

# STREET LIGHT



TIS. 1955-2551



TIS. 902 PART 2(3)-2557



*Signature  
Designed by WIP*



## P SERIES

### Specification

The light shell is die-casting of high quality aluminium alloy, clean and smooth. This is highly efficient technology. Integrated molding of lamps and electric appliances with a compact-sized, beautiful and trendy appearance. It has convenient installation suitable for street, parking, park village, etc., operation and maintenance also provides waterproofing (IP65)

Input Voltage	100-240Vac50/60Hz.	Lens Material	PC	Housing	Aluminium Die Casting
Input Voltage Range	100-305Vac50/60Hz.	LED Light Source	Lumileds, Everlight	Finishing	Powder Coated in grey
AC Input Terminal	Wire 3x1.0 (Length 60 Cm)	CRI	>70	Surge Protection	10kV
Power Factor	>0.95	CCT	2700K, 3000K, 4000K, 5000K, 6500K	Function Soft Start	1min.
Work Temperature	-10°C to + 65°C	Driver	Meanwell / Inventronics / Moso / Sosen	IP Rating	IP65
Beam Angle	70°/150°			Warranty	3 Years
LED Life Time	50,000 hrs.				

Model	Power (W)	Luminous Flux (lm)	Efficiency (lm/W)	Weight (Kg.)	Dimension (mm.)	Standard
WST-P20	20	2,700	135	1.52	205x515x85	
WST-P30	30	4,050	135	1.52	205x515x85	
WST-P38	38	5,130	135	1.52	205x515x85	
WST-P40	40	5,400	135	1.52	205x515x85	
WST-P50	50	6,750	135	1.52	205x515x85	
WST-P60	60	8,100	135	1.80	205x515x85	

EVERLIGHT® INVENTRONICS

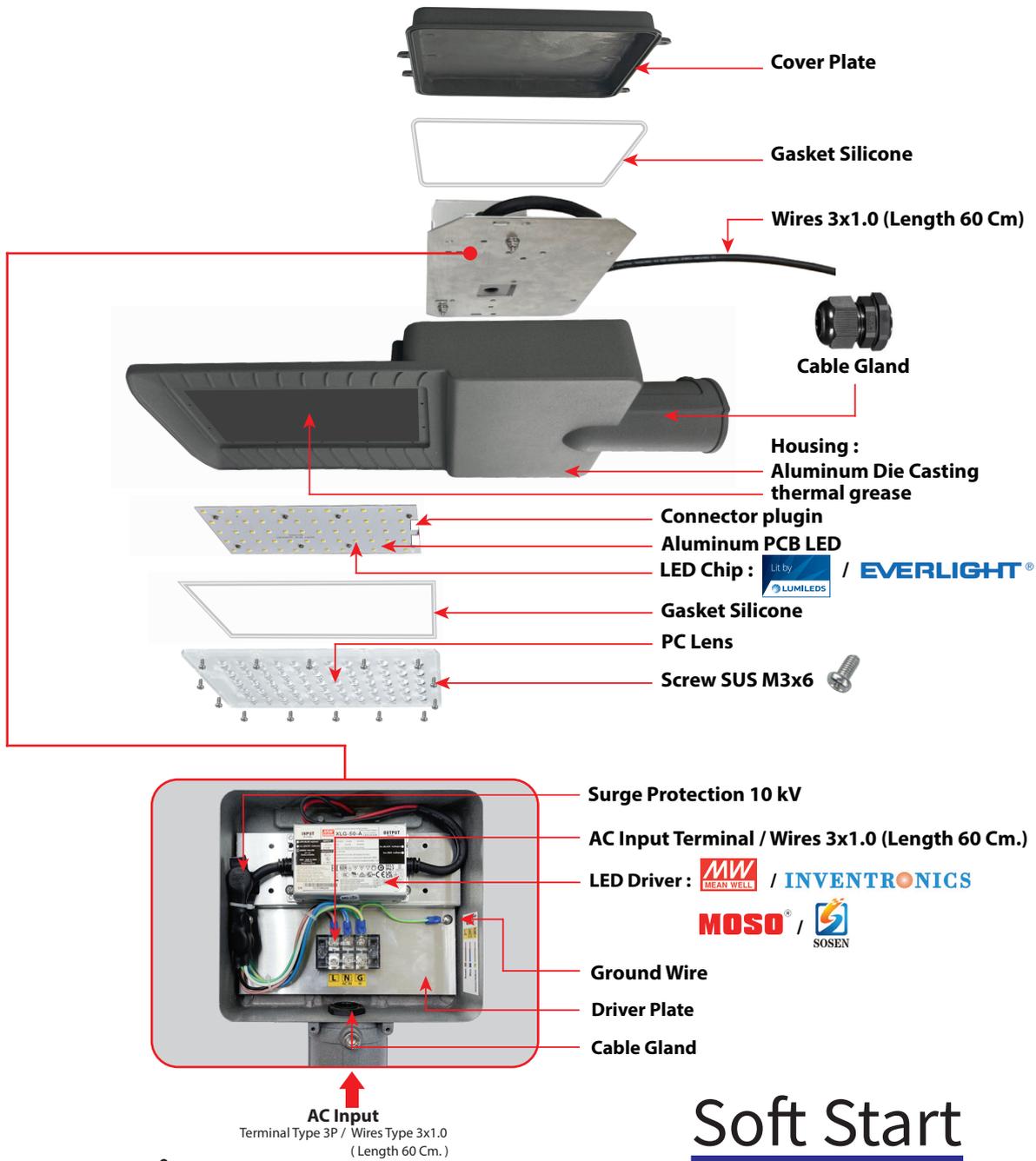


Products of Thailand

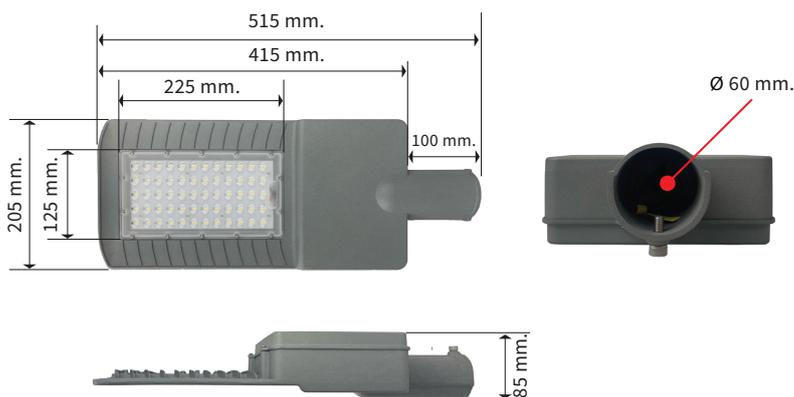
# STREET LIGHT



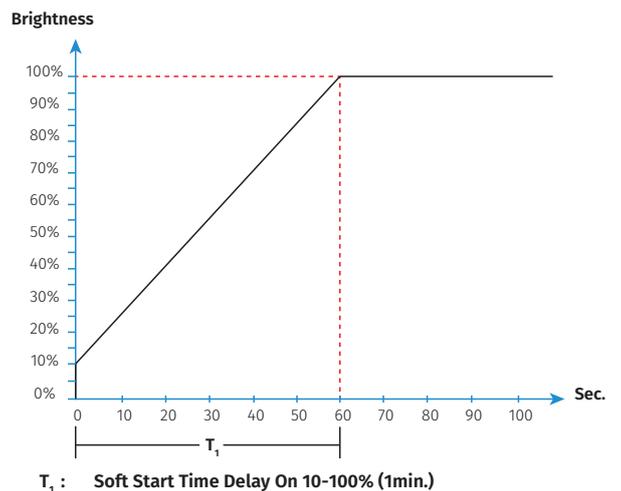
## Assembly Parts



## Dimension



## Soft Start

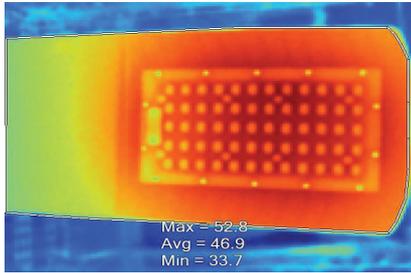


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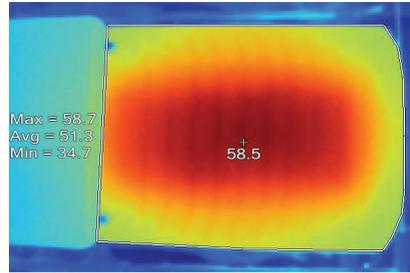
## Thermal temperature measurement



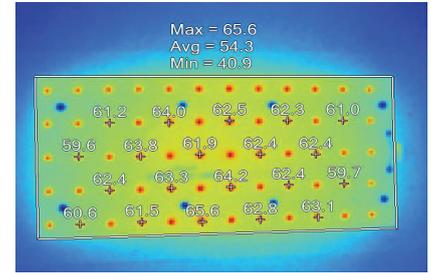
### Test Result



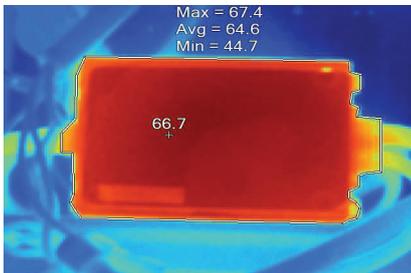
Name	Avg	Min	Max
Front or LENSs	46.9°C	33.7°C	52.8°C



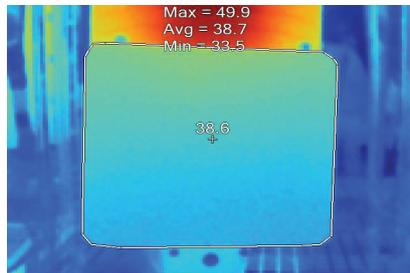
Name	Avg	Min	Max
Housing	51.3°C	34.7°C	58.7°C



Name	Avg	Min	Max
PCB LED	54.3°C	40.9°C	65.6°C



Name	Avg	Min	Max	Tc.
Driver	64.6°C	44.7°C	67.4°C	66.7°C



Name	Avg	Min	Max
Behind	38.7°C	33.5°C	49.9°C

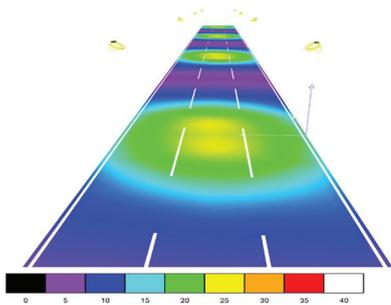
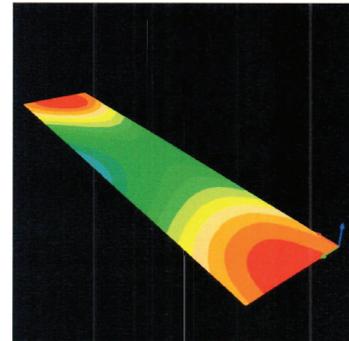
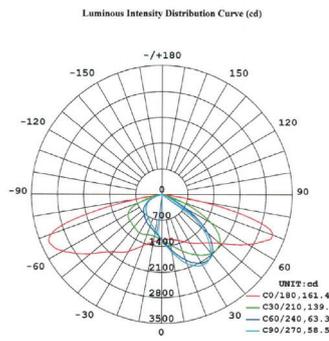
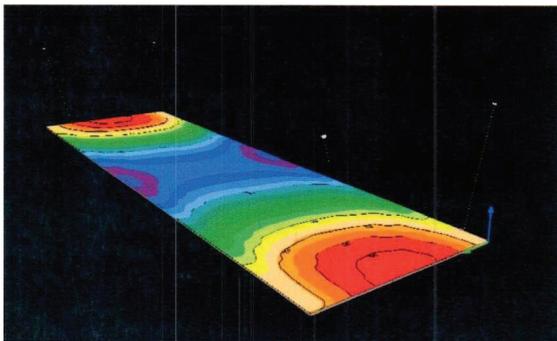
### Ambient Temperature

Ambient Temperature : 40 °C

Humidity : 100%

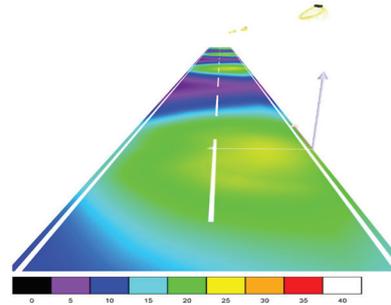
\*TC = Case Temp.

## Calculation results



LED Street Light : WST-P38  
Mounting Height : 7.5 M  
Pole Distance : 40 M  
Luminaire Wattage : 38W  
Opposite  
Lux on floor :

12 lux
Pole height : 7.5M
Pole distance : 40M
Road width : 12M



LED Street Light : WST-P60  
Mounting Height : 7.5 M  
Pole Distance : 40 M  
Luminaire Wattage : 60W  
Singer - Side  
Lux on floor :

13 lux
Pole height : 7.5M
Pole distance : 40M
Road width : 8M

