

SNF288H **ultra-bright** led street light



Applications:

- expressway roads
- urban main roads, secondary roads
- economic development zone and high-tech park road
- industrial and mining plant road
- tourist attractions
- resort road
- park, parking roads

Description of performances:

test report IEC 60598/IEC 62741 IEC 61000/IEC 61547 EN55015 LM80 / LM79	luminous efficiency of led chip 230 lm/W	light efficacy of luminaire 180 lm/W	energy efficiency rating of luminaire Class 1 (≥ 175 lm/W)	energy saving rate @conventional lamp 30%	brand of led driver Trismart led driver
wide input voltage 90-305 Vac	power factor ≥ 0.95	total harmonic distortion $\leq 10\%$	surge lightning protection 6000 V	adjustable angle $-90^{\circ} \sim +90^{\circ}$	IP protection IP66

Product photos:



Technical parameters:

Parameter items	50W	100W	150W	200W	250W
Input voltage (V)	90-305Vac	90-305Vac	90-305Vac	90-305Vac	90-305Vac
Power efficiency	≥95%	≥95%	≥95%	≥95%	≥95%
Power factor	≥0.95	≥0.95	≥0.95	≥0.95	≥0.95
Surge lightning protection (V)	6000	6000	6000	6000	6000
Total harmonic distortion	≤10%	≤10%	≤10%	≤10%	≤10%
Luminous efficiency for led (lm/W)	230	230	230	230	230
Light efficacy for luminaire (lm/W)	180	180	180	180	180
Energy efficiency rating of lamp	Class 1	Class 1	Class 1	Class 1	Class 1
Energy saving rate	30%	30%	30%	30%	30%
Luminous flux for luminaire (lm)	9000±5%	18000±5%	27000±5%	36000±5%	45000±5%
Correlated color temperature (K)	2500-5000	2500-5000	2500-5000	2500-5000	2500-5000
Color rendering index (Ra)	≥75	≥75	≥75	≥75	≥75
Beam angle (°)	140°*70°	140°*70°	140°*70°	140°*70°	140°*70°
LED lifespan (h)	≥100000	≥100000	≥100000	≥100000	≥100000
Working temperature (°C)	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C	-35°C - +55°C
IP protection	IP66	IP66	IP66	IP66	IP66
IK protection	IK08	IK08	IK08	IK08	IK08
Brand of led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver	Trismart led driver
Installation mode of led driver	built-in	built-in	built-in	built-in	built-in
Tilt adjustable (°)	-90° - +90°	-90° - +90°	-90° - +90°	-90° - +90°	-90° - +90°
Dimensions (mm)	457*300*90	535*300*90	613*300*90	691*300*90	769*300*90
Weight (Kg)	5.0	6.0	7.0	8.0	9.0
Diameter of installation pipe (mm)	φ60	φ60	φ60	φ60	φ60
Recommended mounting height (m)	6	7-8	9-10	11-12	13-14
Warranty	5 years	5 years	5 years	5 years	5 years

Note: 1. According to GB 37478-2025: the luminous efficacy of Class 1 energy-efficient led street light is 175 lm/W; for Class 2, it is 155 lm/W; and for Class 3, it is 130 lm/W.

2. Energy saving rate is compared with the conventional luminaire of class 3 energy efficiency rating.

