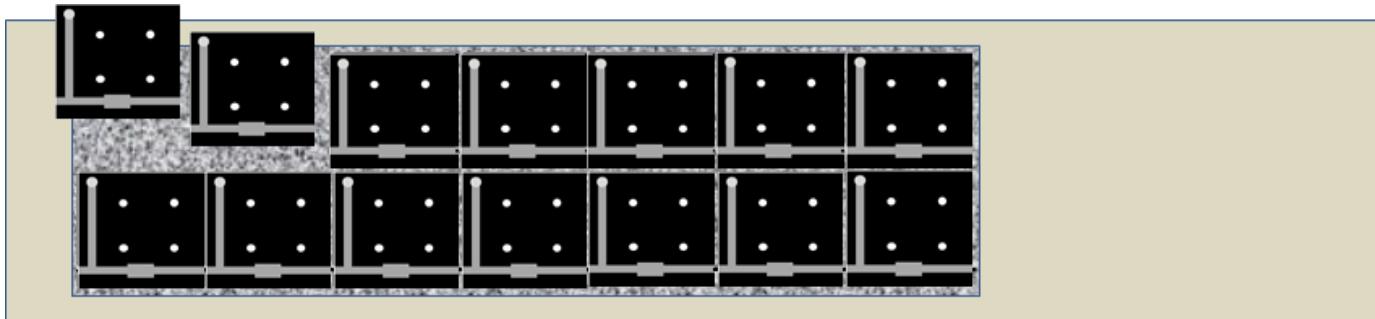
Fix top tactile plates into position and silicone



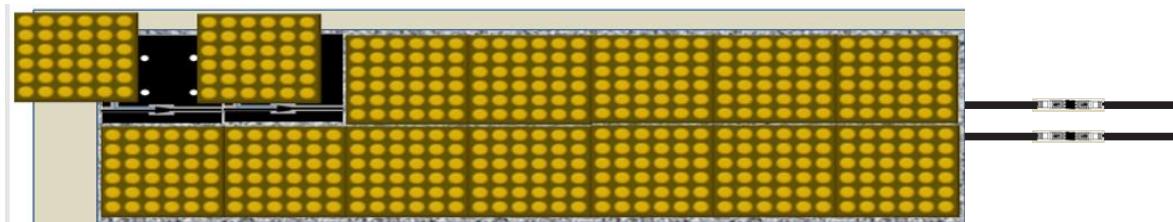
# Installation Steps



- Cut out pavement 50mm deep and lay 15mm bed of cement



- Lay tactile base plates on bed of cement, level and then insert DC cables



- Attached top LED tactile plates and connect all to DC cables.
- Connect DC cables to main controller box

# **LED Tactile Blocks can be supplied in various base colours**



**Orange**



**Yellow**



**White**

**Bluestone**

# Safety Tile Applications

Connecting with Traffic Signals



Standalone



Other



School zone & Pedestrian  
Crossings etc

Bus & Tram Stops

Railway Station  
Platforms & Crossings



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