



GENERAL LED LIGHTING

Creating energy efficient spaces
with new-age lighting solution

LED EMERGENCY LAMP

7W/9W/12W

- Light Up automatically in the absence of power supply
- No UV effect
- Zero mercury (Hg) product
- Non dimmable
- Instant bright Light
- No addition switch to be operated



Parameter	Specification			Units
	MOL	MOW	MOH	
MOL	123	125	125	mm
MOD	63	65	65	mm
Lamp Base	B-22 Aluminium			
Weight	145	150	155	gms
Print Details if any	Ref: Buyer's Spec			

Parameter	Conditions	7W	9W	12W
Voltage @ 50Hz (Vrms)	Nominal and +/- variations		110 - 270	
Working Temperature Range (°C)			5-45	
Starting Time (Sec)	Cold Start		<1	
Initial Lumen Output (2700/6500K) Lm	Vertical position, nominal line	700	900	1200
Input Wattage (W)	Vertical position, nominal line	7W(±10%)	9W(±10%)	12W(±10%)
Input Current (Running) (A)	Vertical position, nominal line	0.035	0.045	0.055
Power Factor		> 0.9	> 0.9	> 0.9
Harmonics (%)		< 20	< 20	< 20
Surge Protection (kV)		>2.5	>2.5	>2.5
Ingress Protection		IP20	IP20	IP20
CRI	Vertical position, nominal Voltage	>80	>80	>80
CCT	Vertical position, nominal Voltage		6500 (±500)	
Efficiency (lm/w)			90 - 100	

On DC for 7W/9W and 12W				
Input / Output Product Ratings at : 25° +/- 2°C, RH<65%	Specification			
Battery Capacity (mAh)	Nominal and +/- variations	1800	2000	2200
Battery Charging Time (Hrs)		10.5	11	11.5
Back Up up to (Mins)		120	150	180
Starting Time (Sec)	Cold Start		<1	
Initial Lumen Output (Lm)		300	325	350
Ingress Protection			IP20	
CRI			>80	
CCT (K)		6000	6500	7000
Regulatory Standards Parameter	Reference Document	Other Compliance if any Product Marking (Print)		
Operating Voltage (V)	Nominal Voltage in AC	120	230	300
Equivalency (W)	W Incandescent	90		
Packing Details	Material and size	Printing		
Single Piece	As per Buyer's layout Design	As per Buyer's Layout Design		
20 pieces Master Box		As per Buyer's Layout Design		
Label on Master Box	Printed on Master Box	As Buyer's Layout Design		

LED BACKLIT PANEL

36W

- Efficacy up to 110lm/W
- TP(a) rated thermoplastic diffuser as an option
- Long lifetime with 50,000 hrs L70B50 at Ta 25°C
- Operating temperature from -30°C to +45°C
- IP40 rated
- Easy plug & play connector
- Loop through adaptor enhance ease of installation



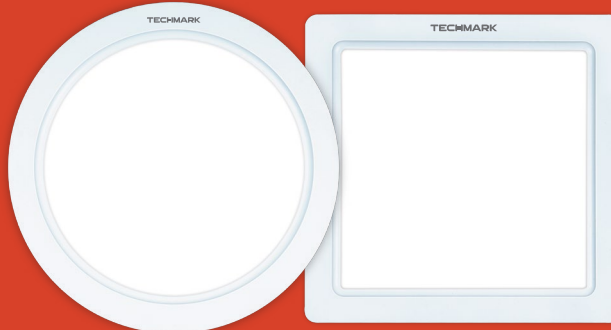
Also available in
Emergency Series

Lamp Wattage	Product Parameters (6500K)				
	Cutout Round (mm)	Cutout Square (mm)	Height (mm)	Elec. Driver	Lumen
5W	108	108×108	25	Non Isolated / Isolated	400
10W	132	132×132	25	Non Isolated / Isolated	800
15W	156	156×156	25	Non Isolated / Isolated	1050
20W	177	177×177	25	Non Isolated / Isolated	1400
24W	204	204×204	25	Non Isolated / Isolated	1680
Parameter	Conditions				
Voltage @ 50/60Hz (Vrms)	220-240 VAC				
Working Temperature Range (°C)	-30 to +40 °C				
Starting Time (Sec)	Cold Start				
Parameter	Conditions -10° + 50°C				
CRI	Ra80				
Power Factor	> 0.9				
Total Harmonics (%)	< 30				
Surge Protection (kV)	1000				
Ingress Protection (IS-16102)	IP20/IP40				
Colour Temp (°K)	6500 K				
Beam Angle	110°				

STEP DOWNLIGHT PANELS

5W/10W/15W/20W/24W

- No UV effect
- Instant bright light
- Ultra bright
- Energy savings
- Long life
- Zero mercury (Hg) product
- No dimmable



Also available in
Emergency Series

Lamp Wattage	Product Parameters (6500K)				
	Cutout Round (mm)	Cutout Square (mm)	Height (mm)	Elec. Driver	Lumen
5W	108	108×108	25	Non Isolated / Isolated	400
10W	132	132×132	25	Non Isolated / Isolated	800
15W	156	156×156	25	Non Isolated / Isolated	1050
20W	177	177×177	25	Non Isolated / Isolated	1400
24W	204	204×204	25	Non Isolated / Isolated	1680
Parameter	Conditions		MIN	NOM	MAX
Voltage @ 50Hz (Vrms)	Nominal and +/- variations		100	230	380
Working Temperature Range (°C)			10	25	50
Starting Time (Sec)	Cold Start				<1
Parameter	Conditions -10° + 50°C				
CRI			80	80	81
Power Factor			0.91	0.95	0.97
Total Harmonics (%)				< 30	
Surge Protection (kV)			2	2.5	2.5
Ingress Protection (IS-16102)				IP20	
Colour Temp (°K)	Cool Day Light		6000	6500	7000
Colour Temp (°K)	Natural Day Light		3500	4000	4500
Colour Temp (°K)	Warm Day Light		2800	3000	3500

STREET LIGHT

15W/25W/45W

- No UV effect
- Instant bright light
- QR code implemented for each bulb
- Ultra bright
- Energy savings
- Long life
- Zero mercury (Hg) product
- Non dimmable



White	Lamp Wattage	Product Parameters					
		Length	Width	Height	Weight	Current	Lumen
6500K	15W	80 mm	70 mm	225 mm	650 gram	75 mA	1350
6500K	25W	80 mm	70 mm	325 mm	780 gram	125 mA	2250
6500K	45W	80 mm	70 mm	325 mm	780 gram	23 mA	4050
Parameter	Conditions	MIN	NOM	MAX			
Voltage @ 50Hz (Vrms)	Nominal and +/- variations	100	230	380			
Working Temperature Range (°C)		-10	25	50			
Working Humidity Range (°C)		-10	25	90			
Starting Time (Sec)	Cold Start			<1			
Parameter	Conditions -10° + 50°C	MIN	NOM	MAX			
CRI		80	80	81			
Power Factor (C)		0.9	0.9	0.95			
Total Harmonics (%)		25%	< 30	< 30			
Surge Protection (kV)		2.5	3.5	4			
Ingress Protection (IS-16102)			IP65				
Colour Temp (°K)	Cool Day Light	6000	6500	6700			
Colour Temp (°K)	Natural Light	2800	3000	3200			
Colour Temp (°K)	Warm Day Light	2800	3000	3200			
Beam Angle		240°	240°	240°			

LED BULBS

3W/5W/7W/9W/12W/15W

- No UV effect
- Instant bright light
- QR code implemented for each bulb
- Ultra bright
- Energy savings
- Long life
- Zero mercury (Hg) product
- No dimmable



Item Code		Lamp Wattage		Product Parameters			
White	Yellow		MOD Ø	MOL	Weight	Current	Lumen
6500K	3000K	3W	50 mm	90 mm	35 gm	13 mA	300
6500K	3000K	5W	57 mm	103 mm	39 gm	20 mA	500
6500K	3000K	7W	57 mm	110 mm	50 gm	30 mA	700
6500K	3000K	9W	60 mm	118 mm	60 gm	40 mA	900
6500K	3000K	12W	65 mm	122 mm	85 gm	52 mA	1150
6500K	3000K	15W	65 mm	122 mm	95 gm	60 mA	1425
Parameter	Conditions			MIN	NOM	MAX	
Voltage @ 50Hz (Vrms)	Nominal and +/- variations			100	230	440	
Working Temperature Range (°C)				-10	25	50	
Working Humidity Range (°C)				-10	25	90	
Starting Time (Sec)	Cold Start					<1	
Parameter	Conditions -10° + 50°C						
CRI				80	80	81	
Power Factor (C)				0.15	0.25	0.95	
Total Harmonics (%)				< 11%	< 14%	< 17%	
Surge Protection (kV)				2.5	3.5	4	
Ingress Protection (IS-16102)					IP65		
Colour Temp (°K)	Cool Day Light			6000	6500	6700	
Colour Temp (°K)	Natural Light			2800	3000	3200	
Colour Temp (°K)	Warm Day Light			2800	3000	3200	
Beam Angle				240°	240°	240°	