

Benefits

- High energy savings due to efficient light sources, ensuring a short payback time
- Lifetime over 50,000 hours
- Maintenance free; ideal for high mounting heights > 6m
- Stable light output at Ta: -40C to +40C
- Instant start, hot restrike; no downtime in production
- Available with 4 light distributions & 7 Wattage settings
- Dimmable: available with dimmable power supply (1-10V, PWM dimming or adjustable resistor)

Applications:

- Warehouses
- Cold storage areas
- Stock rooms
- Aisle lighting
- Production facilities
- High Mast Application

Changing the way the world experiences light

Industrial LED series: Aster HighBay

The Aster series is a high performance light fixture specifically designed for demanding industrial areas. Combining light flux up to 22,500 Lumen in 4 different distribution patterns, this series covers the majority of the lighting needs in facility lighting. The results achieved in installation are energy savings over 50% over common TL and HID applications*, delivering more light with a better distribution, offering better visibility and acuity on the workfloor, thus increased safety on the shopfloor.

The Aster series is available in a dimmable version, offering the possibility to use advanced control systems such as wireless networks, daylight harvesting or motion detection.

Features

Input Power	40/60/90/120/150/200/240
Rated Life	60,000 Hours @ 70% Lumen Maintenance

Voltage	120-277V - 50-60Hz
Power Factor	>0.9
CRI	65
CCT	5,000 K
Housing	Die Cast and Extruded Aluminum
Finish	Grey
Optics	Horizontal Spot/Spot/Medium Flood / Wide Flood
Operating Temperature	-40°C to 50+°C
Mounting Options	Surface
IK Class of Fixture	IK10

Certification



Certification Power Supply



Environment

IP 65

Lighting Science India Pvt. Ltd.

(LSG Energy Pvt. Ltd.)
A-28, Sector-83, Phase-II
Noida-201304 (U.P)

Manufacturing Unit & Distributor Address

Ventura Electricals Hindustan Ltd.
142-A/1, NSEZ, Phase-II
Noida, 201305 (U.P)

Ordering Information

Example: AST 240 SP DIM GR

Family	Wattage	Optics	Dimmable	Colour
AST Aster	40 4-W (1 panel)	HSP Horizontal Spot	(leave blank for standard)	GR Grey
	60 .-W (1 panel)	SP Spot	DIM DimmableB	
	90 9-W (2 panel)	MFL Medium Flood		
	120 12-W (2 panel)	WFL Wide Flood		
	150 15-W (2 panel)			
	200 2--W (3 panel)			
	240 24-W (4 panel)			

Specifications

	4-W	.-W	9-W	12-W	15-W	2--W	24-W
Lumen output	375- Lm	5.5- Lm	855- Lm	113-- Lm	14---Lm	19---Lm	225--Lm
Input Power	4-W	.-W	9-W	12-W	15-W	2--W	24-W
Efficacy	95 (lm/w)	94 (lm/w)	95 (lm/w)	94 (lm/w)	93 (lm/w)	95 (lm/w)	94 (lm/w)
Color Temperature	5.---K	5.---K	5.---K	5.---K	5.---K	5.---K	5.---K

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VENTURA AFFORDABLE RANGE BAYLIGHTS

TECHNICAL REPORT OF HIBAY LIGHTS

ELECTRICAL PARAMETER					
1	Rated Wattage	50W	80W	100W	150W
2	Operating Voltage	120-300V	120-300V	120-300V	120-300V
3	Nominal Input Voltage(Vin)	220-230V	220-230V	220-230V	220-230V
4	Input Frequency(f)	50Hz	50Hz	50Hz	50Hz
5	Input/System Power(W)	50+/-5%	80+/-5%	100+/-5%	150±5%
6	Output Power(W)	45±5%	70±5%	90±5%	135±5%
7	Power Factor	>.97	>.97	>.97	>.97
8	Total Harmonic Distortion	<10%	<10%	<10%	<10%
9	System Efficiency	>85%	>85%	>85%	>85%
10	System Current	1.25A±5%	1.95A±5%	1.25A±5%	1.25A±5%
11	Control Circuit	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT
12	No. of Drivers used	1	1	1	3
PROTECTIONS					
1	Output Open Circuit Protection	YES	YES	YES	YES
2	Output Short Circuit Protection	YES	YES	YES	YES
3	Over voltage Protection(V)	300V±10V	320±10V	300V±10V	300V±10V
4	Low voltage Protection	150V±10V	N/A	150V±10V	150V±10V
5	Insulation resistance	>2MΩ	>2MΩ	>2MΩ	>2MΩ
OPTICAL					
1	COB Make	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS
2	No. Of COBs	1	1	2	3
3	COB Beam Angle	120	120	120	120
4	COB EFFICACY	120lm/w	120lm/w	120lm/w	120lm/w
5	Color Temperature (CCT)	6500K±10%	6500K±10%	6500K±10%	6500K±10%
6	Color Rendering Index	>75	>75	>75	>75
7	COB Life(HRS.)	50000	50000	50000	50000
MECHANICAL PARAMETER					
1	Material For Housing	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC
2	GLASS TYPE	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED
3	Wires & Cables	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE
FUNCTIONAL PARAMETER					
1	Ingress Protection	IP65	IP65	IP65	IP65
2	Working temp range(°C)	-10 to +50	-10 to +50	-10 to +50	-10 to +50
3	Working Humidity	10-95%	10-95%	10-95%	10-95%
4	H.V. Test	1KV	1KV	1KV	1KV
5	Endurance Test	YES	YES	YES	YES
6	Surge Protection	4KV	4KV	4KV	4KV
7	LED test report	LM80	LM80	LM80	LM80
8	Test Reports	NO	NO	NO	NO
9	Images				
UNIT PRICE					
Prepared by: Rohit Kaushik		Approved By: MJ			

Ventura Affordable Range Flood lights

TECHNICAL REPORT OF FLOOD LIGHTS

ELECTRICAL PARAMETER											
		10	20	30	40	50	60	80	100	120	150
1	Rated Wattage	10	20	30	40	50	60	80	100	120	150
2	Operating Voltage	120-300V	120-300V	120-300V	120-300V	120-300V	120-300V	120-300V	120-300V	120-300V	120-300V
3	Nominal Input Voltage(Vin)	220-230V	220-230V	220-230V	220-230V	220-230V	220-230V	220-230V	220-230V	220-230V	220-230V
4	Input Frequency(f)	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
5	Input/System Power(W)	10±5%	20±5%	30±5%	40±5%	50±5%	60±5%	80±5%	100±5%	120±5%	150±5%
6	Output Power(W)	8.8±5%	18±5%	26±5%	35±5%	45±5%	51±5%	70±5%	90±5%	105±5%	135±5%
7	Power Factor	>.95	>.95	>.95	>.97	>.97	>.97	>.97	>.97	>.97	>.97
8	Total Harmonic Distortion	<15%	<15%	<15%	<10%	<10%	<10%	<10%	<10%	<10%	<10%
9	System Efficiency	>85	>85%	>87%	>85%	>85%	>85%	>85%	>85%	>85%	>85%
10	System Current	.24A±5%	.48A±5%	.72A±5%	.95A±5%	1.25A±5%	1.45A±5%	.95A±5%	1.25A±5%	1.45A±5%	1.25A±5%
11	Control Circuit	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT	CONSTANT CURRENT
12	No. of Drivers used	1	1	1	1	1	1	2	2	2	3

PROTECTIONS											
1	Output Open Circuit Protection	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2	Output Short Circuit Protection	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
3	Over voltage Protection(V)	N/A	N/A	280V±10V	300V±10V	300V±10V	300V±10V	300V±10V	300V±10V	300V±10V	300V±10V
4	Low voltage Protection	N/A	N/A	140V±10V	140V±10V	150V±10V	150V±10V	140V±10V	140V±10V	150V±10V	150V±10V
5	Insulation resistance	>2MΩ	>2MΩ	>2MΩ	>2MΩ	>2MΩ	>2MΩ	>2MΩ	>2MΩ	>2MΩ	>2MΩ

MECHANICAL PARAMETER											
1	Material For Housing	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC	ALUMINIUM PDC
2	GLASS TYPE	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED	TOUGHENED
3	Sizes (Length X Width X Height)mm	85*115*85	100*140*100	125*185*125	125*185*125	225*185*125	288*237*145	288*237*145	425*323*150	425*323*150	425*323*150
7	Wires & Cables	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE	1 SQ.mm 3 CORE

OPTICAL											
1	Led Make	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS	LUMILED/LUSTROUS
3	No. Of COBs	1	1	1	1	1	1	2	2	2	3
4	LED Beam Angle	120	120	120	120	120	120	120	120	120	120
1	COB EFFICACY	120lm/w	120lm/w	120lm/w	120lm/w	120lm/w	120lm/w	120lm/w	120lm/w	120lm/w	120lm/w
2	Color Temperature (CCT)	6500K±10%	6500K±10%	6500K±10%	6500K±10%	6500K±10%	6500K±10%	6500K±10%	6500K±10%	6500K±10%	6500K±10%
3	Color Rendering Index	>75	>75	>75	>75	>75	>75	>75	>75	>75	>75
6	LED Life(HRS.)	50000	50000	50000	50000	50000	50000	50000	50000	50000	50000

FUNCTIONAL PARAMETER											
1	Ingress Protection	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
2	Working temp range(°C)	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50
3	Working Humidity	10-95%	10-95%	10-95%	10-95%	10-95%	10-95%	10-95%	10-95%	10-95%	10-95%
4	H.V. Test	1KV	1KV	1KV	1KV	1KV	1KV	1KV	1KV	1KV	1KV
5	Endurance Test	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
6	Surge Protection	2.5KV	2.5KV	4KV	4KV	4KV	4KV	4KV	4KV	4KV	4KV
7	LED test report	LM80	LM80	LM80	LM80	LM80	LM80	LM80	LM80	LM80	LM80
8	Test Reports	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO



UNIT PRICE

Approved By: