

Industrial Shed Lighting (HPSV / MV Against LED)

Industrial Shed Dimensions 50 X 40 Mtrs	HPSV / MH	LED Fittings
No. of Fixtures	30	30
Wattage	250	100
Actual Power Consumptions	287.5	100
Power Factor	0.75	0.98
Light Source Efficacy	50-65 Lumens/Watt	120-130 Lumens/Watt
Active Life	8000 Hrs. (18 Months)	50,000 Hrs. (> 10 Yrs.)
Electricity Cost/ Month (12Hrs/d at 6 Rs/kwh 30 Lamps with 25 working days)	₹15,525.00	₹5,400.00
Saving percentage		65.22%

House/Office Lighting (CFL Against LED)

Area Dimensions 800 Sq. Ft.	CFL Downlight	LED Downlight
No. of Fixtures (Pcs.)	24	24
Wattage	18	9
Actual Power Consumptions (With Electronic Choke)	19.44	9
Power Factor	0.65	0.98
Efficacy	65 -70 Lumens/Watt	120-130 Lumens/Watt
Active Life	8000 Hrs. (18 Months)	50,000 Hrs. (> 10 Yrs.)
Electricity Cost/ Month (12Hrs/d at 6 Rs/kwh 24 Lamps with 25 working days)	₹839.81	₹388.80
Saving percentage		53.70%

TECHNICAL PARAMETERS

Input Voltage – 110v – 275V/310V
Efficiency > 85%
Power factor > 0.95
Rated Life – 50,000 hrs.
THD < 15%



DURABILITY FEATURES

Over Load Protection
Over Voltage Protection
Short Circuit Protection
Thermal Protection
Auto Recovery Feature
Surge Protection



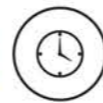
MAINTENANCE
FREE



INSTANT
START



ECO-FRIENDLY



LONG
LIFESPAN

3D lighting design solutions

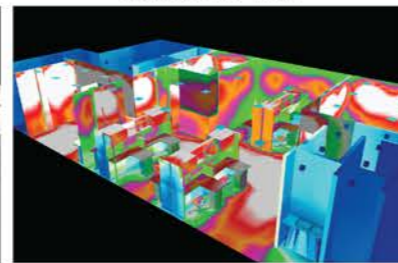
Indoor Lighting Design Solutions:

Navitas also offers 3D lighting design solutions with virtual lighting views before actual installations. This leads to uniform illumination level, reduces extra light fixtures and optimises light design as per application.

Software Simulated View



False Colour View



Lux Level Table	
Colour Code	Lux Level
Red	200
Orange	180
Yellow	160
Light Green	140
Green	120
Dark Green	100
Blue	80
Dark Blue	60
Purple	40
Light Blue	20
White	10
Dark Blue	5
Black	0

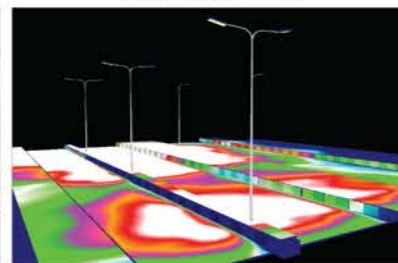
Outdoor Lighting Design Solutions:

Roadways Lighting design is an important parameter while planning roadways as per standards that enhance road safety as well as lead to directional light impact, minimum glare and energy efficient lighting systems.

Software Simulated View



False Colour View



Lux Level Table	
Colour Code	Lux Level
Red	25
Orange	23
Yellow	21
Light Green	19
Green	17
Dark Green	15
Blue	13
Dark Blue	11
Purple	9
Light Blue	7
White	5
Dark Blue	3
Black	0



Optimal Lighting Solutions



INSTITUTIONAL/COMMERCIAL/STUDIO LIGHTS

LED downlights are ideal for ceiling mounting as they give directional light. They are not only aesthetically superior but also give comfortable light with option of different color temperatures.

TROFFER LIGHTS

Wattage – 22W to 50W
Light Color - Warm white, cool white
Lumen output > 80 lm/W
Maharashtra State
P.W.D. Approved

DIWA



RECESSED DOWN LIGHTS

Wattage – 6W to 24W
Light Color - Warm white, Cool white
Lumen output > 80 lm/W
Pressure Die cast aluminium housing
Maharashtra State
P.W.D. Approved

DIWA



Studio lights are easy to use, light weight, cool and technologically superior, specially designed for studio applications.

STUDIO LIGHTS

Wattage - 100W & 150W
Color temperature – 3200-6500K
(Near Sunlight)
Lumen output = 8000 lm/12000 lm
Power factor > 0.95
CRI > 80
Easy to handle
With dimming option
Can be used with inverter/battery

PRABHA



navitas
LIGHTING

The understanding of human behaviour and influential factors is advancing by leaps and bounds every day, thanks to the advancement in communication technology. Today as carbon footprints have become relevant, the accountability of every technology towards the environment has increased. The challenge that was illumination a few decades ago has now become lumen/watt. The challenge that until a couple of decades ago would have been cost effective profitable production of high intensity lights, has now become responsible management of resources and building sustainable lighting solutions.

For Navitas, having demonstrated ample expertise in embedded systems, developing ingenious LED lights was merely as Steve Jobs would have put it, "connecting the dots looking back!" The focus is on bringing the ruggedness and robustness from LED signage solutions and forging it with the reliability and frugality of microcontroller based embedded systems. The resulting solution is Navitas Lighting.

We manufacture a wide array of LED lighting products for industries, institutions, studio, commercial & retail outlets. Our products are now widely used in India and have proven their reliability and efficacy over years.



INDUSTRIAL LIGHTS

Navitas Industrial Lighting provides stable and long lasting solutions based on efficient design and world-class build quality. Effective engineering design of the luminaires helps withstand harshest of industrial conditions and ensures protection against adverse electrical situation like voltage fluctuations, power surges and in-rush currents. Efficient heat dissipation systems are built-in to increase longevity.

INDUSTRIAL LIGHTS

Wattage - 50W, 100W, 150W
Power factor > 0.95
Lumen output > 120 lm/W
Specially designed single unit aluminium housing for better thermal management & increased life of LEDs
Input voltage - 110V - 310V

BHASKAR



STREET LIGHTS

Navitas LED Street lights save upto 70% in energy, replacement & maintenance costs annually.
Wattage - 12W to 150W
Lumen output > 110 lm/W
Pressure Die cast aluminium housing.
Power factor > 0.95
IP65
Maharashtra state P.W.D. Approved

SOM



INDUSTRIAL LIGHTS

Navitas Lighting luminaires are efficiently designed and robustly built to ensure minimal maintenance. These luminaires are highly cost effective and have the least down time compared to other light sources.

FLOOD LIGHTS

Wattage - 100, 150, 200 W
3200-6500 K Color Temp.
Lumen output > 120 lm/W
Pressure Die cast aluminium housing.
Power factor > 0.95
IP65

ADITYA


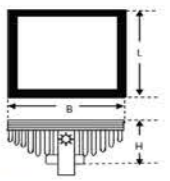

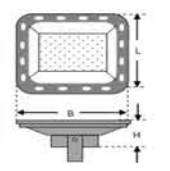

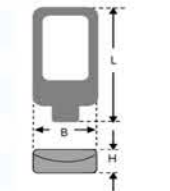

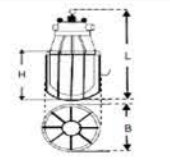

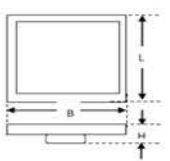

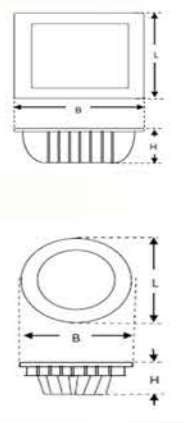

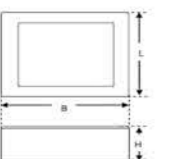


FLAME PROOF WELL GLASS LIGHTS

Wattage - 24, 30, 50 W
3200-6500 K Color Temp.
Lumen output > 110 lm/W
Power factor > 0.95
Flameproof / Explosionproof

ARKA



Product Image	Model	Wattage	Product Code	IP Class	Power Factor	LED Beam Angle	CRI	CCT	Operating Voltage	Weight	Mounting	Applications	Product Dimensions (mm)			
Industrial Lighting 	BHASKAR	Watt			P.F.					(kg)			Length (L)	Width (B)	Height (H) (with Driver box)	
	200 Premium	200	B200CWSQP	43	> 0.95	80°	80%	6500K	120 - 310 V	6	C-Clamp	• Industrial shed	365	250	120	
	150	150	B150CWSQ	43	> 0.95	120°	80%	6500K	120 - 310 V	6	C-Clamp	• Warehouse / Parking area	365	250	120	
	100	100	B100CWSQ	43	> 0.95	120°	80%	6500K	120 - 310 V	4.3	C-Clamp	• Assembly lines/ Critical operations	265	250	120	
	70	70	B70CWSQ	43	> 0.95	120°	80%	6500K	120 - 310 V	3.2	C-Clamp	• Storage yards	250	180	120	
	50	50	B50CWSQ	43	> 0.95	120°	80%	6500K	120 - 310 V	3	C-Clamp	• Canopy light	250	180	120	
Flood Lighting 	ADITYA															
	250 Premium	250	A250CWSQP	65	> 0.95	80°	80%	6500K	120 - 310 V	7	C-Clamp	• High-mast light	420	330	150	
	200	200	A200CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	6.5	C-Clamp	• Yard/Area light	420	330	150	
	150	150	A150CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	6	C-Clamp	• Sport ground	420	330	150	
	100	100	A100CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	5	C-Clamp	• Utility area light	360	270	160	
Roadway/Utility Lights 	SOM															
	150 Premium	150	A150CWSQP	65	> 0.95	120°X60°	80%	6500K	120 - 310 V	4.85	Pole Mounted	• Roadways light	512	260	80	
	120 Premium	120	A120CWSQ	65	> 0.95	120°X60°	80%	6500K	120 - 310 V	4.7	Pole Mounted	• Utility area	512	260	80	
	100 Premium	100	A100CWSQ	65	> 0.95	120°X60°	80%	6500K	120 - 310 V	4.6	Pole Mounted	• Parking area	512	260	80	
	120	120	S120CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	4.7	Pole Mounted	• Roadways light	515	260	80	
	100	100	S100CWSQP	65	> 0.95	120°	80%	6500K	120 - 310 V	4.6	Pole Mounted	• Industrial utility area	515	260	80	
	70	70	S70CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	3.2	Pole Mounted	• Parking area	430	205	80	
	60	60	S60CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	3	Pole Mounted	• Garden light	430	205	80	
	50	50	S50CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	3	Pole Mounted	• Commercial spaces	430	205	80	
	24	24	S24CWSQ	65	> 0.95	120°	80%	6500K	120 - 310 V	1.3	Pole Mounted		395	150	65	
Hazardous Area Lighting 	ARKA															
	80	80	AR80CWSQ	65	> 0.95	120°	80%	6500K/ 3200K	120 - 310 V	5.2	Plate Mounted	• Hazardous Industrial area	320	180	285	
	50	50	AR50CWSQ	65	> 0.95	120°	80%	6500K/ 3200K	120 - 310 V	4.9	Plate Mounted	• Industrial corridors / Walkways	320	180	285	
	30	30	AR30CWSQ	65	> 0.95	120°	80%	6500K/ 3200K	120 - 310 V	4.7	Plate Mounted	• Gas stations/ Petrol pump	320	180	285	
Troffer Light 	DIWA															
	50 2X2	50	D50CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 310 V	3.8	Recessed	• Office work spaces	600	600	65	
	45 2X2	45	D45CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 310 V	3.8	Recessed	• Workshop area	600	600	65	
	36 2X2	36	D36CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 310 V	3.8	Recessed	• Commercial spaces	600	600	65	
	22 1X1	22	D22CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	2.5	Recessed	• Institutional spaces	300	300	65	
Commercial Lighting 	DIWA									(gms)						
	22 Square	22	D22CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	530	Recessed	• Household spaces	160	160	50	
	18 Square	18	D18CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	530	Recessed	• Office spaces	160	160	50	
	15 Square	15	D15CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	290	Recessed	• Corridor/Lounge area	155	155	40	
	12 Square	12	D12CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	290	Recessed	• Workshop area	155	155	40	
	9 Square	9	D9CWSQ	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	175	Recessed	• Institutional spaces	110	110	40	
	6 Square	6	D6CWSQ	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	175	Recessed		110	110	40	
	22 Round	22	D22CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	475	Recessed		200 Dia		45	
	18 Round	18	D18CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	475	Recessed		200 Dia		45	
	15 Round	15	D15CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	335	Recessed		170 Dia		45	
	12 Round	12	D12CWSQ	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	335	Recessed		170 Dia		45	
	9 Round	9	D9CWSQ	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	290	Recessed		130 Dia		60	
	6 Round	6	D6CWSQ	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	290	Recessed		130 Dia		60	
Surface Downlight 	DIWA															
	18 surface	18	D18CWSQS	43	> 0.95	120°	80%	6500K/ 3200K	120 - 275 V	580	Surface	• Office work spaces	160	160	60	
	15 surface	15	D15CWSQS	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	320	Surface	• Workshop area	155	155	50	
	12 surface	12	D12CWSQS	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	320	Surface	• Commercial spaces	155	155	50	
	9 surface	9	D9CWSQS	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	205	Surface	• Institutional spaces	110	110	50	
	6 surface	6	D6CWSQS	43	N.A.	120°	80%	6500K/ 3200K	120 - 275 V	205	Surface	• Corridor/Stair-case light	110	110	50	

All product, product specifications and data are subject to change without notice to improve reliability, function or design or otherwise.