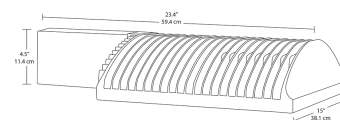# ALED3T78 RCL

Specification Grade Area lights available in IES Type III 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.

Color: Bronze   Weight: 30.4 lbs

LED Info

Watts:	78W
Color Temp:	5100K (Cool)
Color Accuracy:	67
L70 Lifespan:	100000
LM79 Lumens:	6,911
Efficacy:	88 LPW

Driver Info

Type:	Constant Current
120V:	0.66A
208V:	0.41A
240V:	0.35A
277V:	0.30A
Input Watts:	78W
Efficiency:	99%

Technical Specifications

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

IES Classification:
The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:
Ingress Protection rating of IP66 for dust and water.

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:
5.3% at 120V, 13.3% at 277V

Ambient Temperature:
Suitable for use in 40°C ambient temperatures.

Surge Protection:
4kV

Cold Weather Starting:
The minimum starting temperature is -40°F/-40°C.

Thermal Management:
Superior heat sinking with external Air-Flow fins.

Effective Projected Area:
EPA = 0.75

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 warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:
RC'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.

Surge Protector:
ALED78 is available with a 6kV surge protector (SP6). SP6 available .

Green Technology:
Mercury and UV free.

IESNA LM-79 & IESNA LM-80 Testing:
RC 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 ALED3T78/D10, ALED3T78/BL, ALED3T78/PCS, ALED3T78/PCS2, or ALED3T78/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:
RC 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.

cUL Listing:
Suitable for wet locations as a downlight.