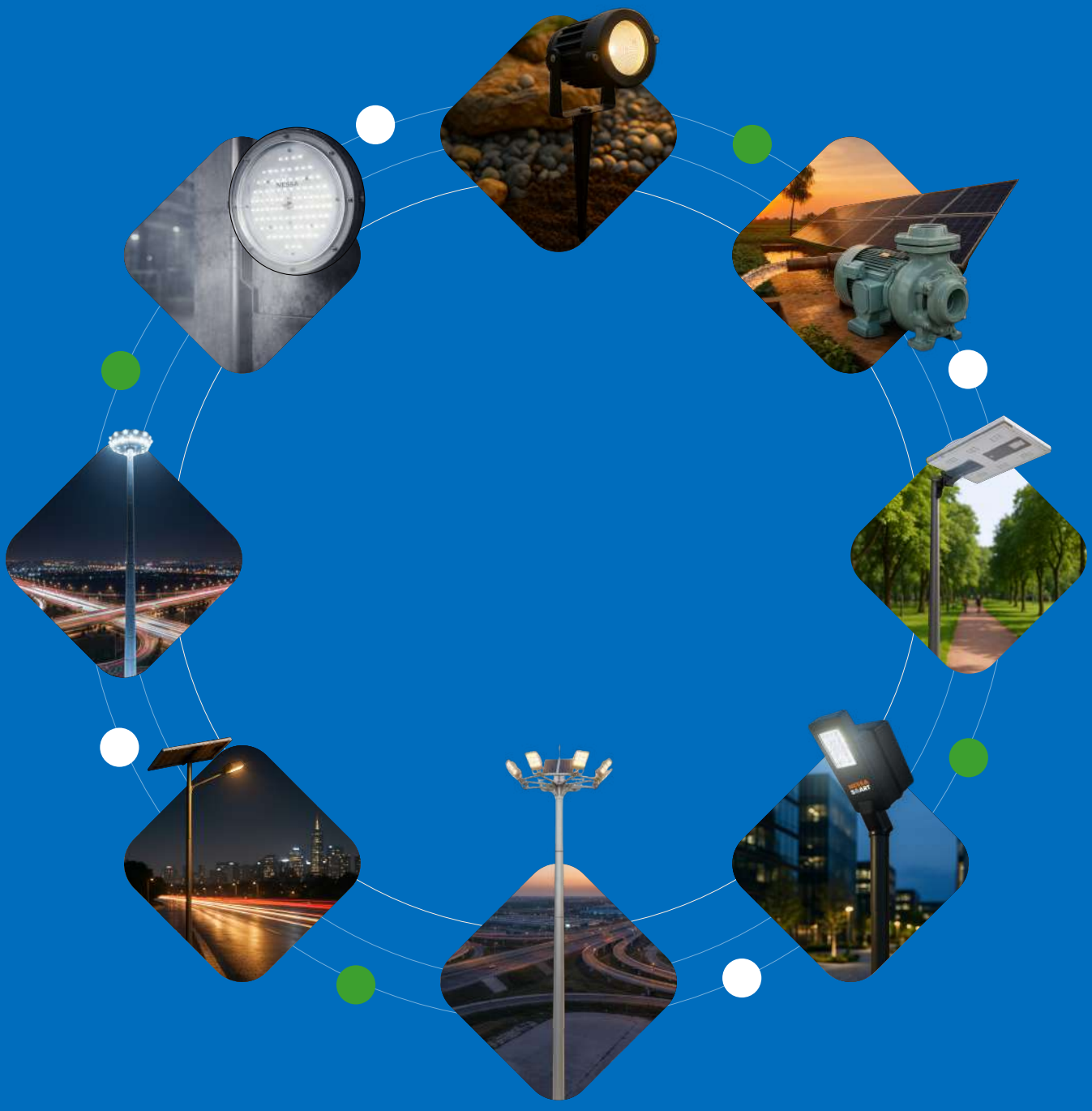
NESSA®
lighting up miracles...

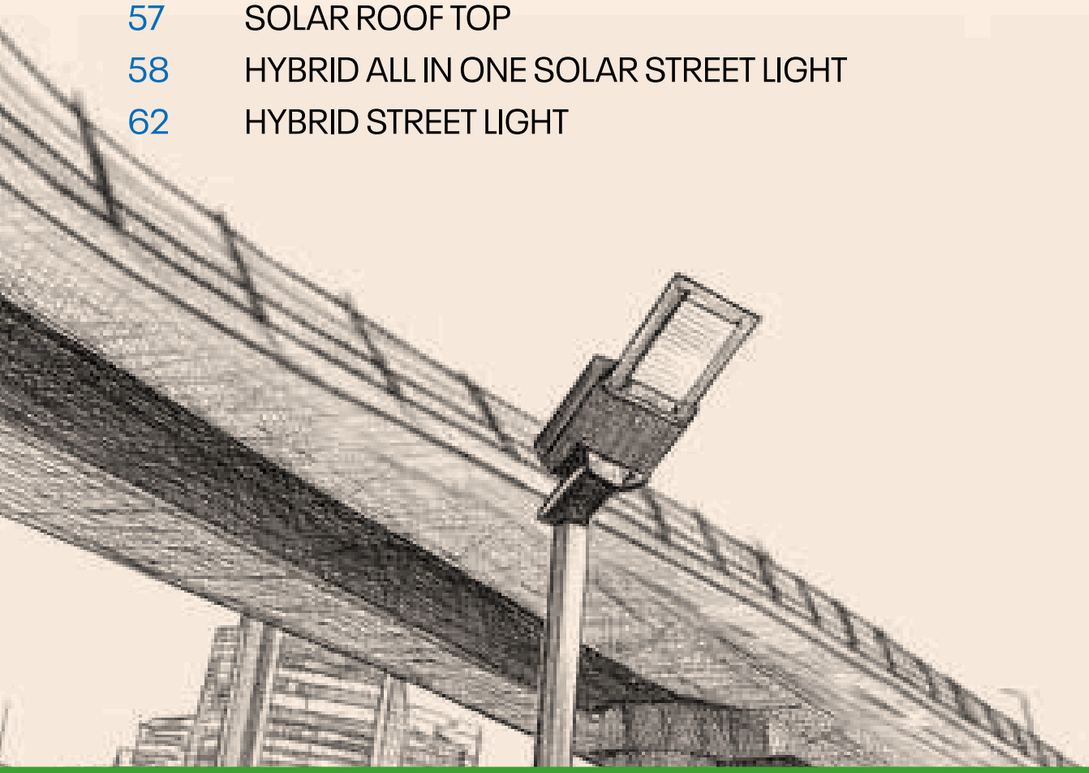
2026
27

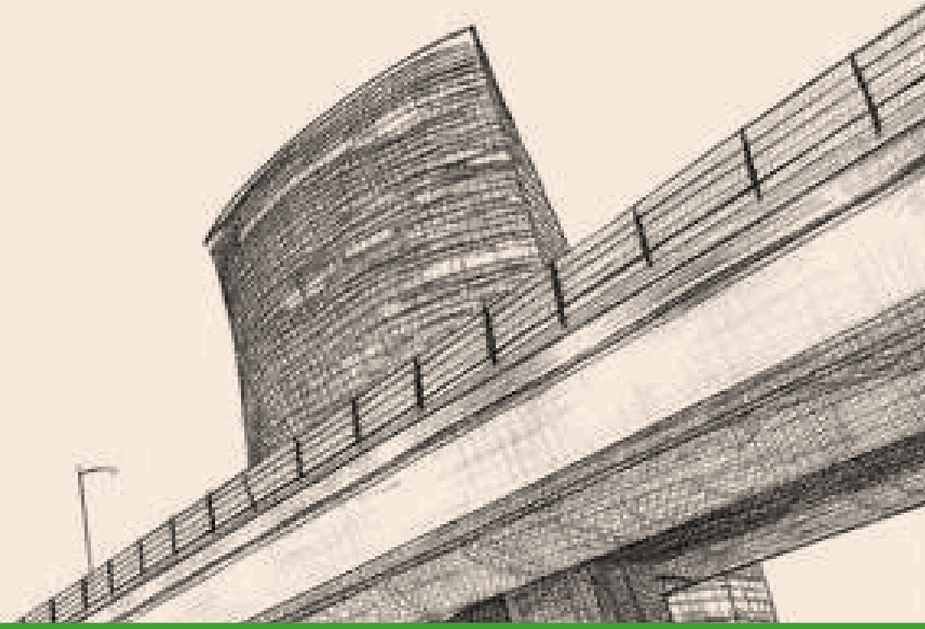


Product Catalogue

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ABOUT NESSA

Nessa Illumination Technologies has been leading in the LED Lighting industry with over 17 years of experience. Since our start in 2008, we've focused on improving access to efficient and affordable lighting.Today, we provide customised solutions for a wide range of fixtures, innovated by our in-house R&D centre (NESSA Technology & Innovation Centre, located in Ahmedabad), which is supported by the design and manufacturing at our advanced production facilities.

Over the years, we have developed an array of lighting solutions with applications including outdoor, indoor, street, industrial, landscape, and architectural lighting fixtures. Through the help of our intelligent system integrators, we are able to propose illumination designs, execute intelligent lighting installations, and provide remote monitoring and dimming functionalities. Our latest range of luminaires equips the world to co-exist with principles of "save energy," "save the environment," and "enhanced value for money."

Our products have gained approval from numerous PSUs and corporate houses across India. These recognitions reflect our commitment to quality and practical performance. We remain focused on making reliable lighting that works well for people in different places and situations.

VISION

To become one of the best and most preferred lighting solution providers in the domestic as well as international markets.

MISSION

Empowering Lives Through Illumination For A Greener Tomorrow



AWARDS

- Economic Times Young Achiever Award 2018 by SIDBI in association with Economic Times
- Best Technology and Sustainable Development Award by IIT Bombay
- Mother Teresa Excellence Award by Integrated Council for Socio-Economic Progress
- Top 7 companies in clean-tech selected by Power of Ideas in association with Economic Times
- Nominated for Award for Outstanding Contribution to National Economic and Social Development by All India Business Development Association
- Pride of India Award 2015 for Distinctive Achievement in Green Energy Field by Citizens Integration Peace Society
- Bharat Jyoti Award 2015 for Distinctive Achievement in Industrial Growth
- Awarded by Adani for Promising Vendor of the Year
- Best CSR Implementation Partner of The Year 2025 Award by Indian CSR Awards



CERTIFICATION















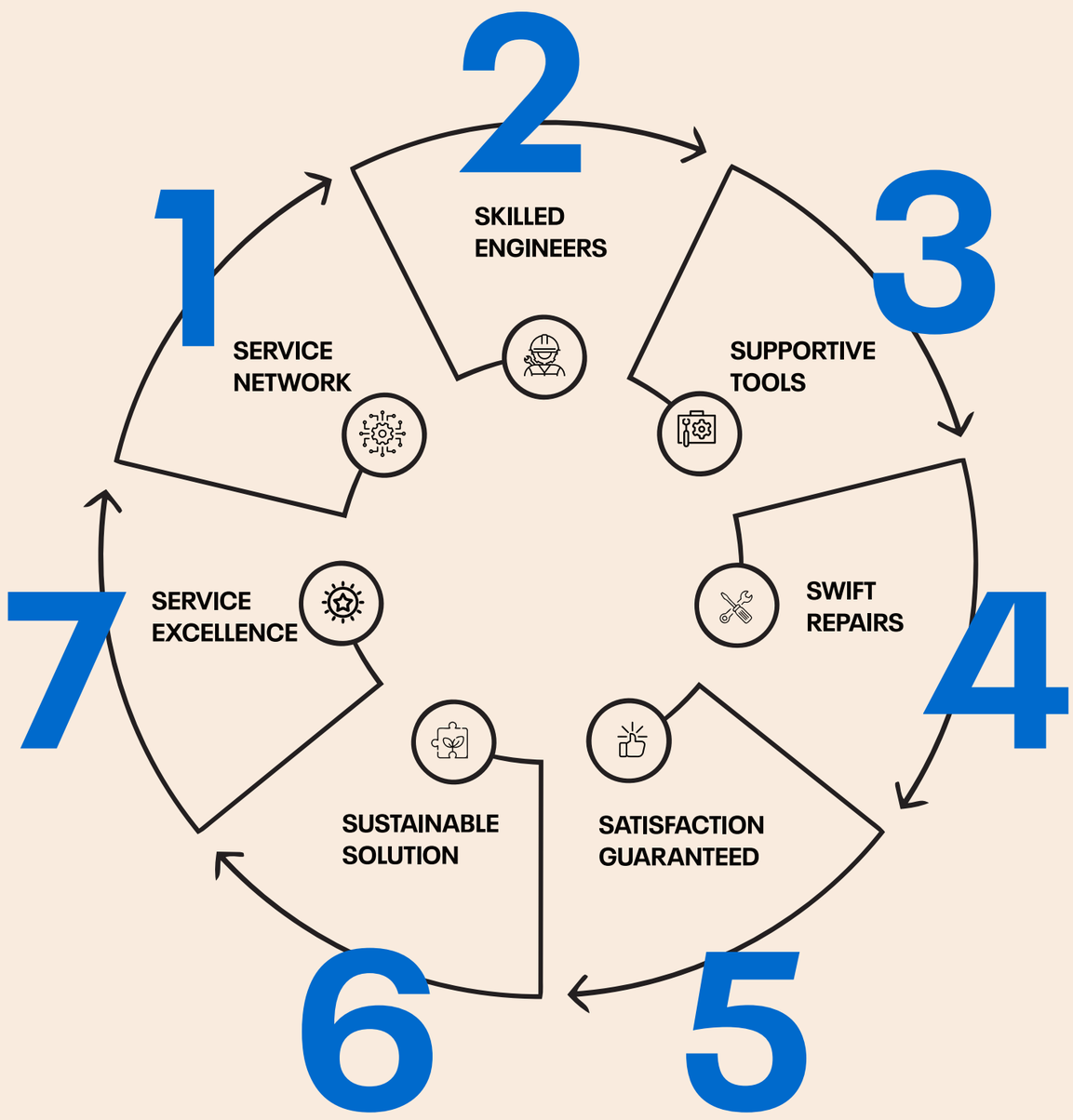


APPLICATION AREAS & CORE STRENGTHS

- Airports
- Arena and Stadiums
- Fashion, Food & Large Retailers
- Healthcare
- Hospitality
- Industries
- Corporates
- Parking
- Parks and Gardens
- Highways and Toll Plazas
- Petrol Pumps and Convenience Stores
- Recreational and Sports Areas
- Tunnels
- Ports and Logistics Parks
- Rural and Hilly Areas
- Hazardous Areas



7S OF **SERVICE EXCELLENCE**





LED STREET LIGHT

Lighting Paths for Smarter Cities

120 WATTS



Input range:
110-290V

CRI: >70

THD:<10%

IP Rating:
≥ IP66

Surge: upto
6kv internal

Output Lumens
≥130 lm/W

Driver Efficiency
>90%

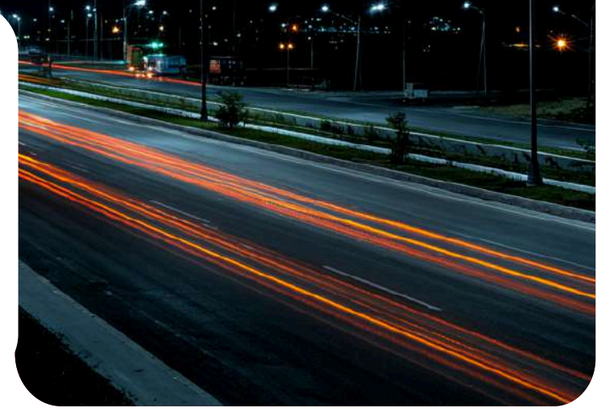
IK Rating
IK 10

FEATURES

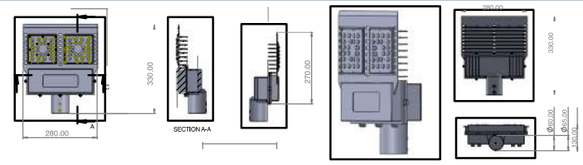
- Smart Dimming Compatibility
- Superior Thermal Management
- Long Lifespan
- Low Maintenance
- Rugged Aluminium Die-Cast Body
- Safety Standards as per IS 10322



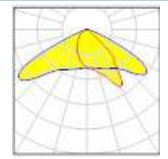




DIAGRAM



POLAR CURVE



SPECIFICATIONS

Product Code	Watt (W)	Dimming Features	Dimension(mm)	Weight(kg)	ID(mm)
NES-SL-18	18	No	215X95X65	0.60	36
NES-SL-20	20	No	215X95X65	0.60	36
NES-SL-25	25	No	215X95X65	0.60	36
NES-SL-30	30	No	215X95X65	0.60	36
NES-SL-45	45	No	242X95X70	1.0	46
NES-SL-60	60	Yes	260X160X80	1.65	55
NES-SL-75	75	Yes	260X160X80	1.65	55
NES-SL-90	90	Yes	260×185×110	1.95	62
NES-SL-100	100	Yes	260×185×110	1.95	62
NES-SL-120	120	Yes	270X280X130	3.10	62
NES-SL-150	150	Yes	270X280X130	3.10	62
NES-SL-200	200	Yes	585X300X115	5.30	75

COLOURS

Warm white ,
Cool White &
Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

LED STREET LIGHTS
18W-45W

Applications

- Residential Complex
- Small track round
- Lighting of secondary roads/ side roads
- University Campuses
- Parks & gardens
- Security lighting



18 Watt



20 Watt



25 Watt



45 Watt



30 Watt

LED STREET LIGHTS
60W-100W

Applications

- City roads
- Highways
- Periphery/ Security lighting
- Industry campuses
- Parking areas
- Parks and Gardens



60 Watt



75 Watt



90 Watt



100 Watt

LED STREET LIGHTS
120W-200W

Applications

- City roads
- Highways
- Periphery/ Security lighting
- Industry campuses
- Parking areas
- Parks and Gardens



120 Watt



150 Watt



200 Watt



FISSION LED STREET LIGHT

Smart Streets with Smarter Illumination

150 WATTS



Input Range:
140-270V

CRI:>80

THD:< 20 %

IP Rating:
≥ IP65

Output Lumens
≥100 lm/W

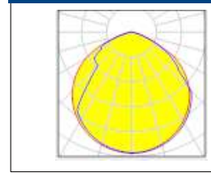
Driver Efficiency
>85%

FEATURES

- High Luminous Efficiency
- Uniform and Glare-Free Illumination
- Low Maintenance
- Environmentally Sustainable Design
- Long Lifespan
- Safety Standards as per IS 10322



POLAR CURVE



SPECIFICATIONS

Product Code	Watt (W)
ENES-SL-24	24
ENES-SL-30	30
ENES-SL-36	36
ENES-SL-50	50
ENES-SL-60	60
ENES-SL-75	75
ENES-SL-90	90
ENES-SL-120	120
ENES-SL-150	150

COLOURS



Warm white ,
Cool White &
Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

FISSION LED STREET LIGHT

24W-150W

Applications

City roads/ Highways	Periphery/ Security lighting	Industry campuses
Toll Plazas	Parking areas	Parks and gardens



24 Watt



30 Watt



36 Watt



50 Watt



60 Watt



75 Watt



90 Watt



120 Watt



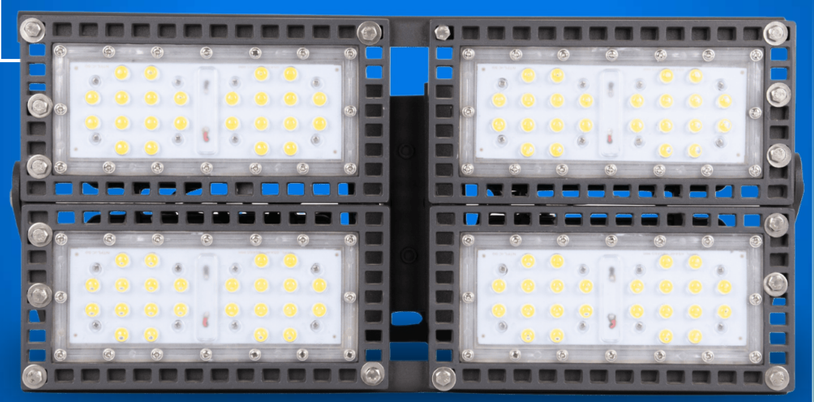
150 Watt



LED FLOOD LIGHTS

Uniform Lighting Across Every Space

400 WATTS



Input range:
110-290V

CRI:>70

THD:<10%

IP Rating:
≥ IP66

Surge: Upto 6kv
internal

Output
Lumens
≥130 lm/W

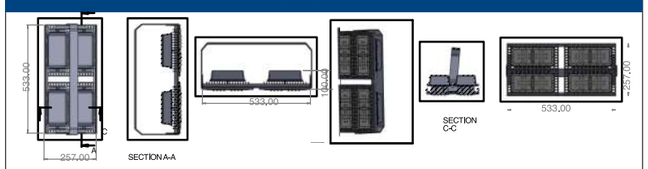
Driver
Efficiency
>90%

FEATURES

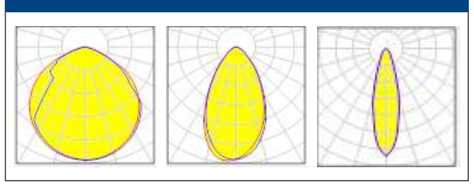
- High Luminous Efficiency
- Smart Dimming Control
- Rugged Build
- Stable Operation
- Long-Lasting Reliability
- Safety Standards as per IS 10322



DIAGRAM



POLAR CURVES



SPECIFICATIONS

Product Code	Watt(W)	Dimming Features	Dimension(mm)	Weight(kg)	IK Rating
NES-FL-30	30	No	185 * 155 * 50	0.70	IK 08
NES-FL-45	45	No	270 * 285 * 60	2.25	IK 08
NES-FL-60	60	Yes	270 * 285 * 60	2.25	IK 08
NES-FL-75	75	Yes	250 * 125 * 95	1.8	IK 10
NES-FL-100	100	Yes	250 * 125 * 95	1.8	IK 10
NES-FL-120	120	Yes	250 * 125 * 95	1.8	IK 10
NES-FL-150	150	Yes	365 * 255 * 100	6.3	IK 10
NES-FL-200	200	Yes	365 * 255 * 100	6.3	IK 10
NES-FL-250	250	Yes	365 * 255 * 100	6.3	IK 10
NES-FL-300	300	Yes	380 * 255 * 100	8.0	IK 10
NES-FL-350	350	Yes	380 * 255 * 100	8.0	IK 10
NES-FL-400	400	Yes	535 * 260 * 100	11.8	IK 10
NES-FL-500	500	Yes	535 * 260 * 100	11.8	IK 10
NES-FL-1000	1000	Yes	520 * 540 * 100	21.8	IK 10

COLOURS

Warm white ,
Cool White &
Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

LED FLOOD LIGHTS
30W-120W

Applications

- Ideal for small to medium-sized billboards
- Parking areas and residential complexes
- General outdoor and area lighting
- Lighting of Monuments



LED FLOOD LIGHTS
150W-300W

Applications

- Highmasts
- Airport aprons
- Security lighting
- Container Berths
- Flyovers & Bridges
- Sport Lighting
- Docks & Ports
- Railway marshalling yards
- Shopping malls & building facade

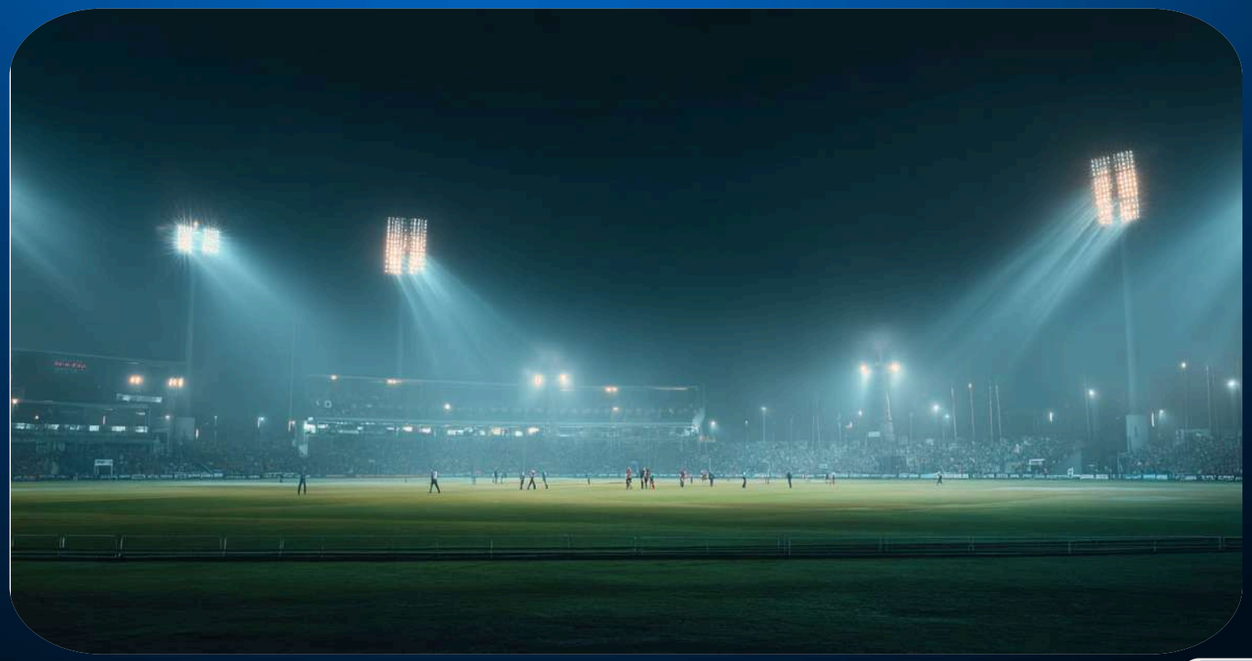


LED FLOOD LIGHTS
350W-1000W

Applications

- Highmasts
- Airport aprons
- Security lighting
- Container Berths
- Flyovers & Bridges
- Sport Lighting
- Docks & Ports
- Railway marshalling yards
- Shopping malls & building facade





FISSION FLOOD LIGHT

Brightening Every Corner of The Space

200 WATTS



Input Range:
140-270V

CRI: >80

THD: < 20 %

IP Rating:
≥ IP65

Output Lumens
≥100 lm/W

Driver Efficiency
>85%

FEATURES

- High Luminous Efficiency
- Consistent Light Distribution
- Easy to Install
- Longevity
- Uniform illumination
- Maintenance-Free

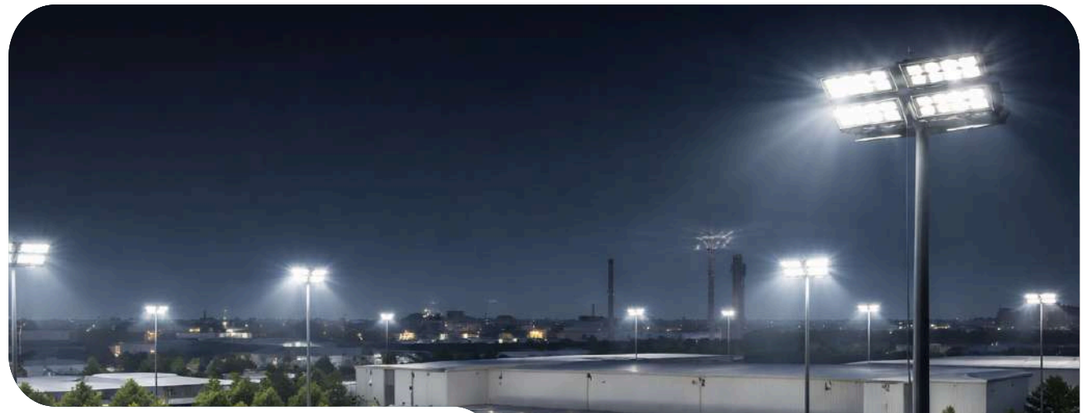
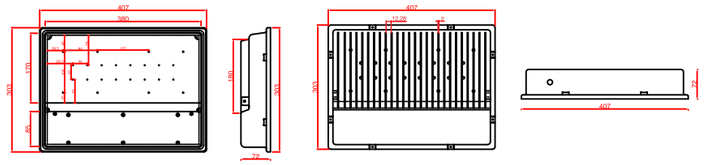
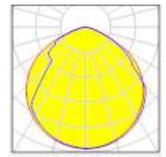






DIAGRAM	POLAR CURVE





SPECIFICATIONS

Product Code	Watt (W)
ENES-FL-50	50
ENES-FL-60	60
ENES-FL-75	75
ENES-FL-100	100
ENES-FL-150	150
ENES-FL-200	200

COLOURS

Warm white ,
Cool White &
Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

FISSION FLOOD LIGHT

50W–200W

Applications

City roads/ Highways	Periphery/ Security lighting	Industry campuses
Construction Sites	Parking areas	Parks and gardens



50 Watt



60 Watt



75 Watt



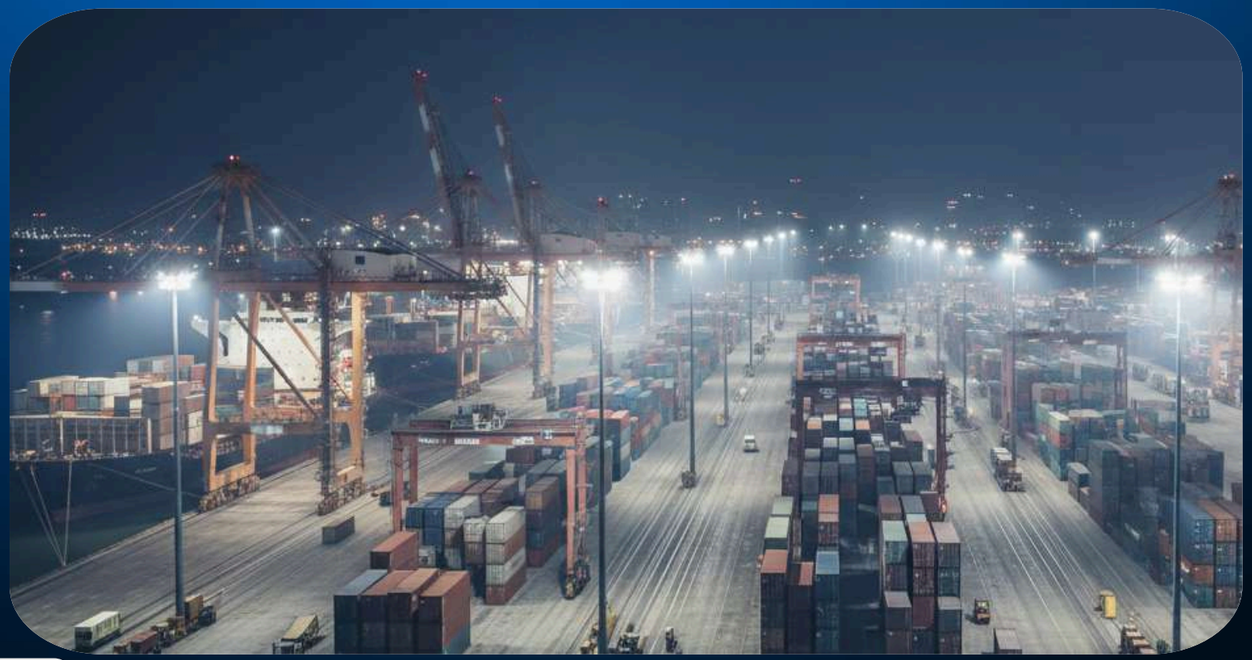
150 Watt

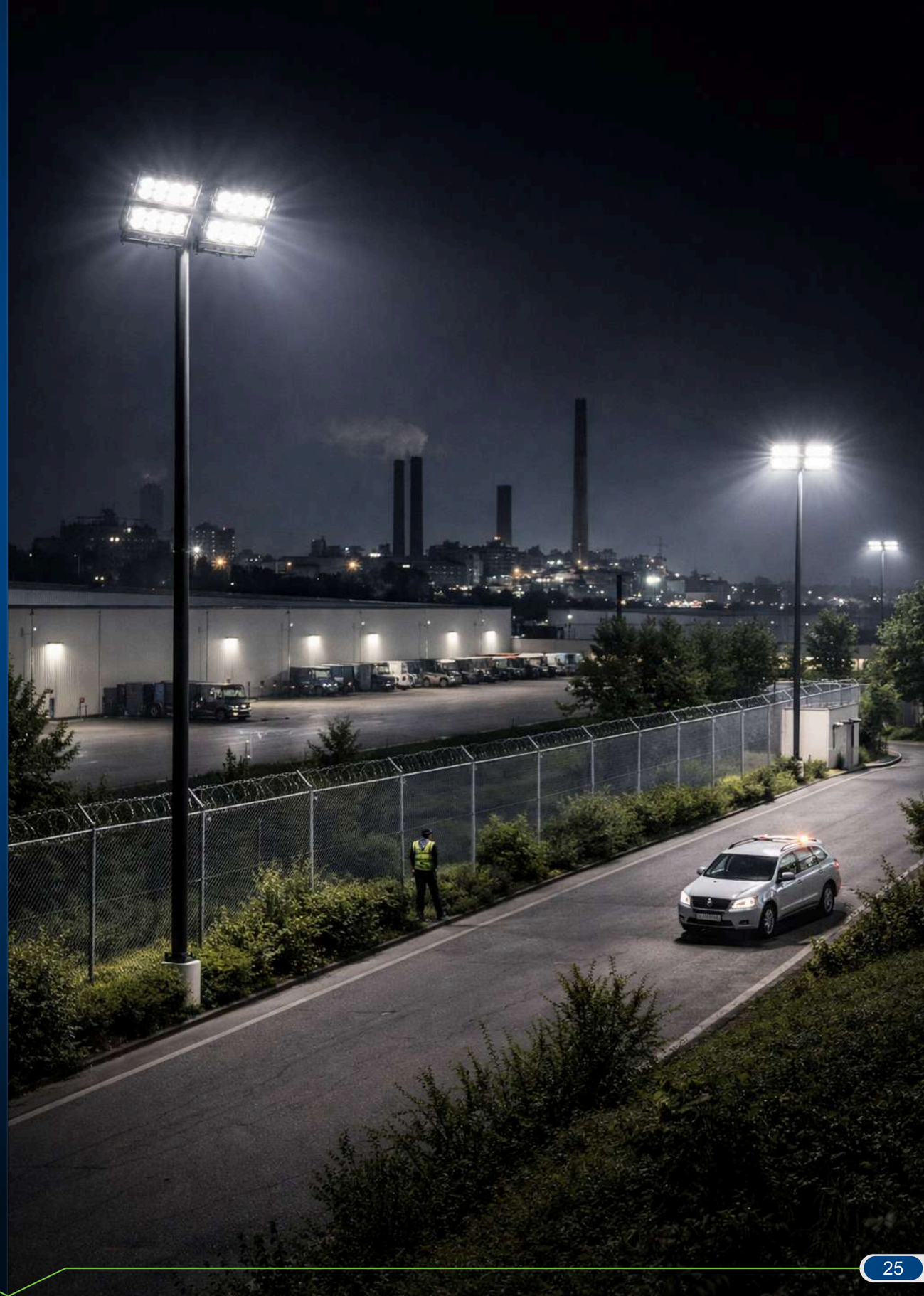


200 Watt



100 Watt





LED HIGH BAY LIGHT

Bright Performance at Every Level

150 WATTS



Input Range:
110-290V

CRI: >70

THD: <10%

IP Rating:
≥ IP66

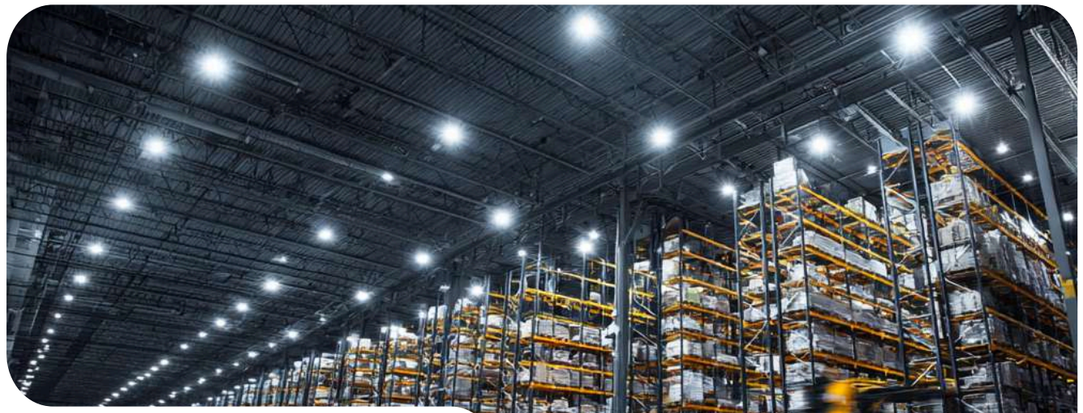
Surge:
upto 6kv internal

Output Lumens
≥130 lm/W

Driver Efficiency
>90%

FEATURES

- Smart Dimming Compatibility
- Uniform Light Distribution
- Reduced Operational Costs
- Maintenance-Free
- Energy Efficient
- Safety Standards as per IS 10322

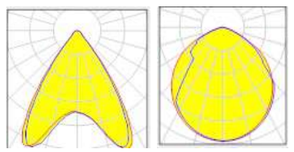




DIAGRAM



POLAR CURVES



SPECIFICATIONS

Product Code	Watt(W)	Dimming Features	Dimension(mm)	Weight(kg)	IK Rating
NES-BL-50	50	No	D-180 H-100	1.35	IK 08
NES-BL-60	60	Yes**	D-250 H-125	2.25	IK 08
NES-BL-75	75	Yes**	D-250 H-125	2.25	IK 08
NES-BL-100	100	Yes**	D-280 H-135	2.5	IK 10
NES-BL-120	120	Yes**	D-280 H-135	2.5	IK 10
NES-BL-150	150	Yes**	D-325 H-140	3.85	IK 10
NES-BL-200	200	Yes**	D-360 H-160	5.1	IK 10

COLOURS



Warm white ,
Cool White &
Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

LED HIGH BAY LIGHT

50W–200W

Applications

- Manufacturing Bays
- Warehouses
- Indoor Stadiums
- Airport Hangers
- Railway Concourse Halls
- Mines



50 Watt



60 Watt



75 Watt



100 Watt



120 Watt



150 Watt



200 Watt

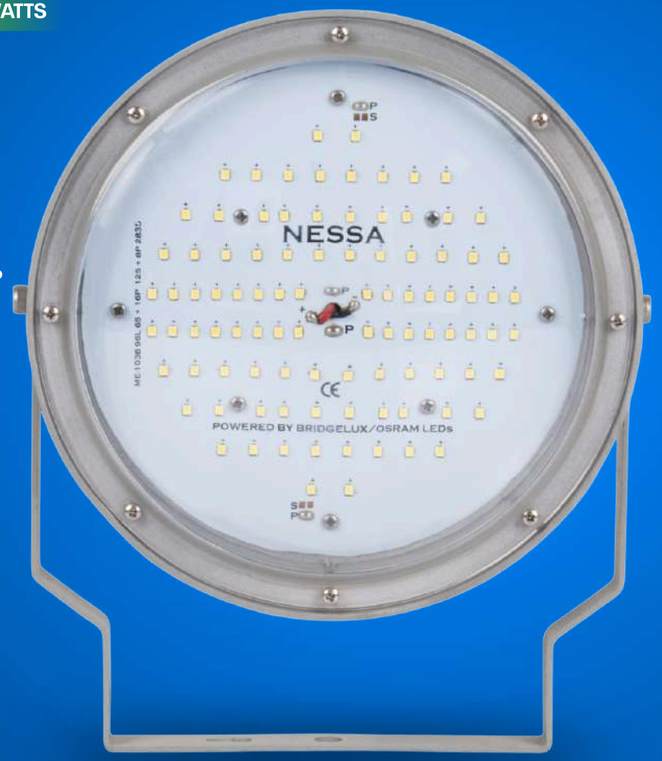




WELL GLASS LIGHT

Brightest in the Toughest Spaces

75 WATTS



Input Range:
110-290V

CRI: >70

THD: <10%

IP Rating:
≥IP66

Surge:
upto 6kv internal

Output Lumens
≥130 lm/W

Driver Efficiency
>90%

IK Rating
IK 08

FEATURES

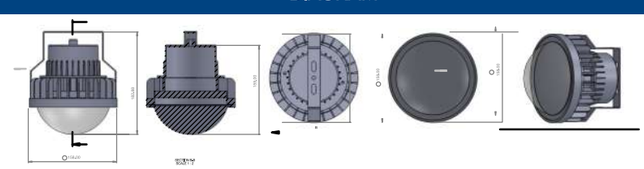
- High lumen efficiency for maximum brightness
- Energy-saving dimming option
- Rugged and durable design
- Uniform illumination
- Long-lasting and Low-maintenance performance
- Safety standard as per IS 10322



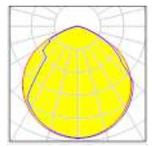




DIAGRAM



POLAR CURVE



SPECIFICATIONS

Product Code	Watt(W)	Dimension(mm)	Weight(kg)	Dimming Features
NES-WELL-20	20	D-135 x H-120	0.70	No
NES-WELL-30	30	D-135 x H-120	0.70	No
NES-WELL-40	40	D-160 x H-160	0.90	No
NES-WELL-60	60	D-210 x H-190	1.75	Yes
NES-WELL-75	75	D-210 x H-190	1.75	Yes

COLOURS

Warm white ,
Cool White &
Neutral White

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Please contact our sales team for the latest product datasheet and detailed diagrams

WELL GLASS LIGHT

20W- 75W

Applications

- Industrial areas
- Warehouses
- Manufacturing units



20 Watt



30 Watt



40 Watt



75 Watt



60 Watt





AC HIGH MAST

Illuminating Higher for Seamless Operation



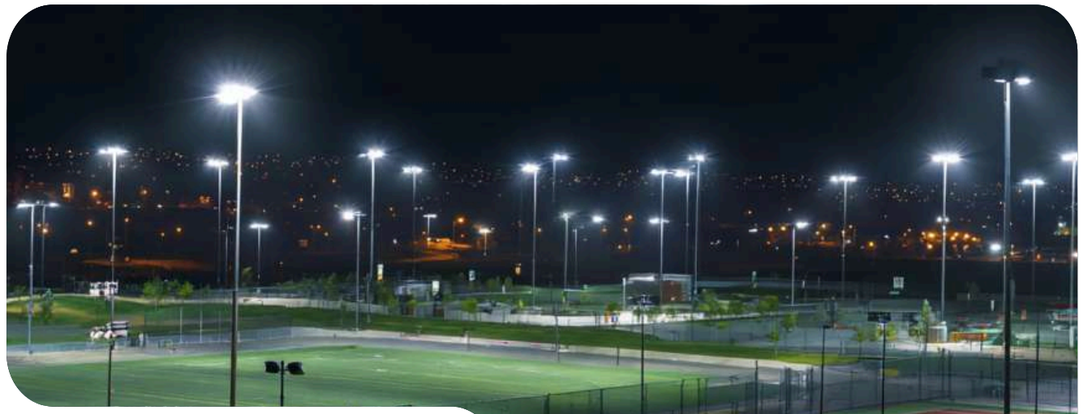
- Consistent and Powerful Performance
- High Illumination
- Stable Performance
- Durable Structure
- Easy Maintenance
- Long Life

APPLICATION

- Ports
- Shipyards
- Large industrial zones
- Stadiums
- Parking lots
- Major road intersections

FEATURES

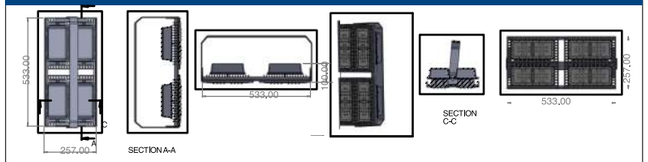
- Durable
- Designed to withstand high winds



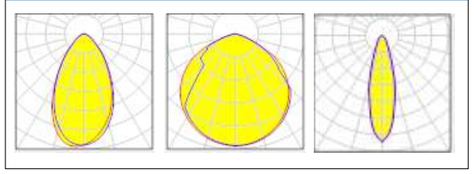




DIAGRAM



POLAR CURVES



SPECIFICATIONS

SPECIFICATION	12.5 MTR HIGHMAST	20 MTR HIGHMAST	30 MTR HIGHMAST
Height of Highmast	12.5 m	20 m	30 m
Total Wattage on Mast	400-1200 W	1200-2400 W	2400-4800 W
No. of Light Fixtures	6 nos	6	6
Wattage of Each Light	60 W AC FLOOD LIGHT	350 W AC FLOOD LIGHT	500 W FLOOD LIGHT
Design Wind Speed	140 km/h	150 km/h	198 km/h (55 m/s)
Lantern Carriage Type	6-arm	9-arm	12-arm
Head Frame Type	Welded	Welded	3-point Suspension
Junction Box	1 no	1 no	1 no
Winch Gear System	Single Drum	Single-Gear Double Drum	Double Drum
Winch Drive	Manual/Optional Motor	Manual / Electrical	Electrical
Wire Rope	6 mm SS	6 mm SS	6 mm SS Twin-Rope System
Safety Rope	Yes	Yes	Double
Motor Rating	1HP	1.5 HP	2 HP

COLOURS



Warm white , Cool White & Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

ALL IN ONE SOLAR STREET LIGHT

Street-Smart Illumination with Solar Intelligence

12 WATTS



Output Lumens: ≥130 Lm/W

CRI: >70

Driver Efficiency: >90%

MPPT Charging Algorithm to extract maximum power from solar panel

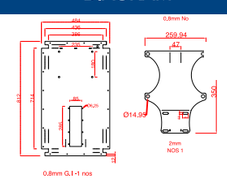
Smart Artificial Intelligent Algorithm for more back up during cloudy weather

FEATURES

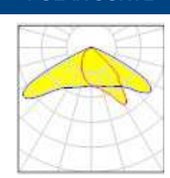
- Customisable and intelligent dimming options
- High-efficiency DC-DC converters for better performance
- Advanced charge controllers for longer system life
- Precision optics and high-lumen LED configuration
- Smart monsoon dimming and dusk-to-dawn operation
- Multi-level battery and charging protection
- Fast charging with maintenance-free design
- Easy and secure installation



DIAGRAM



POLAR CURVE



SPECIFICATIONS

Product Code	Watt (W)	Solar Panel (W)	Battery (12.8V) (Ah)	Weight(kg)
NES-LIA-12	12	40	12	9.8
NES-LIA-15	15	40	12	9.8
NES-LIA-18	18	40	12	9.8
NES-LIA-24	24	60	18	11.3
NES-LIA-30	30	60	24	11.3
NES-LIA-40	40	80	30	12.7
NES-LIA-60	60	165	42	32

COLOURS



Warm white , Cool White & Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

ALL IN ONE SOLAR STREET LIGHT

12W- 60W

Applications

Roads and Highways	Schools	Garden
Parks	Building parking area	Security Lighting



12 Watt



15 Watt



18 Watt



24 Watt



30 Watt



40 Watt



60 Watt



SEMI INTEGRATED SOLAR STREET LIGHT

Smarter Power for Every Street

20 WATTS



Output Lumens:
≥130 Lm/W

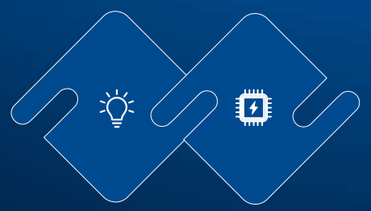
CRI: >70

Driver Efficiency:
>90%

IP Rating:
≥IP66

MPPT Charging Algorithm to extract maximum power from solar panel

Smart Artificial Intelligent Algorithm for more back up during cloudy weather



Dimension
415x160x158 mm

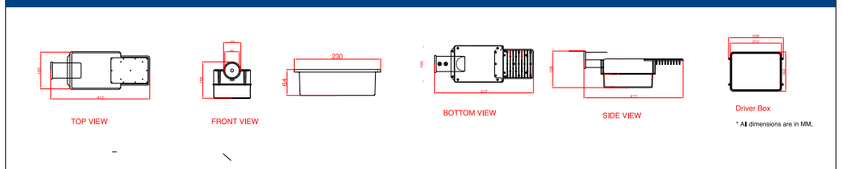
ID
60 mm

FEATURES

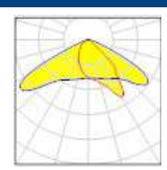
- Smart and customisable dimming options
- High-efficiency DC-DC converter design
- Multi-level safety and protection system
- Intelligent charge controller for longer life
- Dusk-to-dawn automatic operation
- Fast charging and maintenance-free performance



DIAGRAM



POLAR CURVE



SPECIFICATIONS

Product Code	Watt (W)	Solar Panel (W)	Battery (12.8V) (Ah)	Weight(kg)
NES-LIFE-9	9	40	6	2.8
NES-LIFE-12	12	40	12	2.8
NES-LIFE-15	15	40	12	2.8
NES-LIFE-18	18	50	12	2.8
NES-LIFE-24	24	60	18	3.5
NES-LIFE-30	30	60	24	4.7
NES-LIFE-45	45	100	30	4.8
NES-LIFE-60	60	165	42	6.2

COLOURS

Warm white ,
Cool White &
Neutral White

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SEMI INTEGRATED SOLAR STREET LIGHT

9W- 60W

Applications

Roads and Highways	Schools	Garden
Parks	Building parking area	Security Lighting



9 Watt



12 Watt



15 Watt



18 Watt



24 Watt



30 Watt



45 Watt



60 Watt



SOLAR HIGH MAST

The Solar High Mast at Nessa offers an energy-efficient and maintenance-free lighting solution ideal for off-grid sustainable projects.



- Automatic and Independent Operation
- Battery Backup
- Uniform Illumination
- Durable Structure
- Low Maintenance
- Energy Saving
- Cost Effective

APPLICATION

- Sports Arenas
- Highways
- Railways
- Open-Air Theatres
- Shopping Malls
- Warehouses



SPECIFICATIONS

SPECIFICATION	9 MTR SOLAR HIGHMAST	12 MTR SOLAR HIGHMAST
Height of Mast	9 m	12 m
No. of Light Fixtures	6 NOS	6 NOS
Wattage of Each Light	50 W	50 W
Total Wattage on Mast	120-480 W	240-900 W
Solar Panel Qty	6 NOS	6 NOS
Solar Panel Rating	165 W	330-550 Wp
Battery Type QTY	6 NOS	6 NOS

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

STANDALONE SOLAR STREET LIGHT SYSTEM

A complete system designed for solar efficiency

90 WATTS



Output Lumens: ≥130 Lm/W

CRI: >70

Driver Efficiency: >90%

IP Rating: ≥IP66

MPPT Charging Algorithm to extract maximum power from solar panel

Smart Artificial Intelligent Algorithm for more back up during cloudy weather

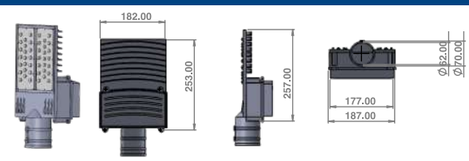
FEATURES

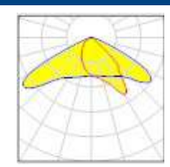
- Customisable dimming for efficient light control
- High-efficiency DC-DC converters for better performance
- Advanced charge controllers for extended system life
- Precision optics with high-lumen LED configuration
- Intelligent monsoon dimming and dusk-to-dawn operation
- Multi-level battery safety and compatibility (LiFePO4 & Lead Acid/SMF)
- Fast charging with low-maintenance design





DIAGRAM	POLAR CURVE





SPECIFICATIONS

Product Code	Watt (W)	Battery	Solar Panel	Dimension(mm)	Weight(kg)	ID (mm)
NES-SSL-12	12	12.8V,24Ah	40	215x95x65	0.50	36
NES-SSL-15	15	12.8V,30Ah	60	215x95x65	0.50	36
NES-SSL-18	18	12.8V,36Ah	80	215x95x65	0.50	36
NES-SSL-24	24	12.8V,48Ah	80	215x95x65	0.50	36
NES-SSL-30	30	12.8V.54Ah	100	215x95x65	0.50	36
NES-SSL-40	40	12.8V,72Ah	165	265X160X80	1.15	55
NES-SSL-60	60	25.6V. 54Ah	24V 270	265X160X80	1.15	55
NES-SSL-90	90	25.6V, 84Ah	24V 400	260×185×110	1.60	62

COLOURS



Warm white , Cool White & Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

STANDALONE SOLAR STREET LIGHT SYSTEM

12W-90W

Applications

Roads and Highways	Schools	Garden
Parks	Building parking area	Security Lighting



12 Watt



15 Watt



18 Watt



24 Watt



30 Watt



40 Watt



60 Watt



90 Watt





SOLAR PUMPS

Harnessing Sunlight to Uplift Irrigation

40 WATTS



- Integrated MPPT (Maximum Power Point Tracking)
- High-efficiency solar photovoltaic panels with a minimum 25-year service life
- High sand protection
- High wear resistance
- Robust galvanised steel mounting structure
- Virtually zero maintenance cost

FEATURES

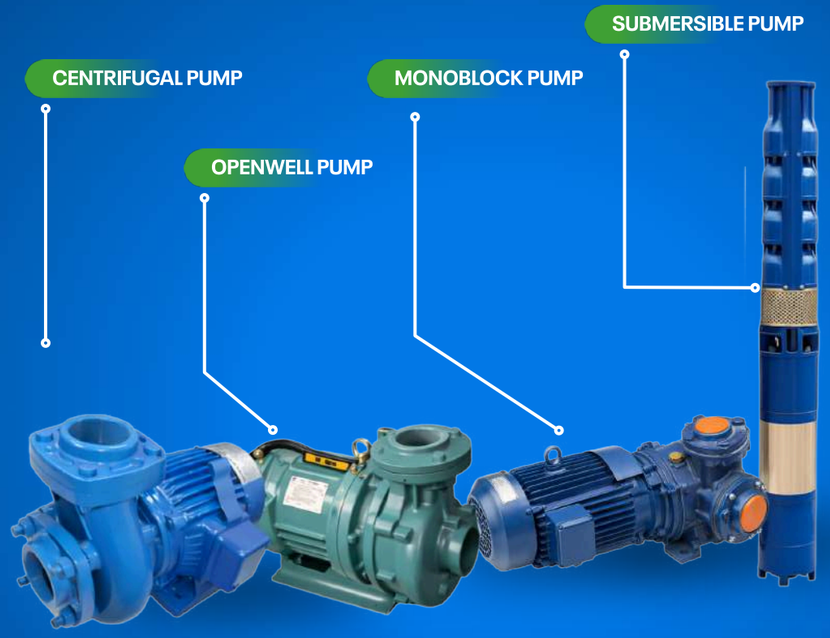
- Three-phase low voltage and high voltage AC submersible pump
- MPPT VFD pump controller
- Low maintenance operation
- AC motor
- Soft starter feature prevents water hammering and extends system life
- Easy to install
- GI structure with manually movable option



SPECIFICATIONS

HP	Stage	HED (m)	Discharge (lpm)	Total System (Watt)
2	6,8,9,13	20, 30, 50, 70	244, 157, 93, 63	2100
3	5, 12, 15	20, 30, 50, 70	350, 224, 133, 91	3000
5	4, 4, 7, 10	20, 30, 50, 70	145 ,212 ,560,358	4800

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams



PV Input Voltage
800 V DC

MPPT Range
450-600 V DC

3Ω
380V

Rated Output Voltage
3Ø, 380V

Output Frequency
0 to 50 Hz

PROTECTION AGAINST

- Over Current
- Over Voltage
- Output Phase Imbalance
- Under Voltage
- Short Circuit
- Dry Run

FEATURES

- Long operating life
- Easy installation
- Easy to operate
- Less maintenance
- No recurring expense
- Accessibility in remote areas
- Reliable & trouble-free performance



SPECIFICATIONS

Specification	Centrifugal (1HP)	Openwell (2 HP)	Monoblock (3 HP)	Openwell (3 HP)	Monoblock (5 HP)	Openwell (5 HP)	Submersible (7.5 HP)	Openwell (7.5 HP)
Brand	Surat Exim	Ghodela Shakti	Surat Exim	Ghodela Shakti	Surat Exim	Ghodela Shakti	Surat Exim	Ghodela Shakti
Voltage	110 V	110 V	230 V	160 V	380 V	250 V	415 V	320 V
Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
Solar Panel	1000 W	545 W * 4 Pieces	3000 W	545 W x 6 pcs (series)	5000 W	545 W x 9/10 pcs (series)	7500 W	545 W x 13/14 pcs (series)
Max Current	-	13-15 A	-	13-15 A	-	14 A	-	14 A
RPM	2820	2800	2820	2800	2820	2880	2820	2880 RPM
Head Range	5-12 m	10-15 m	7-22 m	15-20 m	16-33 m	20-25 m	55 m	30-40 m
Max Discharge	69-182 LPM	329-409 LPM	1-7 LPS	359-439 LPM	3-7 LPS	219-279 LPM	478 LPM	399-469 LPM
Delivery	-	-	-	-	-	-	65 mm	-
Outlet Size	50 mm	2.5 "x 2"	65 x 50mm	2.5 "x 2"	65 x 50mm	2.5 "x 2"	-	2.5 "x 2"

SPECIFICATIONS

Specification	SP100-4T-3	SP100-4T-5	SP100-4T-7.5	SP100-4T-10
PV Rating (W)	3000	5000	7500	10000
Pump Rating (HP)	3 HP	5 HP	7.5 HP	10 HP
Head Range (Mtrs)	30-80	30-80	30-120	30-150
Discharge (m^3/day)	75-30	100-70	120-70	150-70
Maximum Input DC Current (A)	10	18	20	18
Maximum Output Current (A)	9.5	9.5	13	9.5

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

SOLAR PUMP
1 Hp - 7.5 HP



1 HP



2 HP



3 HP



3 HP



5 HP



5 HP



7.5 HP



7.5 HP

SOLAR PUMP
3 HP - 10 HP



3 HP



5 HP



7.5 HP



10 HP



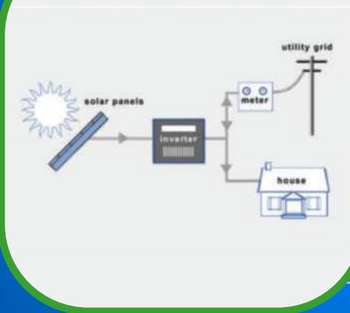
SOLAR ROOF TOP

Powering Spaces with Solar Intelligence

Nessa specialises in designing and installing solar power packs for industries, residential societies, individual homes, and campuses. Each installation is designed to deliver maximum economic value through reliable performance and long-term sustainability.

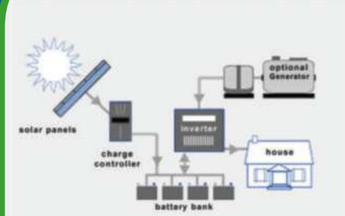
As an MNRE Channel Partner, Nessa also supports customers with subsidy assistance and ensures seamless service and installation support.

SYSTEM OPTIONS



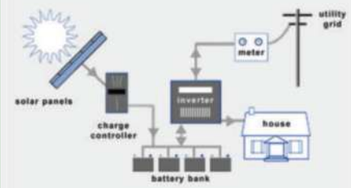
GRID-TIED SOLAR SYSTEM

- Connected to the public electricity grid and does not require battery storage.
- Excess power generated is exported to the grid, and users receive tariff credits (FIT) for the energy supplied.
- Ideal for homes and businesses already connected to a stable power grid.



OFF-GRID SOLAR SYSTEM

- Functions independently of the main electricity grid and includes battery storage.
- Designed to supply power throughout the year, including during power outages or remote conditions.
- Ideal for areas without reliable grid access.



HYBRID SOLAR SYSTEM

- Combines grid-tied and off-grid technologies for uninterrupted energy use.
- Automatically switches between stored solar energy and the electricity grid.
- Ideal for locations needing reliability during day and night or power fluctuations.

HYBRID ALL IN ONE STREET LIGHT

(Powered by AC & Solar)

Smarter Lighting with Dual Power

40 WATTS



- **Output Lumens:** ≥130 Lm/W
- **CRI:** >70
- **Driver Efficiency:** >90%
- **MPPT Charging Algorithm** to extract maximum power from solar panel
- **Smart Artificial Intelligent Algorithm for more back up during cloudy weather**

APPLICATION

Roads and Highways | Schools | Garden | Parks | Building parking area | Security Lighting

FEATURES

- Automatically switches to AC supply if the battery is not charged
- Seamless transition between solar and grid power
- Intelligent hybrid operation for uninterrupted lighting
- Reliable performance in all weather conditions

AVAILABLE OPTIONS

Option 1

Auto AC Backup

Operates on battery power under normal conditions and automatically switches to AC supply if the battery is low.

Option 2

Manual Daytime Operation

Allows manual AC operation during daytime when lighting is required; solar panel continues charging the battery simultaneously.

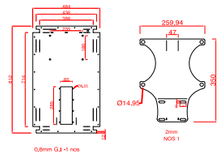
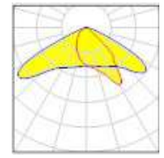
Option 3

Dual Switch Control

Includes both AC and Battery switches:

- Operate light from any power source (AC or battery) at any time, day or night.
- Manual ON/OFF control available for both power modes.



DIAGRAM	POLAR CURVE
	

SPECIFICATIONS

Product Code	Watt (W)	Suitable Solar Panel	Battery
NES-HLIA-30	30	12V, 60W	12.8V, 24Ah
NES-HLIA-45	45	12V, 80W	12.8V, 30Ah
NES-HLIA-60	60	12V, 165W	12.8V, 42Ah

COLOURS



Warm white , Cool White & Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

HYBRID ALL IN ONE STREET LIGHT

30W- 60W

Applications

Roads and Highways	Schools	Garden
Parks	Building parking area	Security Lighting



30 Watt



45 Watt



60 Watt





HYBRID STREET LIGHT

(Powered by AC & Solar)

Smart lighting across both power sources

45 WATTS



Output Lumens: ≥130 Lm/W

CRI: >70

Driver Efficiency: >90%

IP Rating: ≥IP66

MPPT Charging Algorithm to extract maximum power from solar panel

Smart Artificial Intelligent Algorithm for more back up during cloudy weather

FEATURES

- Operates on battery power under normal conditions
- Automatically switches to AC supply if the battery is low or uncharged
- Compatible with both solar and grid inputs
- Intelligent hybrid control for seamless transition between power sources

AVAILABLE OPTIONS

Option 1

Auto AC Backup

Works primarily on battery power; automatically switches to AC supply if the battery is not charged.

Option 2

Manual Daytime Operation

Allows AC operation during daytime when light is required while the solar panel continues charging the battery simultaneously.

Option 3

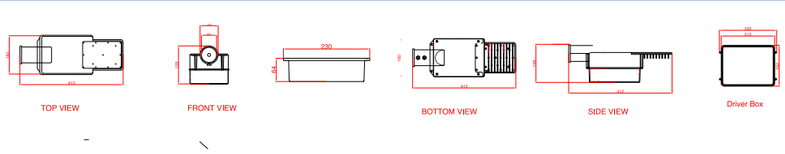
Dual Switch Control

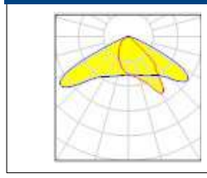
Includes both AC and Battery switches:

- Operate the light from any power source (AC or battery) at any time.
- Manual ON/OFF possible regardless of the power source or time of day.



DIAGRAM	POLAR CURVE





SPECIFICATIONS

Product Code	Watt (W)	Suitable Solar Panel	Battery
NES-HLIFE-30	30	12V, 60W	12.8V, 24Ah
NES-HLIFE-45	45	12V, 100W	12.8V, 30Ah
NES-HLIFE-60	60	12V, 165W	12.8V, 30Ah

COLOURS



Warm white , Cool White & Neutral White

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

HYBRID STREET LIGHT

30W-60W

Applications

Roads and Highways	Schools	Garden
Parks	Building parking area	Security Lighting



30 Watt

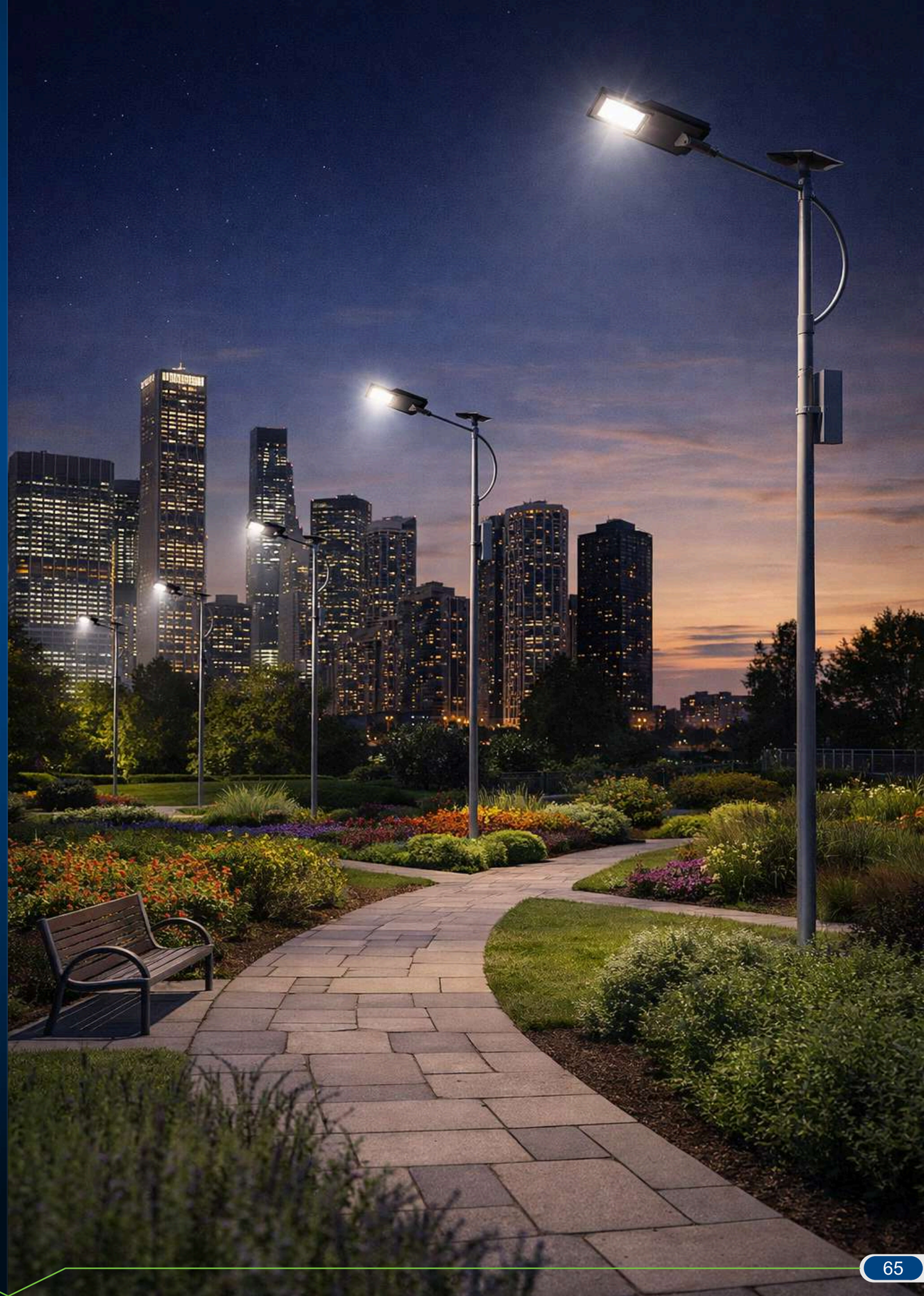


45 Watt



60 Watt





HYBRID HIGH MAST

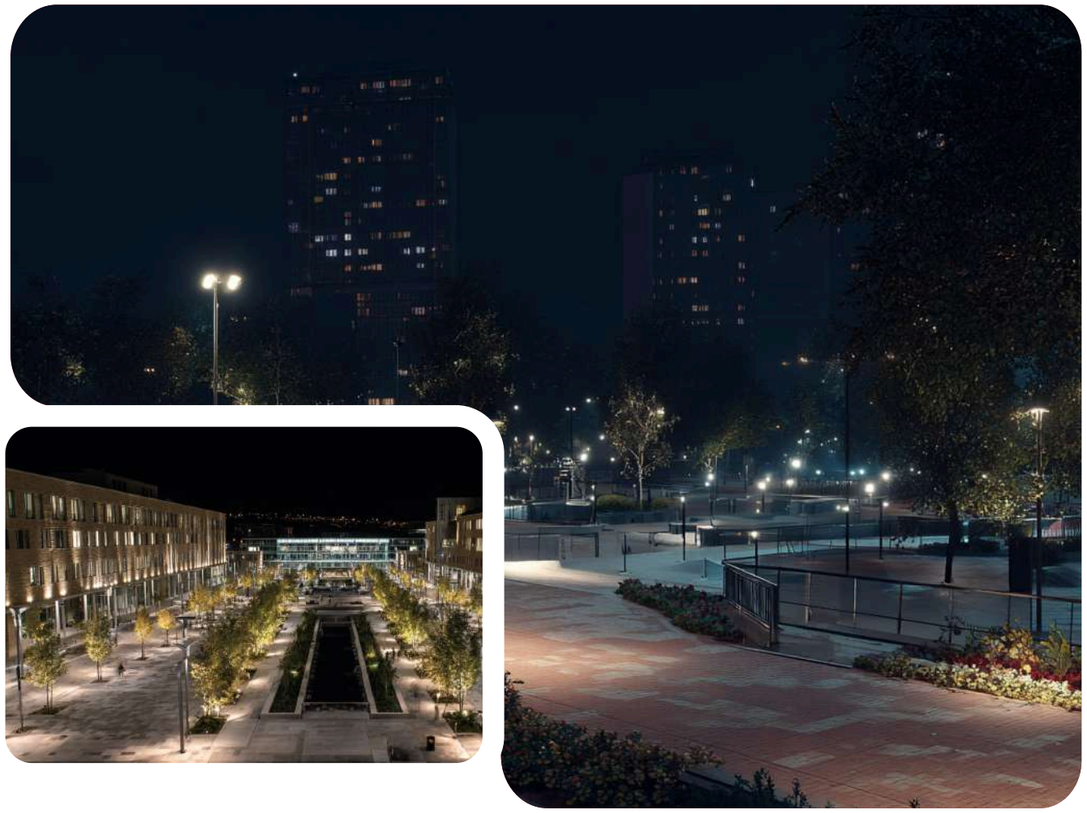
The Hybrid High Mast is designed to ensure uninterrupted lighting under all conditions.



- Energy Savings
- Cost-efficient
- Automated Control
- Better Ambience
- Safe & Secure
- Smart Integration
- Low Maintenance

FEATURES

- Dual Power Operation
- Continuous Lighting in heavy weather conditions
- Reduced downtime
- Winch + Motorised operation for service on the ground.
- Automatic Changeover to AC mains backup in case of a low battery
- Major cost savings
- Works on solar + battery in normal conditions.



SPECIFICATIONS

SPECIFICATION	12 MTR SOLAR HIGHMAST
Height of Mast	12 m
No. of Light Fixtures	6 NOS
Wattage of Each Light	50 W
Total Wattage on Mast	900 W
Solar Panel Qty	6 NOS
Solar Panel Rating	165 Wp
Battery Type QTY	6 NOS
Battery Capacity	60 Ah
Backup Hours	10-12 hrs
Design Wind Speed	140-150 km/h
Lantern Carriage Type	6-arm/12-arm
Head Frame Type	Welded
Junction Box	1 no
Winch Gear System	Single drum
Motor Rating	1.5 HP
System Type	Solar DC/AC

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

SOLAR SMART STREET LIGHT

Smart control for everyday lighting
IoT-Based Smart Solutions



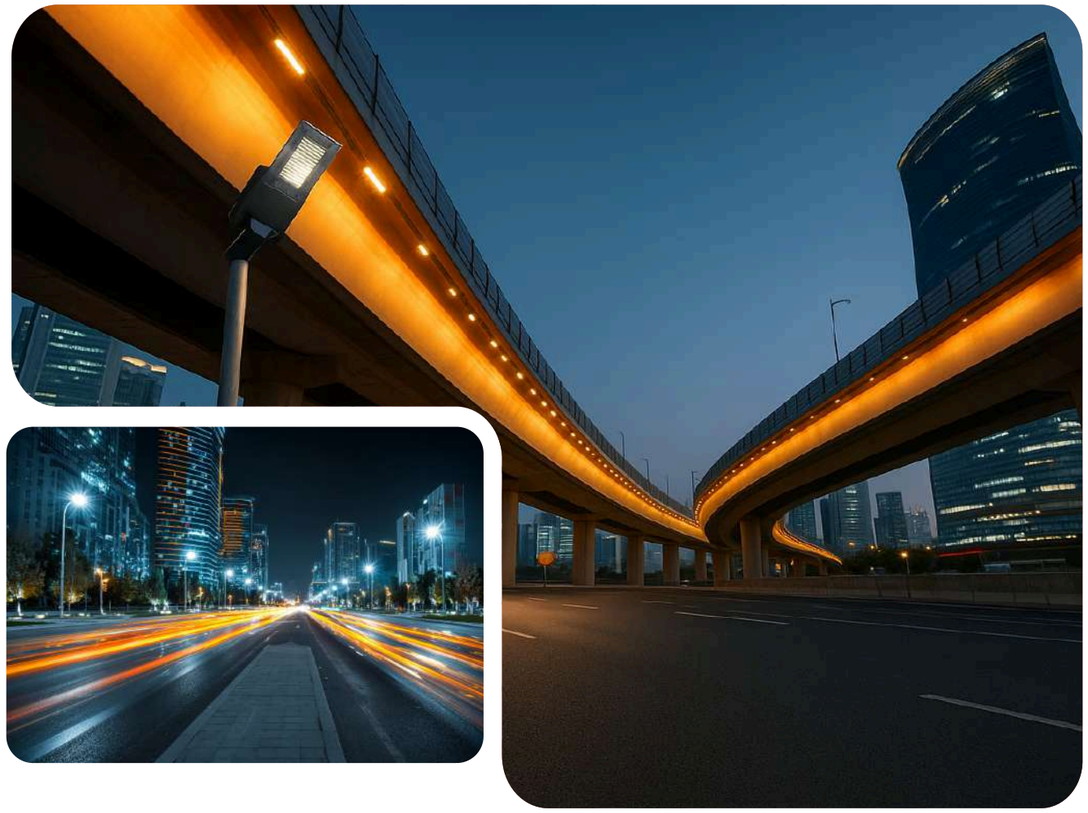
- Luminous efficacy ≥ 130 lm/W
- Colour Temperature 5500 K to 6500 K
- CRI: ≥ 70
- Ingress Protection (IP) IP 66
- Impact resistance (IK) ≥ IK 10
- MPPT Solar Charge Controller: ≥90 %

APPLICATION

- Roads and Highways
- Schools
- Garden
- Parks
- Building parking area
- Security Lighting
- Parking Lots
- Commercial/ Retail Entrances
- Junctions/ Crossroads
- Public and Residential Areas
- Industrial zones
- Bus stops and transit points

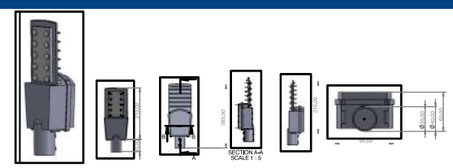
FEATURES

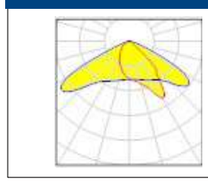
- Individual RMS card per light
- Smart artificial intelligent algorithm for more back up during cloudy weather
- Automatic 2G/4G connection to public mobile networks for sending data to the cloud server or CMS via RMS hardware
- MPPT charging algorithm to extract maximum power from the solar panel
- One RMS card can support 4 to 6 lights in a single high mast
- Smart AI algorithm for extended backup during cloudy weather



DIAGRAM(20W)	POLAR CURVE

DIAGRAM(60W)	POLAR CURVE





SPECIFICATIONS

Product Code	Watt (W)	Light Dimension(MM)
NES-SSL-20	20	255X90X75mm ±10mm
NES-SSL-60	60	415X160X158 ± 10

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

SMART LIGHT

(Powered with AC)

AC-powered light with smarter control

60 WATTS



- Luminous efficacy ≥ 130 lm/W
- Colour Temperature 5500 K to 6500 K
- CRI : ≥ 70
- Ingress Protection (IP) IP 66
- Impact resistance (IK) ≥ IK 10
- MPPT Solar Charge Controller: ≥90 %

FEATURES

- Auto shutdown and auto restart safety
- Open and short circuit protection
- Over-voltage and under-voltage cut-off
- On/Off control with real-time dimming
- PWM and 1–10V analogue dimming compatibility
- Scheduling-based dimming control
- Energy metering for power monitoring
- Built-in fault detection

COMPATIBILITY MODES

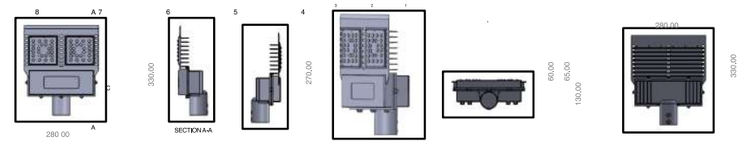
Mode 1
NEMA receptacle compatibility

Mode 2
Driver compatible with PWM or analogue dimming

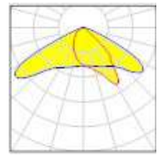
Mode 3
Supports NB-IoT technology



DIAGRAM



POLAR CURVE



SPECIFICATIONS

Product Code	Watt (W)	Light Dimension(MM)
NES-SL-60	60	(280×275×130) ± 10
NES-SL-75	75	(280X275X130) ± 10
NES-SL-90	90	(280X275X130) ± 10
NES-SL-120	120	(280X275X130) ± 10
NES-SL-150	150	(585×300×115) ± 10
NES-SL-200	200	(585X300X115) ± 10

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

SMART LIGHT
60W-200W

Applications

Roads and Highways	Schools	Garden
Parks	Building parking area	Security Lighting



60 Watt



75 Watt



90 Watt



120 Watt



150 Watt



200 Watt





SURFACE LIGHT

Mounted light for everyday indoor spaces

12 WATTS (ROUND)



Input Range
200V-240V AC

Output Lumens
>90 lm/W

CRI: >80

Driver Efficiency:
>85%

PF

PF >0.90

Working Hour
30000 Hrs

FEATURES

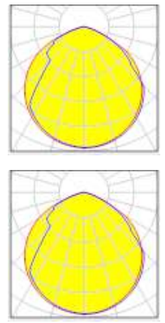
- Energy Efficiency
- Aesthetic Design
- High Illumination



SPECIFICATIONS

Product Code	Watt (W)	Dimension(mm)
Round	6	Φ (115 X 35) mm
Round	12	Φ (145 X 35) mm
Round	18	Φ (168 X 35) mm
Round	24	Φ (220 X 35) mm
Square	6	115×115×35 mm
Square	12	145X145X35 mm
Square	15	168X168X35 mm
Square	24	220X220X35 mm
Square	28	600X600X45
Square	36	600X600X45
Square	40	600X600X45

POLAR CURVES



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Please contact our sales team for the latest product datasheet and detailed diagrams

SURFACE LIGHT (ROUND)

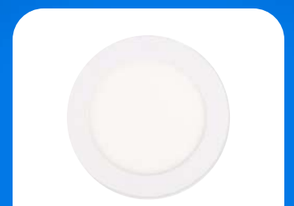
6W-24W

Applications

Kitchens	Bedrooms	Living Rooms
Commercial Areas	Retail Stores	Hotels



6 Watt



12 Watt



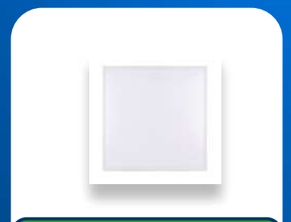
18 Watt



24 Watt

SURFACE LIGHT (SQUARE)

6W-40W



6 Watt



12 Watt



15 Watt



24 Watt



28 Watt



36 Watt



40 Watt



SPIKE LIGHT

Focused light for finer details

5 WATTS



Input Range
200V-240V AC

Output Lumens
>90 lm/W

CRI: >80

Driver Efficiency: >85%

THD: <20%

PF
PF: >0.90

APPLICATION

Landscape lighting

Garden lighting

Highlights outdoor features like Trees, Flower beds, and Pathways

FEATURES

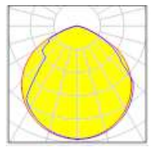
- Enhances visibility and beauty of outdoor features
- Creates a pleasant and decorative ambience in gardens and landscapes
- Easy ground insertion
- An adjustable light head
- LED light source
- Weather-resistant
- Durable construction



SPECIFICATIONS

Product Model	Watt (W)	Working Hours(Hrs)
NES-SPI-5	5	30000

POLAR CURVE

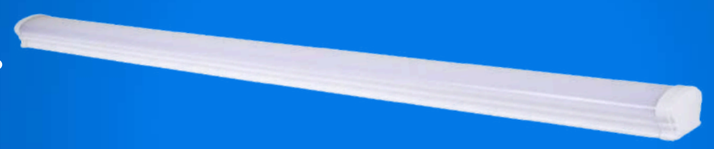


All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

TUBE LIGHT

Lighting made for everyday operations

36 WATTS



Input Range
200V-240V AC

CRI: >80

Driver Efficiency
>85%

PF

PF: >0.90

Working Hour
30000 Hrs

FEATURES

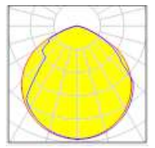
- Energy Efficiency
- Aesthetic Design
- High Illumination



SPECIFICATIONS

Product Type	Watt (W)	Output Lumens (lm/W)	Dimension(ft)
TUBE LIGHT	10, 18, 20,36,40	>90	1, 2, 4
WEATHER-PROOF TUBE LIGHT	18, 36, 40	>100	4

POLAR CURVE



All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

TUBE LIGHT

10W-40W

Applications

City roads/ Highways	Periphery/ Security lighting	Industry campuses
Warehouses	Parking areas	Parks and gardens



10 Watt



18 Watt



20 Watt



36 Watt



40 Watt

TUBE LIGHT (WEATHER-PROOF)

18W-40W



18 Watt



36 Watt



40 Watt



DOWN LIGHT

Compact ceiling lighting for indoor spaces

18 WATTS



Input Range
200V-240V AC

Output Lumens
>90 lm/W

CRI : >80

Driver Efficiency:
>85%

PF

PF: >0.90

Working Hour
30000 Hrs

FEATURES

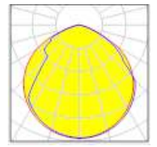
- Energy Efficiency
- Aesthetic Design
- High Illumination



SPECIFICATIONS

Product Type	Watt (W)	Dimension(MM)	Hole Size(MM)
Down Light	12	120X120X30	110X110
Down Light	18	155×155×35	145X145

POLAR CURVE



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Please contact our sales team for the latest product datasheet and detailed diagrams

DOWN LIGHT

12W-18W

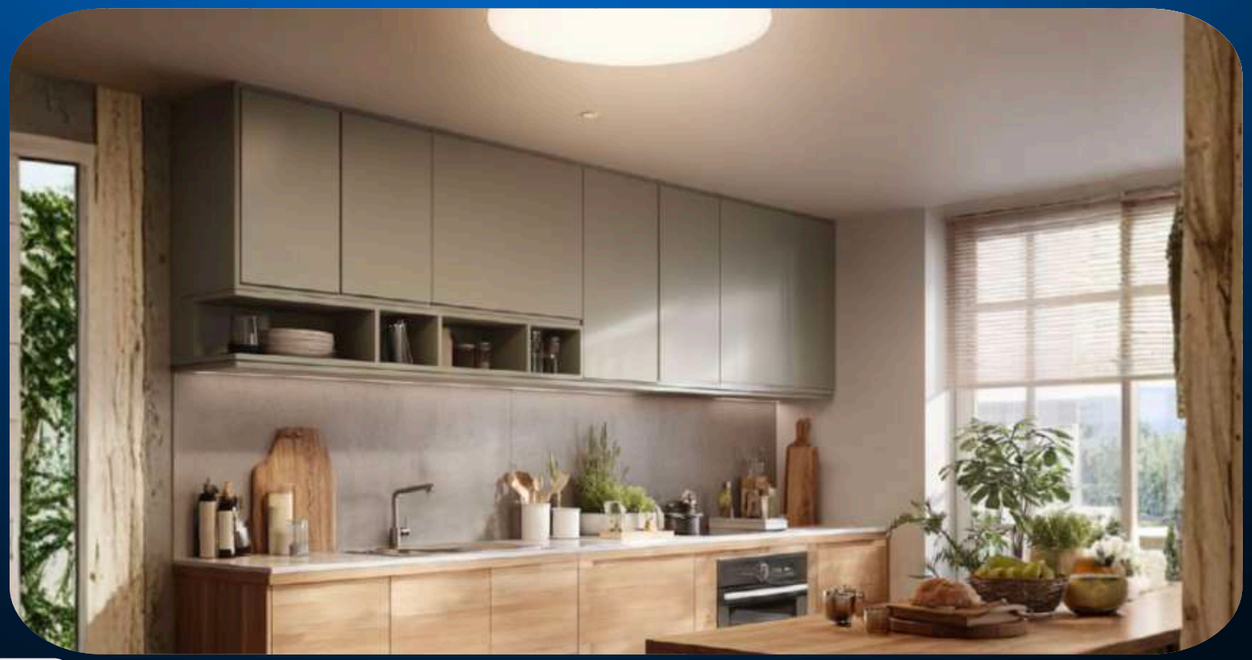
Applications

Kitchens	Bedrooms	Living Rooms
Commercial areas like offices, retail stores, and hotels	Hospitality Areas	Showrooms



12 Watt

18 Watt

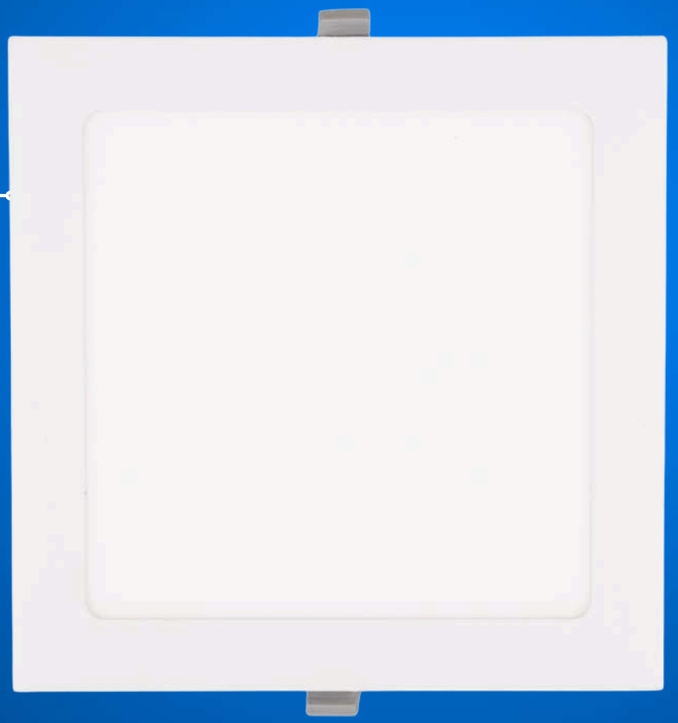




PANEL LIGHT

Even lighting for every room

40 WATTS



Input Range
200V-240V AC

Output Lumens
>90 lm/W

CRI: >80

Driver Efficiency
>85%

PF

PF: >0.90

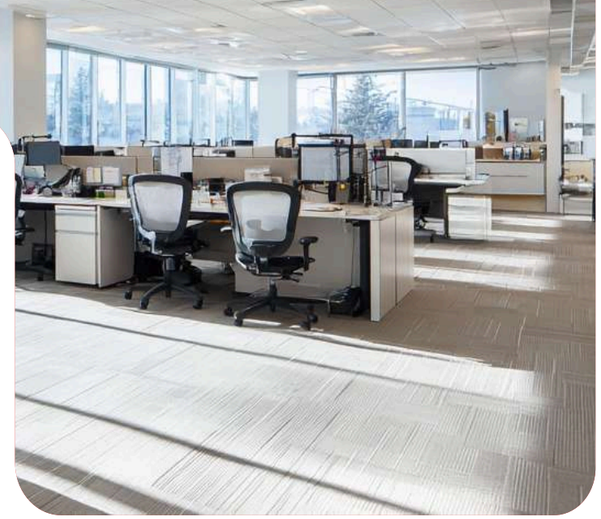
Working Hour
30000 Hrs

FEATURES

- Energy Efficiency
- Aesthetic Design
- High Illumination



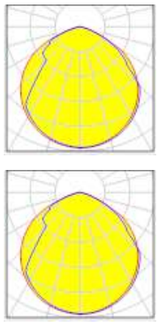




SPECIFICATIONS

Product Type	Watt (W)	Dimension(mm)	Hole Size(mm)
Square	6	115X115 mm	110X110
Square	12	145X145 mm	125X125
Square	15	168 X 168 mm	150X150
Square	24	220 X 220 mm	200X200
Square	9	115×115×35 mm	110X110
Square	18	168 X 168 mm	150X150
2X2 Square Panel	28,36, 40	600X600X35 mm	-
Round	6	Φ (115) mm	Φ (100) mm
Round	12	Φ (145) mm	Φ (125) mm
Round	15	Φ (168) mm	Φ (150) mm
Round	24	Φ (220) mm	Φ (200) mm
Round	9	Φ (115) mm	Φ (100) mm
Round	18	Φ (168) mm	Φ (150) mm

POLAR CURVES



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Please contact our sales team for the latest product datasheet and detailed diagrams

PANEL LIGHT (SQUARE)

6W-18W

Applications

Kitchens	Bedrooms	Living Rooms
Commercial Areas	Retail Stores	Hotels



PANEL LIGHT (2X2 SQUARE PANEL LIGHT)

28W-40W



PANEL LIGHT (ROUND)

6W-18W

Applications

Kitchens	Bedrooms	Living Rooms
Commercial Areas	Retail Stores	Hotels





CLEANROOM LIGHT

Clear lighting for sterile spaces

30 WATTS



Input Range
200-240 V

Power Factor
≥0.95

CRI: ≥80

IP Level: IP20

Driver Efficiency
≥85%

APPLICATION

- Pharmaceutical Manufacturing
- Semiconductor Cleanrooms
- Food and Beverage Production
- Biotechnology
- Research Labs
- Healthcare Facilities

FEATURES

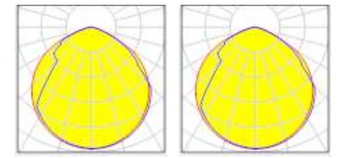
- Energy Efficiency
- Aesthetic Design
- High Illumination







POLAR CURVES



SPECIFICATIONS

Light	1X1 Bottom Openable Cleanroom Light (BOCR)	2X2 Bottom Openable Cleanroom Light (BOCR)	1X1 Top Openable Cleanroom Light (TOCR)	2X2 Top Openable Cleanroom Light (TOCR)
Model	NES-RDP/SQP-36	NES-RDP/SQP-36	NES-RDP/SQP-36	NES-RDP/SQP-48
Power	30W	30W	30W	45W
Power Frequency	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz
LED Luminous Efficacy	≥130 lm/W ± 10%	≥130 lm/W ± 10%	≥130 lm/W ± 10%	≥130 lm/W ± 10%
System Output Lumens	≥ 95 lm/W ± 10%	≥ 95 lm/W ± 10%	≥ 95 lm/W ± 10%	≥ 95 lm/W ± 10%
Total Lumens	2850 Lumens ± 10%	4275 Lumens ± 10%	2850 Lumens ± 10%	4275 Lumens ± 10%
Color Temperature	6500K/4000K/3000K/ Monochromatic	6500K/4000K/3000K/ Monochromatic	6500K/4000K/3000K/ Monochromatic	6500K/4000K/3000K/ Monochromatic
Protection Class	Class II	Class II	Class II	Class II
Housing Material	Metal (M.S. / S.S.)	Metal (M.S. / S.S.)	Metal (M.S./S.S.)	Metal (M.S. / S.S.)
Light Cutout Dimensions*	(300x300x70)mm ±10mm	(600x600x70)mm ±10mm	(300x300x70)mm ±10mm	(600x600x70)mm ±10mm
Light Outer Dimensions*	(335x335x70)mm ±10mm	(635x635x70)mm ±10mm	(295x295x70)mm ±10mm	(595x595x70)mm ±10mm

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

EMERGENCY EXIT LIGHT

Lighting the right way out

BiS approved

18 WATTS



Input Range
220-240V

Power Source Battery 2
hour backup

Colour Temperature
6500 K ± 5%

Protection Class
Class II

CRI: ≥80

IP Level : IP20

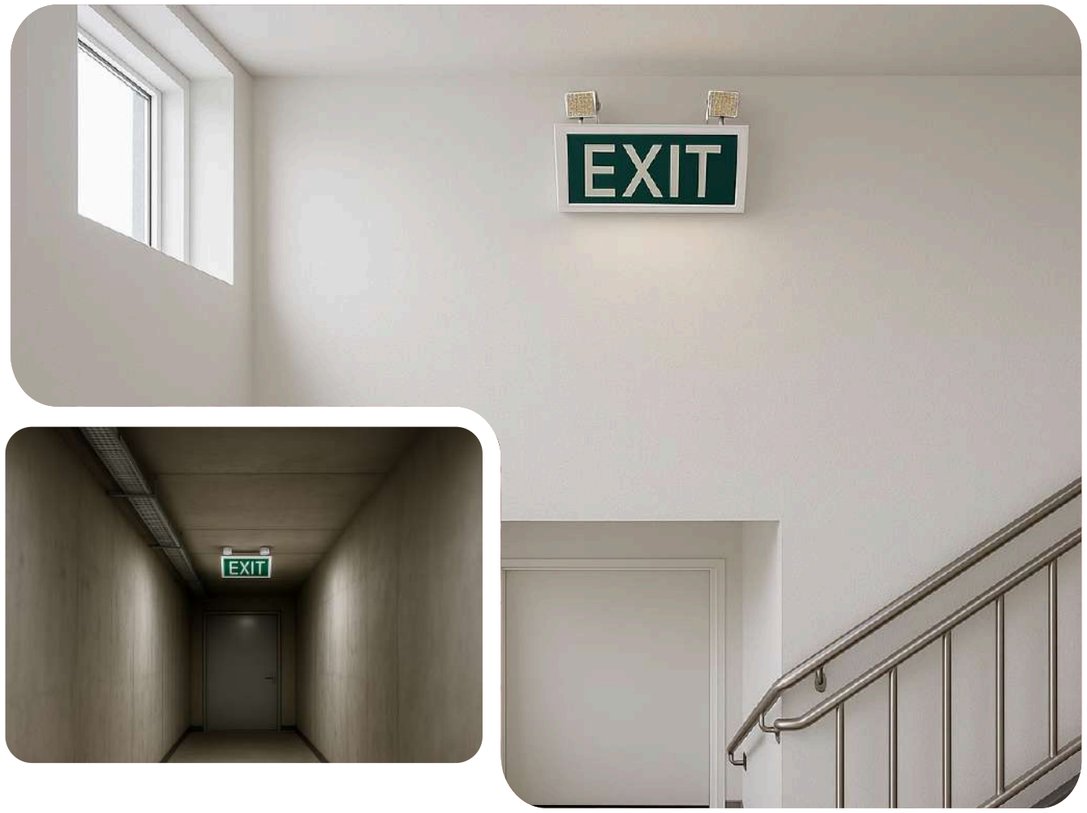
Housing Material
Metal (M.S.)

APPLICATION

- Commercial buildings
- Educational institutions
- Healthcare facilities
- Hospitality industry
- Industrial settings
- Airports & transit hubs

FEATURES

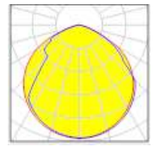
- Visibility
- Inbuilt Battery Back
- Class II protection



SPECIFICATIONS

Product Type	Modal	Power(W)	Power Frequency(HZ)	Light Dimensions*(MM)
Exit Light	NES-EL-18	18	50 to 60	(365x185x50) ± 10

POLAR CURVE



All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

EMERGENCY LIGHTS

Backup lighting when it matters the most

30 WATTS



AC input Supply 240V

DC input Supply(Battery): 12V

Output Lumens ≥130 Lm/W

CRI: >70

Driver Efficiency: >90%

Working Life >50000 Hrs

Battery Backup 1-2 Hours

FEATURES

- 1-2 hours Battery Backup
- Clear Visibility

AVAILABLE OPTIONS

Option 1

Automatic AC + Battery Backup

- Runs on AC mains
- Dusk-to-dawn sensor handles ON/OFF
- Battery charges continuously in the background
- Automatically switches to battery during power failure
- Returns to AC mode when power is restored

Option 2

AC Switch Control + Battery Support

- Operates through a standard AC switch
- Battery charges automatically while light is on AC
- Separate battery switch provided
- In a power cut, light runs on battery (if battery switch is ON)
- Full shutdown by turning OFF both AC and battery switches

Option 3

Transformer Supply + Battery Backup

- Runs on AC supply from a transformer
- Battery charges in parallel
- Automatically shifts to battery when transformer supply fails
- Switches back to AC once supply is restored

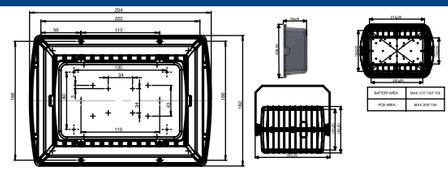
Option 4

Rechargeable Battery Operation

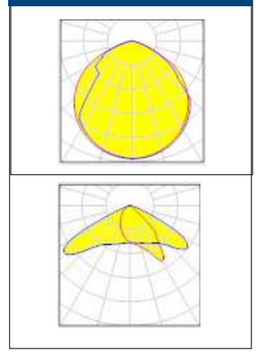
- Built-in rechargeable battery
- Charges via DC adaptor or USB
- User switches ON manually during power cuts
- Battery recharges after use
- Some models support charging while the light is ON



DIAGRAM



POLAR CURVES



SPECIFICATIONS

Product Type	Product Code	Watt(W)	Light Dimension (mm)
E-FLOOD LIGHT	NES-EFL-30	30	290X210X250 ±10
E-FLOOD LIGHT	NES-EFL-45	45	290X210X250 ± 10
E-FLOOD LIGHT	NES-EFL-60	60	290X210X250 ±10
E-STREET LIGHT	NES-ESL-30	30	415×160×158 ± 10
E-STREET LIGHT	NES-ESL-45	45	415X160X158 ± 10
E-STREET LIGHT	NES-ESL-60	60	415×160×158 ± 10

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Please contact our sales team for the latest product datasheet and detailed diagrams

EMERGENCY LIGHTS (E-FLOOD LIGHT)

30W-60W

Applications

- Evacuation routes
- Public and commercial buildings
- Workplaces



30 Watt



45 Watt



60 Watt

EMERGENCY LIGHTS (E-STREET LIGHT)

30W-60W



30 Watt



45 Watt

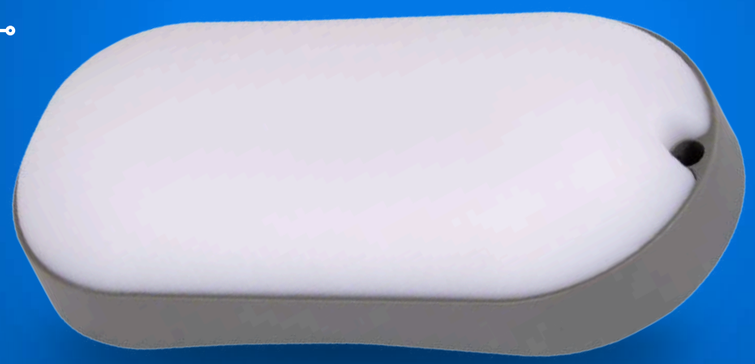


60 Watt



BULK HEAD

12 WATTS



CRI >70

Driver Efficiency>85

IP IP65

LED Working Life 30000 Hr.

APPLICATION

- Corridors and stairwells
- Parking garages and car parks
- Perimeter walls
- Walkways
- Industrial facilities
- Basements & Utility areas

FEATURES

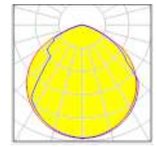
- Durability
- Weather resistance
- Energy efficiency
- Low maintenance



SPECIFICATIONS

System Wattage	12W
CCT °K	5700 K ± 300 K
Rated Voltage (V)	240
Dimension*	220x145x150mm ± 10mm

POLAR CURVE



All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

AC LED DRIVER

The Heart Behind Every Light

18 Watts



CRI: ≥0.97

THD: <10 %

Driver Efficiency: ≥88%

Surge: upto 6kv internal

440V protection
for up to 8 hours

IP66 Potted Drivers

Operating Frequency
50/60 Hz

FEATURES

- Suitable for dry and wet locations
- Extremely compact dimensions for flexible usage
- Compliance with safety standard IS 15885 Part 2 sec 13 and EMC standards IEC 61547
- Compatible with various controller brands
- Protection against: Short circuit, LED Open voltage, Over voltage, Over temperature protection

AC LED DRIVERS

18W-45W

Applications

- LED Street Lighting
- Industrial Lighting
- Stadium Lighting
- Campus Lighting
- Indoor Lighting
- Ware House Lighting


18-30V


33-54V


60-80V


22-30V


36-54V


55-80V


40-56V


60-80V


22-30V


36-54V


55-80V


36-56V


60-80V


36-56V


60-75V


75-105V


110-150V


40-56V



SPECIFICATIONS

Product Code	Voltage(V)	Watt(W)	Current(mA)	Input Power(W)	Dimension With Casing (mm)
NES-DAC-18 1830	18-30V	18	600-800	12-24	90X45X35
NES-DAC-18 3354	33-54V	18	300-500	12-24	90X45X35
NES-DAC-18 6080	60-80V	18	200-350	12-24	90X45X35
NES-DAC-35 2230	22-30V	35	500-1000	12-35	90X45X35
NES-DAC-35 3654	36-54V	35	600-1000	12-35	90X45X35
NES-DAC-35 5580	55-80V	35	180-400	12-35	90X45X35
NES-DAC-45 4056	40-56V	45	600-800	35-48	105X55X40
NES-DAC-45 6080	60-80V	45	400-600	35-48	105X55X40
NES-DAC-60 2742	22-30V	60	1200-1400	45-65	135×76×40
NES-DAC-60 4560	36-54V	60	900-1100	45-65	135X76X40
NES-DAC-60 6080	55-80V	60	600-800	45-65	135X76X40
NES-DAC-80 3656	36-56V	80	1000-1500	65-80	135X76X40
NES-DAC-80 6080	60-80V	80	600-1000	65-80	135X76X40
NES-DAC-120 3656	36-56V	120	1600-2100	70-125	165X70X45
NES-DAC-120 6075	60-75V	120	1200-1500	70-125	165X70X45
NES-DAC-120 75105	75-105V	120	600-950	70-125	165X70X45
NES-DAC-120 110150	110-150V	120	500-750	70-125	165X70X45
NES-DAC-120 4560	40-56V	200	2800-3300	150-200	160X80X39

Available in Plastic, MS, or Aluminium Extrusion casing PF: ≥0.97

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

AC DIMMABLE DRIVER
18W

Applications

- LED Street Lighting
- Industrial Lighting
- Stadium Lighting
- Campus Lighting
- Indoor Lighting
- Ware House Lighting


22-30V


36-54V


55-80V


36-56V


60-80V


36-56V


60-75V


75-105V


110-150V



SPECIFICATIONS

Product Code	Voltage(V)	Watt(W)	Current(mA)	Input Power(W)	Dimension With Casing (mm)
NES-DAC-60 2742	22-30	60	1200-1400	45-65	100X65X35
NES-DAC-60 4560	36-54	60	900-1100	45-65	100X65X35
NES-DAC-60 6080	55-80	60	600-800	45-65	100X65X35
NES-DAC-80 3656	36-56	80	1000-1500	65-80	105X70X40
NES-DAC-80 6080	60-80	80	600-1000	65-80	105X70X40
NES-DAC-120 3656	36-56	120	1600-2100	70-125	140X63X40
NES-DAC-120 6075	60-75	120	1200-1500	70-125	140X63X40
NES-DAC-120 75105	75-105	120	600-950	70-125	140X63X40
NES-DAC-120 110150	110-150	120	500-750	70-125	140X63X40

Available in Plastic, MS, or Aluminium Extrusion casing PF: ≥0.95

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

DC DRIVER

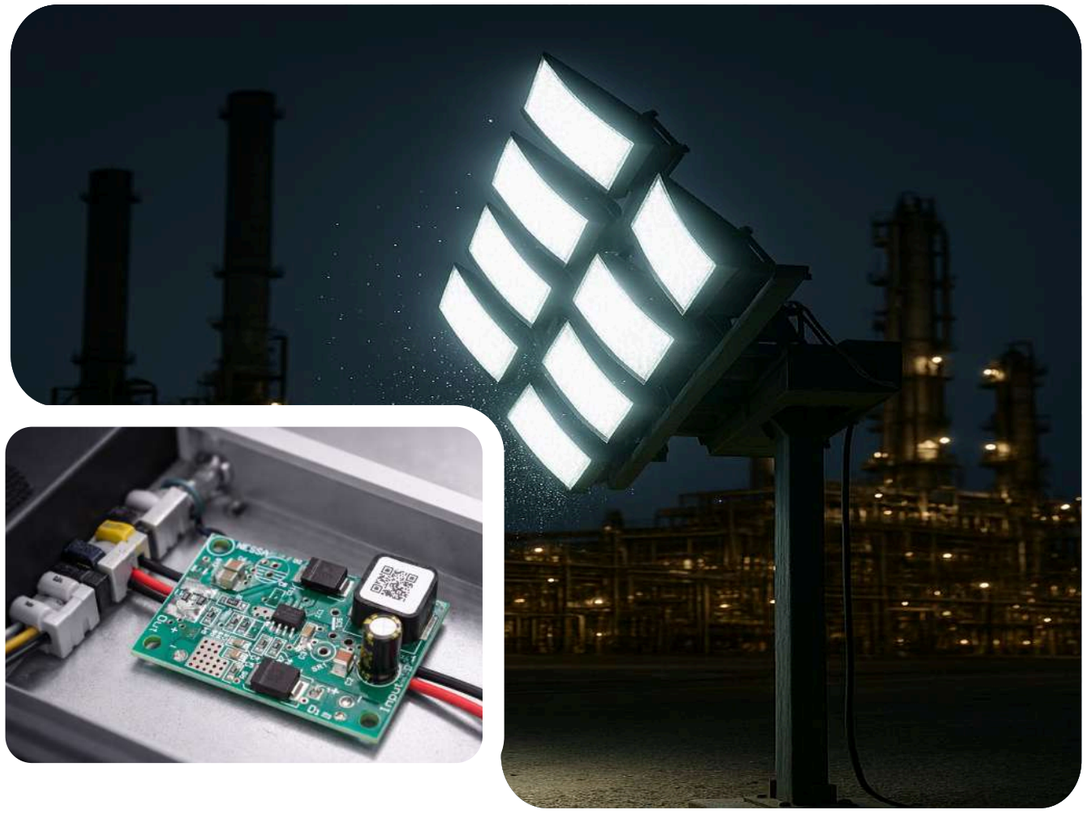
Keeping every light steady

15 Watts



FEATURES

- 12V / 24V — Output Range 12 V / 24 V
- Protection against Over voltage, Open Voltage, Short circuit
- Available in plastic or MS casing Compact design for easy mounting
- Engineered for all weather reliability



DC DRIVER

15W-30W

Applications

- Solar Street Light
- Solar Flood Light
- Solar Flood Light



18-36V



18-36V



27-36V

SPECIFICATIONS

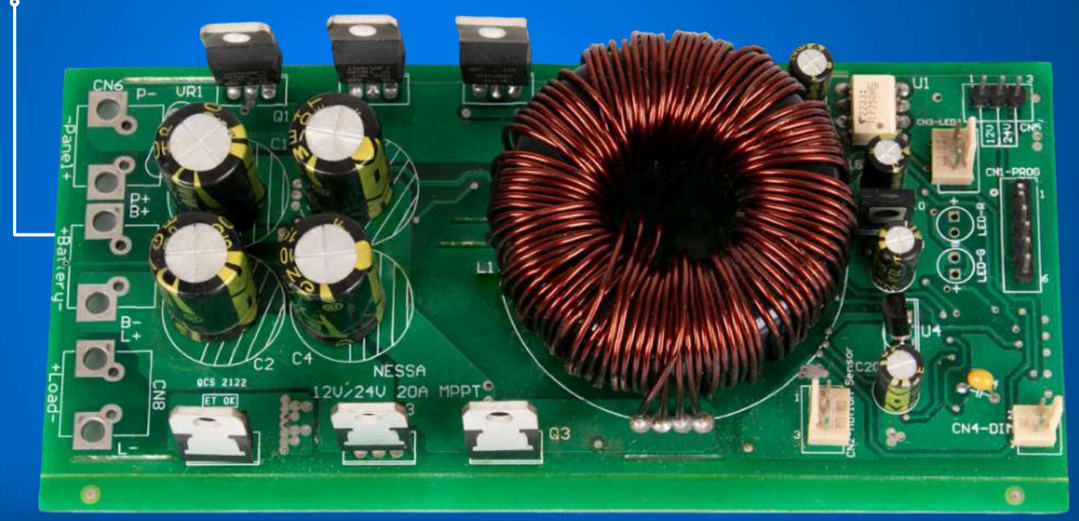
Product Code	Voltage(V)	Watt(W)	Current(mA)	Input Power(W)	Dimension Without Casing (mm)
NES-DDC-15 1836	18-36	15	350-700	15 Maximum	45X30X17
NES-DDC-30 1836	18-36	30	700-1400	30 Maximurn	55X55X10
NES-DDC-25 2736	27-36	25	350-700	25 Maximum	45X30X17

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

CHARGE CONTROLLERS

Smarter control for every solar setup

Upto 300 Watts



FEATURES

- Intelligent monsoon dimming
- Battery level indicator with efficient charging
- Compatible with any branded DC driver
- Protection against Reverse Battery, Reverse Panel, Output short circuit, Battery Over Voltage and Low Battery

CHARGE CONTROLLERS

18-36V

Applications

- Solar Street Light
- Solar Flood Light
- Solar High-Mast Lighting
- Other Outdoor Lighting Applications


18-36V


18-36V


18-36V


18-36V


18-36V


18-36V


18-36V

SPECIFICATIONS

Product Type	Product Code	Voltage(V)	Current(mA)	Input Power(W)	Input Voltage	Solar Panel	Dimension Without Casing (mm)
MPPT	NES-SCC-15	12-24	10-20	Up to 300	12/24	300W	145x65x30 mm
MPPT COMBO	NES-SCON-15-1836M	18-36	350-700	6-15	12	75/80W	85x65x30 mm
PWM	NES-SCC-10	18-36	10-20	-	12/24 & 10	12V 150W & 24V 300W	80X65X30 mm
PWM COMBO	NES-SCC-15	18-36	10-20	-	12/24 & 15	12V 200W & 24V 4000W	80X65X30 mm
PWM COMBO	NES-SCON-15-1836P	18-36	350-700	6-15	12	60W	70X40X30 mm
PWM COMBO	NES-SCON-18-1836P	18-36	350-700	15-18	12	75/80W	70X40X30 mm
PWM COMBO	NES-SCON-25-1836P	18-36	500-1000	18-25	12	100W	88X60X30 mm
PWM COMBO	NES-SCON-30-1836P	12V-24	500-1400	25-30	12	120W	88X60X30 mm

Potting adaptable as per project requirements. | Dimming mode available as standard feature.

All product specifications and information are for reference only and may change without prior notice.
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SURGE PROTECTION DEVICE

Your circuit's first line of defence

10kV



Protection Rating
≥ IP65

Safety Standards
IEC 61643-11
IEC 61000-4

Potting Available

APPLICATION

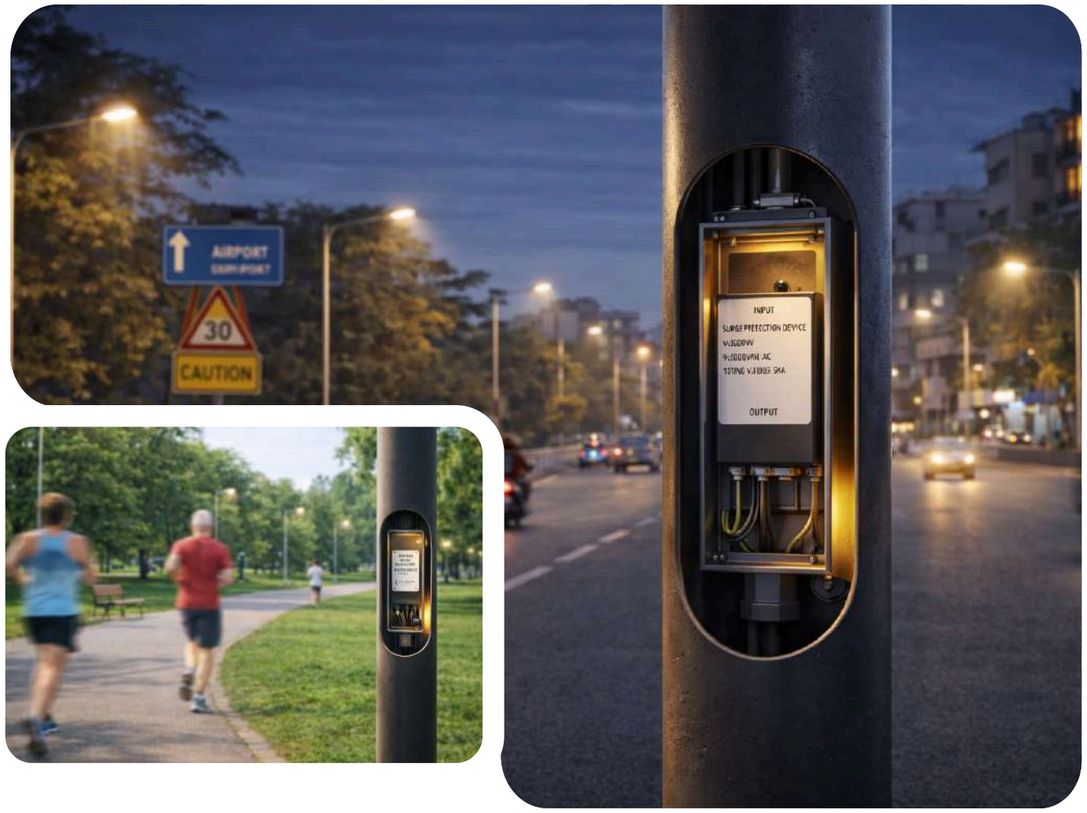
Protect electrical systems

Sensitive equipment from voltage spikes

FEATURES

Withstands any surge having a time period of 8×20 mSec up to 10kA.

Full protection between Phase and Earth, Phase and Neutral, and Neutral and Earth.



SURGE PROTECTION DEVICE

10kV–20kV



10kV



20kV

SPECIFICATIONS

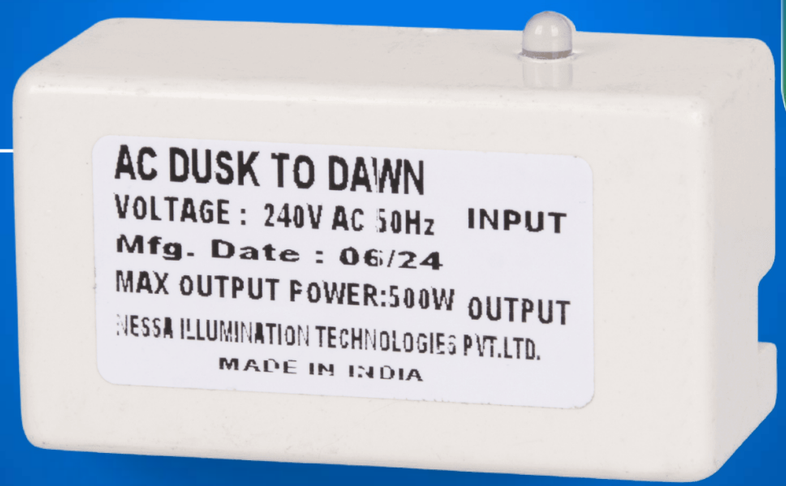
Model Name	Voltage Range	Input Voltage
NES-SP-10	10kV	230V AC
NES-SP-20	20kV	230V AC

All product specifications and information are for reference only and may change without prior notice.
Please contact our sales team for the latest product datasheet and detailed diagrams

DUSK TO DAWN SENSOR

Smart automation for day-to-night lighting

230V AC



Potting
As per requirement

Dimming Mode
Available

SPECIFICATION

Mdel Name	Input Voltage	Dimension
NES-DAC-D2D	230V AC	73 × 40 × 30 mm

APPLICATION

Turn lights on at dusk

Turn lights off at dawn

FEATURES

- Energy efficiency
- Low maintenance operation
- Compact size
- Easy installation
- Enhances safety

MOTION SENSOR

Moves when you move

100-300V



IP Rating
≥ IP65

Surge Protection
Up to 4kV

SPECIFICATION

Input Range	Operating frequency	Maximum Height	Maximum Power
100-300v	50 ± 3% Hz	12M	200W

APPLICATION

Automatically turns lights on when motion is detected and off when it isn't.

Improves Convenience

Enhances Security

Boosts Energy Efficiency

FEATURES

- Only dimming after some time
- Only dusk to down
- Dusk to down with dimming after some time
- Only motion based On-off,
- Motion based Dimming
- Dusk to down with motion based On-off after some time,
- Dusk to down with motion based dimming after some Time

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lighting up miracles...

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