

TECH=MARK

Equal Partners

Creating energy efficient spaces
with new-age lighting solution



LED LIGHTING

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Illuminate spaces with modern lighting that blends efficiency and style. These cutting-edge solutions are designed to reduce energy consumption while providing superior brightness and ambiance. Ideal for creating comfortable, well-lit environments, they offer a sustainable approach to lighting without compromising on performance or design.



No UV Effect



Long Lifetime



Energy Saving



Bright Light

LED EMERGENCY LAMP

7W/9W/12W

Light Up automatically in the absence of power supply

UV Light Resistant

Zero mercury (Hg) product

Non dimmable

Instant bright Light

No addition switch to be operated



Parameter	Specification			
	MOL	MOW	MOH	Units
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	Reference Document	Other Compliance if any		
Parameter		Product Marking (Print)		
Operating Voltage (V)	Nominal Voltage in AC	120	230	300
Equivalency (W)	W Incandescent		90	
Paking 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 BULBS

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

UV Light Resistant

Instant bright light

QR code implemented for each bulb

Energy savings

Long life

Zero mercury (Hg) product

Non 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°	

Step Downlight Panels 5W/10W/15W/20W/24W

Also
available in
Emergency
Series

UV Light Resistant

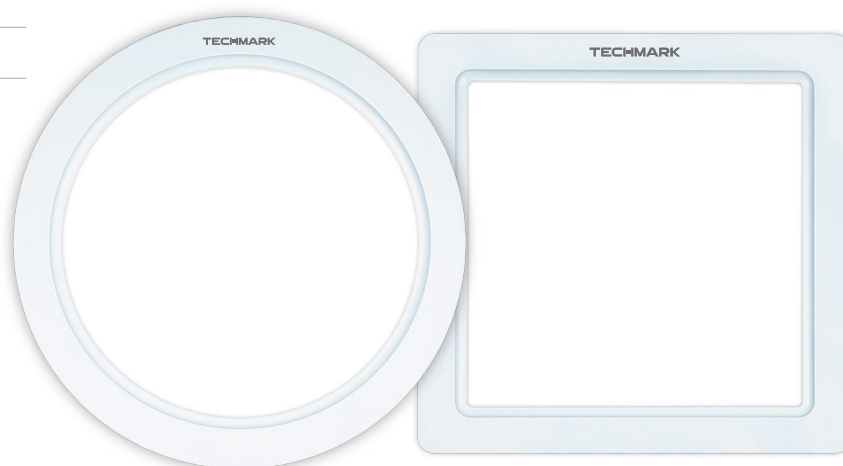
Instant bright light

Energy savings

Long life

Zero mercury (Hg) product

Non dimmable



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

LED
LIGHTING



LED BACKLIT PANEL 36W

Also
available in
Emergency
Series

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



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°			

STREET LIGHT 15W/25W/45W

Instant bright light

QR code implemented for each bulb

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					
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°	



TECHMARK INTERNATIONAL FZE
Consumer Durables & More

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