



LED Streetlight Specifications

Unique Modular Light-Engine allows the choice of 7 different housing styles:

LASR-H01



LASR-H03



LASR-H04



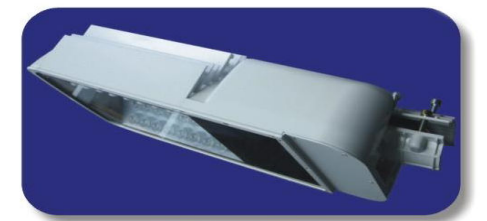
LASR-H06



LASR-H05



LASR-H07



Light Engine

- High efficiency giving 60% energy saving
- Multiple super bright high flux white LEDs,
- Highly efficient and intelligent driver(s) designed in-house giving $\geq 90\%$ efficiency
- High-speed micro processor which provides precise control – automatically adjust the LED power as required.

Heat Management

- Long life span
- Unique heat dissipation system
- Efficient control of temperature rise during operation

Optical System

- High light utilization ratio adopts multiple patented techniques
- Multi-angle multi-aperture and design of new-style wide-angle secondary optics
- Full use of LED's highly directional properties retaining as much light energy within the requested range of irradiation as possible.
- High uniformity of illumination
- Consistent transition as brightness is reduced maintaining bright/dark spot-free.
- Substantially increased light utilization ratio.

Application

- Special modular housing design
- Suitable for many different urban lighting programs
- Custom housings on request
- Environmentally friendly lead/mercury free
- Cold-light source with minimal heat pollution

Specifications of AC LED streetlight

Models		LASR -110-30 LASR -220-30	LASR -110-40 LASR -220-40	LASR -110-50 LASR -220-50	LASR -110-60 LASR -220-60	LASR -110-70 LASR -220-70	LASR -110-100 LASR -220-100	LASR -110-120 LASR -220-120	LASR -110-150 LASR -220-150	LASR -110-180 LASR -220-180	LASR -110-210 LASR -220-210
Input Voltage		AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V	AC88 ~ 132V AC170 ~ 265V
Power Frequency		45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz	45 ~ 65Hz
Power Factor		>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
THD		<10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Driver Efficiency		>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9
System Power		30W	40W	50W	60W	70W	100W	120W	150W	180W	210W
LED Beads		28	36	48	56	64	96	112	144	168	192
Luminous Efficiency		>90LM	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM
LED beads Luminous flux		2400LM	3200LM	4000LM	4800LM	5600LM	8000LM	9600LM	12000LM	14400LM	16800LM
Light Emission Efficiency		>90%	>90%	>90%	>90%	>90%	>90%	>90%	>90%	>90%	>90%
Average Illuminance /Height (meters)	6	>9	>14	>17	>20	>25					
	7	>8	>12	>15	>17	>19	>20				
	8	>6	>9	>10	>13	>15	>18	>23	>30	>35	>38
	9		>7	>8	>9	>13	>15	>19	>28	>30	>32
	10			>6	>7	>10	>12	>15	>22	>24	>26
	11					>8	>10	>13	>17	>21	>23
Valid Illuminance Range /Height (meters)	6	6*20m ²	6*20m ²	6*20m ²	6*20m ²	6*20m ²					
	7	7*25m ²	7*25m ²	7*25m ²	7*25m ²	7*25m ²	7*25m ²				
	8	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²
	9		9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²
	10			10*35m ²	10*35m ²	10*35m ²	10*35m ²	10*35m ²	10*35m ²	10*35m ²	10*35m ²
	11					11*40m ²	11*40m ²	11*40m ²	11*40m ²	11*40m ²	11*40m ²
12					12*40m ²	12*40m ²	12*40m ²	12*40m ²	12*40m ²	12*40m ²	
Color Temperature	Warm white: 3000K~ 3800K; Pure white: 4500K ~ 5500K										
CRI	Ra>75										
Working Atmosphere	Relative humidity: <95%; Temperature: -25 ~ 45 °C										
Life span	>50000 hours										
Level of Protection	IP65										
Light Decay	<3% in 5000 hours										
Isolation	>2KV										
Operating Conditions	Relative humidity: <95%; Temperature: -25 ~ 45 °C										
Applications	Urban streets, residential area, industrial district, pavements, squares, parks, campuses, villas, courts and gardens etc.										

Specifications of DC LED streetlight

Models	LASR-12-30 LASR-24-30	LASR-12-40 LASR-24-40	LASR-12-50 LASR-24-50	LASR-12-60 LASR-24-60	LASR-12-70 LASR-24-70	LASR-12-100 LASR-24-100	LASR-12-120 LASR-24-120	LASR-12-150 LASR-24-150
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
Driver Efficiency	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9	>0.9
System Power	30W	40W	50W	60W	70W	100W	120W	150W
LED Beads	28	36	48	56	64	96	112	144
Luminous Efficiency	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM	>90LM
LED beads Luminous flux	2400LM	3200LM	4000LM	4800LM	5600LM	8000LM	9600LM	12000LM
Light Emission Efficiency	>90%	>90%	>90%	>90%	>90%	>90%	>90%	>90%
Average Illuminance/Height (metres)	6	>9	>14	>17	>20	>25		
	7	>8	>12	>15	>17	>19	>20	>25
	8	>6	>9	>10	>13	>15	>18	>23
	9		>7	>8	>9	>13	>15	>19
	10			>6	>7	>10	>12	>15
Valid Illuminance Range/Height (metres)	6	6*20m ²	6*20m ²	6*20m ²	6*20m ²	6*20m ²		
	7	7*25m ²	7*25m ²	7*25m ²	7*25m ²	7*25m ²	7*25m ²	7*25m ²
	8	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²	8*30m ²
	9		9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²	9*35m ²
	10			10*35m ²	10*35m ²	10*35m ²	10*35m ²	10*35m ²
Colour Temperature	Warm white: 3000K~ 3800K; Pure white: 4500K ~ 5500K							
CRI	Ra>75							
Working Atmosphere	Relative humidity: <95%; Temperature: -25 ~ 45 °C							
Life span	>50000 hours							
Level of Protection	IP65							
Light Decay	<3% in 5000 hours							
Insulativity	>10 million Ohm							
Working Conditions	Humidity: -25 ~ 55 degrees Altitude < 2000m							
Applications	Urban streets, residential area, industrial district, pavements, squares, parks, campuses, villas, courts and gardens etc.							

