

# AL55Q DuraLED MegaAL Area Light



<b>Project Information</b>	
Project Name:	Fixture Type:
Complete Catalog #:	Date:
Comments:	

The DuraGuard AL55Q MegaAL luminaire is available with a wide choice of optical distributions designed to replace HID lighting systems of 1000w to 1500w MH or HPS. Typical area lighting applications include auto dealerships, retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 20 to 50 feet can be used based on light level and uniformity requirements.

## SPECIFICATIONS AND FEATURES:

### HOUSING:

Heavy-Duty Die Cast Aluminum Housing & Front Frame, Integral Heat Sinking, Driver Compartment. Photocell Adaptable. Includes Receptacle and Shorting Cap.

### LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750 IP66 Sealed LED Compartment.

### FINISH:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

### LENS:

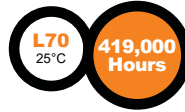
Tempered Clear Flat Glass Lens.

### MOUNTING OPTIONS:

Mount with Adjustable Slipfitter. (Factory Installed)

### DURALED LED:

Aluminum Boards



### WATTAGE:

Array: 524w, System Input: 568w (1000-1500w HID Equivalent)

### DRIVER:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

### WARRANTY:

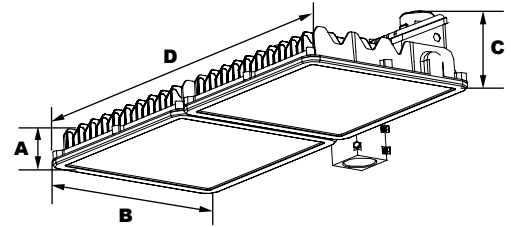
5-Year Warranty for -40°C to +50°C Environment.

LM-79 Report Available on Select Models.

See Page 3 for Projected Lumen Maintenance Table.



Shown with Pole Mounted Slipfitter.



### Dimensions

<b>Width (D)</b>	33" (838mm)
<b>Length (B)</b>	16½" (419mm)
<b>Height (A)</b>	3" (76mm)
<b>Height (C)</b>	7" (178mm)

### DuraLED TECHNOLOGY

Complete Units  
Ordering Information  
Example: AL55QF2X262U5KCZLSFSP

## AL55Q DuraLED MegaAL Area Light

AL55Q		2X262		C		LSF		Options
Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	
AL55Q=DuraLED MeagAL Area Light	A=Type I B=Type II C=Type III D=Type IV F=Type V I=Narrow Beam* *4K only	2X262=524w	U=120-277V H=347-480V	4K=4000K 5K=5000K	C=Clear Flat Glass Lens	Z=Bronze C=Custom (Consult Factory)	LSF=Slipfitter, Included	SF=Single Fuse DF=Double Fuse SP=Surge Protection R7=7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle



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## ADDITIONAL MOUNTING OPTIONS



**AL55Q Shown with "LSF" External Mount Slipfitter**, External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Bronze Powdercoat Finish, Includes Hardware.

### EPA (EFFECTIVE PROJECTED AREA) NOTE: VALUES FOR HORIZONTAL MOUNTING.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	.96	62 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180° Mount	1.92	124 Lbs



**AL35GSZ**

Accessories (Order separately, Field installed)	
P18140	110-120VAC Instant Twist Lock Photocell
P18142	105-287VAC Instant Twist Lock Photocell
P18150	120VAC Time Delay Twist Lock Photocell
P18152	277VAC Time Delay Twist Lock Photocell
P18131	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
P18132	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
AL35GSZ	Aluminum House Side Shield, Bronze Powdercoat Finish, Includes Hardware. AL55 Requires Two.

Replacement Parts (Order separately, Field installed)	
AL35GL	Tempered Clear Flat Glass Lens.
LSFZ	External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Bronze Powdercoat Finish, Includes Hardware.

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## PHOTOMETRIC PERFORMANCE

LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
DuraLED 2x262w	525	568	Type I	67,983	120	5	0	4	63,396	112	5	0	4
			Type II	65,459	115	5	0	4	61,042	107	5	0	4
			Type III	64,816	114	5	0	5	60,443	106	5	0	5
			Type IV	56,966	100	4	0	5	53,122	94	4	0	5
			Type V	69,001	121	5	0	3	64,345	113	5	0	3

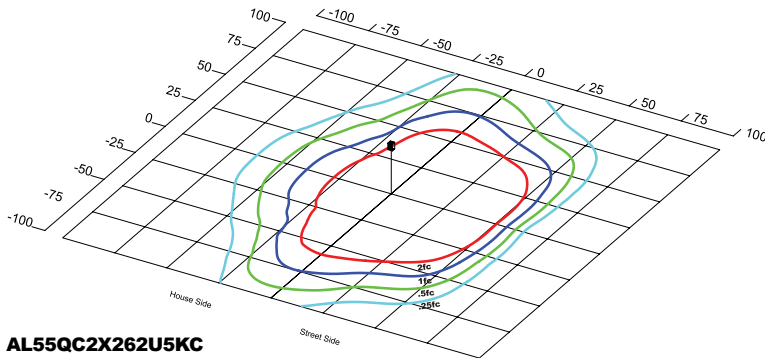
## PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	568	1.00	0.98	0.96	0.93	419,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	568	1.00	0.97	0.94	0.88	251,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	568	1.00	0.97	0.95	0.90	191,000

### NOTES:

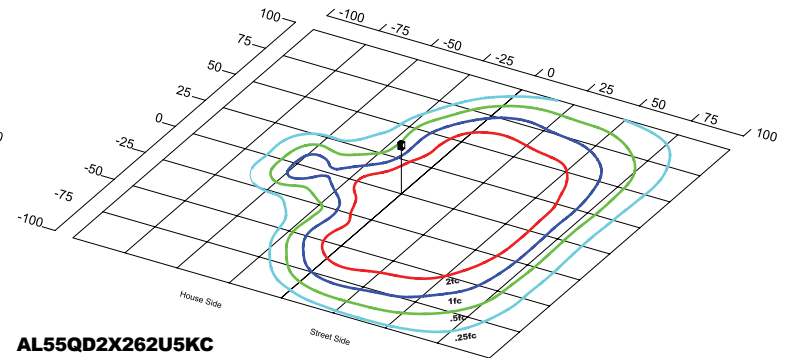
- Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
- Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

## PHOTOMETRIC DATA



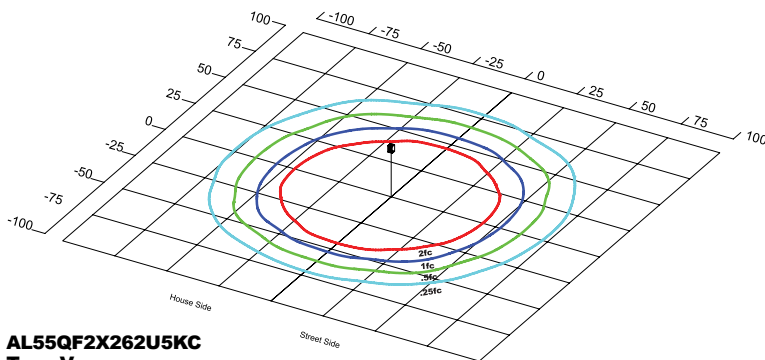
**AL55QC2X262U5KC**

Type III  
Grid in MH  
MH=25 Feet



**AL55QD2X262U5KC**

Type IV  
Grid in MH  
MH=25 Feet



**AL55QF2X262U5KC**

Type V  
Grid in MH  
MH=25 Feet