



**RR** LIGHTING

See the world in  
a new **Light**

LED LIGHTING CATALOGUE



## "Comfort in a new Light"

RR lighting, Product range is offered by RR Global, a USD 850 Million Conglomerate in the Electrical sector with a presence in over 85 countries globally.

Flagship Brand RR Kabel (Wires & Cables) along with other Consumer Products Brand RR Fans, RR Lighting, RR Switches, RR Appliances and Arraystorm (Commercial Lighting) are part of marquee RR Global Brand.

RR Lighting Offers a wide range Lighting Solutions that are High on Performance and priced economically for various Residential, Commercial, Institutional & Industrial Purposes. The range spectrum spreads across Bulbs, Battens, Panels, Down-lighters, Floodlights, Streetlights, High-Bays.



## LED BULBS



### LED EMERGENCY BULB - AVIDITE

- Long maintenance free life of 25000hrs
- Inbuilt charging circuit for battery
- Charging Time-8-10Hrs
- Emergency Backup time - up to 4Hrs max.
- Battery type-Lithium
- Overcharge protection



Hotels



Residential



Offices



Malls

Details	Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen
RRLEM091065	9W	70x139	120°	0.9	900



### LED CLASSIC BULB - AVIDITE

- High Brightness
- Wide Operating Voltage
- No Glare
- Eco-friendly
- Instant Start
- Non Dimmable



Hotels



Residential



Offices



Malls

Details	Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen
RRLCL0310	3W	50x90	180°	0.9	300
RRLCL0510	5W	57x101	180°	0.9	500
RRLCL0710	7W	57x101	180°	0.9	700
RRLCL0910	9W	57x101	180°	0.9	900
RRLCL1210	12W	60x101	180°	0.9	1200
RRLCL1410	14W	65x122	180°	0.9	1400
RRLBHW1810	18W	75x141	180°	0.9	1800
RRLBHW23W65	23W	80x154	120°	0.9	2300



# LED BULBS



## LED ECONOMY HIGH WATTAGE - AVIDITE

- High Brightness
- Wide Operating Voltage
- Instant Start
- Eco-friendly
- No Glare
- IC Based Driver
- High Surge Protection
- High Lumen Efficacy
- THD<20%
- Non Dimmable



Hotels



Residential



Offices



Malls

Details	Input Power	Size(mm) ØxH	Beam Angle	PF	Lumen
RRLEHW30W	30W	189x99.5	180°	0.9	3000
RRLEHW40W	40W	219x117.5	180°	0.9	4000
RRLEHW50W	50W	252x139	180°	0.9	5000

## LED NIGHT LAMP - AVIDITE



- Ultra bright SMD LED.
- High Lumen Efficacy.
- High Stability, long life span.
- Plug in type fitment.



Residential

Details	Input Power	Colour	Beam Angle	Size(mm) ØxH	Base
RRLRL051001	0.5W	WHITE	270°	57x100	B-22
RRLRL051003	0.5W	RED	270°		
RRLRL051004	0.5W	YELLOW	270°		
RRLRL051005	0.5W	BLUE	270°		
RRLRL051006	0.5W	GREEN	270°		



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





# LED TUBE LIGHT



## LED INTEGRATED TUBE LIGHT - SWANK

- Efficient optical system for good quality lighting
- High Brightness
- Wide Operating Voltage
- No Glare
- IP20
- No UV/IR
- Eco friendly-Mercury free
- Instant Start
- Non Dimmable
- Easy Installation (Clamp based)
- Elegant design



Hotels



Residential



Offices



Malls

Details	Input Power	Size(mm)	Beam Angle	PF	Lumen	Type
RRT505PCTUB	5W	300	120°	≥0.9	500	Plastic
RRT509PCTUB	9W	600	120°	≥0.9	900	Plastic
RRT520PCTUB	20W	1135	120°	≥0.9	2000	Plastic
RRT522PCTUB	22W	1135	120°	>0.95	2200	Plastic
RRT524PCTUB	24W	1135	120°	>0.95	2400	Plastic



## LED TUBE LIGHT



Cool White  
6500 K  
Day light  
2000 lumen



Neutral White  
4000 K  
Functional  
1900 lumen



Warm White  
2700 K  
Cosy / Relaxing  
1800 lumen

### LED 3CCT PLASTIC BATTEN - SWANK

- 3 In 1- Cool White→Neutral White→Warm White by switching ON and OFF
- Tricolor LED Batten that can change the ambience of your room as per your mood
- Easy installation (Clamp based)
- Glare free Optics
- No UV/IR

Details	Input Power	Size (mm)	Beam Angle	PF	Lumen	IP
RR203CCTPCTUB	20W	1135	120°	>0.95	2000lm@6500K	IP 20



CRI ≥ 80



Beam Angle



Hotels



Residential



Offices



Malls

### LED EMERGENCY BATTEN - SWANK

- Maintenance free Long life of 25,000 hrs
- Easy installation (Clamp based)
- Glare free Optics
- Battery type - lithium
- Overcharge protection

Details	Input Power	Size (mm)	Beam Angle	PF	Lumen	IP
RR10EMPCTUB65	10W	600	120°	>0.9	1000@6500K	IP 20
RR20EMPCTUB65	20W	1135	120°	>0.9	2000@6500K	IP 20





# LED DOWNLIGHT



GOLD



ROSE GOLD



SILVER

## LED CHROME SERIES - LUCENT

- IC Based Driver
- High Surge Protection
- High Lumen Efficiency
- THD<20%

Details	Input Power	Size(mm) ØxH	COD	Beam Angle	CCT	CRI	Lumen	PF
RRLCSR03W	3W	45x40	38	40°	3000 - 6500K	≥80	500	0.9
RRLCSR06W	6W	60x56	52	40°	3000 - 6500K	≥80	600	0.9
RRLCSR10W	10W	75x70	65	40°	3000 - 6500K	≥80	1000	0.9
RRLCSR15W	15W	83x80	75	40°	3000 - 6500K	≥80	1500	0.9
RRLCSR18W	18W	83x80	75	40°	3000 - 6500K	≥80	1800	0.9
RRLCSR20W	20W	98x100	90	40°	3000 - 6500K	≥80	2000	0.9
RRLCSR30W	30W	120x130	110	40°	3000 - 6500K	≥80	3000	0.9



Hotels



Residential



Offices



Malls



## LED COB DOWNLIGHT - KONIG

- IC Based Driver
- High Surge Protection
- High Lumen Efficiency
- THD<20%

Details	Input Power	Size(mm) ØxH	COD	Beam Angle	CCT	CRI	Lumen	PF
RRCOBDL03W	3W	60x54	55	24°	3000 - 6500K	≥80	220	0.9
RRCOBDL05W	5W	90x54	72	24°	3000 - 6500K	≥80	330	0.9
RRCOBDL10W	10W	108x75	92	40°	3000 - 6500K	≥80	650	0.9
RRCOBDL15W	15W	108x75	92	60°	3000 - 6500K	≥80	950	0.9
RRCOBDL20W	20W	140x87	115	60°	3000 - 6500K	≥80	1350	0.9
RRCOBDL25W	25W	158x125	132	60°	3000 - 6500K	≥80	1550	0.9
RRCOBDL30W	30W	158x125	132	60°	3000 - 6500K	≥80	1860	0.9



Hotels



Residential



Offices



Malls

# LED DOWNLIGHT



## LED CONCEAL DOWNLIGHT - DEVIANT



- High Brightness
- Wide Operating Voltage
- Instant Start
- Eco-friendly
- THD<20%
- No Glare
- Non Dimmable

Details	Input Power	Voltage Frequency	Lumen (lm)	COD	Size(mm) ØxH	CRI	PF
RRLDCDL03	3W	220V AC/50Hz	240	46	46x80	>80	>0.9
RRLDCDL05	5W		400	85	114x63	>80	>0.9

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



Hotels



Residential



Offices



Malls



Modern Gym

## LED RECESSED ROUND SPOT LIGHT - LIMPIAR



- High Brightness
- Non Dimmable
- Instant Start
- Long Life upto 50,000hrs

Details	Input Power	Operating Voltage Range	Lumen (lm)	COD (mm)	Size-ØxH (mm)	Material	Beam Angle
RRLSL2W10	2	100~300V AC-50Hz	140	33	39x16	140	60°

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



Wardrobes



Shelf Lighting



Furniture lighting



Hotels



Malls



Modern Gym





## LED PANEL LIGHT

### LED INTEGRATED PLASTIC PANEL - SPRUZZO



- 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.

Details	Input Power	Size(mm) LxH	COD	PF	CCT	CRI	Lumen(lm) @6500K
RRLSPPC5	5W	82x36	60	>0.9	3000 - 6500K	>80	350
RRLSPPC8	8W	116x36	96	>0.9	3000 - 6500K	>80	640
RRLSPPC12	12W	166x36	145	>0.9	3000 - 6500K	>80	1200
RRLSPPC15	15W	166x36	145	>0.9	3000 - 6500K	>80	1500
RRLSPPC20	20W	220x36	201	>0.9	3000 - 6500K	>80	1900



Hotels



Residential



Offices



Malls

### LED SLIM PANEL LIGHT - ZUIVER



- Durable thermally conductive plastic housing.
- Inbuilt LED Driver.
- Eye Protection provided by Acrylic 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.

Details	Input Power	Size(mm) LXWxH	COD	PF	CCT	CRI	Lumen @6500K
RRLZPCP06	6W	120x120x27	104	>0.9	3000 - 6500K	>80	390
RRLZPCP12	12W	174x174x27	154	>0.9	3000 - 6500K	>80	840
RRLZPCP15	15W	225x225x27	205	>0.9	3000 - 6500K	>80	1050
RRLZPCP18	18W	225x225x27	205	>0.9	3000 - 6500K	>80	1260



Hotels



Residential



Offices



Malls



# LED PANEL LIGHT

## LED SLIM PANEL LIGHT - RAVISH



- 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.

Details	Input Power	Size(mm) LXWxH	COD	Beam Angle	PF	CCT	CRI	Lumen @6500K
RRLSP03	3W	85x85x20	70	120°	>0.9	3000 - 6500K	>80	170
RRLSP06	6W	120x120x25	105	120°	>0.9	3000 - 6500K	>80	430
RRLSP09	9W	120x120x25	105	120°	>0.9	3000 - 6500K	>80	650
RRLSP12	12W	170x170x25	155	120°	>0.9	3000 - 6500K	>80	860
RRLSP15	15W	170x170x25	155	120°	>0.9	3000 - 6500K	>80	1080
RRLSP18	18W	225x225x25	200	120°	>0.9	3000 - 6500K	>80	1300



Hotels



Residential



Offices



Malls

## LED 2x2 -SLIM PANEL LIGHT - RAVISH



Details	Input Power	Size(mm) LXWxH	Beam Angle	PF	Voltage Frequency	CRI	Lumen @6500K	Voltage Operating
RRLSP36	36W	595x595x10	120°	0.9	240 V-50Hz	≥80	3240	100-300VAC-50 HZ
RRLSP45	45W	595x595x10	120°	0.9		≥80	4050	



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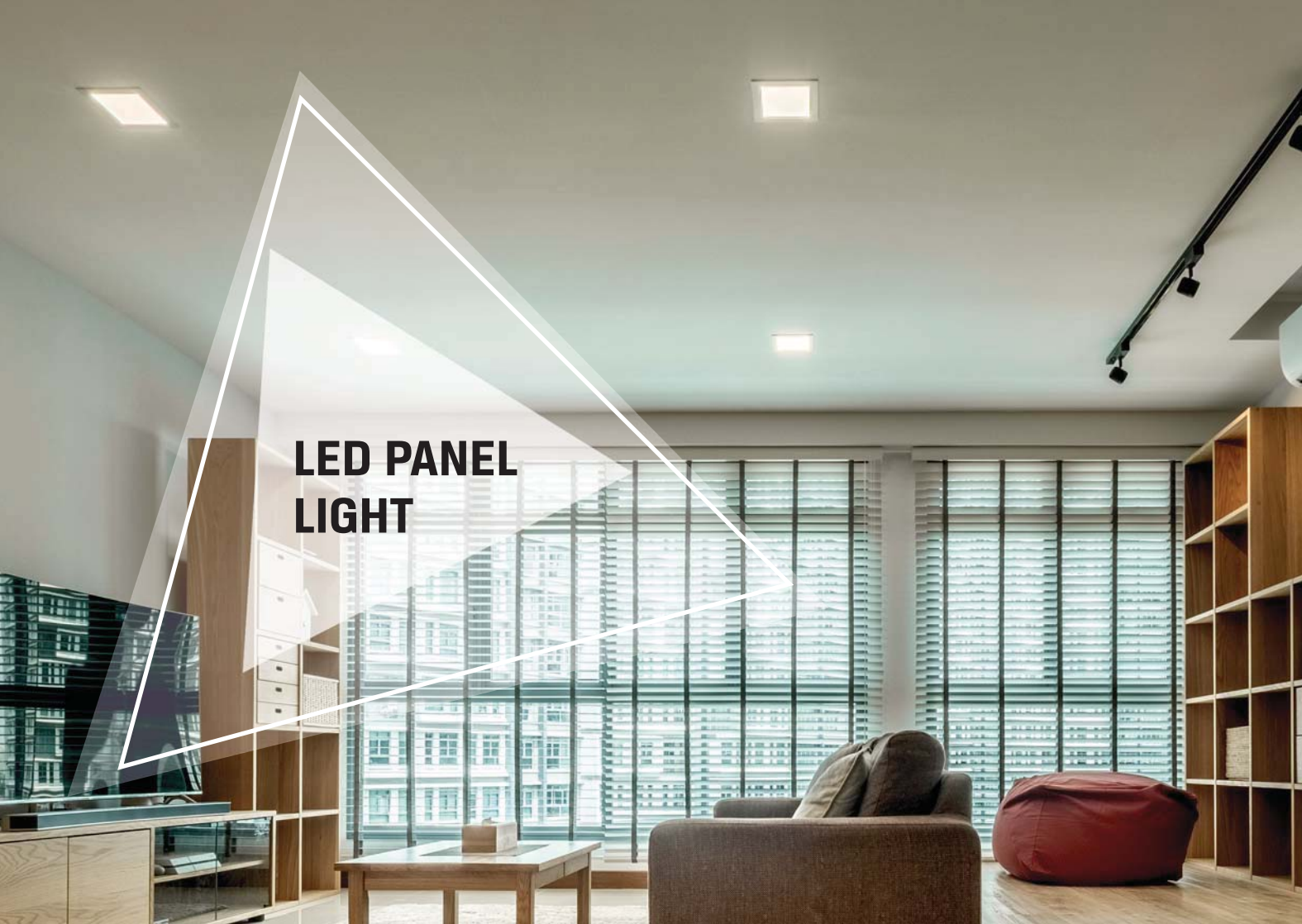


Offices



Malls





# LED PANEL LIGHT

## LED SURFACE PANEL LIGHT - VAUNT

- 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
- Protection against - Open circuit voltage, Short circuit voltage.
- 3.0 KV Surge Protected



Details	Input Power	Size(mm) LXWxH	Beam Angle	PF	CCT	CRI	Lumen @6500K
RRLSFP06	6W	121x121x39	120°	0.9	3000 - 6500K	≥ 80	350
RRLSFP12	12W	170x170x39	120°	0.9	3000 - 6500K	≥ 80	840
RRLSFP15	15W	170x170x39	120°	0.9	3000 - 6500K	≥ 80	1050
RRLSFP18	18W	225x225x39	120°	0.9	3000 - 6500K	≥ 80	1260



Hotels



Residential



Offices



Malls



## LED SURFACE PANEL LIGHT

Model No.	Power (W)	Luminous (lm) min	Cut-Out Ø (mm)	Model No.	Power (W)	Luminous (lm) min	Cut-Out Ø (mm)
RRTRLD12RD	12	1200	101x53	RRTRLD12RD	12	1200	101x101x50
RRTRLD18RD	18	1800	146x53	RRTRLD18RD	18	1800	137x137x50
RRTRLD24RD	24	2650	166x53	RRTRLD24RD	24	2650	160x160x50



## LED SURFACE PANEL LIGHT

Model No.	Power (W)	Luminous (lm) min	Cut-Out Ø (mm)	Model No.	Power (W)	Luminous (lm) min	Cut-Out Ø (mm)
RRTNB3SFSQ	3	300	55x55x10	RRTNB3SFRD	3	360	60x10
RRTNB8SFSQ	8	800	88x88x15	RRTNB8SFRD	8	800	88x15
RRTNB12SFSQ	12	1200	150x150x20	RRTNB12SFRD	12	1200	150x20

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





# INDUSTRIAL LED

## LED STREET LIGHT LED STREET LIGHT WITHOUT LENS-CALIDUM



### FEATURES:

- Pressure die cast aluminium alloy housing for effective thermal management.
- Ingress protection IP 66 for excellent dust and water resistance
- Protection against open circuit voltage, short circuit voltage, over voltage, reverse polarity



City Streets



Walkways



Parking Lots



Industry

Product Code	Power (W)	Voltage Frequency	Lumen(lm) @CDL	Size(mm) LxWxH	Pole Dia (mm)	CRI	PF	IP
RRCSLWL20	20	230Vac/ 50Hz	2000	340x78.61x60	30	>70	0.9	IP66
RRCSLWL25	25		2500	340x78.61x60	30	>70	0.9	IP66
RRCSLWL30	30		3000	340x78.61x60	30	>70	0.9	IP66
RRCSLWL40	40		4000	340x78.61x60	30	>70	0.9	IP66
RRCSLWL50	50		5000	393x143x67	43	>70	0.9	IP66
RRCSLWL60	60		6000	393x143x67	43	>70	0.9	IP66
RRCSLWL80	80		8000	475x200x85	58	>70	0.9	IP66
RRCSLWL100	100		10000	475x200x85	58	>70	0.9	IP66
RRCSLWL120	120		12000	583x250x83	58	>70	0.9	IP66
RRCSLWL160	160		16000	583x250x83	58	>70	0.9	IP66

## LED STREET LIGHT STREET LIGHT WITH SEC. LENS - CALIDUM



### FEATURES:

- Pressure die cast aluminium alloy housing for effective thermal management.
- Ingress protection IP 66 for excellent dust and water resistance
- Protection against open circuit voltage, short circuit voltage, over voltage, reverse polarity



City Streets



Walkways



Parking Lots



Industry

Details	Input Power	CCT	CRI	Lumen	IP
RRCLSL20W	20	3000 - 6500K	70	2000	IP66
RRCLSL30W	30	3000 - 6500K		3000	IP66
RRCLSL40W	40	3000 - 6500K		4000	IP66
RRCLSL60W	60	3000 - 6500K		6000	IP66
RRCLSL80W	80	3000 - 6500K		8000	IP66
RRCLSL100W	100	3000 - 6500K		10000	IP66
RRCLSL120W	120	3000 - 6500K		12000	IP66
RRCLSL150W	150	3000 - 6500K	15000	IP66	





# INDUSTRIAL LED



## LED HIGH BAY LIGHT

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

Details	Input Power	CCT	CRI	Lumen
RRLCHB50W	50	3000 - 6500K	70	6000
RRLCHB80W	80	3000 - 6500K		9600
RRLCHB100W	100	3000 - 6500K		12000
RRLCHB150W	150	3000 - 6500K		14400
RRLCHB180W	180	3000 - 6500K		18000
RRLCHB200W	200	3000 - 6500K		21600



Workshop



Warehouses



Railway  
Terminals



Industry



## LED SMD CLASSIC FLOOD LIGHT - CALIDUM

- 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.

Product Code	Power (W)	Input Voltage	Lumen(lm) @CDL	Size(mm) LxWxH	CRI	PF	IP
RRLCFLCL10W	10	220-240VAC, 50Hz	1000	112x84x30	>80	>0.95	IP66
RRLCFLCL20W	20		2000	178x138x40	>80	>0.95	IP66
RRLCFLCL30W	30		3000	178x182x48	>80	>0.95	IP66
RRLCFLCL50W	50		5000	220x226x55	>80	>0.95	IP66
RRLCFLCL80W	80		8000	272x282x72	>80	>0.95	IP66
RRLCFLCL100W	100		10000	272x282x72	>80	>0.95	IP66



8,000 lm



120°  
Beam Angle



Long Life  
50,000 hrs



Garden  
lighting



Factory  
lighting



Warehouses



Industry

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

## 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/m<sup>2</sup>

### 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 a halogen 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 light beam. 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.

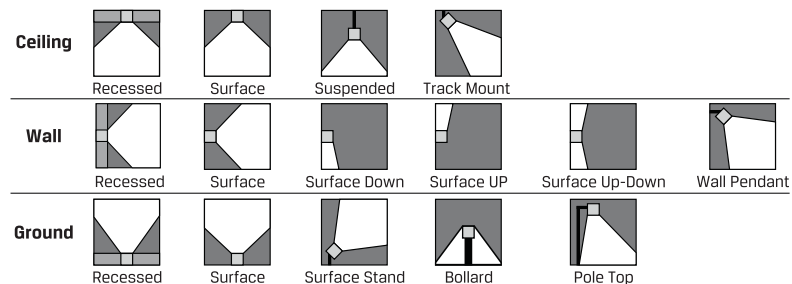
## TECHNICAL FEATURES

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 600
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





## **R R Kabel Limited**

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