



The Vision for the better future.....

IOT

About Us:

INOT Power Technologies Pvt. Ltd, the company that strives to focus on energy saving, by adopting the sustainable development goals, to make the World a better place to live in.

INOT is into manufacturing LED lamps branded as i-Ray for both Industrial and Domestic Sectors. To bridge the gap between the power supply and demand in India, we have identified an innovative solution to reduce the power consumption by identifying the areas of power misuse. We are proud to introduce our unique technology i-Saver that brought us ahead with our patents applied for Street Light Efficient Management System along with our Trade mark i-Ray



Our Team INOT drives the vision into reality with its extremely novel ideas and skills. Our talented team relentlessly working towards Resarch Development, Production, Marketng, Business Management and Execution.



“Best Start-ups generally come from somebody needing to scratch An Itch.” — Michael Arrington

Vision

To bridge the gap between energy demand and supply by focusing primarily on power misuse and thereby reduce carbon footprint, for a better planet.



Mission

Our mission is to deliver our products to each and every doorstep in India and to build, protect and enhance the concepts of preserving energy.



Values

It is an old truism: employees do not turn to written statements on the company intranet for clues about how to behave—they look to each other. At iNOT its employees are guided by a set of values that inspire everyone to align their actions around a common set of principles. This taps into the innate qualities that exist across mankind: human virtues.



Care for Resources

We are extremely concerned about our country's resources which are fading away day by day. We are on toes to provide the best solution to protect our environment all the time.



Team Work

We share information, provide support, and model behaviors that create a positive workplace – and encourage others to do the same. Demonstrating a “can-do” attitude and fostering a collaborative and mutually supportive environment is always exhibited.



Research & Development

Innovation is the hallmark of iNOT Power Technologies. New ideas, inventions deepen scientific knowledge and give its work force a new impetus towards technical progress. iNOT Power Technologies strengths and its endeavour towards continuous research & development elevated the concepts of customer satisfaction. The centre closely cooperates with various departments to provide the best, even before the need is arised.



Passion

We are passionate about our business, our brand and our products. We enjoy the kind of work we are assigned to and strive to complete it with utmost love and passion.



Integrity

Our business and personal principles reflect the highest standards of ethics and integrity. We follow rules and procedures, are honest, keep our commitments, and continually give the best effort.



Accountability

Embrace the belief that all injuries are preventable and that achieving a healthy and safe environment starts with "me". We take personal accountability for our actions and results and focus on finding solutions and achieving results.



Responsibility

We express support for our company decisions and programs. We go ahead with a sense of urgency. We align our day-to-day tasks with overall company goals. We are willing to accept additional responsibilities, confront problems and achieve effective results always.



I Saver

Streetlights are important civic assets that consume approximately 40% of a municipality's energy budget. Streetlights typically run for an average of 2 hours a day at full intensity. Replacing existing streetlights with networked

LED luminaires enables the greatest energy savings – up to 60% from a combination of energy efficient LEDs, remote dimming and Constant Light Output.

FEATURES

Remote Lightning Management

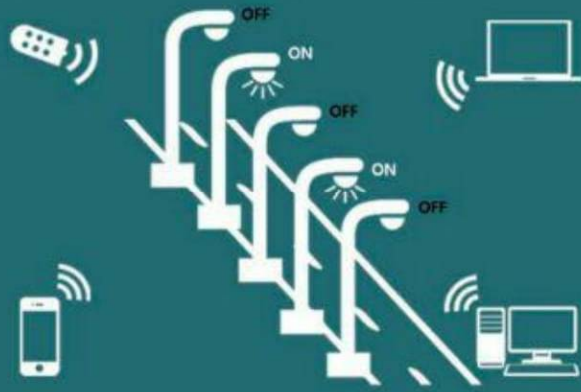


Our solution enables control of thousands of street lights from one Central Management System. It also provides detailed information from all street lights, which aids operations and greatly reduce maintenance costs, by removing the need for service visits and patrolling.



Individual Lamp Control

Control and manage each lamp individually, receive reports on its functioning and status as well.



Determination of Lamp Burnout

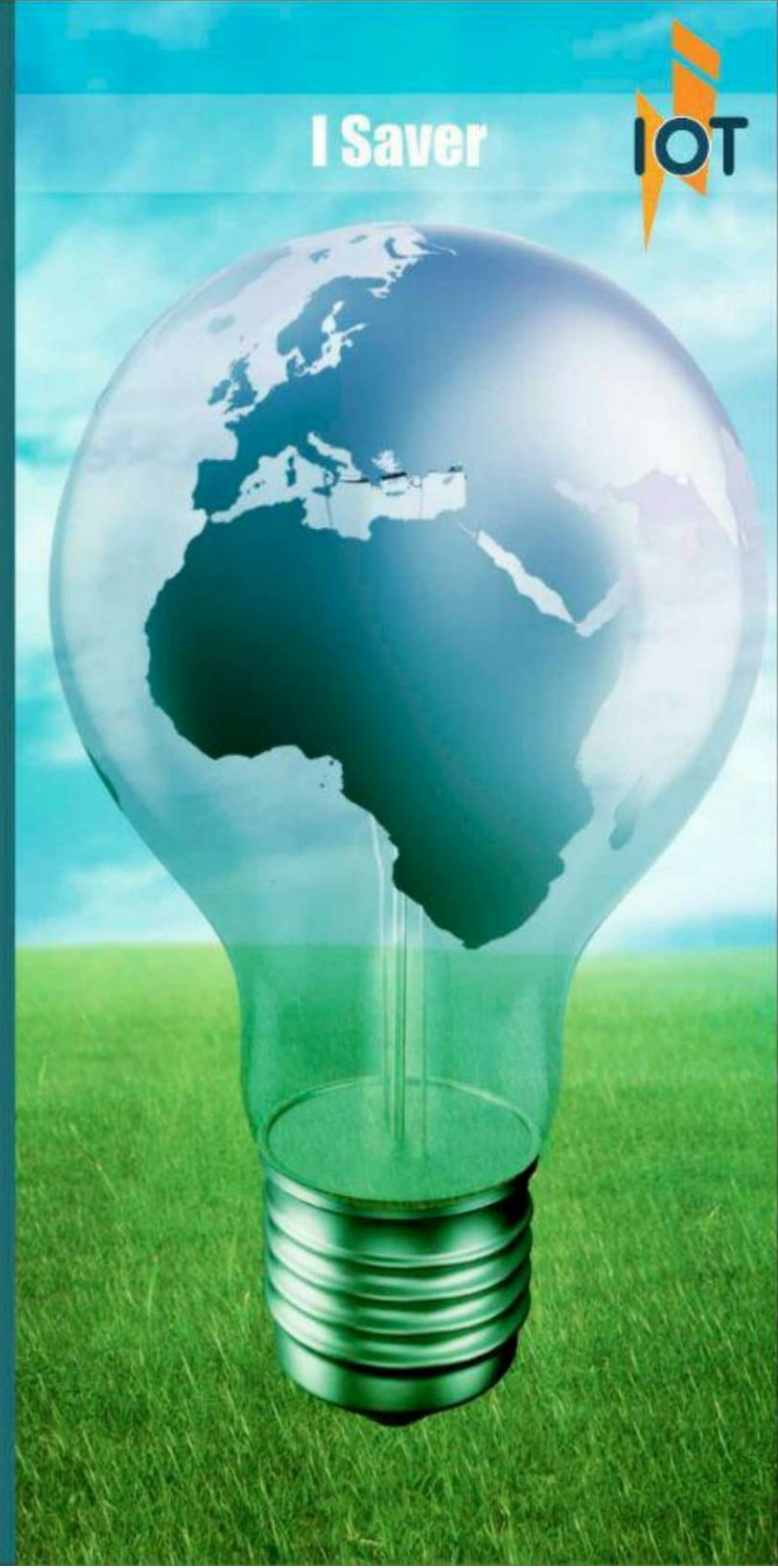
Immediately notifies the concerned authorities when a lamp burns out, so that, it can be replaced quickly without causing much inconvenience to the public.



Pre-detection of Lamp Failure

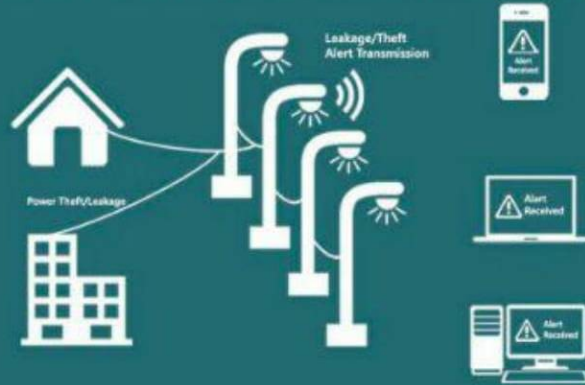
The system has an inbuilt feature that continuously monitors the LED's electrical parameters. This enables the system to pre-detect a lamp failure and notify the concerned authorities before hand, so that, a preventive action can be taken. This eliminates inconvenience to the public.

I Saver



Power Theft Detection

In India electricity theft leads to annual losses estimated at Rs. 5400 Crores, about 1.5% of GDP. Who are the losers? Honest consumers, poor people, and those without connections, who bear the burden of high tariffs, system inefficiencies, and inadequate and unreliable power supply.



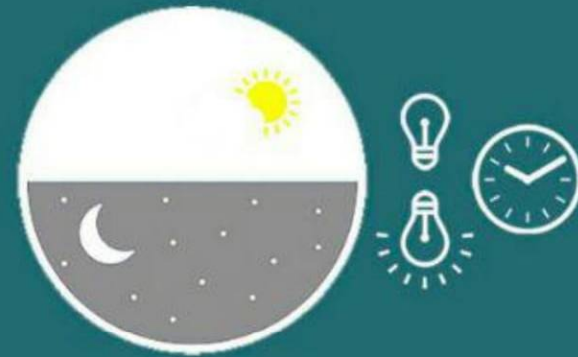
Fast Fault Detection

Alerts on changes in voltage or other electricity related problems are notified to the concerned authorities as and when they occur so that better quality of uninterrupted services can be provided.



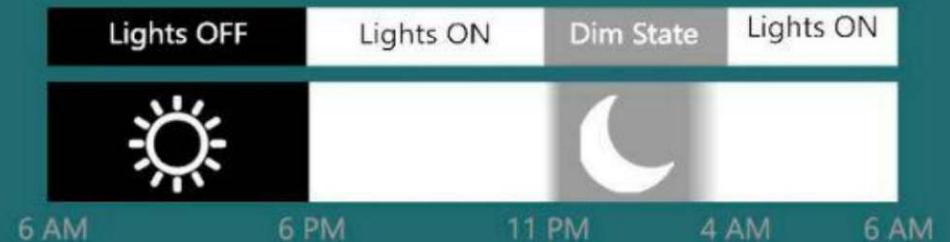
Precise Lighting Turn ON/OFF

The system has an inbuilt precision timer that switches the lights on/off precisely at the preset switching times. The switching times can be set according to the user needs or preset based on an astronomical clock. This precision system saves upto 10% power consumption annually.



Light Intensity Control (Dimming at Night)

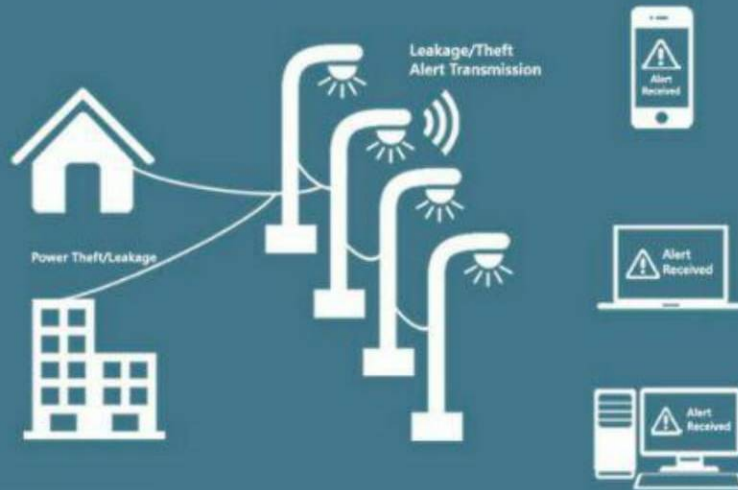
The system enables you to dim the lights according to certain situations or certain time span where full brightness is not needed. Usually between 1:00AM and 5:00AM when pedestrian traffic decreases significantly, full brightness is not needed, so dimming the lights saves power and reduces light pollution.



I Saver

Current Leakage Detection

The system continuously monitors the electrical parameters of the grid which enables detection of leakage current due to ageing/damaged insulation and leakage capacitance.



Schedules and Reports

Accurate reports of the complete system, electricity consumption statistics, and other data is given out in form of tables and graphs, allowing to successfully monitor the lightings in the city.



Our Products Range



Domestic Product Range



*Panels and
downlights*



*LED Surface
Luminaires*



*T8 Retrofit Tubes
and Fittings*



*i-ray*TM

i-ray™
LED Panel light

ULTRA SLIM SQUARE

3/6/9/12/15/18W

LIFE 50000hrs HIGH EFFICIENCY



Ultra modern, slim, compact & decorative round shape recess mounting downlighter comprising of high brightness LEDs.

FEATURES

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even in high ceiling areas
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV & IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI>75

Applications

- Shopping malls
- Restaurants
- Hotel lobbies / Waiting areas
- Modern gyms / Spa
- Corporate offices

Mounting

Fixing into false ceiling by SS springs/ clips provided as per instructions.



UNO DESIGN FAMILY

Wide wattage range for all applications in offices

High Glow product range is available in 3 sizes, with a lumen package ranging from 2500 upto 4500 lumens. With numerous highly efficient lighting distribution, the range can meet all your Open offices area, Meeting rooms and Break out areas lighting needs with the lowest investment.



HOUSING & FINISH DESIGN

Aluminium die-casting housing channel & aluminium sheet back cover white powder coated after phosphochromate treatment.

PC diffuser in opal finish for glare free uniform light distribution. Microstructured wave guide with dotted reflector.

Powered by a separate electronic driver (SMPS based constant current supply).



ENHANCED ELECTRICAL SAFETY

The new generation of LED luminaires have been designed with enhanced safety features for better luminaire life and low maintenance. The drivers are equipped with high voltage cut off function so that the luminaires cuts off while high voltage is applied, also 5kV internal surge protection within the driver and 10kV external surge protection external to driver is provided for additional safety against high surge. Reverse polarity ensures trouble free connections even if there is any human error involved while connecting the luminaires.

i-ray™
LED Panel light

ULTRA SLIM ROUND

3/6/9/12/15/18W

LIFE 50000hrs HIGH EFFICIENCY



Ultra modern, slim, compact & decorative round shape recess mounting downlighter comprising of high brightness LEDs.

FEATURES

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even in high ceiling areas
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ENHANCED ELECTRICAL SAFETY

The new generation of LED luminaires have been designed with enhanced safety features for better luminaire life and low maintenance. The drivers are equipped with 5KV external surge protection external to driver is provided for additional safety against high surge. Reverse polarity ensures trouble free connections even if there is any human error involved while connecting the luminaires.

LED PANEL LIGHT

Ultra slim panel light, available in different standardized sizes, compatible for replacing.

Round

Size(mm)	Ø85	Ø120	Ø150	Ø170	Ø190	Ø223
Power	3W	6W	9W	12W	15W	18W

Square

Size(mm)	85*85	120*120	150*150	170*170	197*197	225*225
Power	3W	6W	9W	12W	15W	18W



Type						
Product code	ICCLES03	ICCLES06	ICCLES09	ICCLES12	ICCLES15	ICCLES18
Input Voltage	140-265V AC					
Output Wattage	3W	6W	9W	12W	15W	18W
Power Factor	0.95					
Frequency	50/60 Hz					
THD	<15%					
Driver Efficiency	>85%					
LED Make	NICHIA/EVERLITE					
Lumens	300	600	900	1200	1500	1800
CCT	2700K – 6500K					
CRI	80					
Working Temp	-10° C to +55° C					
IP Rating	IP20					
Housing Material	LM6 Grade Aluminum					
Product Finish	Powder coted					
Protection	4KV					

i-rayTM LED Panel light

High performance
versatile
built to last



High Glow Panel Light is a beautifully designed luminaire which is bound to delight the occupants with refreshing and comfortable experience through its pure form and glare-free light. It comes in two versions - standard and high efficiency version. With upto 50%* energy savings and maintenance free operation, this product is an owner's delight.

FEATURES

- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even in high ceiling areas
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV & IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Excellent CRI>75

Applications

- Shopping malls
- Restaurants
- Hotel lobbies / Waiting areas
- Modern gyms / Spa
- Corporate offices

Mounting

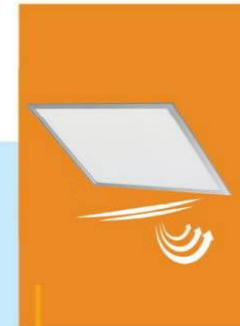
Fixing into false ceiling by SS springs/ clips provided as per instructions.



UNO DESIGN FAMILY

Wide wattage range for all applications in offices

High Glow product range is available in 3 sizes, with a lumen package ranging from 2500 upto 4500 lumens. With numerous highly efficient lighting distribution, the range can meet all your Open offices area, Meeting rooms and Break out areas lighting needs with the lowest investment.



HOUSING & FINISH DESIGN

Aluminium die-casting housing channel & aluminium sheet back cover white powder coated after phosphochromate treatment.

PC diffuser in opal finish for glare free uniform light distribution. Microstructured wave guide with dotted reflector.

Powered by a separate electronic driver (SMPS based constant current supply).



ENHANCED ELECTRICAL SAFETY

The new generation of LED luminaires have been designed with enhanced safety features for better luminaire life and low maintenance. The drivers are equipped with 5KV external surge protection external to driver is provided for additional safety against high surge. Reverse polarity ensures trouble free connections even if there is any human error involved while connecting the luminaires.

Technical specifications



HIGH GLOW 2*2 PANEL LIGHTS



HIGH GLOW 1*2 PANEL LIGHTS



HIGH GLOW 1*1 PANEL LIGHTS

Type			
Product code	ICCL24-SQ01	ICCL30-RA01	ICCL36-SQ01
Input Voltage	140-265V AC		
Output Wattage	24W	30W	36W
Power Factor	0.95		
Frequency	50/60 Hz		
THD	<15%		
Driver Efficiency	>85%		
LED Make	NICHIA/EVERLITE		
Lumens	2400	3000	3600
CCT	2700K – 6500K		
CRI	80		
Working Temp	-10° C to +55° C		
IP Rating	IP20		
Housing Material	LM6 Grade Aluminum		
Product Finish	Powder coated		
Fixture Dimensions(LxW) in mm	300x300	300X600	600X600
Protection	5KV		



Applications

 Open office

i-rayTM
LED Tube Light

ULTRA SLIM

10/18/30W

LIFE 30000hrs HIGH EFFICIENCY



Environmental friendly energy efficient ready to use, decorative shock proof ultra slim square profile linear LED lighting fixture provides excellent light for display cases, show cases, residences and under-shelf application also.

FEATURES

- Better lumens and longer lamp life
- High efficacy & lower power consumption
- Delivers high brightness & excellent illumination even in high ceiling areas
- Extraordinary long life of LED's (over 50,000 burning hrs.) & long life of high end electronic driver (over 30,000 burning hrs.) ensures zero maintenance
- No UV or IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures

Applications

- Residences
- Showrooms
- Cove lighting
- Hospital premises
- Educational institutions
- Corridors

Mounting

Can be fixed directly into the wall/ ceiling by means of mounting SS clips provided with the fixture.



UNO DESIGN FAMILY

Wide wattage range for all applications in offices

High Glow product range is available in 3 sizes, with a lumen package ranging from 1000 upto 3000 lumens. With numerous highly efficient lighting distribution, the range can meet all your Open offices area, Meeting rooms and Break out areas lighting needs with the lowest investment.



HOUSING & FINISH DESIGN

Made of ultra slim square profile extruded ABS channels and decorative end caps in white finish.

High quality extruded poly carbonate reeded diffuser in square profile and opal finish for glare free light distribution.

High efficiency long life LED with Ra>75 and lumen efficacy of 100 lm/W with viewing angle of 120°.

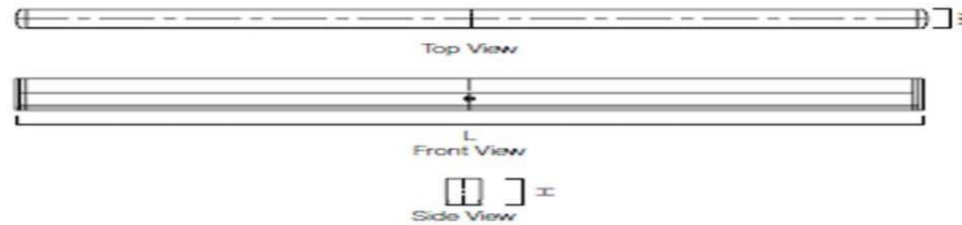


ENHANCED ELECTRICAL SAFETY

The new generation of LED luminaires have been designed with enhanced safety features for better luminaire life and low maintenance. The drivers are equipped with 2KV Internal surge protection external to driver is provided for additional safety against high surge. Reverse polarity ensures trouble free connections even if there is any human error involved while connecting the luminaires.

Product Code	Wattage	Input Voltage	Lumens	Power Factor	Colour Temp. (CCT)	System Luminous Efficacy Lm/ W
ICTLIF10-4L01	10W	140 - 265V AC	1000	≥ 0.95	6000K	≥ 80
ICTLIF18-4L01	18W	140 - 265V AC	1800	≥ 0.95	6000K	≥ 80
ICTLIF30-4L01	30W	140 - 265V AC	3000	≥ 0.95	6000K	≥ 80

Technical Drawing



System Power	Length (L)	Width (W)	Height (H)	Cable Entry	No. of LED
10W	1200 \pm 2	22 \pm 1	37 \pm 1	Eccentric	24
18W	1200 \pm 2	22 \pm 1	37 \pm 1	At Centre	50
30W	1200 \pm 2	22 \pm 1	37 \pm 1	At Centre	99

All dimensions are in mm



[i-ray™] SUPER BRIGHT BULB
LED Bulb

3/5/7/9/12/15/18W

LIFE 30000hrs HIGH EFFICIENCY



This economical option for CFL/incandescent lamp uses a new technology of plastic aluminium thermal management which offers long life with maximum efficiency. Additionally the design of the shell cover is such that it provides omni-directional lighting effect for your interior spaces.

FEATURES

- elegant & traditional look
- lower consumption and energy saving
- replacement for CFL lamp
- omni directional illumination

Applications

- offices
- malls
- showrooms
- residential

Technical Specification

Product code	ICBSPL03	ICBSPL05	ICBSPL07	ICBSPL09	ICBSPL12	ICBSPL15	ICBSPL18
Input Voltage	AC90-300V, 50Hz						
Output Wattage	03	05	07	09	12	15	18
Color Temperature	3000K to 6500k						
CRI	≥80						
Beam Angle	≥180, ≥220, ≥270						
Output Lumens	300	500	700	900	1200	1500	1800
Operating Temperature	-20° to 60°C						
Bulb Base	B22/E27						
Bulb Material	Plastic and Aluminum						

[i-ray™] 0.5 BULB LED 0.5 Bulb

0.5W-R/0.5W-B/0.5W-G

LIFE 30000hrs HIGH EFFICIENCY



A true replacement for the wrongly termed 'zero-Watt' bulb, which are usually in 10 to 15W range. Consuming a fraction of one watt, they provide significant power saving, especially when used in multiples, for decorative purpose in places where they remain lit for a long period of time

FEATURES

- Wide Operating voltage
- Very low Heating
- ECO Friendly

Applications

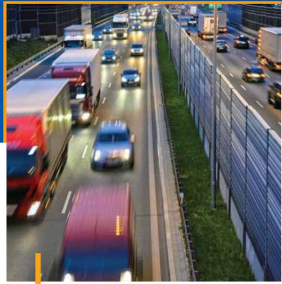
- Home
- Office
- Restaurants
- Testing Labs
- Decorations

Technical Specification

Product code	ICBSPL0.5-R	ICBSPL0.5-B	ICBSPL0.5-G
Input Voltage	AC90-300V, 50Hz		
Output Wattage	0.5		
Color Temperature	3000K to 6500k		
CRI	≥80		
Beam Angle	270°		
Operating Temperature	-20° to 60°C		
Bulb Base	B22/E27		
Bulb Material	Plastic and Aluminum		

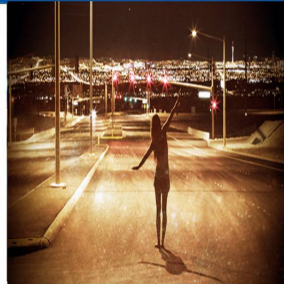
SAFE AND SUPERIOR

The city beams with pride, because of the warm glow of our LED streetlights, it makes the city seem majestic and truly special. The road and alleyways of the city and always paved with safety and one can walk them without fear



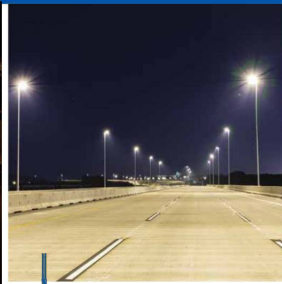
SAFETY FOR TRAFFIC

- More visibility for drivers, riders, and pedestrians
- Ensuring well-being in urban areas
- Artificially extending the hours with light so that activity can take place



SECURITY FOR CITIZENS

- Illuminated surroundings
- Feelings of safety
- Reduction in accidents
- Provide ability to orientate yourself



ENVIRONMENT FRIENDLY

- Dedicated lumen packages deliver energy savings of over 50%
- Reduction in CO₂ emissions
- Mercury free - reducing contamination

LIGHT WITHOUT POLLUTION



City the glows with warmth and a welcoming touch, it does not glare due to light pollution like so many others. Our LED streetlights minimizes glare, skyglow, clutter and light trespass, to enhance the health of residents, reduce harm to the environment and to decrease energy consumption.

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REDUCE ENERGY CONSUMPTION

- Directional light ensuring zero wastage of energy
- Directional light ensures light falling in areas where it is intended



PROTECT ECOSYSTEM & WILDLIFE

- Reducing insect swarming nuisance
- Saving life and maintaining ecological balance
- Lowering cleaning costs for development authorities



MAINTAINING CIRCADIAN RHYTHM

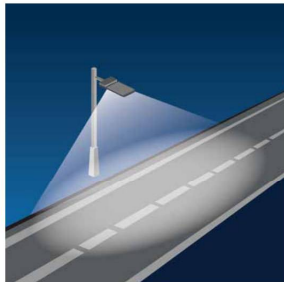
- Correct outdoor lighting ensures clear black sky thus maintaining circadian rhythm on nocturnal animals and plants.
- Reduction of ambient light levels in the sky makes the skies 'night friendly'

EFFICIENT OPTICAL CONTROL

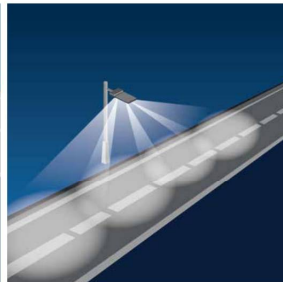
Luminosity is the light output from a lamp. A small lamp producing a lot of light results in greater brightness and consequent glare when looked at directly. LED Street Lighting on the other hand consist of multiple light producing points thus reducing glare, also with the right type of secondary optics we can get precise distribution.

Unique peanut optics with bat wing profile ensures high efficiency & light uniformity across and along the road.

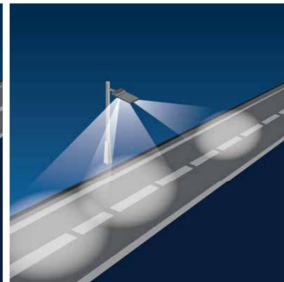
Since all the light is directed downward, there is therefore no need to use reflectors to direct light downward. The consequent loss in light output due to limitations on reflector efficiency is avoided.



Multi-layer Distribution with Peanut optics



Multiple spot with modules based LED street light offered by other Competition



Classification of roads

Street lighting recommendations for different road types and junctions

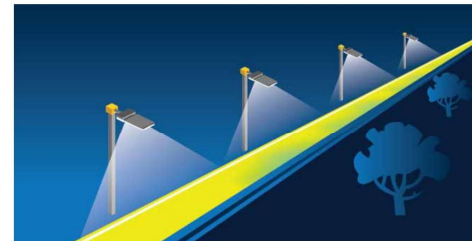
Classification of lighting installation	Type of road	Average Illuminance on road surface	Uniformity Ratio (Emin/Eav)	Transverse Uniformity (Emin/Emax)	Junction Type	Eav (Lux)	Emin/Eav (Lux)
Group A1	Important traffic routes carrying fast traffic	30	0.4	0.33	Key Junctions & complex flyover interchanges	50	0.4
Group A2	Other main roads carrying mixed traffic like main city streets, arterial roads and throughway roads	15	0.4	0.33			
Group B1	Secondary roads with considerable local traffic routes and shopping	8	0.3	0.2	Other smaller junctions	15	0.4
Group B2		Secondary roads with light traffic	4	0.3	0.2	Pedestrian crossings	50
					Bus bays	5	

Selection of LED street light luminaires

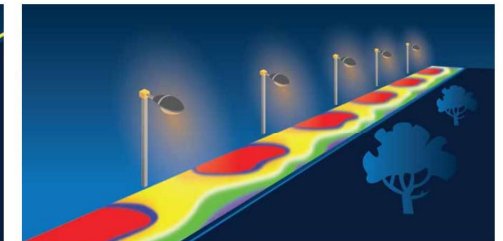
Against conventional equivalents to achieve HIGH energy savings

Road type	A1		A2		B1		B2	
Luminaire type	HPSV/400	<i>i-ray</i> LED	HPSV/250	<i>i-ray</i> LED	HPSV/150	<i>i-ray</i> LED	HPSV/70	<i>i-ray</i> LED
Wattage consumption	445W	210W	285W	120W	175W	72W	84W	36W
Delivered lumens	36765	22600	21800	12500	9300	7300	4600	3708
Pole distance	30	30	30	30	30	30	20	20
Mounting height	10	10	10	10	7	7	7	7
Overhang	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Average lux level achieved	38	40	20	22	14	16	10	12
Uniformity	0.40	0.55	0.45	0.50	0.25	0.53	0.45	0.70
Energy Savings		53%		58%		59%		57%

Lux level and uniformity



LED Luminaires



HPSV Luminaires

[i-ray™] ROCKET STREET LIGHT

12 to 40W
LIFE 50000hrs HIGH EFFICIENCY



Aerodynamic look enriches the aesthetics of street furniture offering higher standards of specifications and operations. Super fine die-casting mesh for effective heat dissipation offers longevity and its uniquely designed double convex elliptical lenses offer a wider beam angle stretching the spacing between the mounting columns. Its easy mounting bracket arrangement makes it compatible with the regular size of overhanging bracket.

FEATURES

- 100 Lm/W delivered.
- Increased savings to customer.
- Pressure die cast housing with toughened glass.
- Secondary optics for better light distribution.
- Driver protection against lightning, overvoltage, short-circuit.
- Top maintenance
 - Access to driver is from top.
- Ingress protection: IP66
- Impact resistance: IK07

APPLICATION

- City roads / highways
- Periphery / security lighting
- Industry and office campuses
- Parking areas, parks and gardens



UNO DESIGN FAMILY

Wide wattage range for all applications in a city

I-RAY product range is available in 5 sizes, with a lumen package ranging from 3600 upto 22000 lumens. With numerous highly efficient lighting distribution and various control options, the range can meet all your road and urban lighting needs with the lowest investment.



AERODYNAMIC DESIGN

To reduce wind resistance

The streetlights are designed in way so that the luminaire gets the least amount of aerodynamic drag or resistance resulting from wind intensity and direction thus improving wind load bearing capacity of the luminaire.



ENHANCED ELECTRICAL SAFETY

The new generation of LED luminaires have been designed with enhanced safety features for better luminaire life and low maintenance. The drivers are equipped with high voltage cut off function so that the luminaires cuts off while high voltage is applied, also 5kV internal surge protection within the driver and 10kV external surge protection external to driver is provided for additional safety against high surge. Reverse polarity ensures trouble free connections even if there is any human error involved while connecting the luminaires.

[i-ray™] SMD STREET LIGHT

45 to 210W

LIFE 50000hrs HIGH EFFICIENCY



I-RAY streetlights are a keen blend of versatility, durability, energy savings and high-temperature resistance. I-RAY literally gives the city its edge. The streets gleam with its excellence and warmth. It is a model citizen of the city, reducing light pollution by eliminating stray light.

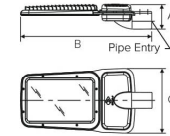
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- Impact resistance: IK07

APPLICATION

- City roads / highways
- Periphery / security lighting
- Industry and office campuses
- Parking areas, parks and gardens

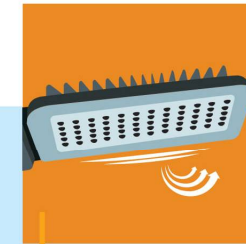
LINE DIAGRAM



UNO DESIGN FAMILY

Wide wattage range for all applications in a city

I-RAY product range is available in 5 sizes, with a lumen package ranging from 3600 upto 22000 lumens. With numerous highly efficient lighting distribution and various control options, the range can meet all your road and urban lighting needs with the lowest investment.



AERODYNAMIC DESIGN

To reduce wind resistance

The streetlights are designed in way so that the luminaire gets the least amount of aerodynamic drag or resistance resulting from wind intensity and direction thus improving wind load bearing capacity of the luminaire.



ENHANCED ELECTRICAL SAFETY

The new generation of LED luminaires have been designed with enhanced safety features for better luminaire life and low maintenance. The drivers are equipped with high voltage cut off function so that the luminaires cuts off while high voltage is applied, also 5kV internal surge protection within the driver and 10kV external surge protection external to driver is provided for additional safety against high surge. Reverse polarity ensures trouble free connections even if there is any human error involved while connecting the luminaires.

[i-ray™] LEAF STREET LIGHT

45 to 210W
LIFE 50000hrs HIGH EFFICIENCY



Aerodynamic look enriches the aesthetics of street furniture offering higher standards of specifications and operations. Super fine die-casting mesh for effective heat dissipation offers longevity and its uniquely designed double convex elliptical lenses offer a wider beam angle stretching the spacing between the mounting columns. Its easy mounting bracket arrangement makes it compatible with the regular size of overhanging bracket.

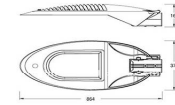
FEATURES

- 100 Lm/W delivered.
- Increased savings to customer.
- Pressure die cast housing with toughened glass.
- Secondary optics for better light distribution.
- Driver protection against lightning, overvoltage, short-circuit.
- Top maintenance
 - Access to driver is from top.
- Ingress protection: IP66
- Impact resistance: IK07

APPLICATION

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[i-ray™] CLASSIC SMD FLOOD LIGHT
LED FLOOD LIGHT

10/20/30/50/70/90W
LIFE 50000hrs HIGH EFFICIENCY



Presenting **i-ray** LED floodlight an ultra-modern, heat resistant and energy efficient area lighting solution that's taking the country by storm. With alluring looks, perfect heat dissipation and other advanced features, you can avail the best of every world. Ideal for billboards, monuments and general area lighting applications.



FEATURES

- Efficient heat sink design integrated in high pressure die cast aluminium housing IP65 protection
- Heat resistant toughened glass
- LED as per LM80

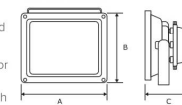
APPLICATION

- Lighting of small to medium sized billboards
- Parking areas around building / residential complexes
- Security lighting
- General area lighting
- Lighting of monuments

KEY BENEFIT

- Energy savings possibilities upto 70% compared to conventional Halogen flood
- Housing of high pressure die-cast aluminum designed to act as heat sink for efficient heat dissipation and painted in attractive black colour with textured finish
- Electrochemically brightened and anodized aluminum reflector
- Luminaires with mounting bracket with aiming adjustment
- Heat resistant toughened glass 'lighting window'
- Replacement for halogen lamps luminaires upto 1000W

LINE DIAGRAM



BLEND OF LOOKS & TECHNOLOGY



[i-ray™] CLASSIC COB FLOOD LIGHT
LED FLOOD LIGHT

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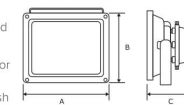
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BLEND OF LOOKS & TECHNOLOGY



[i-ray™] CLASSIC SMD FLOOD LIGHT
LED FLOOD LIGHT

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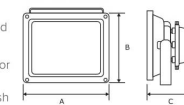
APPLICATION

- Lighting of small to large sized billboards
- Parking areas around building / residential complexes
- Security lighting
- General area lighting
- Lighting of monuments
- **Indoor and out door stadiums**
- High mast light at signal point

KEY BENEFIT

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- Electrochemically brightened and anodized aluminum reflector
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LINE DIAGRAM



BLEND OF LOOKS & TECHNOLOGY





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100/120/150/180/200/300W

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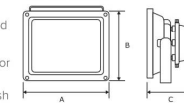
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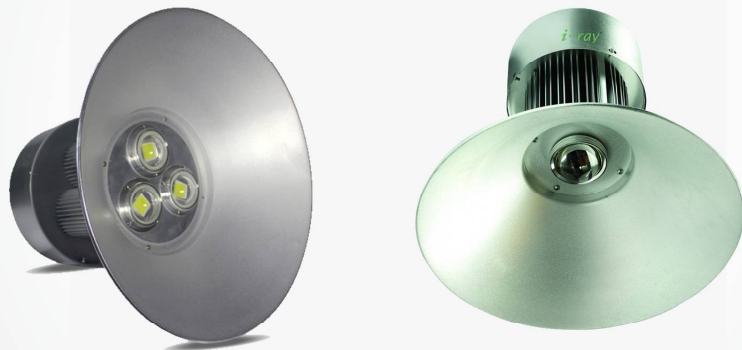
BLEND OF LOOKS & TECHNOLOGY



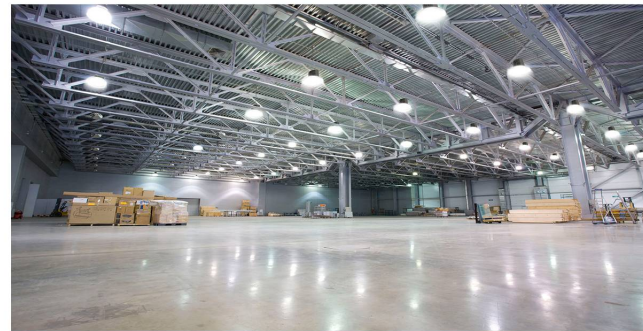
[i-ray™] COB Highbay Lights

50/100/150/200W

LIFE 50000hrs HIGH EFFICIENCY



What makes these lighting solutions perfect for industrial conditions is their enhanced thermal management, leading to longer life and enhanced product life cycle. with sleek design and better safety features, i-ray Highbays truly are the best of every world.



Features and Specifications

- System wattage: 80/100/120/150/200W
- Lumen pack: 8000/10000/12000/15000/20000 Lm (±5%)
- Luminaire efficacy: ≥100 Lm/W (±5%)
- Four stage electrical protection:
 - Over voltage protection
 - Under voltage protection
 - Short circuit and reverse polarity protection
 - Over temperature protection
- Life: 50000 Hrs.* @ L70
- Colour temperature: 5700K±300K
- Ingress protection: IP65
- Surge protection of internal 5kV and external 10kV

Applications

- Warehouses
- Manufacturing bays
- Factory sheds
- Indoor sports complexes
- Airport hangers

Construction

FV technology pressure die cast housing for better thermal management, which improves LED life and increases product Life cycle.

Option for visor

Secondary lens optics for better distribution and uniformity



Easy installation through suspension mounting

Separate control gear - die cast aluminium housing

Innovative design in terms of air gap between LED housing and driver compartment ensuring thermal management



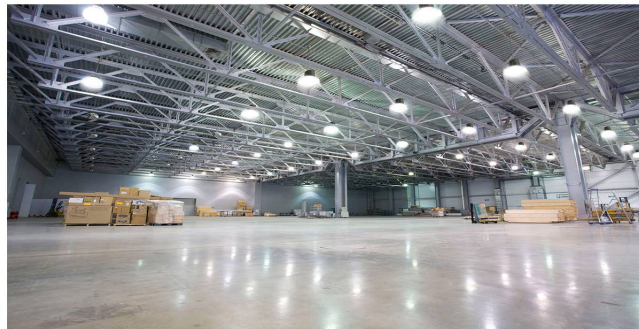
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40W WELL GLASS LIGHT

LIFE 50000hrs HIGH EFFICIENCY



Energy efficient, reliable and environment friendly LED based lighting solution for a direct replacement of conventional fixture. Cutting edge solution having the potential of saving energy greater than 60% without compromising on lighting level.

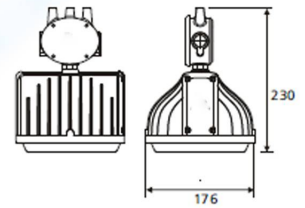


Features and Specifications

- Long lasting, fit & forget solution
- Rugged solution for Industries
- High impact resistant (IK08) & less glare
- Ease of installation
- Better aesthetics & ease of maintenance
- Dust tight & water tight design

Applications

- Industries
- Factories



i-ray™ 90W LOW BAY LIGHT LED LIGHTS



Blazing with advanced technology and superior design, each Blaze Highbay boasts the ability for focused lighting beam angles across a variety of applications. In addition to this, these Highbays ensure maximum savings and energy efficiency, reducing costs upto 60% against traditional fixtures.



Features and Specifications

- System wattage: 100/120/150/200W
- Lumen packages: 12000/14400/18000/24000 Lm
- Luminaire efficacy: ≥ 120 Lm/W
- Four stage electrical protection:
 - Over voltage protection
 - Under voltage protection
 - Short circuit and reverse polarity protection
 - Over temperature protection

Available in 100W, 120W, 150W, 200W

Applications

- Manufacturing bays
- Warehouses
- Indoor stadiums
- Airport hangers
- Railway concourse halls
- F and B facilities (PC diffuser)

Easy installation through I-bolt mounting

Specially designed pressure die-cast housing for better heat dissipation



Separate control gear - pressure die-cast aluminum IP65 protected potted driver compartment


Unique air vent between housing and driver compartment ensuring better thermal management


Secondary lens optics for better refraction



IOT

The Vision for the better future.....


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