

# NZTA M29-L: 2024

Listing of Accepted Internally Illuminated Pavement Markers

# 1 Scope

## 1.1 Document Purpose

This document lists Internally Illuminated Pavement Markers (IIPMs) approved under the process laid out in NZTA M29. NZTA M29 may be found at <https://www.nzta.govt.nz/resources/internally-illuminated-pavement-markers/>.

This document is subject to regular amendment as IIPMs are submitted for assessment and gain either Provisional or full Type Acceptance.

## 1.2 Provisional Acceptance (Table A1)

Before an IIPM may be awarded *Provisional Acceptance* to be included on this list a *Test Summary Certificate* of compliance to NZTA M29 must have been received by Waka Kotahi. This Table lists IIPMs that have confirmation of compliance to NZTA M29 *Provisional Acceptance* after inclusion in this record.

## 1.3 Type Acceptance (Table B1)

The inclusion of *Type Acceptance* in this Table confirms that a successful in-service Field Test installation have been successfully completed.

Markers recorded in this Table have been successfully tested against the criteria outlined in NZTA M29 by a Road Controlling Authority (RCA) and a full report, with recommendations, has been sent to the Waka Kotahi, National Office in Wellington.

Should Waka Kotahi discover that the qualification testing was flawed, that in-service performance reveals unacceptable safety problems, or that the system being marketed differs significantly from that which was tested, it reserves the right, at any time, to modify or revoke its acceptance of the marker.

Acceptance is at the discretion of the Waka Kotahi and may be withdrawn at any time if there is evidence of less than satisfactory in-service performance.

# 2 Land Transport Rule Approved IIPM Installations

Prior to any new uses for IIPMs being introduced for installation onto the New Zealand roading network the IIPM Manufacturer/Supplier must gain approval for such use from Waka Kotahi.

Introduction of a new IIPM for use in a Traffic Control Devices Rule approved installation design or set out must complete the requirements specified in NZTA M29.

Any new use of an IIPM, either by colour or system design must first comply with the requirements of the Traffic Control Devices Rule (2004) which will require a special submission to be made to Waka Kotahi.

<http://www.nzta.govt.nz/resources/rules/traffic-control-devices-2004/>

The notification in this list identifies system set outs and colours that have been approved by the land Transport Rule

# 3 Document Currency

This version of M29-L issued in October 2024 replaces the previous version issued in March 2023.

## 4 Internally Illuminated Pavement Markers with Provisional Acceptance

Table 1 lists Internally Illuminated Pavement Markers that have been confirmed by testing to provisionally comply with the requirements of NZTA M29 specification. Hence they are available for field testing to confirm full Type Acceptance with M29.

Manufacturer	Brand & ID	Type C – I – S	Illumination 1 or 2	Setting C-Constant or F-Flashing	LED Colour(s)* Accepted	Body Colour(s) Accepted	Surface Mount or Recessed	Trafficked, ≤30 or >30 ** or Non-Trafficked	Provisional Acceptance Expiry month/yyyy
3i Innovation Ltd Smart City Streets	iiiLevel ORM	I	1 & 2	C & F	W, Y, R, D, B	Black, Neutral, White	Recessed	Trafficked >30	Superseded
3i Innovation Ltd Smart City Streets	IPL ORM	I	1 & 2	C & F	W, Y, R, D, B	Black, Neutral, White	Recessed	Trafficked >30	Superseded
Smart City Streets Ltd (3i)	IPX ORM	I	1 & 2	C & F	W, Y, R, D, B	Black, Neutral, White	Recessed	Trafficked >30	August 2023
3i Innovation Ltd Smart City Streets	iiiLevel TGM	I	1 & 2	C & F	W, Y, R, D, B	White	Surface	Non-Trafficked	August 2023
Iternz Limited	Dual W/B	S	2	W-Constant B-Flashing	W, B	Grey	Recessed	≤30 Trafficked	August 2023
CSL Infrastructure	Sernis SR 45	C	1 & 2	C & F	W, Y	Stainless Steel Grey	Recessed	>30	August 2023
Harding Traffic	HT-1C					Stainless Steel Grey	Recessed		

## 5 Internally Illuminated Pavement Markers with Type Acceptance

Table 1 lists Internally Illuminated Pavement Markers that have demonstrated full compliance with the requirements of NZTA M29 specification and may be used on the State Highway network.

Manufacturer	Brand & ID	Marker Type C – I – S	Illumination 1 or 2	Setting C=Constant or F=Flashing	LED Colour(s)* Accepted	Body Colour(s) Accepted	Surface Mount or Recessed	Trafficked, ≤30 or >30** or Non-Trafficked	7 Yr Type Acceptance Expires*** month/year
Smart City Streets (3i)	IPX-ORM w/Canister	I	1 & 2	C & F	W, Y, R, D, B	Black, Neutral, White	Recessed	Trafficked >30	April 2030
Smart City Streets (3i)	IPXm- ORM w/Canister	I	1 & 2	C & F	W, Y,	Black, Neutral, White	Recessed	Trafficked >30	April 2030
ITERNZ	ITERNZ Mono	S	1 & 2	C	White	Neutral	Recessed	Trafficked >30	May 2023

For advice about this process and Waka Kotahi approved testing agencies, please contact Waka Kotahi National Office, Private Bag 6995 Wellington 6141.