MLMT/120
Marker & Tail light 120 mm
Product Configuration

Company

Project

Type of train

○ New build   ○ Refurbishment

⚠ This file is interactive, Please 'Select' or 'click' when mentioned to guide you through your selection

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1 POSITION

○ Lower light   ○ Upper light

2 FIRE & SMOKE

European standard
○ EN 45545

American standard
○ NFPA130

○ Other

3 REQUESTED FUNCTIONS

○ White marker lamp full mode

○ White marker lamp dimmed mode

○ Other

○ Red tail lamp

○ Amber lamp

4 OPTICAL CHARACTERISTICS

4a Compliance requested

European standard
○ EN15153-1/ TSI LOC&PAS

American / Australian standard
○ 49 CFR 221.14 / AS 7531

Indian standard
○ RDSO

○ Other

Click here to see standard values

4b Attenuation of existing customer glass on the train

○ No customer glass

○ 15% -> 25%
Tempered & light tilted glass

○ 0% -> 15%
Standard vertical glass

○ 25% -> 35%
Tempered & stark tilted glass

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5 FLASHING MODE

○ No   ○ Yes

If yes

○ Autonomous   ○ Non autonomous (Driven by train system)   ○ Frequency [_____]

6 LIGHT STATUS FEEDBACK

○ Potential free contact without common, open on cefect

○ Without feedback

○ Other - Please join a drawing

Click here to see diagrams

7 LENGTH

○ Standard: 500 mm ± 30 mm

○ 1000 mm ± 50 mm

○ 2000 mm ± 50 mm

○ Other [_____] mm

8 CONNECTOR

○ Standard: without connector

○ Other [_____]

9 MOUNTING

○ Front mount

○ Rear mount

10 FRONT COVER

○ Standard: Plastic (PC)

○ Tempered glass

11 OTHER REQUEST / COMMENT

Because of the constant evolution in standards and materials, the texts and images of this document do not constitute a contractual agreement.

Information about standard values

A LUMINOUS INTENSITY

EUROPEAN STANDARD - EN15153-1/ TSI LOC&PAS

Lower lamp

Function	Optical axis	Angles
Full white marker lamp	300 to 700 cd	at ± 45° : 15 to 40 cd
Dimmed white marker lamp	100 to 300 cd	at ± 45° : 3 to 40 cd
Red tail lamp	15 to 100 cd	at ± 7.5° horizontal : 7.5 to 100 cd
		at ± 2.5° vertical : 7.5 to 100 cd

Upper lamp

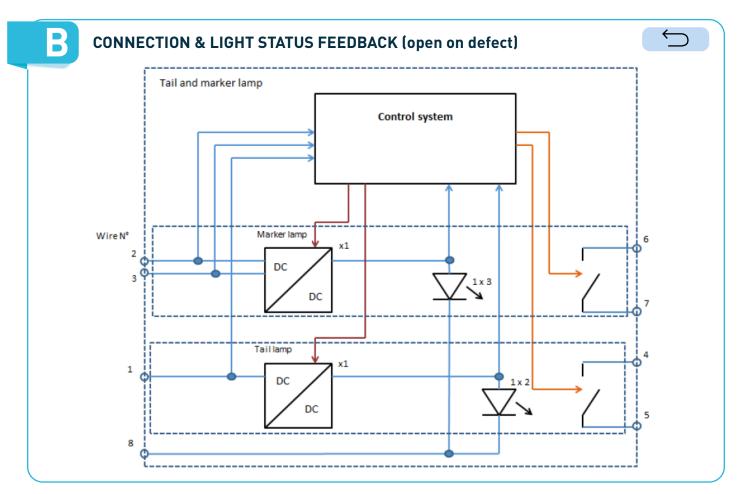| Function	Optical axis	at ± 10° in horizontal plan
Full white marker lamp	150 to 350 cd	30 to 350 cd
Dimmed white marker lamp	50 to 150 cd	10 to 350 cd

AUSTRALIAN STANDARD - AS7531

Function	Optical axis
White marker light	> 100 cd
Red marker light	> 100 cd

AMERICAN STANDARD – 49 CFR 221.14

Function	Optical axis
Red marker light	> 100 cd and < 1 000 cd

INDIAN STANDARD - RDSO

Function	Optical axis
White marker light	> 75 cd
Red marker light	> 75 cd
Amber flasher light	> 500 cd

B CONNECTION & LIGHT STATUS FEEDBACK (open on defect)