

Certificate of Acceptance

Certificate No: PA05/00898 Issue: 4 Date: 03.02.05
Effective date: 03.02.05 Page 1 of 4

Product: Bulkhead Light Unit - LED Illuminated

Manufacturer: Marl International Ltd
Ulverston
Cumbria
LA12 7RY

The product above is accepted for use on the Network Rail infrastructure within the defined scope of acceptance and any specific conditions in the certificate.


Scope of Acceptance

For use as a Buffer Stop Light or Barrow Crossing Indicator.

Specific Conditions:

See following pages for more detailed specific conditions of use and the product configuration.

Authorised by:



Andrew Simmons BSc, CEng, FIEE, FIRSE
Professional Head of Signal Engineering



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SPECIFIC CONDITIONS (Manufacturer/Supplier)

- Use of this light unit shall be subject to the approval of a Signal Sighting Committee. Committees should note that the angle of readability of these units is less than that of filament-lamp Barrow Crossing Indicators.
- The light unit has been accepted as a buffer stop light for design and manufacture complying with the requirements of Railway Group Standard GK/RT0031 issue 3.
- The units can conform to the supply voltage available at specific locations, 110 volt supply is to be the first choice voltage.
- When used as a Barrow Crossing Indicator, the unit must be used in conjunction with a hood.
- Any deficiency affecting the product quality, functionality and safety integrity shall be notified in writing within 48 hours (including corrective action undertaken or proposed) to Network Rail HQ Acceptance Services.
- Manufacturers/Suppliers are responsible for ensuring that they are in possession of the latest relevant standards and/or drawings, and for ensuring that their products are compliant.
- Any proposed change to the product configuration (to the actual product or its application) shall be put forward in writing to Network Rail, HQ Acceptance Services.

PRODUCT CONFIGURATION

Part No.	Description	PADS No.
084-501-99-64	Red Light Emitting Diode Buffer Stop Light (110 volt)	055/050262
084-501-76-65	Red Light Emitting Diode Buffer Stop Light (230 volt)	055/050263
084-997-99-64	White Light Emitting Diode Buffer Stop Light/ Barrow Crossing Indicator. (110 volt)	055/050270



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ASSESSED DOCUMENTATION

Reference	Title	Date
OPT/1072	Scientifics report: Report of Optical Measurements and Visual Observations of LED Buffer Stop Light.	23.05.00
-	Fax from Marl regarding white LED	12.02.01
	Critical Review Report of Trial at Newark Northgate Station	13.01.05

CERTIFICATE HISTORY

Issue Number	Date	Issue History
1	03.01.01	First accepted for use.
2	13.02.01	White LED added to certificate
3	26.02.01	Part numbers amended
4	03.02.05	Amended to include use as a Barrow Crossing Indicator



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DISTRIBUTION

<u>Manufacturer</u>	<u>Sponsor</u>	<u>Agent</u>
Marl International Ltd Ulverston Cumbria LA12 7RY sales@marl.co.uk	N/A	N/A

For PADS records

Mark Coley Serco Raildata Ltd, Derby mcoley@serco.railtest.co.uk	PADS Input Agent National Railway Supplies Ltd, Crewe s.adams@natrail.com
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For onwards briefing

Network Rail Territories

Scotland

Raj Sinha (TMIM) raj.sinha@networkrail.co.uk	Peter Agnew (PMMT) peter.agnew@networkrail.co.uk	Andy Wilson (TTM) andrew.wilson5@networkrail.co.uk
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Arthur Gallagher (ACM) arthur.gallagher@networkrail.co.uk	Allan McCarthy (AMSWA) allan.mccarthy@networkrail.co.uk
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London North Eastern London North Western Western South East	Rachel Leighfield Finch(*) Track Standards & Compliance Engineer, Swindon rachel.leighfield@networkrail.co.uk
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Other locations

WCRM 1 Eversholt Street, London steven.renolds@networkrail.co.uk	Thameslink 2000 Friars Bridge Court, London peter.harman@tl2k.co.uk
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HQ Acceptance Services
Engineering Directorate
40 Melton Street
London
NW1 2EE

IMPORTANT INFORMATION FOR USERS

From: Peter Anderson

Tel: 085 78423 (0207 557 8423)

Fax: 085 79013 (0207 557 9013)

Email: Peter.Anderson@networkrail.co.uk

Date: 03.02.05

Product Acceptance Advice Note

This advice note provides appropriate background information and any specific action that may be required in accordance with the **attached certificate**. It will enable you to meet your obligations in meeting the requirements of the Company procedure RT/LS/P/029.

Certificate Ref.	Issue	Product
PA05/00898	4	Bulkhead light Unit - LED Illuminated

Manufacturer

Marl International Ltd
Ulverston, Cumbria
LA12 7RY

Background/ Reason for Issue

Previous certificates were for the buffer stop light. This certificate accepts the white light for use in Barrow Crossing Indicators.

Network Rail action

Deficiencies in performance affecting the accepted functionality of the product or safety integrity identified by users of the product shall be reported in writing to Network Rail, HQ Acceptance Services.

Product Acceptance Specialist