

# LED Coach Lighting



AC III-Tier Coach fitted with LED Lights

With the rich experience gained through manufacturing of LED based street lighting and home lighting products MIC has successfully ventured into design and manufacture of LED based Railway Coach Lighting products.

## LEDs used

Super bright high intensity white LEDs from NICHIA Corporation, Japan

## Uniform light output without glare

No IR and UV emission. Electronics efficiency more than 85%

Sl no	Type of Luminaire	Watt	Vertical Distance (Mtrs) from the floor level	Average Illumination Level (Lux)
1.	Passenger area Light (Corridor)	18W	0.84	120
2.	Passenger area Light (Cabin)	18W	0.84	120
3.	Door Way Light	9W	0.84	80
4.	Lavatory	9W	0.50	100
5.	Night Light Luminaire Cum Berth Indication	1W	10.0*	2
6.	Berth Reading Light Cum moile Charger	9W	0.75	100
7.	Emergency Exit Indication Light	1W	10.0*	5
8.	Luminaire for Toilet Indication Light	1W	1.0	5
9.	Reservation Chart Reading Light On Coach	3W	0.25	150
	Passenger Alarm Chain Indication Light	6W	400*	Clear visible
10.	Emergency light suitable for operation on 24V DC	5W	0.84	100



Emergency Exit Indicator



Berth Reading -cum-Mobile Charger



Berth Indication Lamp



Mirror Light



Emergency Light



Pathway Light



Toilet Occupancy Indicator



Reservation Chart Reading Lamp



Passenger Alarm Chain Indicator

## Emergency Light

The General Lighting inside the coaches is provided by 110V DC Supply. But during extreme emergencies like derailment and Accidents, etc sometimes the supply system fails causing total darkness inside the coach. To facilitate easy exit of the passengers and their immediate rescue during such emergencies this emergency light will provide illumination continuously for 12hours

## Berth Indication & Night Lamp

This single unit works as night lamp-cum-Berth Indication Lamp facilitating the passenger in identifying his Berth Number during Night time

## Pathway Light

For a better and High Illumination of complete pathway

## Berth Reading-cum-Mobile Charger

The directional feature of the LED Light helps in allowing the Passenger to Read without disturbing co-passengers

## Emergency Exit Indicator

Indicates the location of Emergency Exit Window inside the Coach

## Toilet Occupancy Indicator

Indicates the status of occupancy of the Toilet

## Reservation Chart Reading Lamp

This lamp helps in letting the Passengers go through the Reservation Chart before boarding the train. This light Turns off when the train is in motion

## Passenger Alarm Chain Indicator

Helps in easily locating the compartment in which the chain has been pulled so that unnecessary delays can be avoided