

Electrical systems & Lighting & components & accessories & supplies :UNSPSC:39

Lighting & fixtures & accessories UNSPC Code : 3911

Emergency lighting UNSPC Code : 31117

LED Light Bar (Strobe or warning lights)UNSPC Code : 391111706

S.No.	Parameters	Value 1	Value 2	Value 3	Value 4	Unit	Validation
GENERIC							
1	LED Light Bar	LED based Light Bar System- Low energy consumption and minimum wind drag.Maximizes Light dispersion . To help vehicle reach at spot quickly and safely.					
2	LED Light Bar Wattage	3	6	9	12	W	G
		15	18	36	50		
		100					
3	Length (in mm)					mm	TBD
4	Breadth (in mm)					mm	TBD
5	Height (in mm)					mm	TBD
6	Weight (in kg)					kg	TBD
CONSTRUCTION							
1	Illumination Source	SMD Led Chip		Through Hole LED			M
2	Nos of LED modules in Light Bar	1≤N≤10				TBD	
3	Nos of LEDs in one module						TBD
4	Shape	V-Shape	Rectangular	Trapezoidal			MF
5	Color of LED Light	Red, White and Blue	Purple	Amber	Blue		MF
6	Operation Modes	On, Off		On, Off, Cruise			MF
7	Brightness Levels	3		4			MF
8	Number of Flash patterns	4	8	16		Nos	MF
9	Flash Pattern Change with Memory Recall	Yes		No			MF

10	Brightness Control	Yes		No			MF
11	Strobe Pattern	Yes		No			MF
12	Number of Light heads	5		7		Nos	MF
13	Light head Configuration	2 Blue, 2 Red & 1 White		3 Blue, 3 Red & 1 White			MF
14	Total number per Lighthouse	24		48		Nos	MF
15	Control Box	Yes					M
16	Lens material	Polycarbonate	PMMA	Silicone			MF
17	Lens Type	Flare	Collimating	Fresnel			MF
18	Lighthouse Outer Cover	Fresnel		Non-Fresnel			MF
19	Mounting Type	Permanent Mount					M
20	Outer body Construction material	Powder Coated Aluminium and Polycarbonate					M
21	Length of cable (in Metre)	2	4	6	8	m	MF
22	Unibody Manufacturer embossed Logo on Plastic Lighthouse Cover without any stickers and labels	Yes					M
23	Protective Grill for each Lighthouse	Yes		No			MF
PERFORMANCE							
1	Light Bar Lumens						TBD
2	Illumination for each LED used	≥ 100 lumen per watt				lm	TBD
3	Operating Voltage	10 to 30 VDC					M
4	Reverse Polarity protection	Yes		No			MF
5	Over voltage protection range	yes					MF
6	LM80 certified LEDs	Yes		No			MF
7	Control Box & Switch Ingress Protection	IP65		IP67			MF
8	LightBar Ingress Protection	IP65		IP67			MF
9	Inter Lighthouse Synchronization	Yes					M
10	Separate Driver for each LED series of 3	Yes					M
11	Computer Configurable settings	Yes		No			MF
12	Light revolving speed proportional to vehicle speed	Yes		No			MF
13	Integration with Vehicle ECU	Yes		No			MF

CERTIFICATIONS

1	Availability of Type Test Report to prove conformity of declared parameters to SAE J 845 with SAE J575 (test method) from any ILAC/NABL accredited/Central Govt Lab	YES		M
2	Test Report Number and Date			M
3	Name of Lab and Address			M
4	Any other certification like :CE /UL/FM	Yes	TBD	M