

Hi-Lighter

- Optimum design with Nichia LED chip
- Luminous flux up to 21,600lm (180W)
- Luminous Efficacy up to 120lm/W
- Electricity: 100-240Vac, 50/60Hz, PF≥0.93
- LED Lifespan > 50,000 hours (Ta=30°C@L70)
- Energy saving up to 90%
- CCT: 4000K (3000K & 5000K optional)
- CRI > Ra70 (CRI>Ra80 optional)
- Beam angle: R17601 and R17602 optional
- Superior uniformity
- Superior thermal stability
- Thermal test conducted at most adverse conditions
- Meanwell or Inventronics driver
- No external reflectors required
- PC cover : Safe for industrial applications
- Operating temp: -30~+50°C
- Body: Aluminum alloy
- Stainless steel screws
- IP66 protection rating
- 5 years warranty



Hi-Lighter Product Range

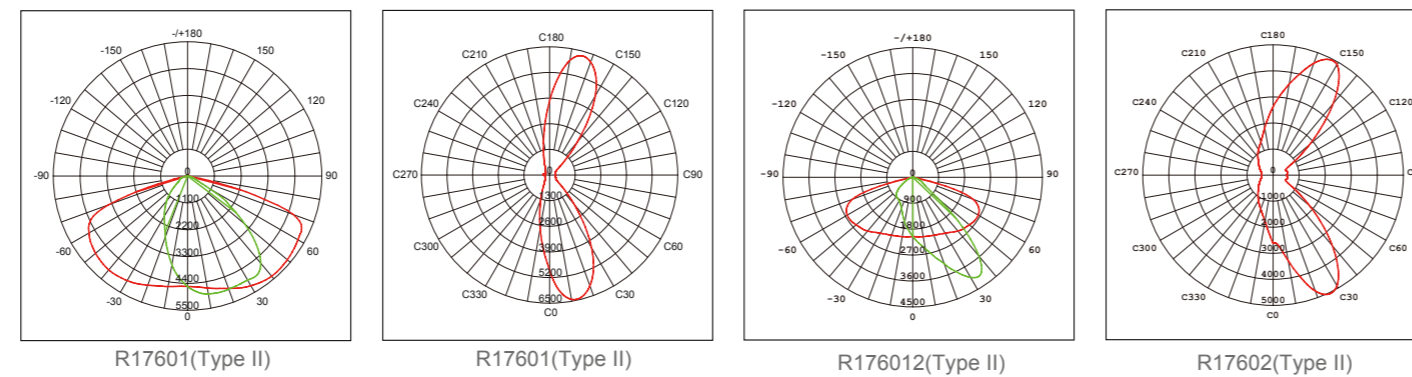
Part Number	ST07-030	ST07-050	ST07-070	ST07-090	ST07-120	ST07-150	ST07-180
Lumen Output	3,600lm	6,000lm	8,400lm	10,800lm	14,400lm	18,000lm	21,600lm
Wattage	30W	50W	70W	90W	120W	150W	180W
Luminous Efficacy	120lm/W	120lm/W	120lm/W	120lm/W	120lm/W	120lm/W	120lm/W
CCT	4000K, 3000K, 5000K						
CRI	>Ra70, >Ra80						
Beam Angle	R17601, R17602						
Input Voltage	100-240Vac/100-277Vac 50-60hz PF≥0.93						
IP Rating	IP66						
LED Driver	Meanwell, Inventronics						
HID Equivalent	100W	120W	120W-180W	250W	300W-400W	400W-600W	650W
Certification Pending	CE, CB, SAA, DLC, RoHS						

Control Options

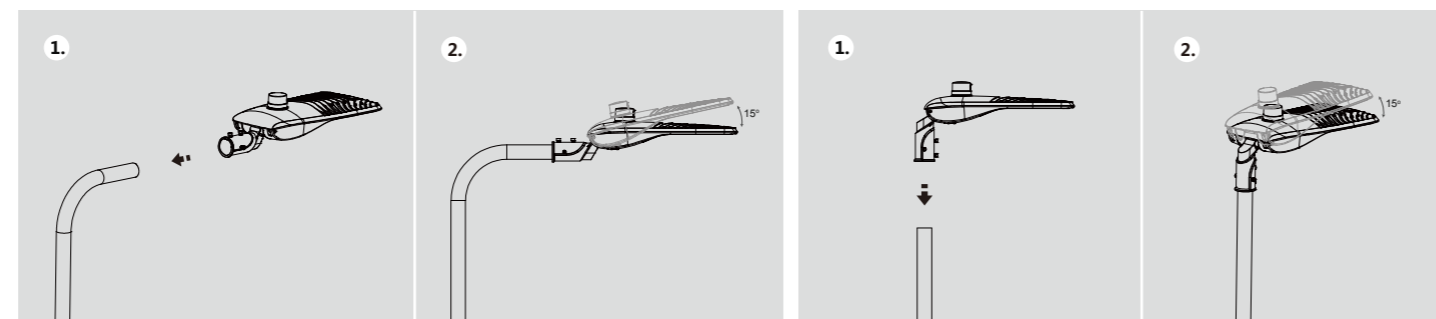
Part number indicates which type of control it is.

Daylight Sensor Control	1-10V Dimming Control	Timing Control	Solar Control	DALI Control
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Photometric Diagrams



Mounting Options



Hi-Lighter



Hi-Lighter, A Professional Outdoor Lighting Product

Luminous Efficacy 120lm/W

Current light distribution type of HiLighter is Type II Medium, which is suitable for wide range of road applications (such as fast-speed, medium-speed, and low-speed roads), and complies with many lighting level and standards.

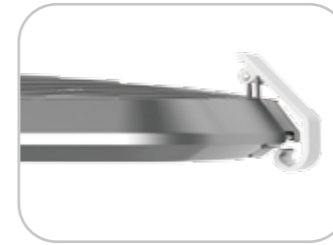
Lighting classes	ME1	ME2	ME3	ME4	ME5	ME6	S1	S2	S3	S4	S5	S6
120W												
150W												
180W												

- * Mounting heights: 8 to 12m
- * Street coating: R1, R2, R3, R4
- * Mast spacing: up to 50m
- * Color temperature: 4000K, 3000K and 5000K
- * Variants from 10900lumens to a power variant 21000lumens
- * Covering the whole roadway without any Dark Spots
- * Compliance with CIE, EN and IESNA Lighting Standards



Streamlined Heat Sink

- Arc-shaped cooling fins accelerate airflow, enhancing efficient heat dissipation. This allows the temperature of LEDs negative electrode to be within 50°C.



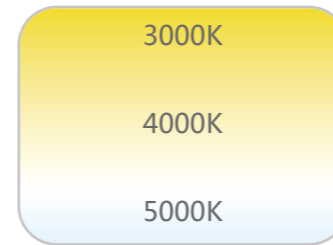
Easy Maintenance

- heat sink holding buckles can be opened without tools.
- Supporting bracket to hold upper & lower sections of the luminaire when requires to open for maintenance purpose.



Easy to Replace LED Driver

- The LED driver is fixed by buckles, which can be easily replaced or reinstalled without any tools.



Multiple CCT Options

- 4000K, 3000K and 5000K options available



Auto Power cut off Protection

- Power cut off automatically when the fixture body opened.



Surge Protection

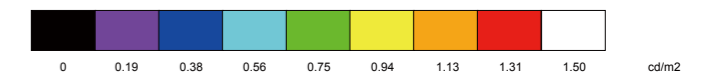
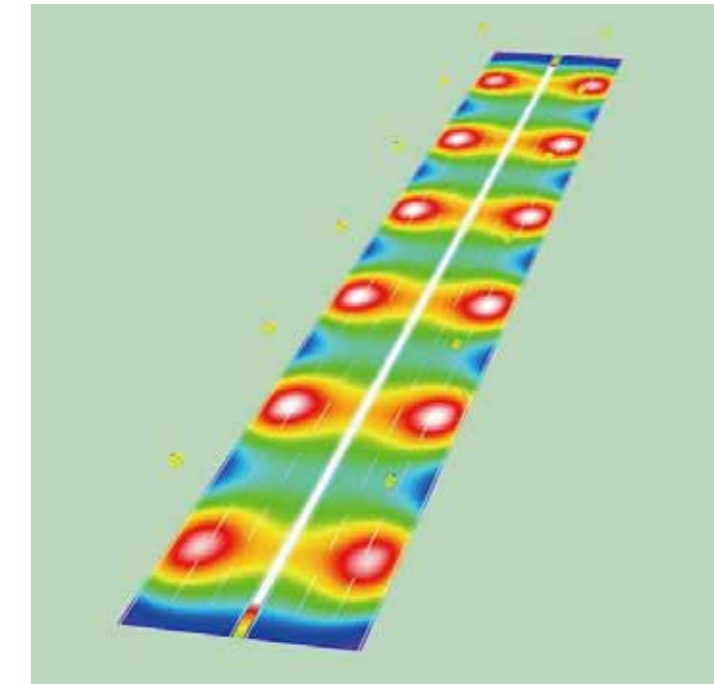
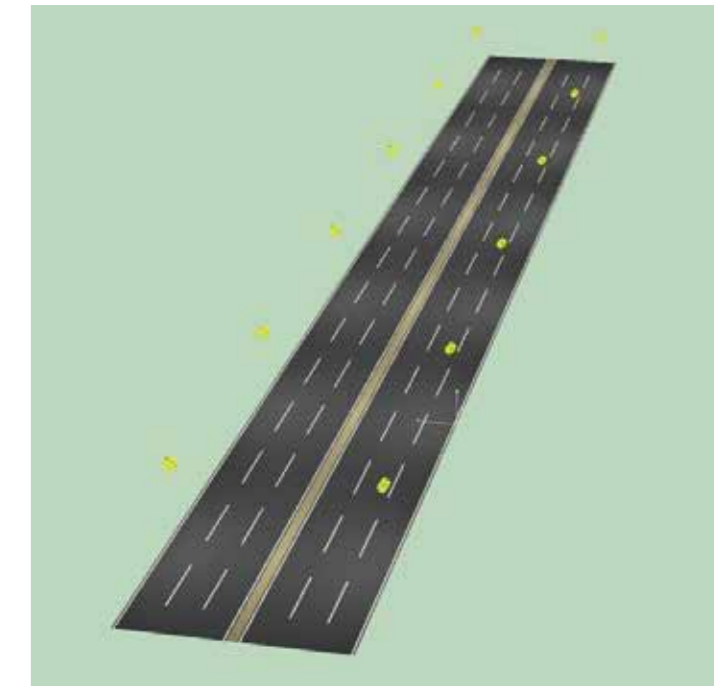
- Integrated Surge Protection Device (SPD) for protection from lightning strike etc



Smart Control

- Daylight Sensor ,optional
- Timer based control system ,optional
- Centralized monitoring system for fault detection

Hi-Lighter Dialux Simulation



ST07 R17601(Type II) 4000K Ra70

Calculation Field List

Valuation Field Roadway 1
 Length: 25.000 m, Width: 10.500 m
 Grid: 10 x 9 Points
 Accompanying Street Elements: Roadway 1.
 tarmac: R3, q0: 0.070
 Selected Lighting Class: ME1 (All lighting performance requirements are met.)

	L _{av} [cd/m²]	U0	UI	TI [%]	SR
Calculated values:	2.08	0.69	0.91	7	0.75
Required values according to class:	≥ 2.00	≥ 0.40	≥ 0.70	≤ 10	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓