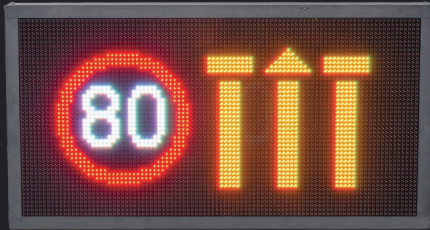


Traffic Direction



Traffic Direction



Variable Message Signs **82**



LED Message Display **84**



Arrow Boards **86**



IONNIC Traffic Master **90**



IONNIC Traffic Director **92**

Traffic Direction

Variable Message Signs

NEW



- Three sizes of message boards programmable using touch screen controller.
- Aluminium encased 5" touch screen LCD controller.
- RGB modules allowing wide range of colour options.
- Real-time image preview.
- Automatic brightness control (message board).
- Hundreds of preloaded colour graphics.
- Intuitive interface makes creating, editing and saving graphics & messages easy.
- Wide, consistent viewing angle – 120°.
- Passive cooling – no fans.
- Signs are environmentally sealed – IP66.
- 2-year warranty.

2Yrs

NEW

Message Board Housing :	Powder Coated Aluminium
Harness Length :	7.5m
Message Board :	IP66
Operating Temperature :	-20°C to 50°C

Complete Message Control



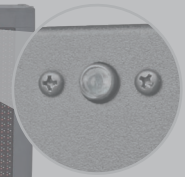
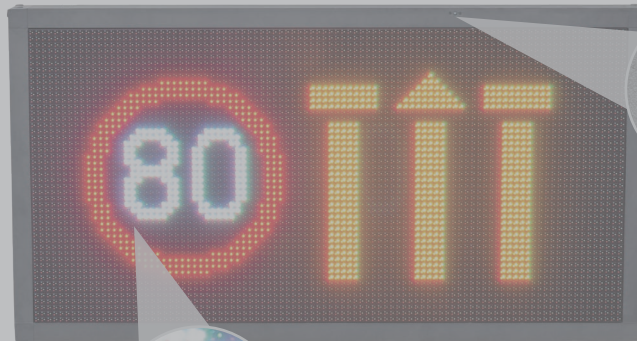
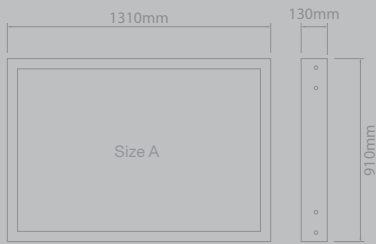
Select from hundreds of preloaded graphics



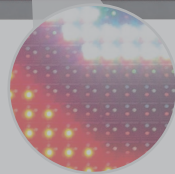
Customise your own messages with up to 3 screen transitions



Traffic Direction



Light sensor for automatic brightness control

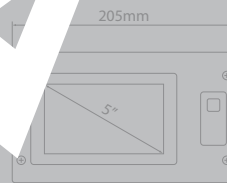


Each LED module contains a red, green & blue LED

IP66



Supplied with 7.5m Power Harness.
Controller Harness sold separately – see below



MVA

Variable Message Signs – Kits NEW

Part No.	Size	Display Size (mm)	Display Size (LED Modules)	Voltage	Max. Current Draw	Weight (kg)
VMS002-12V	A	1200 x 800	72 x 48 (3456)	12	22.5A	98
VMS002-24V	A	1200 x 800	72 x 48 (3456)	24	11.2A	98
VMS001-12V	B	1600 x 800	97 x 48 (4656)	12	27.6A	135
VMS001-24V	B	1600 x 800	97 x 48 (4656)	24	13.8A	135
VMS003-24V	C	2000 x 1200	120 x 72 (8640)	24	20A	275

Kit contents:
1 x Single-sided Message Board
1 x Touch Screen Controller
1 x 7.5m Power Harness
* Controller Harness sold separately – see below



Variable Message Signs – Controller Harnesses NEW

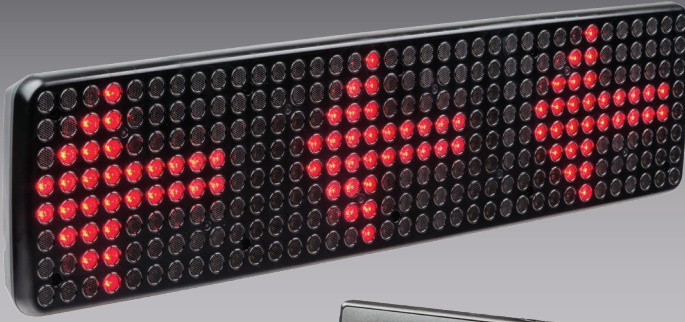
7.5m	10m	15m	20m
VMS-CABLE-7.5M	VMS-CABLE-10M	VMS-CABLE-15M	VMS-CABLE-20M

1 x Controller Harness required per VMS Kit.



Traffic Direction

LED Message Display



10V
30V

- Touch screen controller.
- Simple and easy to operate user interface.
- 2GB Micro SD card message storage.
- Up to 99 messages.
- PC software to create/edit messages.
- Easily readable from 100m.
- Auto text rotation when mounted upside-down.
- ECE R10 & C-Tick approved.
- Protected against reverse-polarity, supply transients and thermal overload.
- Multi-voltage.
- Park, ignition and remote switching inputs.
- Message Display environmentally sealed – IP67.

Voltage :	10–30V
Max. Current Draw :	2.6A @ 13.6V
Weight :	2.2kg
Light Source :	8 x 36 (288) LEDs
Controller Harness Length :	0.6m
Controller Extension Harness Length :	2.5m
Display Harness Length :	5m
Touch Screen :	Resistive
Approvals :	ECE R10 (display only), C-Tick No. N19830
Ingress Protection :	Display IP67
Operating Temperature :	-20°C to 65°C

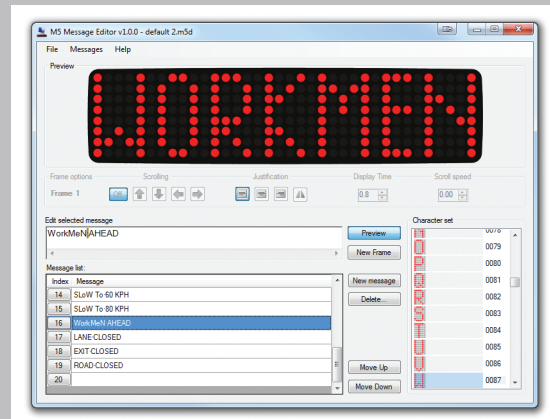


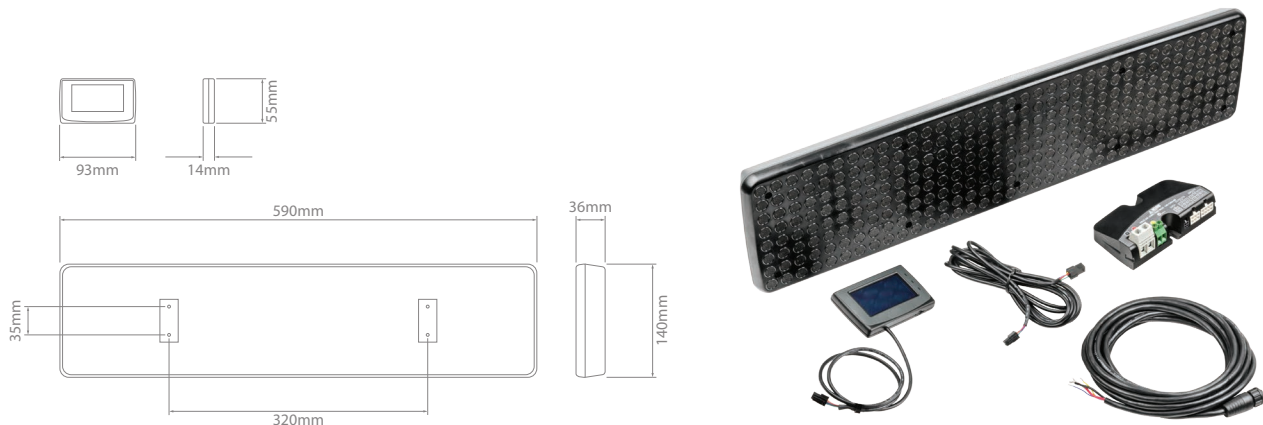
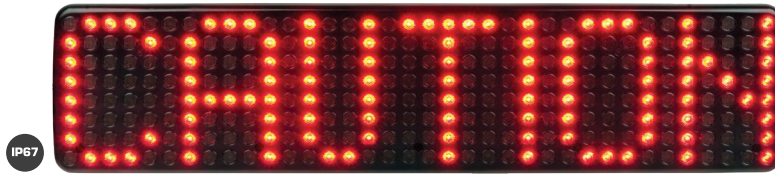
Resistive touch screen functionality

Programming Software

Simple user-friendly PC software supplied on microSD card. Using the Message Editor software, easily create/edit up to 99 custom messages and upload to the memory card.

Supplied with 2GB microSD card and adaptor



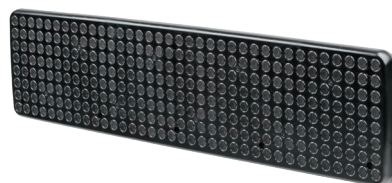


LED Message Display Kit

Part No.	Kit Contents
CD0012R	1 x Display Board 1 x Touch Screen Controller 1 x 2.5m Controller Extension Harness 1 x 5m Display Harness 1 x Junction Box

Double-sided Setup

When configured as double-sided, messages using arrows automatically reverse on the supplemental display, thereby assuring both displays are pointing in the same direction.



LED Message Display – Accessories

Part No.	Description
CD0012R-S1	Supplemental display for double-sided configurations



Traffic Direction

Arrow Boards



- Complies to Australian standards and RMS FAS/5.
- High intensity LED inserts certified to AS4192:2006.
- Double-sided models available.
- Simple wiring installation.
- Optional electric actuator available.
- Integrated actuator control & beacon switch.
- Compact controller with real-time display & audible lamp failure alarm.
- Low current draw.
- Multi-voltage.

Voltage : 12–24V
Lens : Polycarbonate
Board : Powder Coated Aluminium
Controller Harness Length : 15m
Power Harness Length : 10m
Light Source : LED (NATA Certified Lamp)
Operating Temperature : -10°C to 60°C
Warranty : 2-year, 5-year (lamps only)
Approvals : RTA FAS/5 (A & B boards only)
 Australian Standards AS4192:2006
 C-Tick No. N24440, NATA Certified (lamps only)
 Australian Standards Visibility Distances for
 A Board (500m), B Board (1000m), C Board (1500m)

Master Switch and Fuse Assembly



Double-Sided Board
AAB-BB-DBL



Double-Sided Board
Controller

Flash Patterns

Flashing Arrow Right



1

2

3

Flashing Arrow Left



1

2

3

Corner Caution
(alternates)



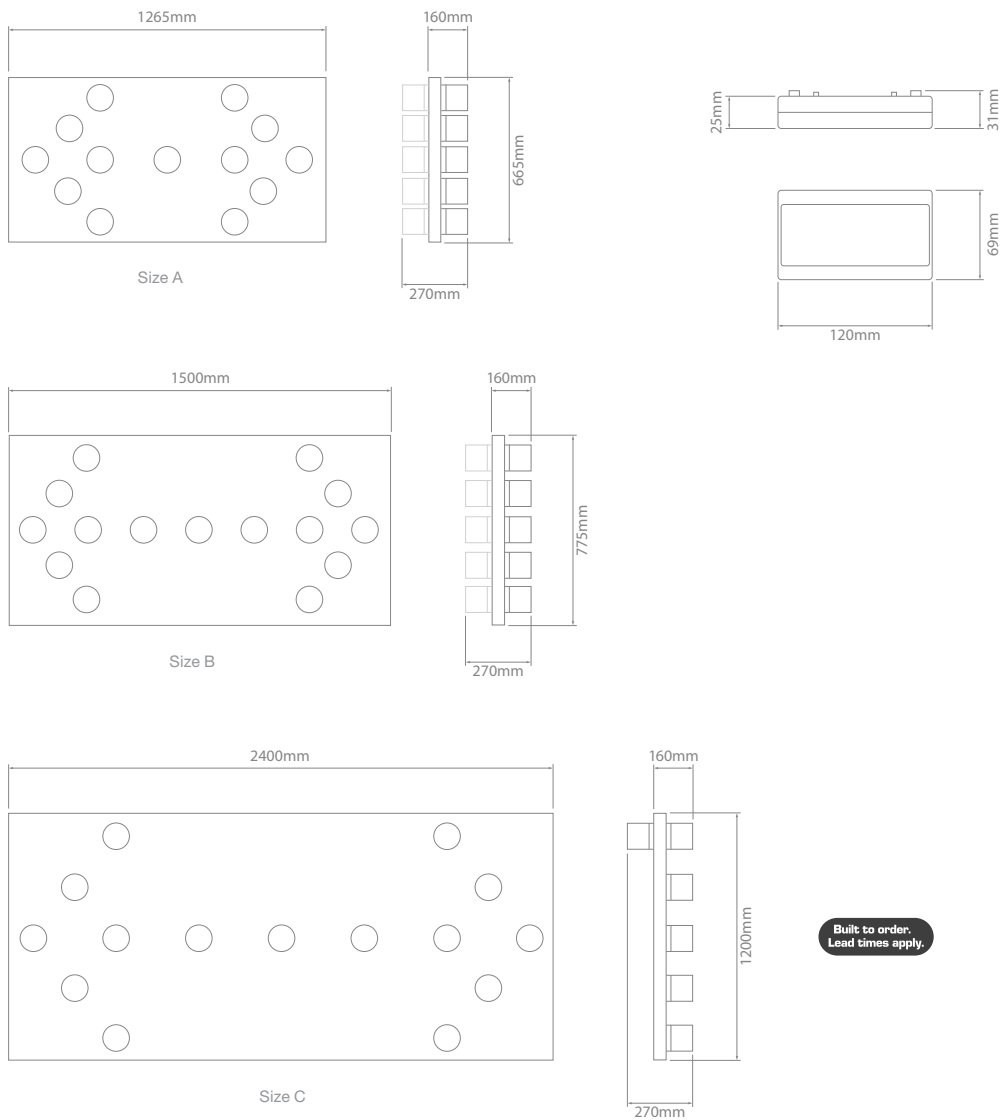
1

2

3

Flashing Double Arrows





Arrow Boards

Part No.	Board Type	Lamps	Sides	Max. Current Draw	Weight (kg)
AAB-AB	A	13	Single-sided	2.1A @ 12V	16.6
AAB-AB-DBL	A	13	Double-sided	4.2A @ 12V	18.7
AAB-BB	B	15	Single-sided	2.5A @ 12V	21.6
AAB-BB-DBL	B	15	Double-sided	5A @ 12V	25.3
AAB-CB	C	15/17*	Single-sided	2.5A @ 12V	55

Supplied with Controller and Harness.

* Supplied with 2 separate lamps for optional installation to back of board.



Traffic Direction



AAB-L0010



AAB-L0004



AAB-R0050, AAB-R0040



TA4-12V, TA4-24V

Arrow Boards – Spare Parts / Accessories

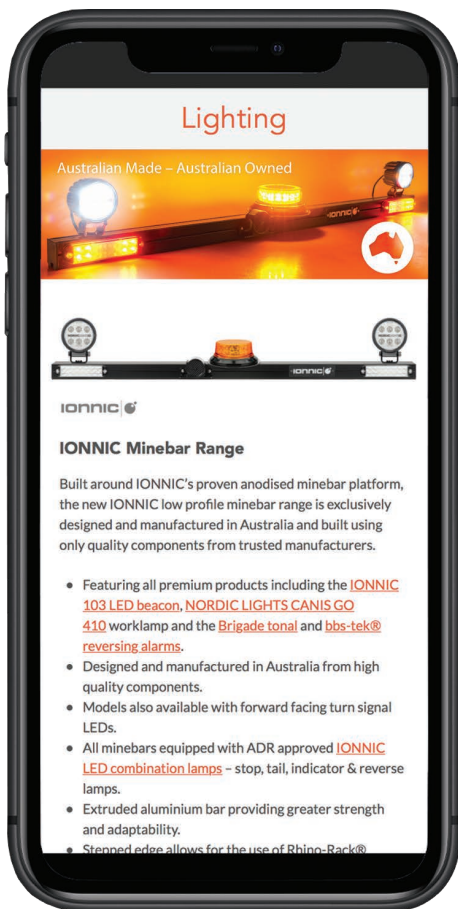
Part No.	Description	Suits
AAB-L0010	LED insert including shroud. 12V	All boards
AAB-L0004	LED shroud	All boards
AAB-R0050	Rack assembly including gas strut	A board
AAB-R0040	Rack assembly including gas strut	B boards
TA4-12V*	Electric actuator. 12V, 5.2A, IP66	AAB-R0050 / AAB-R0040
TA4-24V*	Electric actuator. 24V, 3.0A, IP66	AAB-R0050 / AAB-R0040

* When used in applications other than arrow boards carries 12 month warranty only.



Newsletter

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ionnic.com

ionnic | Product Update Newsletter Lighting | Safety | Electrical April 2023

Safety



Example of radar sensor data overlaid on-screen.
Monitor not included in kit.



Backsense® Network Radar with OSD Kit

Brigade's Backsense® Network Radar System is the next generation of radar-based obstacle detection. Due to the number of complex blind spots on a vehicle, a single radar cannot always provide the detection required and numerous in-cab displays for multiple radars can be more of a distraction than a benefit.

The Brigade Backsense® Network Radar with OSD Kit allows for the use of 2 Backsense® Network Radar sensors to be combined with any Brigade Backeye® camera system.

Radar detection data is overlaid transparently along the edge of the monitor so as not to obscure the camera image, with the audible warning via the monitor speakers.

- Overlay detection data for up to 2 radar sensors on a single monitor.
- Complies with CAN 2.0A Base Frame Format.
- Detects multiple moving and stationary objects.
- High frequency continuous wave provides increased reliability & low false alarm rates.
- Adjustable detection range up to 30m.
- 3 trigger inputs used for activating components such as alarms and beacons.
- Environmentally sealed sensor – IP69K
- Sensor can be steam & pressure cleaned.
- Multi-voltage.
- 3 year warranty.

Electrical



Traffic Direction

IONNIC Traffic Master

NEW



10V 30V 5Yrs

- 8 epoxy sealed, high output LED modules.
- Controller shows flash pattern in real-time.
- 8 flash patterns for each of the three arrow modes and 20 for the caution mode.
- Supplied with controller, harness and stainless steel mounting brackets.
- Lightbar environmentally sealed – IP67.
- Available with 8m or 12m controller harness.
- Dimming function via controller.
- Low current draw.
- Multi-voltage.
- 5-year warranty.

Voltage :	10–30V
Max. Current Draw :	5A @ 12V
Lens :	Polycarbonate
Base :	Aluminium
Light Source :	250 x 0.2W LEDs
Total Weight :	3.8kg
Ingress Protection :	Lightbar IP67
Operating Temperature :	-40°C to 60°C



IP67



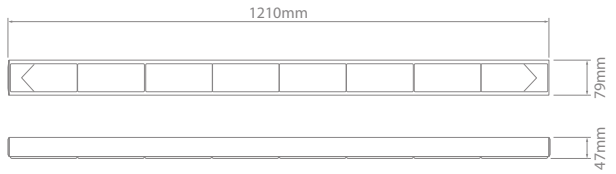
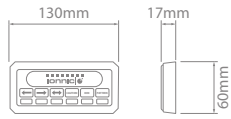
Controller shows flash pattern in real-time

Watch video

Intro Video



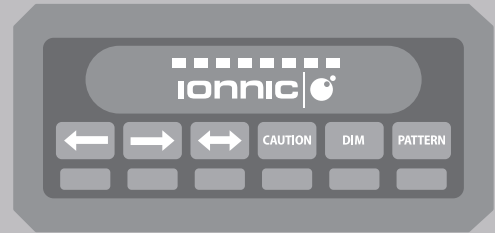
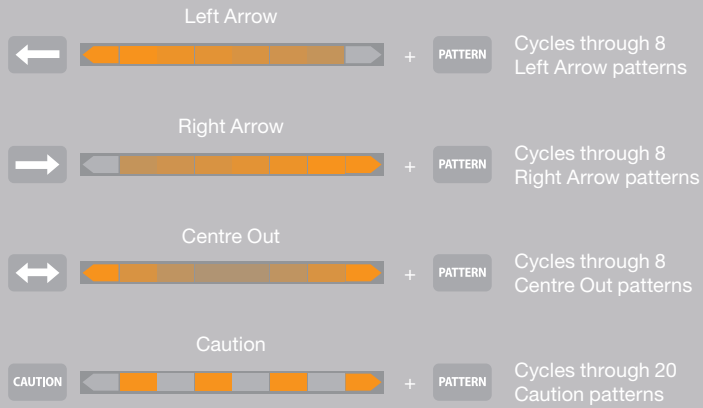
Harness exits from side of housing for easy installation



IONNIC Traffic Master **NEW**

8m Harness	12m Harness
S30000	S30000/12M

Controller Functions



The purpose-built switch panel provides simple and total control of all lightbar functions.

Each of the 3 arrow modes (includes Centre Out) have 8 patterns. The Caution mode has 20 patterns. Cycling through the different patterns is done by pressing the PATTERN button.

Pressing the DIM button toggles the dimming function on or off.

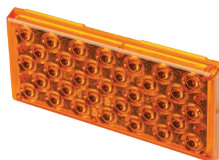
Controller Operation Video



Watch a quick video on the Traffic Master controller operation.

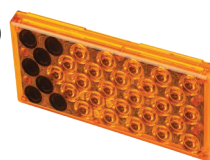


S30000CONTROL



S30000CTRMOD

IP67



S30000ENDMOD



S30000-EH15

IONNIC Traffic Master – Spare Parts & Harness Extension NEW

Part No.	Description
S30000CONTROL	Controller
S30000CTRMOD	LED Module – Centre
S30000ENDMOD	LED Module – End
S30000-EH15	Controller harness extension. Converts S30000 into 15m. Converts S30000/12m into 19m.



Traffic Director

IONNIC Traffic Director



LSTA001

12V
24V

5Yrs

- 10 epoxy sealed, high output LED modules.
- Controller shows flash patterns in real-time.
- Each mode has multiple selectable flash patterns.
- Supplied with mounting brackets, controller and harness.
- End modules available in 4 colour combinations.
- Dimming function via controller.
- Epoxy-encapsulated electronics for environmental & vibration protection.
- Multiple mounting options.
- LEDs rated to 100,000 hours.
- Low current draw.
- Multi-voltage.
- 5-year warranty.

Voltage :	12-24V
Max. Current Draw :	3.5A @ 12V
Lens :	Polycarbonate
Base :	Aluminium
Approvals :	ECE R10, SAE-W-07
Light Source :	40 x 1W LEDs
Controller Harness Length :	12m
Power Harness Length :	12.5m
Kit Weight :	3.6kg
Ingress Protection :	LED Modules IP67
Operating Temperature :	-40°C to 80°C

Controller Functions

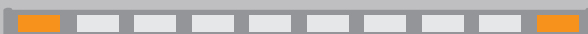


The Director Pattern (DIR. PAT.) button is used in conjunction with the top 4 buttons. When one of the top four patterns is engaged, pressing the DIR. PAT. button will then cycle to the next version of that pattern. There are 8 versions of each of the four patterns.

IONNIC Traffic Director patterns can be factory locked, MOQ's required.



- + Cycles through 8 Left Arrow patterns
- + Cycles through 8 Right Arrow patterns
- + Cycles through 8 Centre Out patterns
- + Cycles through 8 Caution patterns



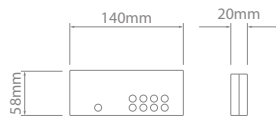
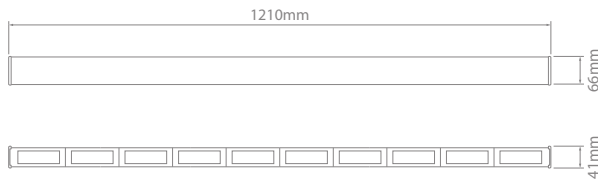
The END LIGHT button controls the two outermost LED modules only. When the END LIGHT pattern is engaged, the END PAT. button cycles through the 8 versions of the END LIGHT pattern.

IONNIC Traffic Director patterns can be factory locked, MOQ's required.



- + Cycles through 8 End Light pattern variants

Traffic Direction



Supplied with mounting brackets, controller and harness

IONNIC Traffic Director



Supplied with mounting brackets, controller and harness.

All LED modules are clear.

Controller harness must not be shortened or modified.



LSTA410TP



LS-M43T-A, LS-M43T-B, LS-M43T-G, LS-M43T-R

IONNIC Traffic Director – Spare Parts

Part No.	Description
LSTA410TP	Controller
LS-M43T-A	LED Module – Amber
LS-M43T-B	LED Module – Blue
LS-M43T-G	LED Module – Green
LS-M43T-R	LED Module – Red

