



# TDD LED

## LED Area Luminaire



Catalog  
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

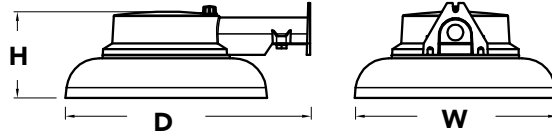
### Specifications

**Width:** 11"  
(28 cm)

**Height:** 4.7"  
(13.3 cm)

**Depth:** 13-1/2"  
(34 cm)

**Weight:** 2.45 lbs  
(1.11kg)

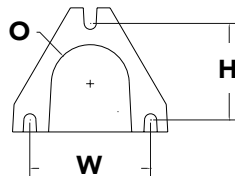


### Backplate

**Width:** 2-3/4"  
(7 cm)

**Height:** 2-1/4"  
(5.6 cm)

**Opening:** 1-3/4"  
(4.5 cm)



### Introduction

The popular TDD LED luminaire is now available with long-lasting, energy-efficient LED technology. Featuring a classic dayform, the TDD LED offers a fresh update to a traditional appearance and is powered by advanced LEDs.

The TDD LED luminaire is powerful yet energy efficient, capable of replacing up to a 100W metal halide luminaire while saving up to 84% in energy costs. Offering an expected service life of more than 10 years, the TDD LED eliminates frequent lamp and ballast replacements associated with traditional technologies.

### Ordering Information

**EXAMPLE:** TDD LED P1 40K 120 PE DNA M4

TDD LED						
Series	Light Engine	Color Temperature	Voltage	Controls	Finish	Option
TDD LED	P1 3,096 lumens	40K 4000K <sup>1</sup>	120 120 volts	PE Photocell	DNA Grey	M4

### Accessories

Ordered and shipped separately.

OMA Mounting Arm

### NOTES

1 Correlated color temperature (CCT) shown is nominal per ANSI C78, 377-2008.

### FEATURES & SPECIFICATIONS

#### INTENDED USE

The energy savings, long life and easy-to-install design of the TDD LED make it the smart choice for building-and post-mounted doorway, pathway and yard illumination for nearly any facility.

#### CONSTRUCTION

Die-cast aluminum housing with span aluminum shroud, has an impact-resistant, polycarbonate lens which protects the LEDs. The fixture is sealed against moisture and environmental contaminants.

#### FINISH

Exterior parts are protected by a thermoset powder-coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 2 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

#### OPTICS

Protective polycarbonate lens covers the light engine's LEDs. Light engines are available in 4000K (80 min. CRI) configurations.

#### Electrical

Light engine consists of two multi-chip, high-output LEDs mounted on an integral aluminum heat sink to maximize heat dissipation and promote long life (L98/50,000 hours at 40°C). 2.5kV surge protection. Electronic driver operates at 120V. Integrated photocell is standard. No user serviceable parts.

#### Installation

Easily mounts to a wooden post or pole using 2" lag screws, included. Compatible with OMA-1-5/8" mounting arm, sold separately.

#### LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations. ENERGY STAR® certified product.

#### WARRANTY

Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application.

Performance Package	CCT	System Watts	40K (4000K, 73 CRI)				
			Lumens	B	U	G	LPW
1	4000K	31W	3,096	B1	U0	G0	100

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.05
10°C	50°F	1.03
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
40°C	104°F	0.97

### Electrical Load

LED Package	System Watts	Current (A)
		120
1	31W	0.25

### Projected LED Lumen Maintenance

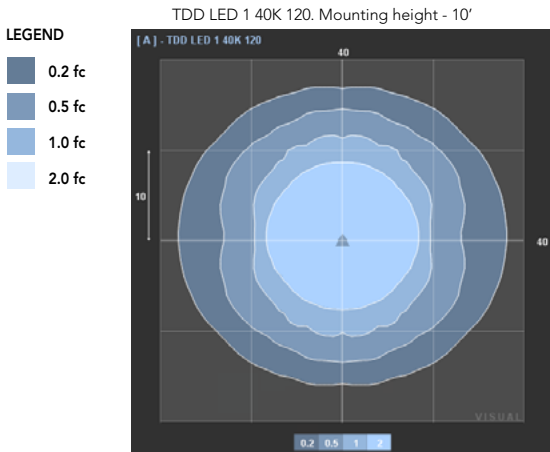
Data references the extrapolated performance projections in a **40°C ambient**, based on 10,000 hours of LED testing (LED lifespan based on IESNA LM-80-08 and calculated per IESNA TM-21-11 methodology).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.90	0.81	0.66

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting Outdoor TDD LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards



## Lighting Facts Labels

Lithonia Lighting

**LED lighting facts**  
A Program of the U.S. DOE

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**Light Output (Lumens)** 3096

**Watts** 30.04

**Lumens per Watt (Efficacy)** 103.06

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**Color Accuracy** 80

Color Rendering Index (CRI)

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**Light Color** 4000 (Bright White)

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

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All results are according to IESNA LM-79-08: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the Label Reference Guide.

Registration Number: NJSM-066MSS (12/12/2016)  
Model Number: TDD LED P1 40K 120 PE DNA (Upgrade: 12/12/2016)  
Type: Luminaire - Area/Roadway

