



100W LED Corn Bulb, E39 Mogul Base, 5000K CCT, 13,000 Lumens, IP64

- 100W power draw with approximately 130 lumens per watt efficacy
- Delivers roughly 13,000 lumens at 5000K color temperature
- E39 mogul base fits existing HID and metal halide fixtures
- IP64 rated for combined indoor and outdoor installation
- 360-degree beam angle provides omnidirectional light coverage
- Rated LED lifetime of 50,000 hours reduces relamping frequency

OVERVIEW

The 8-E40-CN100-5K-UL is a 100W LED corn bulb with an E39 mogul base, designed as a direct replacement for high-wattage HID, metal halide, and high-pressure sodium lamps in commercial and industrial fixtures. Typical applications include high-bay warehouses, parking structures, street lighting, and large-area indoor spaces where mogul-base sockets are already in place.

This bulb operates at 100W and delivers approximately 130 lumens per watt, yielding roughly 13,000 lumens at a color temperature of 5000K for crisp, daylight-quality output. It carries a CRI of 80+ and an IP64 rating suitable for both indoor and outdoor environments where dust and water resistance are required, with a 360-degree beam angle for omnidirectional coverage and a rated LED lifetime of 50,000 hours. Operating voltage range is 120-240V, and the bulb is backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	13,000 lm
Efficacy	130 lm/W
Color Temperature	5,000 K
CRI	80
Beam Angle	360°
LED Lifetime	50,000 h

MECHANICAL

Mounting	E39 Mogul Base
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ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	120-240 V
Wattage	100 W

ENVIRONMENTAL

IP Rating	IP64
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APPLICATIONS

- High-bay warehouse lighting
- Parking structure and garage lighting
- Street and area lighting retrofits
- Large indoor industrial spaces
- Outdoor security and yard lighting

slug	value	source	confidence
lumens	13,000 lm	pdf	medium
efficacy_lm_per_w	130 lm/W	pdf	high
cct_k	5,000 K	pdf	high
cri	80	db	high
beam_angle_deg	360°	db	high
led_lifetime_h	50,000 h	db	high
operating_voltage	120–240 V	db	high
wattage	100 W	db	high
mount_type	E39 Mogul Base	pdf	high
ip_rating	IP64	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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