

# VEHICLE IDENTIFICATION LED BOARDS



LED | LIGHTING CATALOG



# LIGHTING SOLUTIONS

## FOR MINING CLASS VEHICLES AND EQUIPMENT

In high-traffic mining areas, safety is essential – especially in harsh conditions. With a 120° extra wide viewing angle Vision X LED identification boards allow personnel to quickly identify vehicles. Multi-colored boards make it easier to determine the orientation of mining vehicles at night or during extreme weather.

### Applications

- Ground Engaging
- Tracked
- Rubber Tire



## COUNTLESS COMBINATIONS

Each digit consists of 195 high-output LEDs that are available in red, green, blue, or amber. The 3-digit board can produce 4,960 combinations, while the 2-digit board can produce 1,540 combinations.

## MAGNETIC SENSOR

The magnetic sensor allows for up to 999 unique vehicle identification numbers from one material number.

## AUTO DIMMABLE

The 2 digit and 3 digit boards automatically adjust brightness depending on day or night lessening eye strain.

## CONTROLLER AREA NETWORK (CAN BUS) Available

The number boards are available with CAN technology, delivering real-time communication between vehicle application devices and the number boards resulting in reduced wiring and real time weight and vehicle status display.

## MESSAGE DISPLAY

Secondary B-O (Bad Order) display message to indicate equipment needs service or is inoperative.



SLIM DESIGN



# LED BOARD FIT-OUT GUIDE



1 AMBER

Orientation : Front  
Beam Pattern : 120°  
Item # : MIL-ID02A, MIL-ID03A

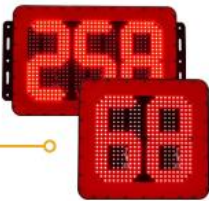


2 GREEN

Orientation: Side  
Beam Pattern : 120°  
Item # : MIL-ID02G, MIL-ID03G

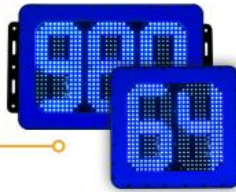


3 RED



Orientation : Back  
 Beam Pattern : 120°  
 Item # : MIL-ID02R, MIL-ID03R

4 BLUE



Orientation : Side  
 Beam Pattern: 120°  
 Part # : MIL-ID02B, MIL-ID03B

ID BOARD SERIES



# 2 DIGIT BOARD SPECIFICATIONS

## MECHANICAL

<b>Fixture Weight w/ Brackets:</b>	21 lbs (9.53kg)
<b>Shipping Weight:</b>	24 lbs (10.89kg)
<b>Mounting:</b>	Modular Mounting Brackets
<b>Hardware:</b>	Included (with magnetic sensor)

## TECHNICAL

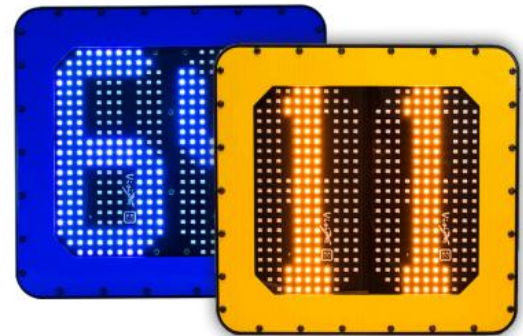
<b>LED:</b>	5050 (0.2W)
<b>Color:</b>	Red, Green, Blue, Amber
<b>Lumens:</b>	-
<b>Beam Pattern:</b>	120° Extra Wide View
<b>Wattage:</b>	78W
<b>Amp Draw:</b>	6.5A @ 12V
<b>Operating Voltage:</b>	12-36V DC
<b>Operating Temperature:</b>	-40°C ~ 80°C
<b>Lifespan:</b>	50,000 hrs
<b>Connector:</b>	3 Pin Deutsch

## CONSTRUCTION

<b>Housing:</b>	Die-Cast 6061 Aluminum
<b>Housing Color:</b>	Black
<b>Lens:</b>	Polycarbonate

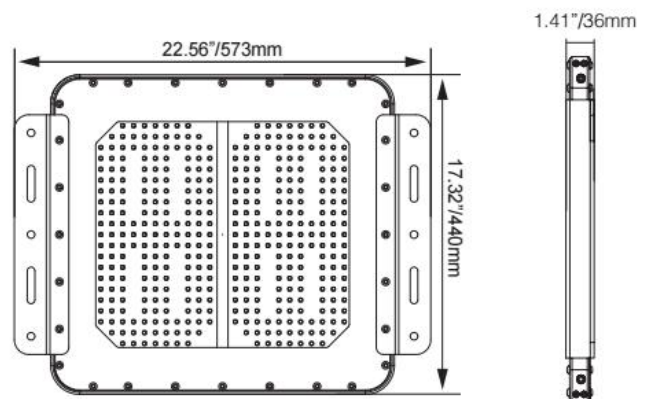
## RATINGS

<b>EMC Emission:</b>	CISPR 25 Class 1
<b>Ingress Protection:</b>	IP-68/ IP69K
<b>Vibration Rating:</b>	21.2 Grms
<b>Warranty:</b>	3 Years



PART #:	# of DIGITS	COLOR
MIL-ID02R	2	Red
MIL-ID02G	2	Green
MIL-ID02B	2	Blue
MIL-ID02A	2	Amber

## 2D DRAWING



# 3 DIGIT BOARD SPECIFICATIONS

## MECHANICAL

Fixture Weight w/ Brackets:	27 lbs (12.25kg)
Shipping Weight:	30 lbs (13.61kg)
Mounting:	Modular Mounting Brackets
Hardware:	Included (with magnetic sensor)

## TECHNICAL

LED:	5050 (0.2W)
Color:	Red, Green, Blue, Amber
Lumens:	-
Beam Pattern:	120° Extra Wide View
Wattage:	117W
Amp Draw:	9.75A @ 12V
Operating Voltage:	12-36V DC
Operating Temperature:	-40°C ~ 80°C
Lifespan:	50,000 hrs
Connector:	3 Pin Deutsch

## CONSTRUCTION

Housing:	Die-Cast 6061 Aluminum
Housing Color:	Black
Lens:	Polycarbonate

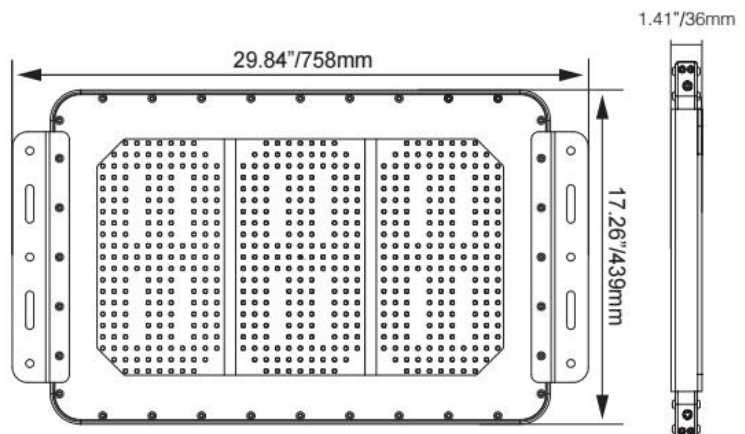
## RATINGS

EMC Emission:	CISPR 25 Class 1
Ingress Protection:	IP-68/ IP69K
Vibration Rating:	21.2 Grms
Warranty:	3 Years



PART #:	# of DIGITS	COLOR
MIL-ID03R	3	Red
MIL-ID03G	3	Green
MIL-ID03B	3	Blue
MIL-ID03A	3	Amber

## 2D DRAWING



ID BOARD SERIES





**NOTES:**

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