

DIAMOND RENEWABLE SOLUTIONS PVT. LTD.

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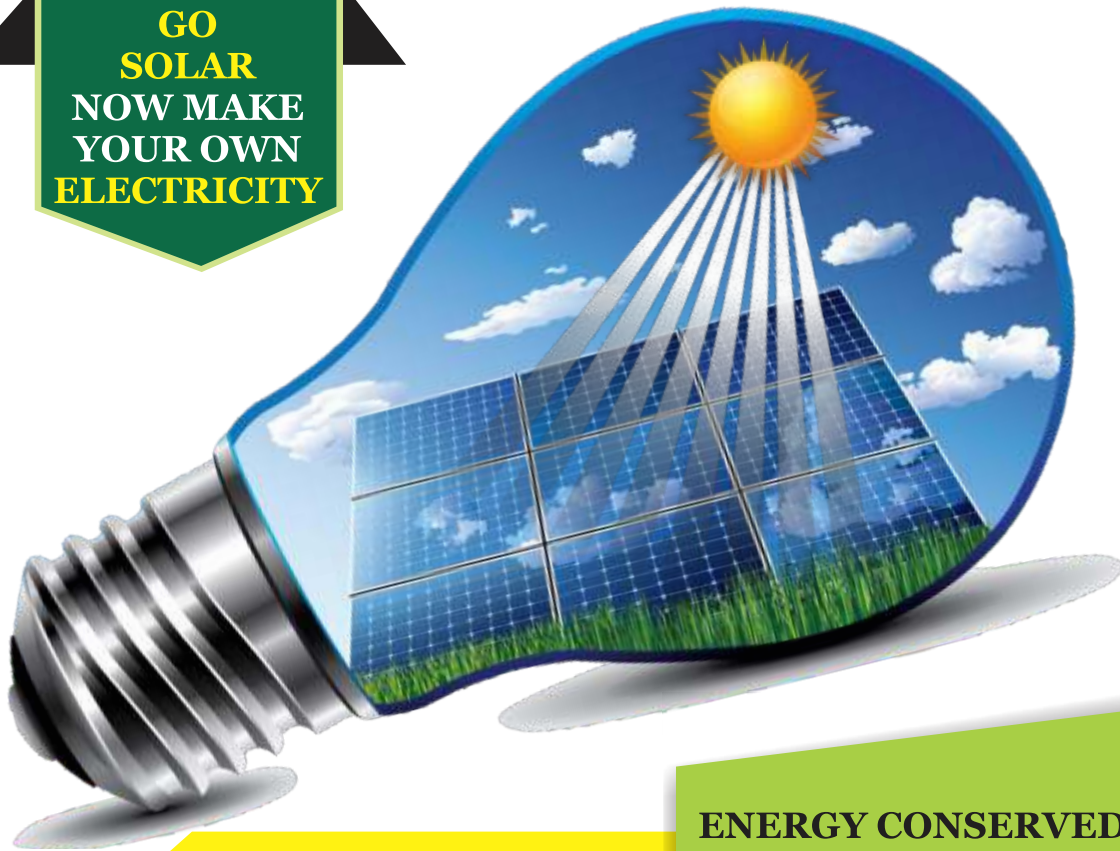
Diamond Renewable Solutions Pvt. Ltd. has been established with a vision to enlighten life of the people who are living in dark for ages. We focus on rural segment in the state of Punjab, Himachal Pradesh, Haryana, Bihar, Orissa, Jharkhand and West Bengal. Once we achieve a satisfaction of making effective change in life of rural India, then only we will think of moving to cities and urban sector.

We are providing green energy solution to the people with the use of Solar Energy and LED lights. Our expertise is to design a cost effective solution for the client and supply / install the system to the entire satisfaction of the customer. We do not leave the customer here itself, rather we commit ourselves to provide service for the life time on reasonable cost basis.

We are also creating employment by giving training to local youths so that they can service the systems and earn a livelihood.

INTEGRATED SOLAR SOLUTIONS

**GO
SOLAR
NOW MAKE
YOUR OWN
ELECTRICITY**



ENERGY CONSERVED

IS LIFE PRESERVED

ABOUT COMPANY

Diamond Renewable Solutions Pvt. Ltd. Is a company with expertise in Design, Engineering, Integration, Supply, Installation & Turn Key Execution along with requisites after sales services in both Photovoltaic and Thermal System.

The Team is headed by Techno Commercial person with experience of more than Three Decades. Out of which 17 years have been in SOLAR ENERGY FIELD.

We have a team of dedicated & committed suppliers having reputed Brands, namely, KOTAK, PHOCOS, INFINITY, ENERTECH to name a few.

Similarly we have trusted partners in various markets making people aware about the Green Energy and Saving the Environment from pollution.

A team of dedicated & committed employees in sales and service are the pillars of the organisation.



ACTIVITIES

**Providing Integrated
Solar Solutions
Led lighting**

**International Trade
Bicycle, Bicycle Parts
PVC Panels**

**Govt. Sector :-
Supplies
through Regd.
Govt. Contractor.**

**Private Sector :-
Commercial and
Wholesale through
own Marketing
Network.**

**Indst. Sector :-
Installations of
Power Project
& LED Lighting.**

APPLICATION

Transform Your Roof To SOLAR



Kotak Solar offers a wide variety of solar Roof top PV Solution that offer an environmentally friendly alternative to standard electrical power for your Home or office.



Solar Off Grid Power Plant

Solar Water Heating System



Suitable for Hotel, Apartments, High Rise Buildings, Hospitals & Industrial Needs. (MWEE and OQMSD approved)



Solar Water Heating Systems - Industrial Applications



LED & CFL Versions
(CPRI & OGS & D approved)



Solar Street Light

Power YourTomorrow



Generate Your own Power with ZERO initial investment - Solar power systems from Kotak Solar can help your business achieve both financial advantage and conventional power independent.



Solar Grid Tie Power Plants

Powering GreenTelecom



Up to 70% OPEX saving Compared to DG



Solar Power For Telecom Towers

Automatic Power Management for 12/24 Volt with Internal Charge Controller



Grid Input
PV Input
Battery
AC Output Load Application
Inverter



Solar Panel Mounting System

- Capacity 240 Litrs.
- Very low energy requirement 12 V - 24 V DC operating voltage featuring inverter at low voltage
- Eco-friendly cooling agent (R-134a)
- Scratch-proof stainless-steel housing
- Easy-to-clean aluminium frame
- Patented low-frost system
- Adjustable interior temperature
- Highly efficient cooling

Type FR 240 R / FR 240 F

- Operating voltage 12-24 V DC
- Ambient temperature 10 to 43 °C
- Temp. Range: 18 to 16 °C
- Power Input (typ./max.) 40/500 W
- Energy consumption at 23 °C
- 120 Wh/d (R) 480 Wh/d (F)
- Energy consumption at 32 °C 200 Wh/d (R) 540 Wh/d (F)
- Compressor (power/hp) 240
- Refrigerant R-134a
- Weight net / gross 79 Kg / 75Kg

This refrigeration system is equipped with a maintenance-free, brushless DC compressor. The patented low-frost system reduces the formation of condensation of water and ice. A drainage opening at the base simplifies the cleaning of refrigerator.



Solar Panel Mounting System

- High efficiency Thermoplastic Regener DC inverter
- Standard inverter through MPPT (Maximum Power Point Tracking) through the PV array. No controller required
- Light weight and easy installation
- High Efficiency suitable for Rural application
- Highly efficient and low maintenance
- Lighting 1000lm/hour with 1000lm/hour
- Approved by CPRI, OQMSD and MWEE

SOLAR SUBMERGIBLE PUMP

Model	Capacity (Litres)	Power (W)	Flow (L/min)	Head (m)
SP-100	100	100	10	10
SP-200	200	200	20	20
SP-300	300	300	30	30
SP-400	400	400	40	40
SP-500	500	500	50	50

SOLAR SURFACE PUMP

Model	Capacity (Litres)	Power (W)	Flow (L/min)	Head (m)
SP-100	100	100	10	10
SP-200	200	200	20	20
SP-300	300	300	30	30
SP-400	400	400	40	40
SP-500	500	500	50	50



Solar Panel Mounting System



Solar Panel Mounting System



PRODUCTS

Solar Photovoltaic



Solar Thermal



LED Lights



PRODUCTS DETAIL

SOLAR STREET LIGHTS (LED & CFL Based)

SOLAR STREET LIGHTS



- High Power LED & CFL used.
- SPV Modules as per MNRE standard.
- Solar Battery as per MNRE standard
- MS Structure & Pole.
- Usage Dusk to Dawn (Automatic)
- Storage Autonomy 3 days.

SPECIFICATION

LAMP WATTAGE (LED)	9	12	24
SOLAR PANEL (Wp)	80Wp	100Wp	150Wp
BATTERY	40AH (TUBULAR)	60AH (TUBULAR)	75AH (TUBULAR)
POLE	5 Mtr.	5 Mtr.	5 Mtr.
AUTONOMY	3 Days	3 Days	2 Days

Key Features

Stand alone system | Power Full LED's | Lamp life of more than 50000 hrs.
 Approx Life of 11 Years (12 hrs/day) | Solar Tubular Batteries |
 Smart Electronic | IP 65 Fixture

Technical Data of Solar Street Light

Model	SSL4	SSL5	SSL6	SSL8 (with Light hook)
LUMINAIRE SIZE (WATTS)	12W	20W	40W	12x40W
PANEL	40W	60W	120W	150W
LFP BATTERY	12V LFP Replaces 40 Ah SLA Battery	12V LFP Replaces 75 Ah SLA Battery	12V LFP Replaces 120 Ah SLA Battery	12V LFP Replaces 150 Ah SLA Battery
PV Panel Size	656x454x34	702x696x34	1319x666x34	1480x656x35
LED TYPE & QTY	5630 SMD LED	5630 SMD LED	5630 SMD LED	5630 SMD LED
BACKUP IN HRS	12	12	12	12

Salient Features:

- Auto Dimming Operation after 6 hours to save power & give good backup
- Auto cooling facility to prevent electronics & battery from overheating
- IP 65 Ingress Protection
- RFID Tracking
- Control design saves height & installation cost
- Smart On/Off time with set hrs. Long discharge time of more than 12 hrs
- High Efficiency LED (up to 100lm/Watt)
- Light Emitting Diode (LED) Light Source
- Long Life of more than 5 years

Additional Features:

- For areas which do not have access to constant electrical power grid
- Patented Inverter/Rectifier/Transformer Module (Power-Full Lighting Module)
- Energy Efficient LED System (including battery) - 2 years from the date of purchase
- IP 65 Model: Minimum 5 years

Energy is Life - Save it Light Up India

- All in One Integrated design
- Ready to install on any type of street poles
- Long Battery life of more than 5 years
- Automatic Dusk to Dawn function
- Maintenance Free
- Charge controller with Auto Dimming Function



Model	SSL4	SSL5	SSL6	SSL8
Panel Size	656x454x34	702x696x34	1319x666x34	1480x656x35
Power	40W	60W	120W	150W
Battery	40Ah	75Ah	120Ah	150Ah
Autonomy	3 Days	3 Days	3 Days	2 Days

SOLAR DC FAN



PRODUCT	BLADE SIZE	RPM	POWER	AMPERES
Ceiling Fan (BLDC)	36/48"	340	18-24 W	1.5-2
Table Fan	16"	1400	18-24 W	1.5-2
Pedestal Fan	16/12/17"	1400	18-24 W	1.5-2
Wall Fan	16"	1400	18-24 W	1.5-2

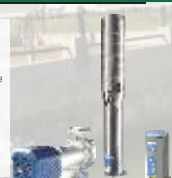
FEATURES

Most Economic Running cost | No Maintenance
 Separate Adaptor is provided to connect with 230 V AC Supply.
 Reverse Polarity Protection provided.

SOLAR SUBMERSIBLE & SURFACE PUMPS

DC Surface Pumps

- High efficiency Permanent Magnet DC motor
- Simple 2 wire design. Direct DC operation through the PV array. No controller required
- Easy to install and maintain
- High Discharge suitable for flood irrigation
- Rugged construction with oversized bearings
- Long life brushes with quick replacement
- Approved by MNRE authorized test centers



SOLAR SUBMERSIBLE PUMP

Type	Array Size	Motor Power	SPV Array VDC	Rated Head Voltage (V)	Model	Discharge @ STC (l/min)	Discharge Calculated (l/min)	Shut-off Head (m)
SD 1200	1200Wp	600W	144	110	RS00702	12	20	30
					RS00703	7.5	20	45
					RS00708	4.5	50	70
SD 1800	1800Wp	1400W	144	110	RS00710	15.5	30	45
					RS00716	6.5	50	70
					RS00722	30	20	45
SD 3000	3000Wp	3000W	288	220	RS00722	19	30	45
					RS00732	11.5	50	70
					RS00732	7.5	70	100
SD 5000	5000Wp	5000W	386	330	RS00736	45	20	45
					RS00736	35	30	45
					RS00736	19	50	70
SD 7500	7500Wp	7500W	579	500	RS00736	15	70	100
					RS00736	8	100	150

SOLAR SURFACE PUMP

Model	Section Head	Shut off Head	Discharge LPD (10 M head)	Array Size	Motor Rated Voltage (V)	Rated Current (A)	Open Circuit Voltage (VOC)
MSP 30	7 m	12 m	30,000	900 Wp	30	25	43
MSP 60	7 m	15 m	180,000	1800 Wp	60	25	48
MSP 90	7 m	15 m	300,000	2700 Wp	60	25	55
MSP 90	7 m	25 m	148,000*	2700 Wp	90	25	129

Note: Water Output figures are on a clear sunny day with 5 times tracking of SPV panel when solar radiation on horizontal surface is 5.5 kWh/m²/day. * Discharge Calculated at 20 meters head

SOLAR DEEP FREEZER

- Capacity 240 Ltrs.
- Very low energy requirement 12 V - 24 V DC operating voltage featuring shutoff at low voltage
- Eco-friendly cooling agent (R-134a)
- Scratch-proof steel-panel housing
- Easy-to-clean aluminum lining
- Patented low-frost system
- Adjustable interior temperature
- Highly-efficient cooling



- Type FR 240 R FR 240 F**
- Operating voltage 12-24 V DC
 - Ambient temperature 10 to 43 °C
 - Temp. Range -18 to +6 °C
 - Power input (typ./ max.) 40-100 W
 - Energy consumption at 21 °C
 - 120 Wh/d (R) 480 Wh/d (F)
 - Energy consumption at 32 °C 204 Wh/d (R) 540 Wh/d (F)
 - Content (capacity) 240 l
 - Refrigerant R-134a
 - Weight net / gross 70 Kg / 75Kg
 - The refrigeration system is equipped with a maintenance-free, brushless DC compressor. The patented low-frost system reduces the formation of condensation of water and ice. A drainage opening at the base simplifies the cleaning of Refrigerator.

Scope of supply

- Solar Panels MNRE approved
- Solar Tall Tubular Battery
- Charge controller
- Solar Deep Freezer

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- Solar Tall Tubular Battery
- Solar Deep Freezer

LED LIGHTING SOLUTIONS

Features

ENERGY EFFICIENT

Immediate reduction of power consumption from much lower wattage requirements = lower utility bills. Easily dimmable using occupancy and daylight sensors resulting in additional energy savings. Reduce cooling loads since light projected from LEDs produce no heat. Instant-on, no flicker, and no humming noise.

ENVIRONMENT FRIENDLY

LED Lighting is non-toxic and contains no mercury, lead, or cadmium, and is recyclable. Full cut-off features produce no light pollution and complies with DARK SKY initiatives.

MAINTENANCE AND SAFETY

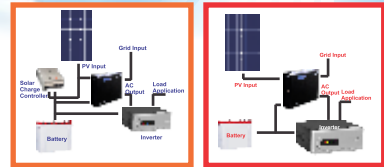
Long life ranging from 50,000 to 100,000 hours. Reduced recycling costs required to dispose of hazardous bulbs and ballast. No change of ballast required. No breakable glass or filaments and are highly resistant to shock and vibration.



Generate Electricity while Sun Shines Save your Electricity Bill

Convert your existing Inverter Battery System to SOLAR PLANT with AUTOMATIC POWER MANAGEMENT SYSTEM

Automatic Power Management for 36/48 Volt with External Charge Controller Automatic Power Management for 12/24 Volt with Internal Charge Controller



AUTOMATIC POWER MANAGEMENT SYSTEM :

The Solar Priority Controller is a fully automatic solar charge controller with Automatic Power Management System which is ideal for controlling normal inverter or UPS to SOLAR PCU. Equipped with LCD which displays the system recognition, Battery Voltage, Panel Voltage, PV availability & Grid usage. When the available battery voltage is normal, the AC output to the UPS is cutoff the UPS goes for the backup mode thereby not drawing any power from the AC grid. The UPS will turn on and start charging the battery for a short period of time between the desired voltage levels. This system can be used in two typical applications for residential purpose and for Street light applications.

SOLAR LED HOME LIGHTING KIT

FEATURES

- Economical and Robust.
- High Lumen Led Bulbs for Long Life.
- Mobile Charging Kit
- Dual Charging, Solar and Grid.
- Useful in Areas Where There is No Electricity.
- Long Back Up.
- Led Indications for Low Battery, Charging Solar and Mains.
- High Current and Voltage Protection.
- 6V 4.5 AH, and 12V 7 AH Maintenance Free Batteries.
- 5 W 6V, and 10 W 12V
- Solar Panel Provided for Day Charging.
- 2 W And 3 W Led Bulbs 2 PCS With Each Kit
- AC Charging Adapters.
- Mobile Charging Kit Provided.
- Warranty One Year For Complete System, and 6 Months For Battery.



SOLAR LED LANTERN



SPECIFICATIONS

- 6-10 hours pleasant light after full charge.
- Powered by ultra bright multiple chip LED.
- Strong ABS body and strong acrylic glass shade.
- Highly Energy efficient.
- Double Switch Modes : High-Low.
- Battery 6V-4.5Ah
- Module 5 Watt
- AC adpoter optional.



SOLAR WATER HEATER



- Thermosyphon / Force Flow based Solar Hot Water generators.
- Flat/Slope Roof Mountable System.
- Automatic Temperature controls.
- Systems for Flat Roof/Gravity Feed Application.
- Forced Circulation system for differential head and pressurized circulation systems.
- Fixed Temperature system for Critical Temperature Applications.
- Differential temperature Systems for large scale systems & varied Hot Water Applications.
- Hot Water available for round the clock requirements with auto circulation systems.
- Automatic and precise temperature controls.
- Hybrid system with GAS or Thermic fluid or Diesel or Electricity based backup heating.
- Manifold option for Building Integration and low load collector mounts.
- Flat plate and Evacuated collector options with manifold designs for varied site conditions.
- Hydro pneumatic integrated systems for Hotels, High Rise Buildings, Apartments and Industrial needs.

SYSTEM CAPACITY : 100 LPD onwards
SYSTEM TEMPERATURE OUTPUT : 60 DEGREES CELSIUS

INSTALLATIONS



EXPORTS



IMPORTS





Catalogue 2016-2017

E-mail: dgecorp@gmail.com | Website : www.diamondsolarsolution.com



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* Material dispatch from Surat.
Rest will be dispatched from Vasai.



SG 110



SG 210



TECHNICAL PARAMETERS

Brand Name				
Model	Premium (Edgelit)			
Power Consumption	3w	6w	12w	18w
Cutout (mm)	70	105	152	sq 200 / ro 220
LED Color Temperature	4000, 6500, R, G, B		4000, 6500	
Beam Angle	120°			
Optical Cover	PS Diffuser			
Light Source	Kingbrighter (LM-80)			
Housing Material	Alluminium Pressure Die Cast			
Power Requirement	AC 100 - 240v, 50 - 60Hz			
Protection Rating	IP 20			
Luminous Flux (Lm)	270	540	1080	1620
CRI	≥ 80 Ra			
Operation Temperature	0° - 50° C			
Driver	External Driver			
Power Factor	> 0.65			
warranty	2 Years			





SG 510



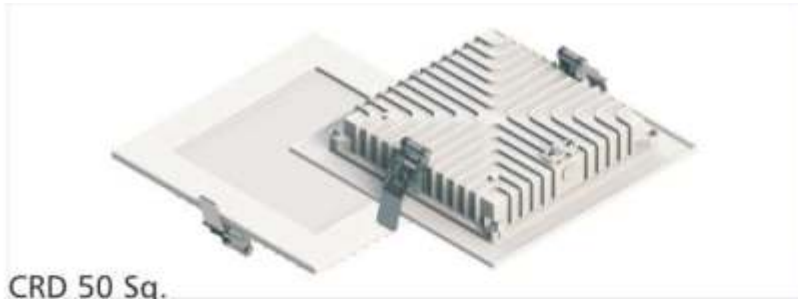
SG 610



TECHNICAL PARAMETERS

Brand Name			
Model	SG 510 & SG 610 (Step)		
Power Consumption	6w	12w	18w
Cutout (mm)	68	106	156
LED Color Temperature	White + (Blue, Green, Orange, Pink)		
Beam Angle	120°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter (LM-80)		
Housing Material	Alluminum Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	540	1080	1620
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	External Driver		
Power Factor	> 0.65		
warranty	2 Years		





CRD 50 Sq.



CRD 50 Rd.



TECHNICAL PARAMETERS

Brand Name						
Model	CRD 50 (Backlit)					
Power Consumption	4w	6w	12w	18w	24w	30w
Cutout (mm)	85	95	125	145	175	215
LED Color Temperature	2700, 4000, 6500					
Beam Angle	120°					
Optical Cover	PS Diffuser					
Light Source	Kingbrighter 2835 (LM-80)					
Housing Material	Alluminium Pressure Die Cast					
Power Requirement	AC 100 - 240v, 50 - 60Hz					
Protection Rating	IP 20					
Luminous Flux (Lm)	360	540	1080	1620	2160	2700
CRI	≥ 80 Ra					
Operation Temperature	0° - 50° C					
Driver	External Driver					
Power Factor	> 0.95					
warranty	2 Years					

Note : We cater OEM jobs with branding for this product range.





CRD 60 Sq. (Die Casting)



CRD 60 Rd. (Spinning)



TECHNICAL PARAMETERS

Brand Name							
Model	CRD 60 (Backlit)						
Square / Round	Square			Round			
Power Consumption	18w	30w	48w	6w	12w	18w	24w
Outer Dimension (mm)	178	250	280	93	123	143	173
LED Color Temperature	2700, 4000, 6500						
Beam Angle	120°						
Optical Cover	PS Diffuser						
Light Source	Kingbrighter 2835 (LM-80)						
Housing Material	Alluminium Pressure Die Cast			Alluminium Spinning Die Cast			
Power Requirement	AC 100 - 240v, 50 - 60Hz						
Protection Rating	IP 20						
Luminous Flux (Lm)	1620	2700	4320	540	1080	1620	2160
CRI	≥ 80 Ra						
Operation Temperature	0° - 50° C						
Driver	Integral Driver						
Power Factor	> 0.95						
warranty	2 Years						

Note : We cater OEM jobs with branding for this product range.





CRD 70 Sq.



CRD 70 Rd.



TECHNICAL PARAMETERS

Brand Name			
Model	CRD 70 (Edgelit)		
Power Consumption	8w	15w	22w
Cutout (mm)	Sq. 100 / Ro. 115	Sq. 150 / Ro. 163	Sq. 182 / Ro. 192
LED Color Temperature	2700, 4000, 6500		
Beam Angle	120°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter 2835 (LM-80)		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	720	1350	1980
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	External Driver		
Power Factor	> 0.95		
warranty	2 Years		

Note : We cater OEM jobs with branding for this product range.





CRD 80 Sq.



CRD 80 Rd.



TECHNICAL PARAMETERS

Brand Name			
Model	CRD 80 (Backlit)		
Power Consumption	6w	18w	24w
Cutout (mm)	Sq. 100 / Ro. 115	Sq. 150 / Ro. 163	Sq. 182 / Ro. 192
LED Color Temperature	2700, 4000, 6500		
Beam Angle	120°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter 2835 (LM-80)		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	540	1620	2160
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	External Driver		
Power Factor	> 0.95		
warranty	2 Years		

Note : We cater OEM jobs with branding for this product range.





CRD 120 Sq.



CRD 120 Rd.



TECHNICAL PARAMETERS

Brand Name			
Model	CRD 120 (Backlit)		
Power Consumption	16w	24w	32w
Cutout (mm)	97	148	200
LED Color Temperature	4000, 6500		
Beam Angle	120°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter (LM-80)		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	1440	2160	2880
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	External Driver		
Power Factor	> 0.65		
warranty	2 Years		

Note : We cater OEM jobs with branding for this product range.





CRD 130 Sq.



CRD 130 Rd.



TECHNICAL PARAMETERS

Brand Name			
Model	CRD 130 (Edgelit)		
Power Consumption	8w	15w	22w
Cutout (mm)	87	144	172
LED Color Temperature	4000, 6500		
Beam Angle	120°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter (LM-80)		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	720	1350	1980
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	Integral Driver		
Power Factor	> 0.95		
warranty	2 Years		





CRM 10

TECHNICAL PARAMETERS

Brand Name			
Model	CRM 10 (Backlit)		
Power Consumption	15w (1 x 1)	20w (1 x 2)	40w (2 x 2)
Outer Dimension (mm)	295 x 295	295 x 595	595 x 595
LED Color Temperature	2700, 4000, 6500		
Beam Angle	120°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter (LM-80)		
Housing Material	Alluminium Sheet Metal		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	1350	1800	3600
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	External Driver		
Power Factor	> 0.95		
warranty	2 Years		

Note : Side toggle on request.

: We cater OEM jobs with branding for this product range.





CRT 10

TECHNICAL PARAMETERS

Brand Name			
Model	CRT 10		
Power Consumption	5w	9w	22w
T5 / T8	✓	✓	✓
T8 - R / T6	-	✓	✓
LED Color Temperature	2700, 4000, 6500, Red, Green, Blue		
Beam Angle	180°		
Optical Cover	PS Diffuser		
Light Source	Kingbrighter 2835 (LM-80)		
Housing Material	Alluminium Profile		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 20		
Luminous Flux (Lm)	450	810	1980
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	Integral Driver		
Power Factor	> 0.95		
Warranty	2 Years		

Note : We cater OEM jobs with branding for this product range.





LED Strip



SMD Rope



TECHNICAL PARAMETERS

Brand Name				
Model	LED Strip 3014	LED Strip 3014	LED Strip 5050	SMD Rope 3014
LED	120 LED per mtr.	204 LED per mtr.	60 LED per mtr.	120 LED per mtr.
LED Color Temperature	2700 / 6500 / 4000 R, G, B		2700 / 6500 / 4000 R, G, B, Pink	2700 / 6500 / 4000 R, G, B
Light Source	Kingbrighter (LM-80)			
Power Requirement	AC 100 - 240v, 50 - 60Hz			
Protection Rating	IP 20			IP 65
Luminous Flux (Lm)	384	864	1536	1536
CRI	≥ 80 Ra			
Operation Temperature	0° - 50° C			





CRC 10

TECHNICAL PARAMETERS

Brand Name						
Model	CRC 10					
Power Consumption	6w	9w	12w	16w	24w	30w
Cutout (mm)	86	86	110	110	132	154
LED Color Temperature	2700, 4000, 6500					
Beam Angle	24° - 40° - 60° (Darkoo)					
Optical Cover	Transparent					
Light Source	LEDTEEN (Chip - Bridgelux) / CREE					
Housing Material	Alluminium Pressure Die Cast					
Power Requirement	AC 100 - 240v, 50 - 60Hz					
Protection Rating	IP 20					
Luminous Flux (Lm)	600	900	1200	1600	2400	3000
CRI	≥ 80 Ra					
Operation Temperature	0° - 50° C					
Driver	External Driver					
Power Factor	> 0.95					
warranty	1 Year					

Note : We cater OEM jobs with branding for this product range.





CRC 10 Zoom Sq.



CRC 10 Zoom Rd.



TECHNICAL PARAMETERS

Brand Name				
Model	Square		Round	
Power Consumption	15w	35w	25w	40w
Cutout (mm)	85 mm	135 mm	140 mm	175 mm
LED Color Temperature	2700, 4000, 6000			
Luminous Flux	1500	3500	2500	4000
Optical Cover	Transparent			
Light Source	LEDTEEN (Chip - Bridgelux) / CREE			
Housing Material	Alluminium Pressure Die Cast			
Power Requirement	AC 100 - 240v, 50 - 60Hz			
Protection Rating	IP 20			
CRI	≥ 80 Ra			
Operation Temperature	0° - 50° C			
Driver	External Driver			
Power Factor	> 0.95			
warranty	1 Year			

Note : We cater OEM jobs with branding for this product range.





SG 335 Sq.



SG 335 Rd.



TECHNICAL PARAMETERS

Brand Name										
Model	SG 335									
Power Consumption	1w	3w	6w	9w	16w	24w	30w	40w	50w	
Cutout (mm)	38	51	64	64	89	108	119	119	119	
LED Color Temperature	2700, 4000, 6500				[(Red, Green, Blue) only in 1 & 3w]					
Beam Angle	120°									
Optical Cover	Transparent									
Light Source	LEDTEEN (Chip - Bridgelux)									
Housing Material	Alluminium Pressure Die Cast									
Power Requirement	AC 100 - 240v, 50 - 60Hz									
Protection Rating	IP 20									
Luminous Flux (Lm)	100	300	600	900	1600	2400	3000	4000	5000	
CRI	≥ 80 Ra									
Operation Temperature	0° - 50° C									
Driver	External Driver									
Power Factor	> 0.65									
warranty	1 Year									





SG 135 Track Light

TECHNICAL PARAMETERS

Brand Name					
Model	SG 135 (TR)				
Power Consumption	9w	16w	24w	30w	50w
LED Color Temperature	2700, 4000, 6500				
Beam Angle	60°				
Light Source	LEDTEEN (Chip - Bridgelux)				
Housing Material	Alluminium				
Power Requirement	AC 100 - 240v, 50 - 60Hz				
Protection Rating	IP 20				
Luminous Flux (Lm)	900	1600	2400	3000	5000
CRI	≥ 80 Ra				
Operation Temperature	0° - 50° C				
Driver	Integral Driver				
Power Factor	> 0.65				
warranty	1 Year				





CRF 10 (without Lens)

CRF 20 (with Lens)

CRF 20 (SMD LED)

TECHNICAL PARAMETERS

Brand Name										
Model	CRF 10				CRF 20 (COB)			CRF 20 (SMD)		
Power Consumption	10w	20w	30w	50w	50w	100w	150w	80w	100w	150w
LED Color Temperature	2700, 6500, Red, Green, Blue, Purple									
Beam Angle	120°				60°			120°		
Optical Cover	Toughened Glass									
Light Source	Kingbrighter (LM-80)							LG / LUMILED		
Housing Material	Alluminium Pressure Die Cast									
Power Requirement	AC 100 - 240v, 50 - 60Hz									
Protection Rating	IP 65									
Luminous Flux (Lm)	1000	2000	3000	5000	5000	10000	15000	8000	10000	15000
CRI	≥ 80 Ra									
Operation Temperature	0° - 55° C									
Driver	Integral Driver									
Power Factor	> 0.95									
warranty	1 Year									
SPD (Surge Protection)	2.5 Kv									

Note : We cater OEM jobs with branding for this product range.
: We can provide SPD upto 20 kv on request





CRETA



TECHNICAL PARAMETERS

Brand Name				
Model	CRETA			
Power Consumption	15w	30w	60w	100w
LED Color Temperature	2700, 6500, Red, Green, Blue			
Beam Angle	120°			
Optical Cover	Toughned Glass			
Light Source	Kingbrighter (LM-80)			
Housing Material	Alluminium Pressure Die Cast			
Power Requirement	AC 100 - 240v, 50 - 60Hz			
Protection Rating	IP 65			
Luminous Flux (Lm)	1500	3000	6600	10000
CRI	≥ 80 Ra			
Operation Temperature	0° - 55° C			
Driver	Integral Onboard Driver			
Power Factor	> 0.95			
warranty	1 Year			





CRF 40

Lens (60° x 60°) Optional

Reflector (60° x 60°) Optional

TECHNICAL PARAMETERS

Brand Name			
Model	CRF 40		
Power Consumption	20w	40w	80w
LED Color Temperature	2700, 4000, 6500		
Beam Angle	Variable options available		
Optical Cover	Toughened Glass		
Light Source	LG / LUMILED		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 65		
Luminous Flux (Lm)	2000	4000	8000
CRI	≥ 80 Ra		
Operation Temperature	0° - 55° C		
Driver	Integral Driver		
Power Factor	> 0.95		
warranty	1 Year		
SPD (Surge Protection)	2.5 Kv		

Note : We cater OEM jobs with branding for this product range.
 : We can provide SPD upto 20 kv on request





TECHNICAL PARAMETERS

Brand Name										
Model	CRS 10					CRS 30				
Power Consumption	12w	15w	20w	30w	40w	60w	72w	90w	120w	
LED Color Temperature	2700, 6500									
Beam Angle	120°									
Optical Cover	Toughned Glass									
Light Source	LG / LUMILED									
Housing Material	Alluminium Pressure Die Cast									
Power Requirement	AC 100 - 240v, 50 - 60Hz									
Protection Rating	IP 65									
Luminous Flux (Lm)	1200	1500	2000	3000	4000	6000	7200	9000	12000	
CRI	≥ 80 Ra									
Operation Temperature	0° - 55° C									
Driver	Integral Driver									
Power Factor	> 0.95									
warranty	1 Year									
SPD (Surge Protection)	2.5 Kv									

Note : We cater OEM jobs with branding for this product range.
: We can provide SPD upto 20 kv on request





CRS 40



TECHNICAL PARAMETERS

Brand Name			
Model	CRS 40		
Power Consumption	20w	30w	60w
LED Color Temperature	6500		
Beam Angle	120°		
Optical Cover	Polycarbonate		
Light Source	OSRAM / LUMILED / LG		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 65		
Luminous Flux (Lm)	2000	3000	6000
CRI	≥ 80 Ra		
Operation Temperature	0° - 55° C		
Driver	Integral Driver		
Power Factor	> 0.95		
warranty	1 Year		
SPD (Surge Protection)	2.5 Kv		

Note : We cater OEM jobs with branding for this product range.

: We can provide SPD upto 20 kv on request





TECHNICAL PARAMETERS

Brand Name					
Model	CRS 40 (Solar)			CRS 30 (Solar)	
Power Consumption	12w	20w	30w	40w	60w
LED Color Temperature	6500				
Beam Angle	120°				
Optical Cover	Toughned Glass				
Light Source	LG / LUMILED				
Housing Material	Alluminium Pressure Die Cast				
Power Requirement	12V			24V	
Protection Rating	IP 65				
Luminous Flux (Lm)	1200	2000	3000	4000	6000
CRI	≥ 80 Ra				
Operation Temperature	0° - 55° C				
Driver	Integral DC to DC Driver				
Efficiency	≥ 90%				
warranty	1 Year				

Note : We cater OEM jobs with branding for this product range.

: We are offering LED street light with DC to DC driver solution.

: Charge controllers, solar panel, battery and installation is not in our scope.





Bulk Head

Weather Proof Fixture

TECHNICAL PARAMETERS

Brand Name			
Model	Bulk Head CRW - 20	Weather Proof Fixture CRW - 10	
Power Consumption	8w	20w	44w
LED Color Temperature	2700, 4000, 6500		
Beam Angle	180°		
Optical Cover	Polycarbonate		
Light Source	LUMILED / EVERLITE		
Housing Material	ABS		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 65		
Luminous Flux (Lm)	880	2200	4840
CRI	≥ 80 Ra		
Operation Temperature	0° - 50° C		
Driver	Integral Driver		
Power Factor	> 0.95		
warranty	2 Years		

Note : We cater OEM jobs with branding for this product range.





CRH 10

CRH 20

CRH 30

TECHNICAL PARAMETERS

Brand Name			
	High Bay		
Model	CRH 10	CRH 20	CRH 30
Power Consumption	50w / 100w	60w / 120w	150w / 200w
LED Color Temperature	2700, 4000, 6500		
Beam Angle	120°		
Optical Cover	PC Cover		
Light Source	OSRAM / LUMILED / LG		
Housing Material	Alluminium Pressure Die Cast		
Power Requirement	AC 100 - 240v, 50 - 60Hz		
Protection Rating	IP 65		
Luminous Flux	6000 / 12000	7200 / 14400	18000 / 24000
CRI	≥ 80 Ra		
Operation Temperature	0° - 55° C		
Driver	Integral Driver		
Power Factor	> 0.95		
warranty	1 Year		
SPD (Surge Protection)	2.5 Kv		

Note : We cater OEM jobs with branding for this product range.

: We can provide SPD upto 20 kv on request





TECHNICAL PARAMETERS

Brand Name			
	Microwave Motion Sensor		
Model	CRA - S - M1	CRA - S - M2	CRA - S - M3
Detection Range	360°		
Power Source	220 - 240V / AC 50 / 60Hz		
HF System	5.8 GHz CW radar, ISM Band		
Rated Load	300W (220 - 240V/AC 50/60Hz)		
Time Delay	10 sec ± 3 sec to 12 min ± 1 min (Adjustable)		
Ambient Light	< 3 - 2000 LUX (Adjustable)		
Detection Distance	1 - 8 mtr (Radius Adjustable)	Wall: 5 - 15 mtr (Adjustable) Ceiling: 1 - 8 mtr (Radius)	
Installation Height	1.5 - 3.5 mtr		Wall: 1.5 - 3.5 mtr Ceiling: 2-8 mtr
IP Protection	IP 20		IP 20 & IP 65

Note : We cater OEM jobs with branding for this product range.



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