SOLAR MODULE

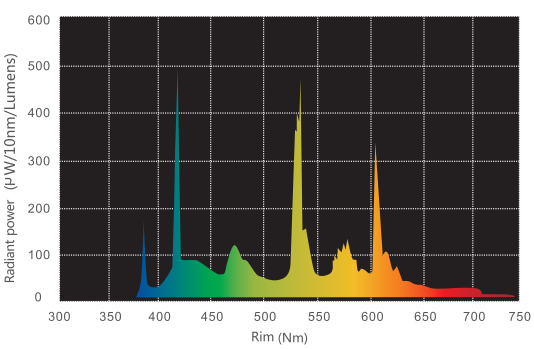
LVD Series ZDNY-SL-LVD

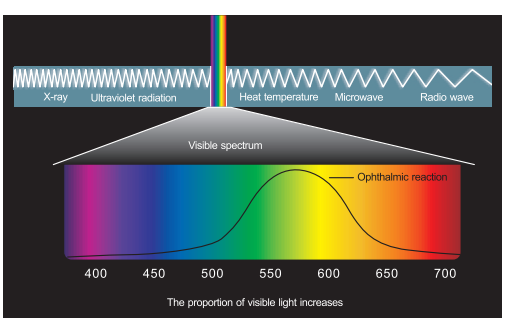
LVD lamp has no filament or electrode, it's composed by high frequency generator, power coupler and glass bulb,the power is coupled into the glass bulb through electromagnetic induction. It's high-tech lighting product developed on the basis of theories of power electronics, plasma physics, magnetic material science.,etc.Inside the bulb, there's a certain amount of special gas, the high-frequency energy will ionize or stimulate the gas and make it generate ultraviolet photon. The ultraviolet photon will generate visible light by stimulating the fluorescent powder intine of the glass bulb.

Features

① Intelligent control. Appling LVD induction lamp intelligent control system. Automatic timing on/off switch and automatic brightness adjustment by monitoring the environmental brightness which leads to long backup time.
② Easy installation. It saves the labor and accessories cost by deducting the complex operation procedures in the common lighting project.
③ Energy saving. One investment only. Zero electricity cost and low maintenance cost.
④ Safe. Low voltage product and high reliability. No hidden risks to water, electricity and gas pipes.
⑤ Green and environment friendly products. No pollution to air and improves environment quality.
⑥ Decent. It improves city appearance, upgrades city living quality, purifies the city environment and makes a beautiful landscape for the city.
⑦ Widely usage. It can be widely applied in places such as street, parking area, regional lighting and etc.

high frequency LVD(DC) bulb





Visual spectral ranges from 400 to 700nm,In this range,LVD lamp can release the full spectrum,and provide better color rendering.

SOLAR MODULE

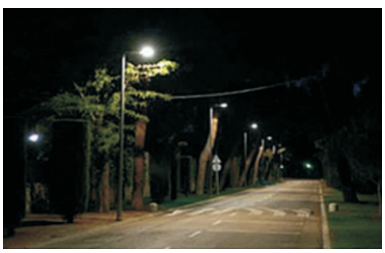
Technique Data

① Lifetime up to 60.000hours
② PF(power factor) is more than 0.98
③ Working voltage 160V-260VAC
④ Working frequency 2.65MHZ，no stroboflash and glare index is low
⑤ Lumninous flux >70lm/W
⑥ CRI>80Ra
⑦ Environmental temperature is -20℃～50℃

LVD Series ZDNY-SL-LVD

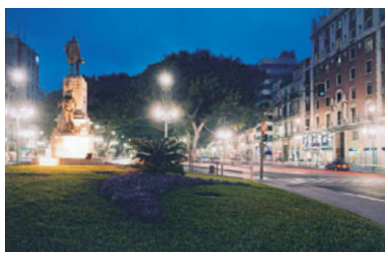
Light Pole	Steel structure (hot dip galvanized and plastic-sprayed) 6~10 meters
Solar Panel	80Wp-150Wp Mono or poly crystalline
Battery Capacity	12V/50-200Ah(1 or 2pcs), Maintenance-free lead-acid battery/gel battery
Lighting Source	15W-180W LVD, DC12-24V,AC110/220V
Controller	Microcomputer control system, overcharge protection, overdischarge protection, reverse-connection prevention, photovoltaic control and timing control
Working Condition	-20℃～50℃
Working Time	The system can continuously supply power for 3-5 days when it is rainy or cloudy

Project Reference



1 85W LVD

2 50W LVD



3 30W LVD

SOLAR MODULE

DC LVD LAMP

Parameters \ Model		LVD-12-40 / LVD-24-40	LVD-12-50 / LVD-24-50	LVD-12-65 / LVD-24-65	LVD-12-85 / LVD-24-85	LVD-12-100 / LVD-24-100	LVD-24-135	LVD-24-165	LVD-24-180
Input Voltage		DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V	DC10 ~ 15V DC20 ~ 30V
Drive Efficiency		> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9	> 0.9
Rated Power		30	50	65	85	100	135	165	180
Working Frequency		2.68MHZ	2.68MHZ	2.68MHZ	2.68MHZ	2.68MHZ	2.68MHZ	2.68MHZ	2.68MHZ
Luminous Efficiency		> 60LM	> 60LM	> 60LM	> 60LM	> 60LM	> 60LM	> 60LM	> 60LM
Initial Flux Of LVD Light		2310LM	3300LM	4030LM	5500LM	6300LM	8000LM	10560LM	11655LM
Lighting Efficiency		> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%	> 90%
Average Luminance	6m High	> 9	> 14	> 17	> 25	> 28			
	7m High	> 8	> 12	> 15	> 19	> 20	> 22	> 25	> 30
	8m High		> 9	> 10	> 15	> 16	> 18	> 23	> 25
	9m High			> 8	> 13	> 14	> 15	> 19	> 22
	10m High			> 6	> 10	> 11	> 12	> 15	> 18
	11m High								
	12m High								
Effective Illuminated Area	6m High	6*18m^2	6*20m^2	6*20m^2	6*20m^2	6*20m^2			
	7m High	7*20m^2	7*25m^2	7*25m^2	7*25m^2	7*25m^2	7*25m^2	7*25m^2	7*25m^2
	8m High		8*30m^2	8*30m^2	8*30m^2	8*30m^2	8*30m^2	8*30m^2	8*30m^2
	9m High			9*35m^2	9*35m^2	9*35m^2	9*35m^2	9*35m^2	9*35m^2
	10m High				10*35m^2	10*35m^2	10*35m^2	10*35m^2	10*35m^2
	11m High								
	12m High								
Color Temperature		3500K ~ 5000K							
CRI		>80Ra							
Working Environment		Humidity : < 95% ; Environment Temperanture : -20 ~ 50°C							
Life Span		> 60000hrs							
Protection Grade		IP65							