

# LED Street light *STL & STE Series*

**NEWVISION****CREE** 

- Simple modular design
- Over 300,000 hours life expectancy
- 10 years manufacturer's warranty
- Modern one-piece design
- Up to seven module options
- Rated to IP66
- Designed to operate in temperatures up to 50°C



**The New Vision Street Light is specifically designed with the the highest possible specifications.**

## Key Features:

Advanced Cree LED chips are used for their excellent performance and reliability to give 135 lumens per watt on the overall fixture performance.

Each LED module within the street light is manufactured with aluminium and designed to maximise surface area giving it excellent heat dissipation, durability and less weight. The aluminium finish is very smooth, reducing the likelihood of dirt / debris buildup.

The aluminium alloy outer casing is powdercoated in polyester TGIC to offer good mechanical and chemical resistance against corrosion and other adverse conditions.

A high performance driver is installed in an IP66 compartment to protect it from moisture ingress, it is also fully controllable and compatible with both DALI and 1-10V dimming systems. Driver also boasts a 90% efficiency, auto restart function as well as automatic dimming in over temperature situations.

# Street Light - STL & STE series

Family : Weather Proof / Street Light / STL & STE

## Technical Overview

Product Code	No. of Heads	Dimensions Length x Width x height	Chips		Lamp				
			CRI	Efficacy	Photometric		Electrical		
					Efficacy	Lumen	Input Voltage	Input current @ 240Vac	System Power
<b>STL</b>									
STL-01027-740-S01	1	495 x 350 x 95mm	>70	190 lm/W	135 lm/W	3,645 lm	200-240 Vac (50/60Hz)	113 mA	27.0 W
STL-02054-740-S01	2	580 x 350 x 95mm	>70	190 lm/W	135 lm/W	7,290 lm		225 mA	54.0 W
STL-03081-740-S01	3	665 x 350 x 95mm	>70	190 lm/W	135 lm/W	10,935 lm		338 mA	81.0 W
STL-04108-740-S01	4	750 x 350 x 95mm	>70	190 lm/W	135 lm/W	14,580 lm		450 mA	108.0 W
STL-05135-740-S01	5	835 x 350 x 95mm	>70	190 lm/W	135 lm/W	18,225 lm		563 mA	135.0 W
STL-06162-740-S01	6	920 x 350 x 95mm	>70	190 lm/W	135 lm/W	21,870 lm		675 mA	162.0 W
STL-07189-740-S01	7	1,005 x 350 x 95mm	>70	190 lm/W	135 lm/W	25,515 lm		788 mA	189.0 W
<b>STE</b>									
STE-01040-740-S01	1	495 x 350 x 95mm	>70	190 lm/W	120 lm/W	4,800 lm	200-240 Vac (50/60Hz)	167 mA	40.0 W
STE-02080-740-S01	2	580 x 350 x 95mm	>70	190 lm/W	120 lm/W	9,600 lm		333 mA	80.0 W
STE-03120-740-S01	3	665 x 350 x 95mm	>70	190 lm/W	120 lm/W	14,400 lm		500 mA	120.0 W
STE-04160-740-S01	4	750 x 350 x 95mm	>70	190 lm/W	120 lm/W	19,200 lm		667 mA	160.0 W
STE-05200-740-S01	5	835 x 350 x 95mm	>70	190 lm/W	120 lm/W	24,000 lm		833 mA	200.0 W


### notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 740 in code with 727 or 760
- 2700K products will yield 5% less efficacy and therefore 5% less light output
- Efficacy between Chip and Lamp level differs due to optical & driver losses

Specifications	
Operating temperature	-25 to +40°C
Driver life expectancy	100,000 hours (MTBF @ta=25°C)
Lumen maintenance (calculated)	
STL	L90 B10 @ 100,000 hours
@ max. power	L80 B10 @ 200,000 hours
@ ta=25°C	L70 B10 @ 300,000 hours
STE	L90 B10 @ 67,500 hours
@ max. power	L80 B10 @ 130,000 hours
@ ta=25°C	L70 B10 @ 200,000 hours
Warranty	7 years
Protection rating	IP66 / IK09
Diffuser Material	Polycarbonate
Body material	Aluminium Alloy HE9

- Lumen maintenance is calculated based on data from TM-21 report.

Actual calimed values are 60,000hrs for all L70, L80 & L90

Compliance			
Low Voltage (Safety) Directive 2014/35/EU			
EN 60598-1	EN 60068-2-57		
EN 60598-2	EN 60068-2-11		
EN 62471			
EMC Directive 2014/30/EU			
EN 55015	EN 61000-3-2		
EN 61547	EN 61000-3-3		
EN 62493			
LED Drivers			
EN 61347-1	EN 62384		
EN 61347-2-13			
SELV 60	CE		ROHS