

ALED4T78

Created: 10/10/2014

Specification Grade Area lights available in IES Type IV distributions. For use in parking lots, roadways, pathways and general area lighting. Mounts to 4" square steel poles at 15-25'. Designed to replace 250W Metal Halide Area Lights. Patent Pending thermal management system. 5 Year Warranty.

LED Info

Watts:	78W	Driver Info	
Color Temp:	5100K (Cool)	Type:	Constant Current
Color Accuracy:	67	120V:	0.66A
L70 Lifespan:	100000	208V:	0.41A
LM79 Lumens:	7,564	240V:	0.35A
Efficacy:	96 LPW	277V:	0.30A
		Input Watts:	79W
		Efficiency:	99%

Technical Specifications

UL Listing:

Suitable for wet locations as a downlight.

Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semi-circular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Effective Projected Area:

EPA = 0.75

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs.

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

THD:

5.1% at 120V, 13.2% at 277V

Color: Bronze

Weight: 31.0 lbs



Housing:

Die cast aluminum housing, lens frame and mounting arm.

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone gaskets.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Replacement:

The ALED78 replaces 250W Metal Halide Area Lights.

California Title 24:

See ALED4T78/D10, ALED4T78/BL, ALED4T78/PCS, ALED4T78/PCSS2, or ALED4T78/PCT for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

PS4-11-20D2

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Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

Weight: 137.0 lbs

Lamp Info

Type:	N/A	Ballast Info	Type:	N/A
Watts:	0W		120V:	N/A
Shape/Size:	N/A		208V:	N/A
Base:	N/A		240V:	N/A
ANSI:	N/A		277V:	N/A
Hours:	0		Input Watts:	0W
Lamp Lumens:	0		Efficiency:	N/A
Efficacy:	N/A			

Technical Specifications

CSA Listed:

Suitable for wet locations.

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover.

Base Plates:

Slotted base plates 36,000 p.s.i.

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage.

Color:

Bronze powder coating.

Terms of Sale:

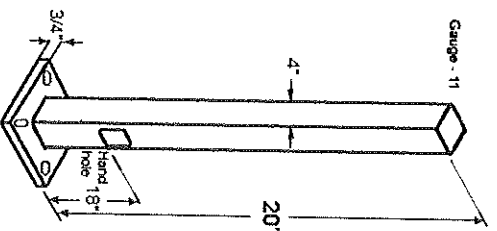
Pole Terms of Sale is available .

Height:

20 FT.

Weight:

137 lbs.



Bolt Circle:
8 1/2"

Base Dimension:
8"

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available .

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge.

MaxEPA's/Max Weights:

70MPH 8.3 ft /240 lb
80MPH 5.6 ft /165 lb
90MPH 3.6 ft /110 lb
100MPH 2.2 ft /75 lb
110MPH 1.0 ft /45 lb
120MPH 0.2 ft /20 lb.