

Lamina

Two-Compact

LED Street Lighting
Luminaire for
Suburban and
Private entities

Versatile, modular
and highly
adaptable

Suitable for both
new installations
and retrofitting

10-50W
100 Lm/W
IP65



Physical specifications

Mass	: 0.995kg
Dimensions	: L 334mm*W 128mm* T 65mm
Body	: Die Cast Aluminum, Electrostatically coated
Emitting Surface	: PMMA Lenses
Ingression Protection	: IP65
Mechanical Impact resistance	: IK08
Mounting	: Pole arm up to 50mm, Tightening bolts
Running temperature	: -20 to 45°C

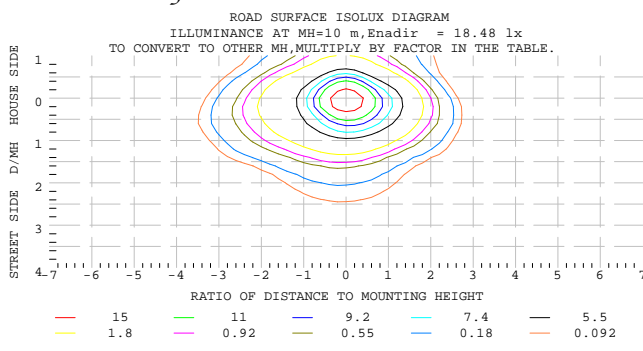
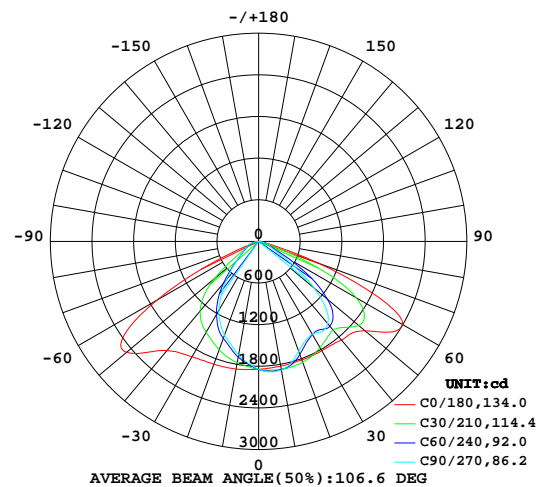


Through fine selection of body material and die casting method, mechanical strength is ensured even against worst of conditions while in the same time providing good heat dissipation maintaining LED life. Light weight and slim for factor offer ease of installation and low mechanical stress on old retrofitting installations. High quality lenses offer sustained chromatic and photometric properties without compromising strength or hardness.

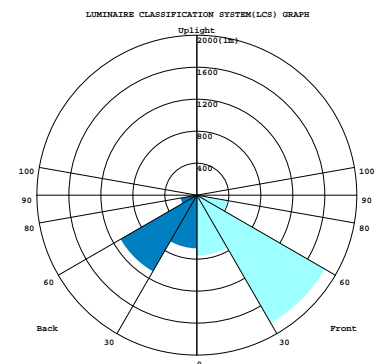
Photometric Characteristics

Light Source	: SMD LEDs 2835
Total Luminous flux	: 5000 Lumen (+/-3%) @ 50W
Efficacy	: 100 Lm/W
Maximum Luminance	: 2657 Candela @ 50W
SLI	: 17.305

High efficiency LEDs with precisely selected driver provide high efficacy.
 Perfectly selected Lenses provide best street lighting characteristics, uniform lighting along with no gaps in between the poles, no unnecessary spread losses and good surrounding illumination.
 Can easily achieve illumination class requirements for A1-6 and S1-6 Classes for Urban/Suburban areas, along with ME4A for Motorized roads.



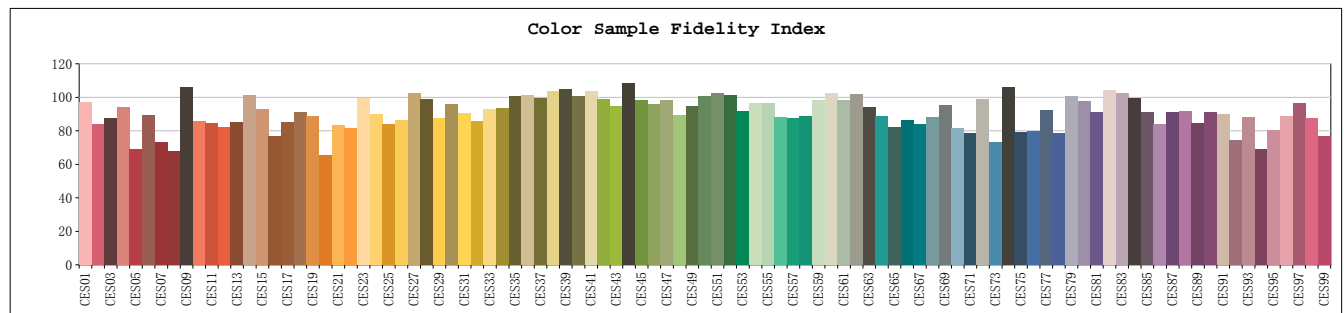
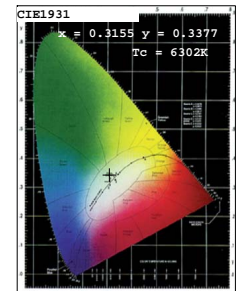
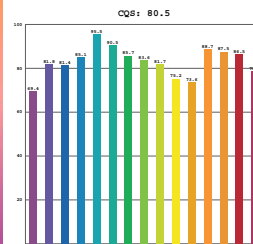
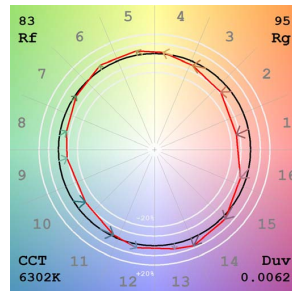
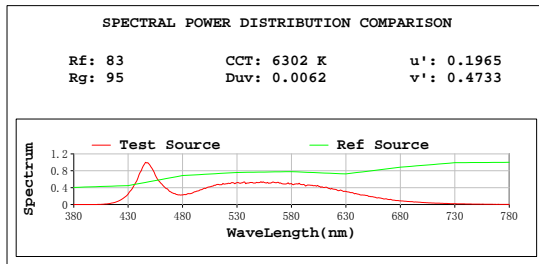
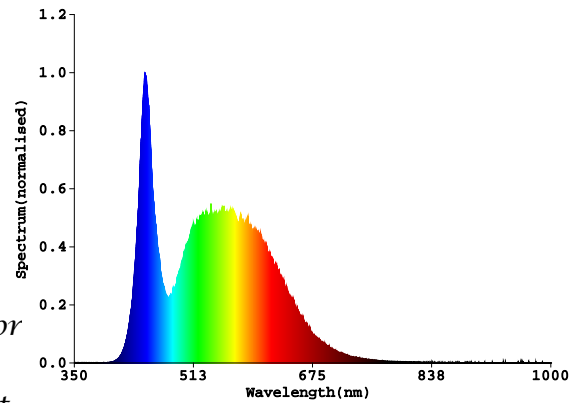
According to LB/T001-2008:
 U = Emin/Eavg = 0.294
 Eavg = 15.08 lx



Spectrometry

Correlated Color Temperature(CCT)	: 6300°K (Pure white)
Dominant Wavelength	: 494.9nm
Color Rendering index (Ra)	: 81.5
TM-30 Fidelity Index (Rf)	:83
TM-30 Gamut Index (Rg)	: 95
CQS Qa	: 81.75
CQS TLCI	: 71
CQS	: 80.5

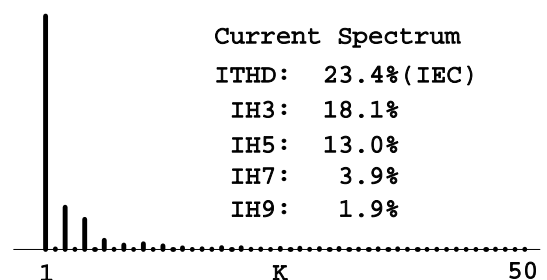
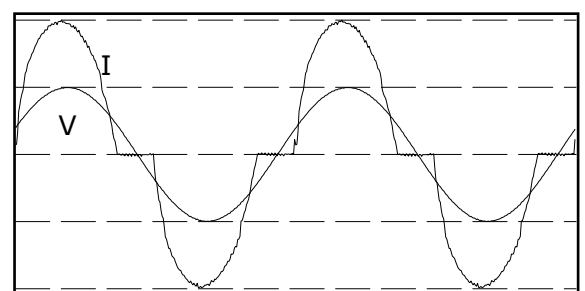
Owing to rich color nature of LEDs used, realistic color rendering is achieved offering correct and precise identification of colors while achieving eye comfort at the same time.



Electrical Parameters

Typical power supply	: 220VAC, 50Hz
Supply Limits	: 170-400VAC, 50/60Hz
Power	: 10-50W (50W Def.)
Current	: 0.246 A (RMS)
Power Factor	: 0.971
Total Harmonic distortion (THDI)	: 23.4%
Surge Protection	: 4kV

Due to using high frequency PWM drivers, good electrical properties are achieved for both the grid (minimum distortion and continuous operation even against extreme conditions) and the LEDs (stable current supply independent of grid conditions). Also running the LEDs on high frequency DC pulse wave provides best light vs. thermal performance and guarantees eye comfort (compared to classical gas discharge lighting running on grid frequency)



Art. No.

STLS2-SMD05026501

Lamina2 LED Street Luminaire

50W

6500°K

Your ultimate solution
for suburban and
private entities
street lighting



Sega-M Warranty : 3 Years
Extended Warranty : Optional

Sources for software simulation for installation (*.IES, *.LDT files) and advanced test results are available on request

Performance described above requires proper installation according to internationally recognized codes and within mentioned operational limitations.

Any properties not directly affecting photometric, spectrometric or electrical performance are liable to change without prior notice.

Sega-M Electrical Products

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