



100W LED Street Light, 14000lm, 5000K, 0-10V Dimmable, IP65, Wall or Pole Mount

- 100W input with 14,000 lumen output at 140 lm/W efficacy
- Seoul SMD3031 LED chips at 98 LEDs/m density
- 0-10V dimmable via integrated Sosen driver
- IP65-rated aluminum and polycarbonate housing
- Rated for -30°C to 50°C ambient operating range
- 50,000-hour rated LED lifetime

OVERVIEW

The 1-ST-RM100-50K-B-SC is a 100W LED street light for roadway, parking lot, and area lighting applications, mounted to a wall bracket or pole arm. It uses a Seoul SMD3031 LED array at 98 LEDs/m paired with a Sosen driver, housed in an aluminum and polycarbonate enclosure rated IP65 for wet-location use.

The fixture outputs 14,000 lumens at 5000K CCT with a CRI of 70 and an efficacy of 140 lm/W, operating on 120-277V input with 0-10V dimming. Rated LED lifetime is 50,000 hours across an ambient operating range of -30°C to 50°C. Dimensions are 22 × 13.25 × 2.25 in and the unit weighs 14 lb.

The fixture is listed to UL and DLC standards and carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	14,000 lm
Efficacy	140 lm/W
Color Temperature	5,000 K
CRI	70
LED Chip Type	Seoul SMD3031
LED Density	98 LEDs/m
LED Lifetime	50,000 h
Light Color	White
Lens Type	Polycarbonate

MECHANICAL

Product Dimensions	22 × 13.25 × 2.25 in
Finish	Bronze
Material	Aluminum and polycarbonate
Weight	14 lb

ELECTRICAL

Operating Voltage	120-277 V
Wattage	100 W
Dimmer Type	0 - 10V
Driver	Sosen

ENVIRONMENTAL

IP Rating	IP65
Ambient Operating Temperature	-30-50 °C -22-122 °F

ORDERING

Warranty

1 y

CERTIFICATIONS & COMPLIANCE



UL Listed



DesignLights Consortium Premium

APPLICATIONS

- Roadway and street lighting
- Parking lot and area lighting
- Pedestrian walkway lighting
- Industrial yard lighting
- Commercial site perimeter lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	14,000 lm	db	high
efficacy_lm_per_w	140 lm/W	db	high
cct_k	5,000 K	db	high
cri	70	db	high
led_chip_type	Seoul SMD3031	db	high
led_density	98 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
lens_type	Polycarbonate	db	high
operating_voltage	120–277 V	db	high
wattage	100 W	db	high
dimmer_type	0 - 10V	db	high
driver	Sosen	db	high
product_dimensions	22 × 13.25 × 2.25 in	db	high
finish	Bronze	db	high
material	Aluminum and polycarbonate	db	high
weight	14 lb	db	high
ip_rating	IP65	db	high
ambient_temp_c	-30–50 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.