



See the world in
a new **Light**



About RR Global

RR Global, a USD 1.25 billion conglomerate has moulded its success on innovation. Since the foundation of the brand, its architects opted that innovation is the key to success of every product in the brand. It was a really courageous decision because at that point in time categories like wires and cables were highly commoditized. This optimistic development led to the creation of a brand - RR Kabel, a name which is admired worldwide with existence over 90+ countries across the globe.

Presently the company is ranked amongst the top three retail wire manufacturers across the nation. It is also the largest consumer of copper in India, an achievement which no one would have imagined a cable and wire company to be capable of and that is the reason they are preferred by clients who are some of the largest copper manufacturer in the country.

RR Global takes honour in establishing 9 companies and global offices, primarily in the U.A.E and Bangladesh. In their endeavour to set international benchmarks, RR Kabel has received 19 international accreditations. They are the first in India to have BASEC (U.K.), UL (U.S.A.), VDE (Germany), among others for its wide range of cables including ISO 50001 and ISO 14001.

Across the course of four decades, their impulse towards innovation to achieve success and hard work steered them to earn phenomenal recognition with RR Kabel becoming the desired choice for wires and cables not only in India but also on a global platform.

RR Global India focusses on cutting edge technology and research to enhance efficiency, reliability, and safe conduction of electricity. This in turn supported the core of the company's engineering endeavour which is to guarantee safe environments everywhere- offices, commercial spaces, industrial plants, and residences.

COMFORT in a new light



"We bring to you an exceptional and extensive range of LED Lighting products to suit every requirement across Residential, Commercial, Institutional & Industrial sectors. The range spectrum spreads across Bulbs, Battens, Panels, Down-lighters, Floodlights, Streetlights, High-Bays. Each one is perfectly crafted to help you beautifully illuminate your home, office, or outdoor space."



LED Bulb

LED EMERGENCY BULB - AVIDITE

9W | 12W



- Overcharging and deep discharge protection
- Inbuilt charging circuit for battery
- Charging Time: 10 hrs (Full Charge)
- Emergency backup time - up to 3.5 to 4Hrs max.
- Battery type - Li-on, 3.7V, 2200 mAh



High Power backup



Eco-friendly



Uniform Light Distribution



Long Battery Life

APPLICATION



Hotels



Residential



Offices



Malls

Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen*
9W	70x140	120°	>0.95	900
12W	70x140	120°	>0.95	1150

* Lumen may vary as per colour.

LED HIGH BEAM 2 STAR BULB - AVIDITE Plus

5W | 8W | 10W | 12W | 15W | 19W



- High brightness
- Wide operating voltage
- No glare
- Non-dimmable

LED HIGH BEAM 2 STAR BULB - AVIDITE Plus

Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen*
5W	60x111	210°	>0.9	500
8W	60x111	210°	>0.9	800
10W	60x111	210°	>0.9	1000
12W	65x120	210°	>0.9	1200
15W	65x125	210°	>0.9	1500
19W	65x151	210°	>0.9	1900

* Lumen may vary as per colour.

LED HIGH BEAM 3 STAR BULB - AVIDITE DLX

Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen*
9W	60x111	210°	>0.9	945

APPLICATION



Hotels



Residential



Offices



Malls

LED CLASSIC BULB - AVIDITE

3 W | 5W | 7W | 9W | 12W | 14W | 18W | 23W



- High brightness
- Instant start
- Eco-friendly
- No glare
- Wide operating voltage
- Non dimmable

Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen*
3W	50x90	120°	0.9	315
5W	57x101	120°	0.9	525
7W	57x101	120°	0.9	735
9W	57x101	120°	0.9	945
12W	60x101	120°	0.9	1260
14W	65x122	120°	0.9	1470
18W	75x141	120°	0.9	1890
23W	80x154	120°	0.9	2415

APPLICATION



Hotels



Residential



Offices



Malls

LED NIGHT LAMP - AVIDITE

0.5 W



- Ultra bright SMD LED
- High lumen efficacy
- High stability, long life span
- Plug in type fitment

Input Power	Size(mm) ØxH	Beam Angle	Colour	Base
0.5W	45x70	270°	White	B-22
			Red	
			Yellow	
			Blue	
			Green	

MULTICOLOUR BULB - AVIDITE

0.5 W



- Ultra bright SMD LED
- High lumen efficacy
- High stability, long life span
- Plug in type fitment

Input Power	Size(mm) ØxH	Beam Angle	Colour	Base
0.5W	45x70	270°	CDL, NW	B-22
			WW	
			Red	
			Green	
			Blue, Pink	

LED PLUGGY BULB - AVIDITE

0.5 W



- Ultra bright SMD LED
- High lumen efficacy
- High stability, long life span

Input Power	Size(mm) ØxH	Beam Angle	Colour
0.5W	45x75	270°	White
			Red
			Yellow
			Blue
			Green
			Pink
			Orange

LED Tube Light



LED INTEGRATED TUBE LIGHT - SWANK / SWANK Plus

5W | 9W | 20W | 22W | 24W



- Efficient optical system for good quality lighting
- High brightness
- Eco friendly-mercury free
- Instant start
- Non dimmable
- Elegant design
- No uv/ir
- Wide operating voltage
- Easy installation (clamp based)
- IP20
- No glare

APPLICATION



Hotels



Residential



Offices



Malls

Product Name	Input Power	Size (mm)	Beam Angle	PF	Lumen @6500K*	Type
Swank	5W	300	120°	0.9	500	Plastic
Swank	9W	600	120°	0.9	900	Plastic
Swank	20W	1135	120°	0.9	2000	Plastic
Swank	22W	1135	120°	0.9	2200	Plastic
Swank	24W	1135	120°	0.9	2400	Plastic
Swank Plus	20W	1100	120°	0.9	2000	Plastic

* Lumen may vary as per colour.

ALUMINUM LED BATTEN LIGHT - SWANK

36W



- High brightness
- Wide operating voltage
- No glare
- IP20
- Eco-friendly
- Instant start
- Non dimmable
- Easy installation (clamp based)

Input Power	Size (mm)	Beam Angle	PF	Lumen @6500K*	Type
36W	1185	120°	≥0.9	3600	Aluminium

* Lumen may vary as per colour.

APPLICATION



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Residential



Offices



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LED Batten Light - SWANK

30W



- High brightness
- Wide operating voltage
- No glare
- IP20
- Eco-friendly
- Instant start
- Non dimmable
- Easy installation (clamp based)

Input Power	Size (mm)	Beam Angle	PF	Lumen @6500K*	Type
30W	1185	120°	≥0.9	3000	Plastic

* Lumen may vary as per colour.

APPLICATION



Hotels



Residential



Offices



Malls

LED COLOUR BATTEN LIGHT - SWANK Plus

20W



- High brightness
- Wide operating voltage
- No glare
- IP20
- Eco-friendly
- Instant start
- Non dimmable
- Easy installation (clamp based)

Input Power	Size (mm)	Beam Angle	PF	Lumen	Type	Colour
20W	1100	120°	≥0.9	NA	Plastic	Red, Blue Green, Pink

APPLICATION



Hotels



Residential



Offices



Malls



LED Down Light

RECESSED LED DOWNLIGHT - DEVIANT

3W | 5W | 7W



- No Glare
- Eco-friendly
- No UV/IR
- Wide Beam Angle

Product Name	Input Power	Operating Voltage Range	Power Factor	CRI	Lumen (lm)	Size- ØxH (mm)	Cut out Dia (mm)	Beam Angle
Deviant J	3W	100-300V AC -50Hz	>0.9	>80	210 lm* @6500K	78x31	Ø42	120°
Deviant S	5W	100-300V AC -50Hz	>0.9	>80	425 lm* @6500K	110x56	Ø72	120°
Deviant S	7W	100-300V AC -50Hz	>0.9	>80	595 lm* @6500K	110x56	Ø72	120°

• Color Available: Red, Green, Blue, Pink, WW, NW, CDL.

* Lumen may vary as per colour.

APPLICATION



Hotels



Residential



Offices



Malls

RECESSED JUNCTION BOX LED DOWNLIGHT - DEVIANT J

6W | 8W | 12W | 15W



- Fits perfectly in junction box & False low ceiling
- Easy installation
- Instant flicker free start
- Ideal for living room, bedroom, Hallway, small shops, kitchen, garage



High CRI



Only for
Indoor



Anti-Glare
Diffuser



Non-
Dimmable

APPLICATION



Hotels



Residential



Offices



Malls

Input Power	Operating Voltage Range	Lumen (lm)	COD (Ø) (mm)	Size-ØxH (mm) (with spring)	CRI	Beam Angle	PF	THD
6W	100_300V AC- 50Hz	600 lm* @6500K	46	90 x 66.5	80	120°	0.90	25%
8W	100_300V AC- 50Hz	800 lm* @6500K	46	90 x 66.5	80	120°	0.90	25%
12W	100_300V AC- 50Hz	1200 lm* @6500K	46	140 x 68	80	120°	0.90	25%
15W	100_300V AC- 50Hz	1500 lm* @6500K	46	140 x 68	80	120°	0.90	25%

• Color Available: Red, Green, Blue, Pink, WW, NW, CDL.

* Lumen may vary as per colour.

SURFACE CABINET LED DOWNLIGHT - MINTO

3W



- Ultra slim and sleek profile
- Uniform light throw, thus no dark spot
- Easy and secure installation with front Mount screws (caps provided)
- Ideal for cabinets, modular kitchens & showcases

Input Power	Operating Voltage Range	Working Temperature	Lumen (lm)	Size-ØxH (mm)	Beam Angle
3W	150-300V AC -50Hz	150-300V AC -50Hz	200 lm* @6500K	60x16.6	120°

• Color Available: Red, Green, Blue, Pink, WW, NW, CDL.

* Lumen may vary as per colour.

APPLICATION



Hotels



Residential



Offices



Malls

SWIVEL SPOTLIGHT - LIMPIAR

3W | 6W | 9W | 12W



- Long Life 25,000 hrs[#]
- Sharp Beam Angle
- Adjustable

APPLICATION



Wardrobes



Shelf Lighting



Furniture lighting



Hotels



Malls



Modern Gym

Input Power	Operating Voltage Range	Lumen (lm)	COD (mm)	Size- ØxH (mm)	Material	Beam Angle
3W	100_300V AC- 50Hz	240lm* @6500K 225lm* @4000K 210lm* @3000K	54	75x44	PC	120°
6W	100_300V AC- 50Hz	540lm* @6500K 510 lm* @4000K 480lm* @3000K	67	95x48	PC	120°
9W	100_300V AC- 50Hz	810lm* @6500K 765lm* @4000K 720lm* @3000K	88	117x52	PC	120°
12W	100_300V AC- 50Hz	1080lm* @6500K 1020lm* @4000K 960lm* @3000K	112	140x55	PC	120°

* Lumen may vary as per colour.

- Color Available: WW, NW, CDL.

[#] At 25°C (32°C)

LED RECESSED ROUND SPOT LIGHT - LIMPIAR S

2W



- High brightness
- Instant start
- Non dimmable
- Long life upto 50,000hrs

Input Power	Operating Voltage Range	Lumen (lm)	COD (Ø) (mm)	Size- ØxH (mm)	Material	Beam Angle
2W	100~300V AC-50Hz	140 lm*	33	39x16	PC	60°

• Color Available: Red, Green, Blue, WW, NW, CDL.

* Lumen may vary as per colour.

APPLICATION



Wardrobes



Shelf Lighting



Furniture lighting



Hotels



Malls



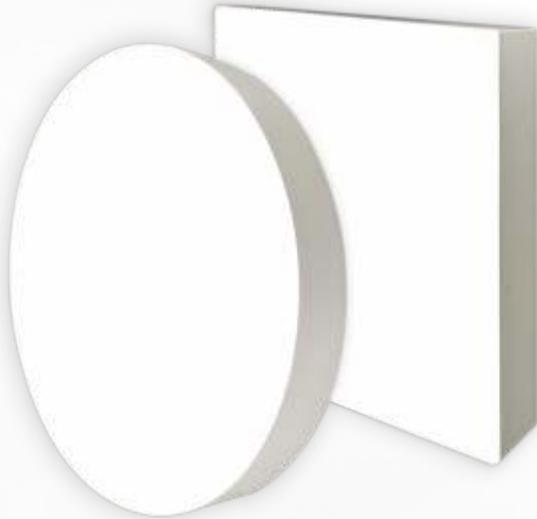
Modern Gym



LED Panel Light

FRAMELESS SURFACE PANEL - ARDENT

6W | 12W | 15W | 18W | 24W



- Unique zero bezel design for premiumness.
- 2835 type chip for high brightness, low decay, flicker free uniform and bright light.
- Environment friendly: no IR and UV radiation, no mercury and hazardous substance.
- Frosty diffuser for effecting angle of refraction for better illumination.

Input Power	Operating Voltage Range	Lumen (lm)	Size-ØxH (mm)	Beam Angle
6W	100-300V AC -50Hz	480 lm* @6500K	90 x 25	120°
12W	100-300V AC -50Hz	960 lm* @6500K	120 x 25	120°
15W	100-300V AC -50Hz	1200 lm* @6500K	156 x 25	120°
18W	100-300V AC -50Hz	1440 lm* @6500K	156 x 25	120°
24W	100-300V AC -50Hz	1920 lm* @6500K	190 x 25	120°

• Color Available: WW, NW, CDL.

* Lumen may vary as per colour.

APPLICATION



Hotels



Residential



Offices



Malls

LED INTEGRATED PLASTIC PANEL - SPRUZZO

5W | 8W | 12W | 15W | 20W



- Durable thermally conductive plastic housing.
- Eye protection provided by acrylic diffuser.
- Protection against - open circuit voltage, short circuit voltage.
- Wide beam angle, no flickering, soft light design to protect your eyes.
- Inbuilt LED driver.
- Space saving design.
- High lumen efficacy.
- 3.0 KV surge protected.

Input Power	CCT	Lumen* (lm)	Size-LxH (mm)	COD (mm)	PF	CRI
5W	3000-6500K	350	82x36	60	>0.9	> 80
8W [#]	3000-6500K	640	116x36	96	>0.9	> 80
12W [#]	3000-6500K	1200	166x36	145	>0.9	> 80
15W [#]	3000-6500K	1500	166x36	145	>0.9	> 80
20W [#]	3000-6500K	1900	220x36	201	>0.9	> 80

APPLICATION



Hotels



Residential



Offices



Malls

[#] To convert to surface panel, Ring also available for 8W, 12W, 15W and 20W Spruzzo Panel

* Lumen may vary as per colour.

LED SLIM PANEL LIGHT - ZUIVER

6W | 12W | 15W | 18W



- Durable thermally conductive plastic housing.
- Inbuilt led driver.
- Eye protection provided by acrlayic diffuser.
- Space saving design.
- Ultra slim construction.
- 3.0 KV surge protected.
- Protection against - open circuit voltage, short circuit voltage.
- Wide beam angle, no flickering, soft light design to protect your eyes.

Input Power	Size(mm) LXWxH	COD	PF	CCT	CRI	Lumen* @6500K
6W	120x120x27	104	>0.9	3000 - 6500K	>80	390
12W	174x174x27	154	>0.9	3000 - 6500K	>80	840
15W	225x225x27	205	>0.9	3000 - 6500K	>80	1050
18W	225x225x27	205	>0.9	3000 - 6500K	>80	1260

* Lumen may vary as per colour.

APPLICATION



Hotels



Residential



Offices



Malls

LED SLIM PANEL LIGHT - RAVISH

3W | 6W | 9W | 12W | 15W | 18W



- Pressure die cast aluminium alloy housing for effective thermal management.
- More than 90% power factor HPF, 80% energy saving with low power consumption.
- Wide beam angle, no flickering.
- Environmentally friendly, no interference, no hazardous substances.
- Eye protection provided by acrylic diffuser.
- Ultra slim construction.
- Protection against - open circuit voltage, short circuit voltage.
- Space saving design.
- 3.0 KV surge protected.

Input Power	Size(mm) LxWxH	COD	Beam Angle	PF	CCT	CRI	Lumen @6500K
3W	85x85x20	70	104	>0.9	3000-6500K	>80	170
6W	120x120x25	105	154	>0.9	3000-6500K	>80	430
9W	120x120x25	105	205	>0.9	3000-6500K	>80	650
12W	170x170x25	155	205	>0.9	3000-6500K	>80	860
15W	170x170x25	155	205	>0.9	3000-6500K	>80	1080
18W	225x225x25	200	205	>0.9	3000-6500K	>80	1300

APPLICATION



Hotels



Residential



Offices



Malls

2x2 SLIM PANEL LIGHT - ARDENT

36W



- Low power consumption
- No glare - soothing to eye
- Excellent colour rendering
- No harmful UV & IR radiation
- Aesthetically appealing



Ultra slim



No Glare



No UV/IR



Eco-friendly

Input Power	Operating Voltage	Operating Frequency	PF	Size (LxW) mm	Depth (mm)	Lumen Frequency	Lumen*
36W	100-300 V	50Hz	>0.9	595x595	32	110 lm/W	3960 lm

APPLICATION



Hotels



Residential



Offices



Malls

CRI	Colour Temperature	Beam Angle	Driver	Surge	THD	Operating Temperature	Mounting Type
80	6500 K	120°	Isolated Type	Withstand 4kV	10%	-10°C to 45°C	Recess

* Lumen may vary as per colour.

LED Strip Light



LED STRIP LIGHT - LUCENT

24 W



COLOURS AVAILABLE



- Easy installation, Safe, Convenient & Maintenance free.
- Eco Friendly - mercury free and no UV/IR.
- Easy to make patterns & designs
- Long life 50,000 hrs*

Input Power	Input Voltage	LED	CRI	Lumen*
24W	220-240VAC, 50Hz	60LED/m	>80	2000

* Lumen may vary as per colour.

APPLICATION



Facade



Signage



Reception Area



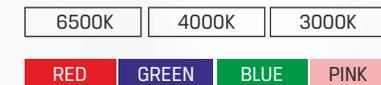
Corridors

RECOMMENDED USAGE : Indoor Decorative Lighting

LED ROPE LIGHT - LUCENT



COLOURS AVAILABLE



Light Output
400lm/mtr



45 meter
length



60 LED/
meter



Rating withstands
harsh weather

Input Voltage	LED	Dimension	Lumen*
220-240VAC 50Hz	60LED/ Mtr	L:45,000mm, W:8mm H:6mm	400lm/ Mtr

* Lumen may vary as per colour.

APPLICATION



Facade



Balcony



Festive Decoration



Corridors

LED STRIP LIGHT - LUCENT Plus



COLOURS AVAILABLE



Light Output
700lm/mtr



10 meter
length



120 LED/
meter



Rating withstands
harsh weather

Input Voltage	LED	Dimension	Lumen*
220-240VAC 50Hz	120LED/ Mtr	L:10,000mm, W:12.5mm H:5.5mm	700lm/ Mtr

* Lumen may vary as per colour.

APPLICATION



Facade



Signage



Reception Area



Corridors

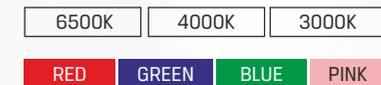
RECOMMENDED USAGE : Indoor Decorative Lighting

Disclaimer : Due to continuous product improvements, Product Image shown may vary from actual product.

LED ROPE LIGHT - LUCENT Mini



COLOURS AVAILABLE



Light Output
400lm/mtr



10 meter
length



60 LED/
meter



Rating withstands
harsh weather

Input Voltage	LED	Dimension	Lumen*
220-240VAC 50Hz	60LED/ Mtr	L:10,000mm, W:8mm H:6mm	400lm/ Mtr

* Lumen may vary as per colour.

APPLICATION



Facade



Balcony



Festive Decoration



Corridors





LED Industrial Light

LED ECONOMY HIGH WATTAGE - AVIDITE

30W | 40W | 50W



- High brightness
- IC based driver
- Wide operating voltage
- High surge protection
- Instant start
- High lumen efficacy
- Eco-friendly
- THD<20%
- No glare
- Non dimmable

Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen*
30W	100x151	180°	0.9	3000
40W	117x167	180°	0.9	4000
50W	139x189	180°	0.9	5000

* Lumen may vary as per colour.

APPLICATION



Hotels Industry Offices Malls

Disclaimer : Due to continuous product improvements, Product Image shown may vary from actual product.

LED SMD ECO HI BAY LIGHT

50W | 80W | 100W | 150W | 180W | 200W



- Excellent Lampshade design Greatly improves Light, Utilization and Evenness
- Elegant Design
- High Efficiency

Input Power	CCT	CRI	Lumen*
50W	3000-6500K	70	5000
80W	3000-6500K	70	8000
100W	3000-6500K	70	10000
150W	3000-6500K	70	15000
180W	3000-6500K	70	18000
200W	3000-6500K	70	20000

* Lumen may vary as per colour.

APPLICATION



Workshop Warehouses Railway Terminals Industry

LED STREET LIGHT WITH LENS - SUPREMUS

20W | 25W | 30W | 40W | 60W | 90W | 100W



High
Brightness



Non
Dimmable



Eco-
friendly



No Glare

Input Power	CCT	CRI	Beam Angle	Lumen*	IP
20W	6500K	80	120°	2000	IP 66
25W	6500K	80	120°	2500	IP 66
30W	6500K	80	120°	3000	IP 66
40W	6500K	80	120°	4000	IP 66
50W	6500K	80	120°	5000	IP 66
80W	6500K	80	120°	8000	IP 66
100W	6500K	80	120°	10000	IP 66

* Lumen may vary as per colour.

APPLICATION



Workshop



Warehouses



Railway
Terminals



Industry

LED SMD CLASSIC FLOOD LIGHT - CALIDUM

30W | 50W | 80W | 100W



- High lumen efficacy.
- Protection against open circuit voltage, short circuit, over voltage, reverse polarity, under voltage over temperature.
- Pressure die cast aluminium alloy housing for effective thermal management.



120°
Beam Angle



Long Life
50,000 hrs**

APPLICATION



Garden
lighting



Factory
lighting



Warehouses



Industry

Input Power	Input Voltage	Lumen(lm)* @CDL	CRI	PF	IP
30W	220-240VAC, 50Hz	3000	>80	>0.95	IP66
50W	220-240VAC, 50Hz	5000	>80	>0.95	IP66
80W	220-240VAC, 50Hz	8000	>80	>0.95	IP66
100W	220-240VAC, 50Hz	10000	>80	>0.95	IP66

TECHNICAL FEATURES

Luminous flux :

The luminous flux describes the quantity of light emitted by a light source. The luminous efficiency is the ratio of the luminous flux to the electrical power consumed (lm/W). It is a measure of a light source's economic efficiency. Unit: Lumen (lm)

Luminous intensity :

The luminous intensity describes the quantity of light that is radiated in a particular direction. This is a useful measurement for directive lighting elements such as reflectors. It is represented by the luminous intensity Distribution curve (LDC). Unit: Candela (cd)

Illuminance :

Illuminance describes the quantity of luminous flux falling on a surface. Relevant standards specify the required illuminance (e.g. EN 12464 "Lighting of indoor workplaces"). Unit: LUX (lx)

Luminance :

Luminance is the only basic lighting parameter that is perceived by the eye. It describes on the one hand a light source's impression of brightness, and on the other, a surface and therefore depends to a large extent on the degree of reflection (color and surface). It is expressed as candelas per square meter (Metric units). Unit: cd/m²

Color Rendering Index (CRI) :

A scale of the effect of a light source on the color appearance of an object compared to its color appearance under a reference light source. A low CRI rating suggests that the colors of objects will appear unnatural under that particular light source.

Color Rendering Index (Ra)	Real Object Color Appearance
Ra < 60	Poor
60 < Ra < 80	Good
80 < Ra < 90	Very Good
90 < Ra < 100	Excellent

Correlated Color Temperature (CCT) :

The color temperature is a specification of the color appearance of a light source, relating the color to a reference source heated to a particular temperature, measured by the thermal unit Kelvin (K).

Color	Color Temperature	Appearance	Association
WW (Warm White)	Upto 3300 K	Raddish	Warm
NW (Neutral White)	3300- 5300 K	White	Neutral
CDL (Cool Day Light)	From 5300 K	Bluish	Cool

Luminaries: A device used to distribute or modify light produced by light sources installed within it.

LED: Abbreviation for light emitting diode. A developing illumination technology which consumes lower energy than similar light sources.

Light: Light is that part of the electromagnetic spectrum that is perceived by our eyes. The wavelength range is between 380 and 780 nm. The cones come on during the day and we see colors, whereas at night the rods take over and we only see shades of grey.

Light source: An electrical device used to produce light, such as ahalogen lamp, a neon tube or an LED.

Beam Angle: The angle of the given photometric body, measured at the half of the maximum light intensity emitted in the main direction of the lightbeam. The angle determines the width of the light cone. Unit: Degree

Lens: Transparent or translucent medium that alters the directional characteristics of light passing through it. Used to shape the light source made of glass, poly carbonate or acrylic.

Reflector : A surface of mirrored glass, painted metal, polished metal or metalized plastic that is shaped to project the beam from a light source in a particular direction. Reflectors may be an integral part of a lamp or they may be part of the Luminaries.

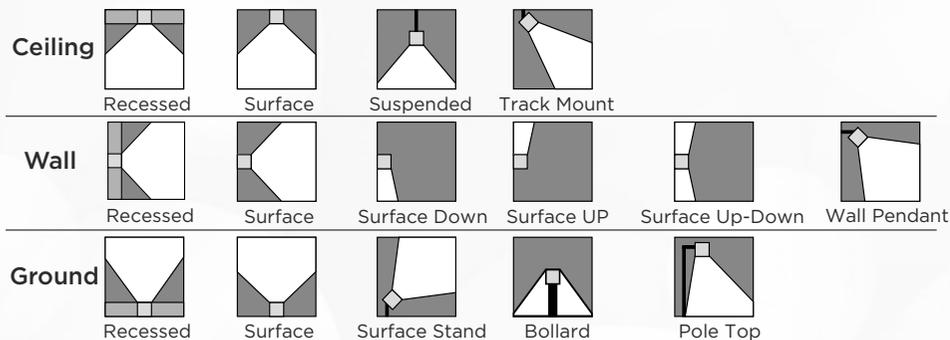
TECHNICAL FEATURES

Parameters	Value
Make	RR
Operating Voltage	160-270V
PF	>0.9/230V ac
THD	<20%, <15%
Luminaire Efficacy	>100lm/W @ 3000K
Color temperature	2700-6500K
CRI	>85
LED Beam Angle	60Deg, 90 Deg, 120 Deg
Frequency	50Hz
Efficiency	>90%/ 230Vac @ full Load
Driver Make	RR/ Phillips/Fullarm/Osram
LED Make	Cree/ Citizens / Nischi / Bridgelux
Surge protection	Indoor 4KV, outdoor 6KV
Burnings life	50000hrs

SMD Surface Mounted Devices

COB Chip On Board

Mounting Description



IP INDEX

The Ingress Protection (IP) code denotes the protection against dust, solid objects and moisture provided by the luminaire enclosure. The IP number is defined by a numerical field of two digits placed on the right of the letters IP. The first digit corresponds to the degree of protection against the penetration of dust and solid matter, while the second digit corresponds to the degree of protection against the penetration of liquids.

First digit: degree of protection against solid objects and dust

- 0. Non protected
- 1. Protection against solid objects, diameter larger than 50 mm
- 2. Protection against solid objects, diameter larger than 12 mm
- 3. Protection against solid objects, diameter larger than 2.5 mm
- 4. Protection against solid objects, diameter larger than 1 mm
- 5. Dust accumulation protected
- 6. Dust penetration protected

Second digit: degree of protection against moisture and water

- 0. Non protected
- 1. Drip-proof against vertical water drops
- 2. Drip-proof when tilted at angles up to 150
- 3. Protection against sprinkled water when falling at angles up to 60°
- 4. Splash-proof
- 5. Jet-proof
- 6. Jet-proof, powerful water jet
- 7. Water immersion for 30 minutes at a depth of 1 meter
- 8. Water submersion



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