

## DESCRIPTION

Reduce energy and maintenance costs by replacing 100W metal halide bulbs with these more efficient 36W LED corn bulbs.

## FEATURES

- 36W for highly efficient performance
- Mogul E39 base
- Wattage and color temperature is adjusted via dip switches on the bulb; see installation instructions for more information
- Ballasts, capacitors, and starters must be removed (bypassed) from fixture during installation; see installation instructions for more information

## LISTINGS

- UL rated for damp locations
- IP64
- RoHS
- Rated for use in enclosed fixtures
- DesignLights Consortium® 5.1 Standard - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance; DLC PN - PLTSNA41432

## PERFORMANCE

- CRI: >80
- CCT: 3000K, 4000K and 5000K
- Rated lifetime L70: 50,000 hours
- Philips Lumileds LEDs

## THERMAL

- -40°F to 122°F or (-40°C to 50°C) operating temperature

## ELECTRICAL

- THD: ≤20%
- Power Factor: ≥0.9
- Input Voltage: 120-277V
- Surge Protection: 4kV

## INSTALLATION

- S/MH (C0/C180): 2.79
- S/MH (90/C270): 2.81

project name	type
catalog number	
comments	voltage
approved by	date



## WARRANTY

- 5 year limited warranty; see [pltsolutions.com](http://pltsolutions.com) for warranty details

## APPLICATIONS

- Schools
- Factories
- Hotels
- Offices
- Conference Rooms
- Hospitals

PERFORMANCE	Power Consumption	18, 27, 36 Watt*
	CRI	>80
	CCT	3000K, 4000K, 5000K*
	Life (L70)	50,000
ELECTRICAL	Power Factor	≥0.9
	THD	≤20%
	Input Voltage	120-277V
CONSTRUCTION	Operating Temperature	-40°F to 122°F or (-40°C to 50°C)
	Base	E26
LISTINGS	Certifications	UL Listed; IP64
	Material Usage	RoHS - No mercury or lead
	Environment	Damp Location Rated; Enclosed Fixture Rated

\*See Selectable Table for full breakdown

# PERFORMANCE SUMMARY

Item #	Voltage	Replaces	CCT	CRI	Beam	Life/Hours	DLC #	DLC Rating
PLTS-12087	120-277V	MH100	3000K/ 4000K/5000K	>80	280°	50,000	PLTSNA41432	5.1 Standard

## SELECTABLE TABLE

Wattage	CCT	Lumen	Efficacy
18	3000K	2101	116
	4000K	2334	129
	5000K	2332	129
27	3000K	3152	116
	4000K	3501	129
	5000K	3498	129
36	3000K	4203	116
	4000K	4669	129
	5000K	4664	129

## DIMENSIONS



### DIMENSIONS

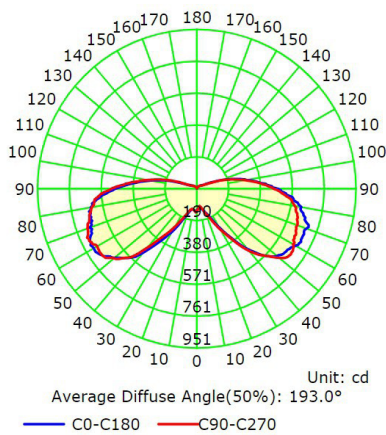
Height: 8.30"

Width: 3.35"

Weight: 1.23 lbs

## PHOTOMETRICS

Luminous Intensity Distribution Curve



## WARNINGS

- Not for use with dimmers.
- Not for use with emergency exits or lighting.
- Minimum lamp compartment size: 14.96" x 7.87" x 7.87"