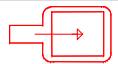







Calculation Summary											
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpclR	PtSpcTb	Meter Type
CalcPts Ground	Illuminance	Fc	1.89	7.6	0.0	N.A.	N.A.	Readings Taken at 0'-0"AFG	10	10	Horizontal
StatArea Parking and Drives	Illuminance	Fc	2.59	7.6	0.5	5.18	15.20	Readings Taken at 0'-0"AFG			

Luminaire Schedule													
All quotes/orders generated from this layout must be forwarded to the Local Rep Agency													
Symbol	Qty	Tag	Label	Arrangement	Lum. Lumens	Arr. Lum. Lumens	LLF	Description	Lum. Watts	Arr. Watts	Total Watts	BUG Rating	
	8	A	ALEDM4TN_78w	SINGLE	10750	10750	1.000	Pole Mount	74.8	74.8	598.4	B1-U0-G3	
	14	E	ALEDM4TWMN_78w	SINGLE	10750	10750	1.000	Wall Mount	74.8	74.8	1047.2	B1-U0-G3	

Expanded Luminaire Location Summary						
LumNo	Tag	X	Y	MTG HT	Orient	Tilt
1	A	6114.2	-92.177	25	304.769	0
2	A	6101.461	-233.404	25	34.739	0
3	A	6061.023	-172.748	25	34.739	0
4	A	6402.961	-2.499	25	310.073	0
5	A	6454.662	37.213	25	332.107	0
6	A	6350.865	6.572	25	300.861	0
7	A	6276.314	-41.909	25	300.861	0
8	A	6183.467	-61.449	25	292.51	0
9	E	6386.531	-65.515	20	35.676	0
10	E	6358.258	-67.315	20	126.869	0
11	E	6329.608	-86.978	20	121.264	0
12	E	6316.793	-112.319	20	212	0
13	E	6312.235	-173.356	20	211.947	0
14	E	6336.291	-209.834	20	211.947	0
15	E	6371.586	-261.693	20	211.947	0
16	E	6407.444	-315.062	20	211.947	0
17	E	6329.484	-457.973	20	212.517	0
18	E	6285.315	-391.721	20	212.517	0
19	E	6242.126	-326.757	20	212.517	0
20	E	6196.869	-259.165	20	212.517	0
21	E	6248.716	-198.431	20	128.261	0
22	E	6198.869	-231.715	20	128.261	0
Total Quantity: 22						

Luminaire Tag Summary	
Tag	Qty
A	8
E	14

NOTES:

\* The light loss factor (LLF) is a product of many variables. RAB's standard is to use the initial 1.0 LLF in accordance with most municipal lighting ordinance light trespass requirements, unless otherwise noted.

\* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

\* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

\* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

\* RAB disclaims all responsibility for the suitability of existing or proposed poles and bases to support proposed fixtures. This is the owner's, installer's and/or end-user's responsibility based on the weight and effective projected area ("EPA") of the proposed fixtures and the owner's site and soil conditions, wind zone, and many other factors. A professional engineer licensed to practice in the state the site is located should be engaged to assist in this determination.

\* The landscape material shown hereon is conceptual and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

\* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB Lighting Design. The owner/contractor/customer/end-user must provide accurate and complete construction drawings that reflect what will be the final construction RAB is not responsible for any inaccuracies caused by incomplete, inaccurate, or outdated information provided by the owner/contractor/customer/end-user.

\* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending may apply. Please see [www.rablighting.com/ip](http://www.rablighting.com/ip).

\* The Lighting Analysis, E2Layout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by RAB Lighting Inc. ("RAB") represents an anticipated prediction of lighting system performance based upon design parameters and information supplied by others. These design parameters and information provided by others have not been field verified by RAB and therefore actual measured results may vary from the actual field conditions. RAB recommends that design parameters and other information be field verified to reduce variation.

\* RAB does not warranty, either implied or stated, actual measured light levels or energy consumption levels as compared to those illustrated by the Lighting Design.

\* RAB does not warranty, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design as compliant with any applicable regulatory code requirements with the exception of those expressly stated on drawings created and submitted by RAB. The Lighting Design is issued, in whole or in part, as advisory documents for informational and convenience purposes only, is not intended for construction nor as a part of a project's construction documentation package and should not be relied upon for any purpose.

\* Immediately prior to any party ordering RAB products used in the Lighting Design, the ordering party must verify that the lumen output of the fixtures being ordered (as shown on RAB's website) match the lumen output shown in the Lighting Design. Occasionally, Lighting Designs previously provided use fixtures that are then updated prior to an order and such updates could change the lumen output of the fixture. This in turn, could impact the installed lighting performance that differs from the Lighting Design.



Prepared For:  
Damin Sales  
28 Brunswick Avenue  
Edison, NJ 08817-0377

Job Name:  
Trade Trans Corporation  
Lighting Layout  
Version B

Scale: as noted  
Date: 1/31/2023  
Filename: Trade Trans Corporation Lighting Layout 01021712B.AGI  
Drawn By: S Elliott

PROJECT # 205056  
CASE # 0121712



Color: Bronze

Weight: 16.5 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	1.25A
208V	0.73A
240V	0.63A
277V	0.55A
Input Watts	74.8/91.3/146.8W

LED Info

Watts	150W
Color Temp	4000K (Neutral)
Color Accuracy	84/84/82 CRI
L70 Lifespan	100,000 Hours
Lumens	10750/12911/19644 lm
Efficacy	143.7/141.4/133.9 lm/W

Technical Specifications

Field Adjustability

Field Adjustable (Wattage):

Field adjustable light output in 3 discrete steps:  
Medium Housing: 150W/90W/78W (factory default 150W)

Compliance

UL Listed:

Suitable for wet locations

IP Rating:

Ingress protection rating of IP66 for dust and water

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.  
DLC Product Code: S-4MLOS8

LED Characteristics

LEDs:

Long-life, high-efficacy, discrete, surface-mount LEDs

Color Consistency:

7-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 color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

Electrical

Driver:

78W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.65A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

90W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.75A, 208V: 0.44A, 240V: 0.38A, 277V: 0.33A

150W: Constant Current, Non-Class 2, 120-277V, 50/60 Hz, 120V: 1.25A, 208V: 0.73A, 240V: 0.63A, 277V: 0.55A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

3.45% at 120V, 8.26% at 277V

Power Factor:

100% at 120V, 95.6% at 277V

Surge Protection:

Line to Line: 10kV  
Line to Ground: 6kV

## Technical Specifications (continued)

### Performance

#### Lifespan:

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

#### Wattage Equivalency:

Equivalent to 400W Metal Halide

### Construction

#### IES Classification:

The Type IV distribution is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

#### Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

#### Ambient Temperature:

Suitable for use in up to 40°C (104°F)

#### Housing:

Die-cast aluminum

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease.

#### Lens:

Polycarbonate lens

#### Reflector:

Aluminum reflector with white polycarbonate

#### Vibration Rating:

3G vibration rating per ANSI C136.31

#### Effective Projected Area:

EPA = 0.34

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

### Optical

#### Bug Rating:

BUG Rating 150W: B2 U0 G4

BUG Rating 90W: B1 U0 G3

BUG Rating 78W: B1 U0 G3

### Other

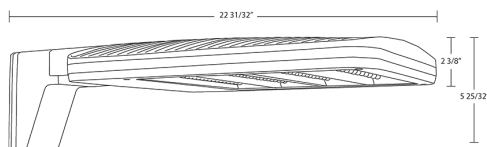
#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

#### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

## Dimensions



## Features

0-10V dimmable standard

IP66 Rated

100,000-Hour LED lifespan

10-Year, No-Compromise Warranty

## Ordering Matrix

Family	Housing Size	Distribution	Mounting	Color Temp	Finish	Voltage	Options
ALED	M	4T		N			
	<b>S</b> = Small (80W/60W/40W) <b>M</b> = Medium (150W/90W/78W) <b>L</b> = Large (260W/220W/170W) <b>XL</b> = Extra Large (385W/345W/300W)	<b>2T</b> = Type II <b>3T</b> = Type III <b>4T</b> = Type IV <b>5T</b> = Type V <b>AT</b> = Auto Dealership Optic	<b>Blank</b> = Universal Pole Mount <b>SF</b> = Slipfitter <b>WM</b> = Wall Mount	<b>Blank</b> = 5000K Cool <b>N</b> = 4000K Neutral	<b>Blank</b> = Bronze <b>W</b> = White <b>B</b> = Black	<b>Blank</b> = 120-277V, 0-10V Dimming <b>/480</b> = 480V, 0-10V Dimming <sup>1</sup>	<b>Blank</b> = No Option <b>/7PR</b> = 7 Pin Twistlock Receptacle <b>/WS2</b> = Wattstopper, 20ft lens <b>/WS4</b> = Wattstopper, 40ft lens <sup>2</sup>

<sup>1</sup> 480V available in Medium, Large & Extra Large fixtures only  
<sup>2</sup> Wattstopper option available in Large & Extra Large fixtures only



Weight: 240.0 lbs

## Page 1 of 2

## Technical Specifications (continued)

### Construction

#### 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 [online](#).

### Pre-Shipped Anchor Bolts:

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

### Max EPA's/Max Weights:

70MPH 9.0 ft./330 lb.  
80MPH 5.2 ft./325 lb.  
90MPH 2.6 ft./325 lb.  
100MPH 0.8 ft./310 lb

### Other

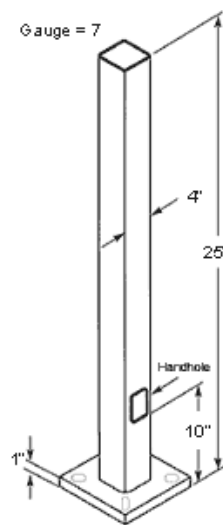
#### Terms of Sale:

Pole Terms of Sale is available [online](#).

#### Buy American Act Compliance:

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## Dimensions



## Features

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Pole caps, base covers & bolts are sold separately
- Custom manufactured for each application



Color: Bronze

Weight: 16.5 lbs

Project:

Type:

Prepared By:

Date:

## Driver Info

Type	Constant Current
120V	1.25A
208V	0.73A
240V	0.63A
277V	0.55A
Input Watts	74.8/91.3/146.8W

## LED Info

Watts	150W
Color Temp	4000K (Neutral)
Color Accuracy	84/84/82 CRI
L70 Lifespan	100,000 Hours
Lumens	10750/12911/19644 lm
Efficacy	143.7/141.4/133.9 lm/W

## Technical Specifications

### Field Adjustability

#### Field Adjustable (Wattage):

Field adjustable light output in 3 discrete steps:  
Medium Housing: 150W/90W/78W (factory default 150W)

### Compliance

#### UL Listed:

Suitable for wet locations

#### IP Rating:

Ingress protection rating of IP66 for dust and water

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.  
DLC Product Code: S-4MLOS8

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#### LEDs:

Long-life, high-efficacy, discrete, surface-mount LEDs

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#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

#### Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

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#### Driver:

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#### THD:

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#### Power Factor:

100% at 120V, 95.6% at 277V

### Surge Protection:

Line to Line: 10kV  
Line to Ground: 6kV



## Technical Specifications (continued)

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#### Wattage Equivalency:

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### Construction

#### IES Classification:

The Type IV distribution is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

#### Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

#### Ambient Temperature:

Suitable for use in up to 40°C (104°F)

#### Housing:

Die-cast aluminum

#### Lens:

Polycarbonate lens

#### Reflector:

Aluminum reflector with white polycarbonate

#### Vibration Rating:

3G vibration rating per ANSI C136.31

#### Effective Projected Area:

EPA = 0.35

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

### Green Technology:

Mercury and UV free. RoHS-compliant components.

### Installation

#### Mounting:

Wall mount

### Optical

#### Bug Rating:

BUG Rating 150W: B2 U0 G4

BUG Rating 90W: B1 U0 G3

BUG Rating 78W: B1 U0 G3

### Other

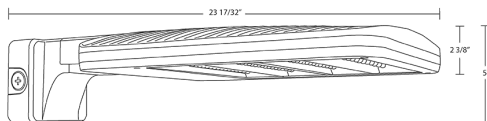
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