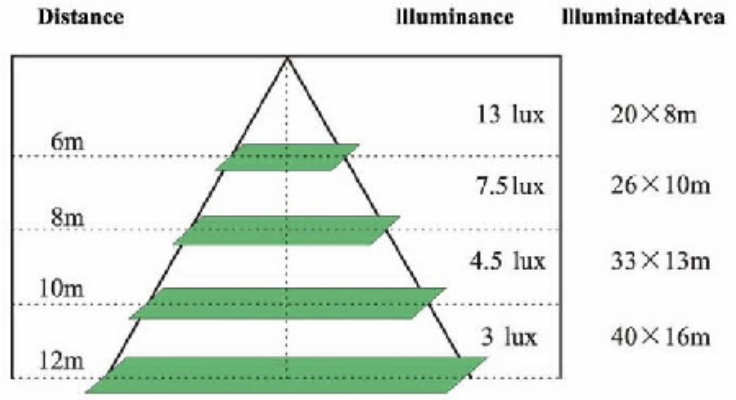
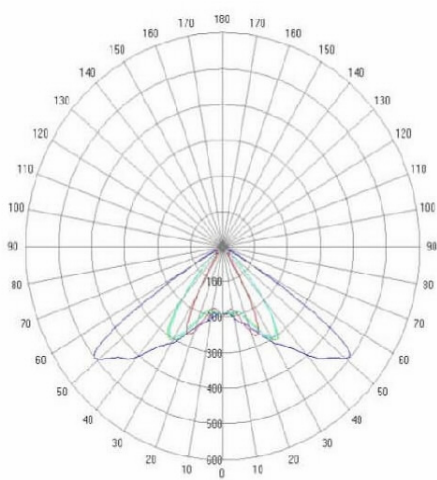


Light distribution curve for horizontal installation

Illumination at different heights



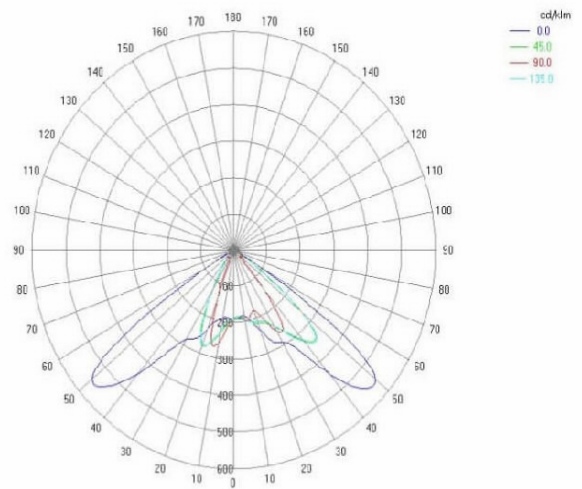
Light distribution curve for inclined installation



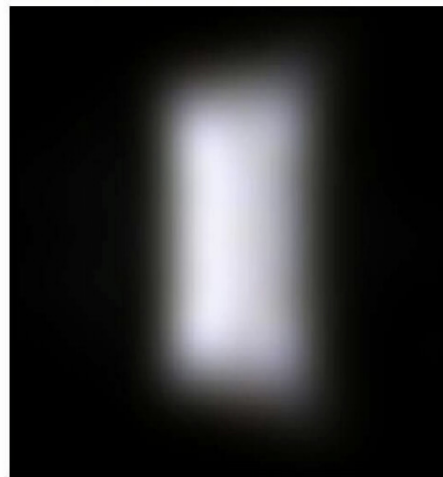
Beam pattern - horizontal installation



cc/km  
 0.0  
 45.0  
 90.0  
 135.0



Beam pattern - inclined installation



cd/klm  
 0.0  
 45.0  
 90.0  
 135.0

Specifications	
Power Voltage	85-264 VAC
Power Frequency	47~63 Hz
Power Factor	>0.9
Power Efficiency	83%
Power Supply Consumption	7W
LED Working Voltage	12/24 VDC
LED Power Consumption	28W
LED Luminous Efficiency	>80 lm/W
LED Initial Flux	2,500 lm (Tj=25C)
LED Maintain Flux	2,300 lm (Tj=70C, Ta=25C)
Lamp Flux	2,100 lm (Tj=70C, Ta=25C)
Lamp Efficiency	>90%
Color Temperature	Pure white: 5,000~7,000K - Warm white: 3,000~4,000K
Color Index (CI)	Ra > 75
High Pressure Sodium Lamp replacement	75W (7m high) ~ 150W (6m high)
Illumination at various heights -	6m: > 13 LUX
	8m: > 7.5 LUX
	10m: > 4.5 LUX
	12m: > 3 LUX
Effective Illuminated Area -	6m: 20 X 8 m
	7m: 26 X 10 m
	10m: 33 X 13 m
	12m: 40 X 16 m
Light Source	Emission 1 Watt
Light Distribution Curve	Asymmetric (Bat Wing) / Rectangular Beam
The maximum Light Intensity Angle Light Beam Angle	120 = Horizontal Axis: 110 Vertical Axis: 45
	140 = Horizontal Axis: 130 Vertical Axis: 45
Light Beam Angle	120 = Horizontal Axis: 120 Vertical Axis: 60
	140 = Horizontal Axis: 130 Vertical Axis: 60
Junction Temperature	70C - 10% (Ta=25C)
System Resistance (Rja)	1.4 C/W
Working Temperature	-30C~50C
Working Humidity	10%~90% RH
Working Life	> 50,000 Hrs
Light Body Material	Aluminum Alloy and PC
Net Weight	1 Kg
IP Rating	IP60
Certification	CE, RoHS

Road Layout - Streetlight position

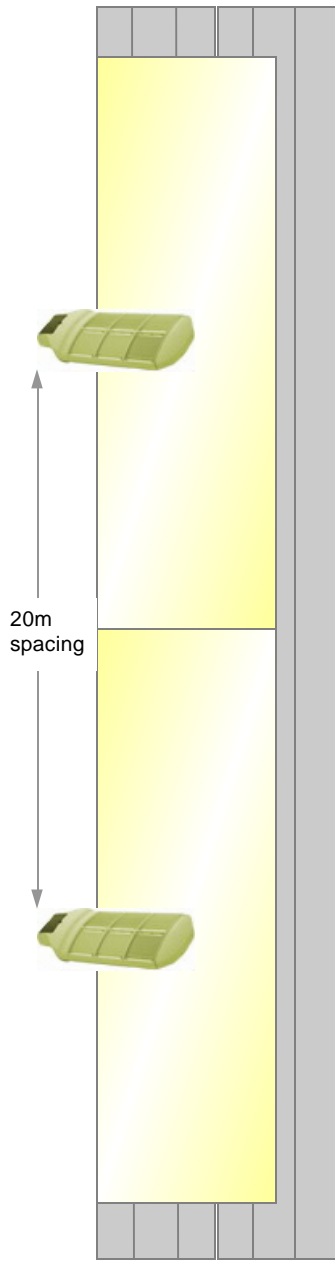
Beam pattern by fixture

12 m height	
Beam pattern 40x16m	
LU6	20 LUX
LU4	13 LUX
LU2	6 LUX
SP90	3 LUX

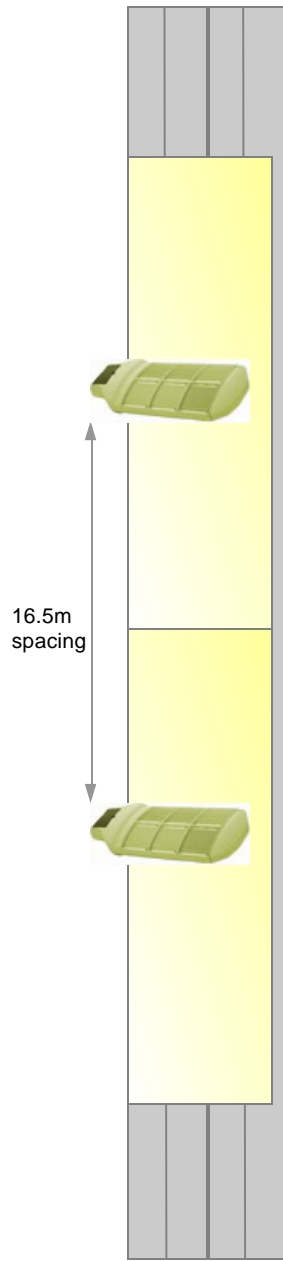
10 m height	
Beam pattern 33x13m	
LU6	28 LUX
LU4	18 LUX
LU2	9 LUX
SP90	4.5 LUX

8 m height	
Beam pattern 26x10m	
LU6	45 LUX
LU4	30 LUX
LU2	15 LUX
SP90	7.5 LUX

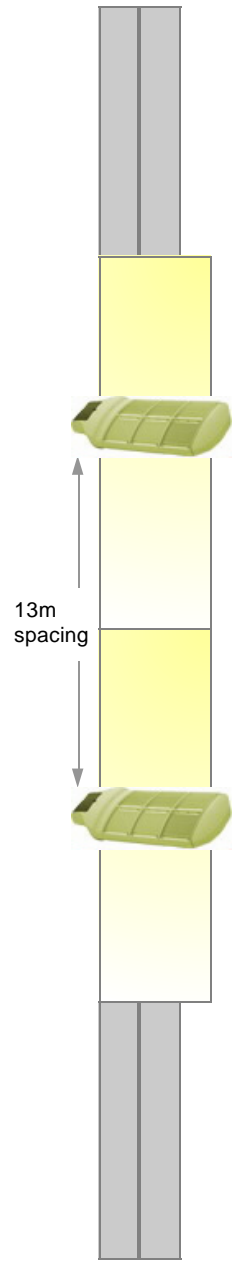
6 m height	
Beam pattern 20x8m	
LU6	80 LUX
LU4	53 LUX
LU2	26 LUX
SP90	13 LUX



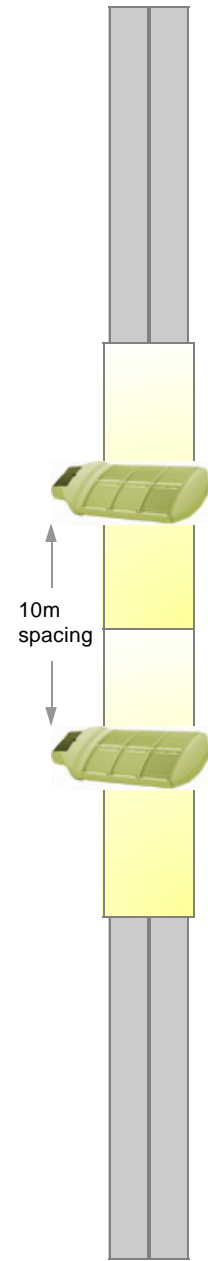
6 lanes - 2 way  
21m wide



4 lanes - 2 way  
14m wide



2 lanes - 2 way  
7m wide



2 lanes - 2 way  
7m wide