

axiom
POWER IN SAFE HANDS

LED LIGHTING
Complete LED
Solutions

**Brochure
2022**



LED LIGHTING TECHNICAL PARAMETER SHEET



LED BULB

The light-emitting diode (LED) is today's most energy-efficient and rapidly-developing lighting technology. Axiom Quality LED light bulbs last longer, are more durable, and offer comparable or better light quality than other types of lighting.

SPECIFICATION	9 Watt	12, 15, 18, 23 Watt
Colour Temperture	6500k	6500k
Power Factor	>0.95	>0.95
Surge Protection	4KV Surge	4KV Surge
Input Voltage	AC 90-400 V	AC 90-400 V
Base Type	B22d/E27	B22d/E27
Colour Rendering Index (CRI)	>80	>80
Total Harmonic Distortion (THD)	<20%	<20%
Ingress Protection (IP)	Ip20	IP20

LED LIGHTING TECHNICAL PARAMETER SHEET

HIGHER WATTAGE BULB

The high wattage range of LED bulbs is a perfect replacement for conventional CFLs. These lamps deliver 100 lumen/ watt. It lights up large areas while consuming less energy. This light weight, economical lamp is most suited for outdoor illumination requirements.



SPECIFICATION	30W	40W
Length	180 mm	232 mm
Width	100 mm	120 mm
Thickness / Depth	86.29 mm	115.37 mm
Weight	204 gms	333 gms
Base	Aluminium / Nickel	Aluminium / Nickel
Print Details	Ref: Buyer's Specs.	Ref: Buyer's Specs.
ELECTRICAL PARAMETER		
Driver Type	Non Isolated Driver (HPF)	Non Isolated Driver (HPF)
Input Power (W)	30 ± 5%	40 ± 5%
Input Voltage (Vac)	100V-305V	100V-305V
Input Current (mA)	136 ± 5%	180 ± 5%
Power Factor	>0.95 ± 5%	>0.95 ± 5%
Output Current (mA) dc	560-600 mA	600-650 mA
Driver Efficiency (%)	90%	90%
Output Voltage (DC)	45V-48V	55V-60V
Operating Frequency (Hz)	50Hz	50Hz
Surge Protection	4KV Surge	4KV Surge
OPTICAL		
LED Type	SMD LED (2835) 1W / 6V	SMD LED (2835) 1W / 6V
LED Make	BMTC / Everstar	BMTC / Everstar
LED Lumen (lm/W)	>100	>100
No of LED	48 (8S6P)	60 (10S6P)
LED Driving Current (mA) ±10%	150	150
System Luminous Flux (Lumen) ±10%	3300	4400
Luminaire Efficacy (Lm/W) ±10%	110	110
Color Temperature (K) ±510K	6500K / 4000K / 3000K	6500K / 4000K / 3000K
CRI	>80	>80
Life Span (Hrs.)	>50000 Hrs	>50000 Hrs
Luminaire Angle (Degree)	>180	>180
ENVIRONMENTAL		
Working Temp Range (°C)	10°C to +45°C	10°C to +45°C
Working Humidity Range	0-90%	0-90%
Storage Temperature	10°C to +50°C	10°C to +50°C
Storage Humidity	5 - 95%	5 - 95%
Certification	BIS	BIS
MECHANICAL		
IP Grade	IP44	IP44
Base	Aluminium / PC	Aluminium / PC
Diffuser/Glass	PC	PC
Glass Thickness	2.10 mm	2.84 mm
Horizontal/Vertical Rotation Angle	90°	90°

CONCEALED LIGHT

The concealed lights are basically indirect form of lights which face the ceiling and the lighting fixtures are concealed. It therefore adds to the warmth of the room as the lights are diffused. Hence, they are very welcoming and soothing to the eyes.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection	Output Short circuit protection	Output Open circuit protection	AC Isolation	
												High cut off	Low cut off				
7W	400 - 500	60 lm/watt	3000K, 4000K, 6500K	>75	150V - 270V	21V	270mA(max)	-	-	>75%	30V (max)	2.5KV	-	-	Yes	Yes	Yes
12W	750 - 850	70 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	270mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes

SPOT LIGHT / COB

Axiom has introduced one of the most cutting-edge adjustable optics available, which ensures the product's eco-friendliness and durability. Cob LED lights are compact along with feature shock resistance, enhancing the look of interior spaces in accordance with the international quality standards.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection	Output Short circuit protection	Output Open circuit protection	AC Isolation	
													High cut off	Low cut off			
2W	-	-	3000K, 4000K, 6500K	>75	150V - 270V	3V	300mA(max)	-	-	>50%	9V (max)	1.5KV	-	-	Yes	Yes	Yes
3W	150 - 300	75 lm/watt	3000K, 4000K, 6500K	>75	150V - 270V	18V	150mA(max)	-	-	>75%	30V (max)	2.5KV	-	-	Yes	Yes	Yes
7W	450 - 600	75 lm/watt	3000K, 4000K, 6500K	>75	150V - 270V	18V	270mA(max)	-	-	>75%	30V (max)	2.5KV	-	-	Yes	Yes	Yes
15W	1250 - 1450	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	380mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes
20W	1700 - 1900	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	480mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes
25W	2150 - 2350	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	650mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes
30W	2600 - 2800	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	750mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes

LED LIGHTING

TECHNICAL PARAMETER SHEET

DEEP COB

A COB light is a type of LED light, with COB standing for Chip-On-Board. COB lights are essentially an array of LED chips that are tightly packed together and bonded to a substrate such as silicon carbide.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection		Output Short circuit protection	Output Open circuit protection	AC Isolation
													High cut off	Low cut off			
7W	450 - 600	75 lm/watt	3000K, 4000K, 6500K	>75	150V - 270V	18V	270mA(max)	-	-	>75%	30V (max)	2.5KV	-	-	Yes	Yes	Yes
12W	950 - 1150	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	270mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes
20W	1700 - 1900	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	480mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes

DOWNLIGHTERS

Innovatively designed, these LED Downlighters display highly efficient and modern LED technology that blends seamlessly with the interiors of buildings. In addition to adding aesthetic value to the living space, the LED Downlighters lower maintenance costs while beautifully highlighting the desired areas.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection		Output Short circuit protection	Output Open circuit protection	AC Isolation
													High cut off	Low cut off			
7W (R/S)	350 - 500	60 lm/watt	3000K, 4000K, 6500K	>75	150V - 270V	21V	270mA(max)	-	-	>75%	30V (max)	2.5KV	-	-	Yes	Yes	Yes
12W (R/S)	800 - 1000	75 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	270mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes
16W (R/S)	1100 - 1300	75 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	48V	270mA(max)	<15%	>0.9	>80%	80V (max)	2.5KV	-	-	Yes	Yes	Yes
18W (R/S)	1250 - 1450	75 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	54V	270mA(max)	<15%	>0.9	>80%	80V (max)	2.5KV	-	-	Yes	Yes	Yes
24W (R/S)	1700 - 1900	75 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	72V	300mA(max)	<15%	>0.9	>80%	110V (max)	2.5KV	-	-	Yes	Yes	Yes
32W (R/S)	2300 - 2500	75 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	96V	300mA(max)	<15%	>0.9	>80%	145V (max)	2.5KV	-	-	Yes	Yes	Yes

SURFACE LIGHTS

This type of lighting comes in all shapes and sizes, and is ideal for settings where there is little space between the structural ceiling and the dropdown ceiling, or when the ceiling is exposed. In these situations, recessed lighting is difficult or nearly impossible to install.



SPECIFICATION	8, 15, 20 Watt
Colour Temperture	6500k/ 4000k/ 3000k
Power Factor	>0.95
Surge Protection	2.5KV Surge
Input Voltage	AC 90-400V
Base Type	Surface
Colour Rendering Index (CRI)	>80
Total Harmonic Distortion (THD)	<15%
Ingress Protection (IP)	Ip40
Design	Square, Round



LED BATTEN

LED batten lights are lighting fixtures that offer uniform, spot free illumination across different rooms. They are highly valued for their energy efficiency. LED batten lighting fixtures can help users save as much as 40% on energy bills in comparison to T5 fluorescent tubes.

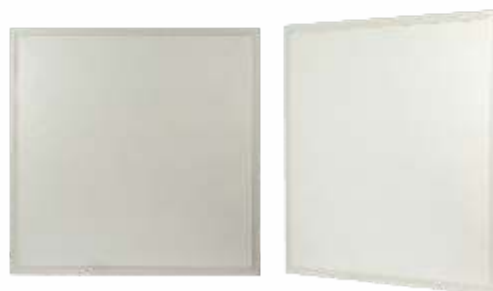
SPECIFICATION	5, 10, 20 Watt
Colour Temperture	6500k/ 4000k/ 3000k
Power Factor	>0.95
Surge Protection	4KV Surge
Input Voltage	AC 90-400V
Base Type	Wall / Ceiling Mount
Colour Rendering Index (CRI)	>80
Total Harmonic Distortion (THD)	<20%
Ingress Protection (IP)	Ip40

LED LIGHTING

TECHNICAL PARAMETER SHEET

DOWNLIGHTER 2 X 2 PANEL

With our selection of 2x2 LED flat panel light fixtures, you get the convenience of a flat panel to accommodate your ceiling type combined with the incredible power of LED lighting to replace fluorescent models. These flat panel 2x2 LED come in a variety of different wattages and lumen outputs.



SPECIFICATION	40W
Length	595mm
Width	595 mm
Thickness / Depth	32 mm
Weight	1300 gms
Base	Alluminium
Print Details	Ref: Buyer's Specs.
ELECTRICAL PARAMETER	40W
Driver Type	Isolated Driver (HPF)
Input Power(W)	40 ± 10%
Input Voltage (Vac)	100V-305V
Input Current (mA)	180 ± 5%
Power Factor	>0.90
Output Current (mA) dc	650-700 m
Adriver Efficiency(%)	90%
Output Voltage (DC)	55V-60V
Operating Frequency(Hz)	50Hz
Surge Protection	4KV Surge
OPTICAL	40W
LED Type	SMD LED (2835)1W / 9V
LED Make	BMTC / Everstar
LED Lumen(lm/W)	>100
LED Driving Current(mA)±10%	60
System Luminous Flux(Lumen)±10%	4400
Luminaire Efficacy (Lm/W)±10%	110
Color Temperature (K)±10K	6500K / 4000K /3000K
CRI	>80
Life Span(Hrs.)	>50000 Hrs
Luminaire Angle (Degree)	>120
ENVIRONMENTAL	40W
Working Temp. Range(°C)	10°C to +45°C
Working Humidity Range	0-90%
Storage Temperature	20°C to +60°C
Storage Humidity	5 - 95%
MECHANICAL	40W
IP Grade	Ip20
Base	Alluminium
Diffuser/Glass	PC
Glass Thickness	0.88 mm
Horizontal/ Vertical RotationAngle	90°



TRACK LIGHT

Track lights can be used to illuminate every space from a dark hallway to an office, to a cozy living room, or highlight beautiful artwork and family photos. There is no specific function or place for track lighting; with endless applications, they're an easy choice for any room in your home.

MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection	Output Short circuit protection	Output Open circuit protection	AC Isolation	
													High cut off	Low cut off			
25W	2150 - 2350	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	650mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes
30W	2600 - 2800	90 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	36V	750mA(max)	<15%	>0.9	>80%	54V (max)	2.5KV	-	-	Yes	Yes	Yes

LED STRIP LIGHT

An LED strip light is a flexible circuit board that is populated with LEDs that you can stick almost anywhere you want to add powerful lighting in a variety of colors and brightnesses.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection	Output Short circuit protection	Output Open circuit protection	AC Isolation	
													High cut off	Low cut off			
25W	300 lm/meter	50 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	12V	1A (max)	-	-	-	14V (max)	2.5KV	-	-	Yes	Yes	
30W	800 lm/meter	70 lm/watt	3000K, 4000K, 6500K	>75	100V - 300V	12V	1A (max)	-	-	-	14V (max)	2.5KV	-	-	Yes	Yes	

LED LIGHTING

TECHNICAL PARAMETER SHEET

FLOOD LIGHT

A floodlight is a broad-beamed, high-intensity artificial light. A flood light can be used anywhere the light needs to illuminate a large area like shipyards, manufacturing plants, construction sites, parking lots, highways, open fields etc. Axiom LED floodlights are highly energy efficient and have a higher lumen per watt output than any other conventional lighting system. The entire range is waterproof and IP 66 rated.



ELECTRICAL PARAMETER	30W	50W	100W
Driver Type	Isolated Driver (HPF)	Isolated Driver (HPF)	Isolated Driver (HPF)
Input Power(W)	30 ± 5%	50 ± 5%	100 ± 5%
Input Voltage (Vac)	100V-305V	100V-305V	100V-305V
Input Current (mA)	136 ± 5%	227 ± 5%	455 ± 5%
Power Factor	>0.95 ± 5%	>0.95 ± 5%	>0.95 ± 5%
Output Current (mA) dc	900mA	1500mA	3000mA
Driver Efficiency(%)	90%	90%	90%
Output Voltage (DC)	30V-42V	30V-42V	30V-42V
Operating Frequency(Hz)	50Hz	50Hz	50Hz
Surge Protection	4KV Surge	4KV Surge	4KV Surge
OPTICAL			
LED Type	SMD LED (2835) 1W / 6V	SMD LED (2835) 1W / 6V	SMD LED (2835) 1W / 6V
LED Make	BMTC / Everstar	BMTC / Everstar	BMTC / Everstar
LED Lumen (lm/W)	>100	>100	>100
No of LED	30 (5S6P)	50 (5S10P)	100 (5S10PX2)
LED Driving Current (mA) ±10%	150	150	150
System Luminous Flux (Lumen) ±10%	3300	5500	11000
Luminaire Efficacy (Lm/W) ±10%	110	110	110
Color Temperature (K) ±510K	6500K / 4000K / 3000K	6500K / 4000K / 3000K	6500K / 4000K / 3000K
CRI	>80	>80	>80
Life Span (Hrs.)	>50000 Hrs	>50000 Hrs	>50000 Hrs
Luminaire Angle (Degree)	>120	>120	>120
ENVIRONMENTAL			
Working Temp Range (°C)	10°C to +45°C	10°C to +45°C	10°C to +45°C
Working Humidity Range	0-90%	0-90%	0-90%
Storage Temperature	10°C to +50°C	10°C to +50°C	10°C to +50°C
Storage Humidity	5 - 95%	5 - 95%	5 - 95%
Certification	BIS	BIS	BIS
MECHANICAL			
IP Grade	IP66	IP66	IP66
Base	Aluminium	Aluminium	Aluminium
Reflector	PC	PC	PC
Diffuser/Glass	Toughened	Toughened	Toughened
Glass Thickness	3.5mm / 4mm	3.5mm / 4mm	3.5mm / 4mm
Horizontal/ Vertical Rotation Angle	90°	90°	90°

FLOOD LIGHT (HEAVY DUTY)

A floodlight is a broad-beamed, high-intensity artificial light. A flood light can be used anywhere the light needs to illuminate a large area like shipyards, manufacturing plants, construction sites, parking lots, highways, open fields etc. Axiom LED floodlights are highly energy efficient and have a higher lumen per watt output than any other conventional lighting system. The entire range is waterproof and IP 66 rated. The casing of this light is in heavy duty aluminium extrusion



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection		Output Short circuit protection	Output Open circuit protection	AC Isolation
													High cut off	Low cut off			
30W	3K-3.5K	110 lm/watt	3000K, 6500K	>75	100V - 300V	42V	600mA(max)	<10%	>0.9	≥85%	80V (max)	4KV	> 280V	-	Yes	Yes	Yes
45W	4.5K-5K	110 lm/watt	3000K, 6500K	>75	100V - 300V	48V	800mA(max)	<10%	>0.9	≥85%	80V (max)	4KV	> 280V	-	Yes	Yes	Yes
60W	6.2K-6.8K	110 lm/watt	3000K, 6500K	>75	100V - 300V	66V	800mA(max)	<10%	>0.9	≥85%	110V (max)	4KV	> 280V	-	Yes	Yes	Yes
80W	8.3K-9K	110 lm/watt	3000K, 6500K	>75	100V - 300V	60V	1.1A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	< 100V	Yes	Yes	Yes
100W	10.5K-11.5K	110 lm/watt	3000K, 6500K	>75	100V - 300V	78V	1.1A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	< 100V	Yes	Yes	Yes
150W	16K-17K	110 lm/watt	3000K, 6500K	>75	100V - 300V	60V	2.2A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	< 100V	Yes	Yes	Yes
190W	20K-21.5K	110 lm/watt	3000K, 6500K	>75	100V - 300V	78V	2.2A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	< 100V	Yes	Yes	Yes
200W	21.5-23K	110 lm/watt	3000K, 6500K	>75	100V - 300V	78V	2.3A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	< 100V	Yes	Yes	Yes

LED LIGHTING

TECHNICAL PARAMETER SHEET

STREET LIGHT

A light usually mounted on a pole and constituting one of a series spaced at interval along a public street or highway. The high color rendering of Axiom LED street lights is close to natural light and presents colors more realistically. This helps drivers and pedestrians better identify objects at night, improving traffic safety and road conditions.



ELECTRICAL PARAMETER	30W	50W	100W
Driver Type	Isolated Driver (HPF)	Isolated Driver (HPF)	Isolated Driver (HPF)
Input Power (W)	30 ± 5%	50 ± 5%	100 ± 5%
Input Voltage (Vac)	100V-305V	100V-305V	100V-305V
Input Current (mA)	136 ± 5%	227 ± 5%	455 ± 5%
Power Factor	>0.95 ± 5%	>0.95 ± 5%	>0.95 ± 5%
Output Current (mA) dc	900mA	1500mA	3000mA
Driver Efficiency (%)	90%	90%	90%
Output Voltage (DC)	30V-42V	30V-42V	30V-42V
Operating Frequency (Hz)	50Hz	50Hz	50Hz
Surge Protection	4KV Surge	4KV Surge	4KV Surge
OPTICAL			
LED Type	SMD LED (2835) 1W / 6V	SMD LED (2835) 1W / 6V	SMD LED (2835) 1W / 6V
LED Make	BMTC / Everstar	BMTC / Everstar	BMTC / Everstar
LED Lumen (lm/W)	>100	>100	>100
No of LED	30 (5S6P)	50 (5S10P)	100 (5S10PX2)
LED Driving Current (mA) ±10%	150	150	150
System Luminous Flux (Lumen) ±10%	3300	5500	11000
Luminaire Efficacy (Lm/W) ±10%	110	110	110
Color Temperature (K) ±510K	6500K / 4000K / 3000K	6500K / 4000K / 3000K	6500K / 4000K / 3000K
CRI	>80	>80	>80
Life Span (Hrs.)	>50000 Hrs	>50000 Hrs	>50000 Hrs
Luminaire Angle (Degree)	>120	>120	>120
ENVIRONMENTAL			
Working Temp Range (°C)	10°C to +45°C	10°C to +45°C	10°C to +45°C
Working Humidity Range	0-90%	0-90%	0-90%
Storage Temperature	10°C to +50°C	10°C to +50°C	10°C to +50°C
Storage Humidity	5 - 95%	5 - 95%	5 - 95%
Certification	BIS	BIS	BIS
MECHANICAL			
IP Grade	IP66	IP66	IP66
Base	Aluminium	Aluminium	Aluminium
Lens	PC	PC	PC
Lens Thickness	2.5mm/2.8mm	2.5mm/2.8mm	2.5mm/2.8mm
Horizontal/Vertical Rotation Angle	120°	120°	120°

STREET LIGHT (HEAVY DUTY)

A light usually mounted on a pole and constituting one of a series spaced at interval along a public street or highway. The high color rendering of Axiom LED street lights is close to natural light and presents colors more realistically. This helps drivers and pedestrians better identify objects at night, improving traffic safety and road conditions. The casing of this light is in heavy duty aluminium extrusion



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection		Output Short circuit protection	Output Open circuit protection	AC Isolation
													High cut off	Low cut off			
24W	2.3K-2.5K	100 lm/watt	3000K, 6500K	>75	100V - 300V	36V	600mA(max)	<10%	>0.9	≥85%	54V (max)	4KV	> 280V	<100V	Yes	Yes	Yes
30W	2.8K-3.2K	100 lm/watt	3000K, 6500K	>75	100V - 300V	36V	700mA(max)	<10%	>0.9	≥85%	54V (max)	4KV	> 280V	<100V	Yes	Yes	Yes
	2.8K-3.2K	100 lm/watt	3000K, 6500K	>75	100V - 300V	42V	600mA(max)	<10%	>0.9	≥85%	80V (max)	4KV	> 280V	-	Yes	Yes	Yes
45W	4.2K-4.7K	100 lm/watt	3000K, 6500K	>75	100V - 300V	48V	800mA(max)	<10%	>0.9	≥85%	80V (max)	4KV	> 280V	-	Yes	Yes	Yes
60W	5.6K-6.3K	100 lm/watt	3000K, 6500K	>75	100V - 300V	66V	800mA(max)	<10%	>0.9	≥85%	110V (max)	4KV	> 280V	-	Yes	Yes	Yes
80W	7.5K-8.5K	100 lm/watt	3000K, 6500K	>75	100V - 300V	60V	1.1A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	<100V	Yes	Yes	Yes
100W	9.5K-10.5K	100 lm/watt	3000K, 6500K	>75	100V - 300V	78V	1.1A(max)	<10%	>0.9	≥90%	110V (max)	5KV	> 280V	<100V	Yes	Yes	Yes
120W	11.5K-12.5K	100 lm/watt	3000K, 6500K	>75	100V - 300V	60V	1.7A(max)	<10%	>0.9	≥85%	110V (max)	4KV	> 280V	-	Yes	Yes	Yes

HIGH BAY LIGHT

High bay lights are used to light up spaces whose ceilings are higher than 20ft from the floor and around 40ft. Also, for these lights to operate efficiently from this height, they need specially engineered reflectors in the case of HPS / MH bulbs and lens angles in the case of LED high bays.



MODEL	LUMINAIRE				DRIVER						LUMINAIRE						
	Lumens	Efficiency (Lumens per watt)	CCT	CRI	Operating Voltage Range	Output Voltage	Output Current	T.H.D.	P.F.	Driver Efficiency	No Load voltage	Internal Surge	Over voltage / Under voltage protection		Output Short circuit protection	Output Open circuit protection	AC Isolation
													High cut off	Low cut off			
100W	10.5K-11.5K	110 lm/watt	3000K, 6500K	>75	150V - 270V	60V	1.5A(max)	<10%	>0.9	≥90%	110V (max)	5KV	>280V	<100V	Yes	Yes	Yes
150W	16K-17K	110 lm/watt	3000K, 6500K	>75	100V - 300V	60V	2.2A(max)	<10%	>0.9	≥90%	110V (max)	5KV	>280V	<100V	Yes	Yes	Yes
200W	21.5K-23K	110 lm/watt	3000K, 6500K	>75	100V - 300V	60V	3A(max)	<10%	>0.9	≥90%	110V (max)	5KV	>280V	<100V	Yes	Yes	Yes

LED STADIUM LIGHT (MODULE)

Stadium lights are very powerful sports lights mounted at tall heights with small beam angles, usually ranging from 12-60 degrees. With these smaller beam angles, there is higher light intensity within that angle that allows bright light to reach the ground from elevated heights.



ELECTRICAL PARAMETER	50 Watt
Driver Type	Isolated Driver (HPF)
Input Power(W)	50 ± 5%
Input Voltage (Vac)	100V-305V
Input Current (mA)	227 ± 5%
Power Factor	>0.95 ± 5%
Output Current(mA) dc	1500mA
Driver Efficiency(%)	90%
Output Voltage (DC)	30V-42V
Operating Frequency(Hz)	50Hz
Surge Protection	4KV Surge
OPTICAL	
LED Type	SMD LED (2835) 1W / 6V
LED Make	BMTC / Everstar
LED Lumen(lm/W)	>100
No of LED	60 (5S12P)
LED Driving Current(mA)±10%	150
System Luminous Flux(Lumen)±10%	5500
Luminaire Efficacy (Lm/W)±10%	110
Color Temperature(K) ±510K	6500K / 4000K / 3000K
CRI	>80
Life Span(Hrs.)	>50000 Hrs
Luminaire Angle (Degree)	>120
ENVIRONMENTAL	
Working Temp. Range(°C)	10°C to +45°C
Working Humidity Range	0-90%
Storage Temperature	10°C to +50°C
Storage Humidity	5 - 95%
MECHANICAL	
IP Grade	IP66
Base	Aluminium
Diffuser/Glass	PC
Glass Thickness	5-6 mm
Horizontal/ Vertical Rotation Angle	90°



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