

AFRC30QL DuraLED Sculptor II Round Garage Lighter



Project Information	
Project Name: _____	Fixture Type: _____
Complete Catalog #: _____	Date: _____
Comments: _____	

The DuraGuard AFRC30QL Sculptor II Architectural Round Garage Lighter is available in a rectangular wide distribution designed to replace HID lighting systems up to 250w MH or HPS. Typical parking garage applications include retail centers, industrial parks, schools and universities, public transport and airports, office buildings and medical facilities. Mounting heights of 8 to 16 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

HOUSING:

Die Cast and Sand Cast Aluminum Housing, Integral Heat Sinking. Includes 3' Cord.

LISTING & RATINGS:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP65 (IP66 with Pendant (PA) and Trunion (T) Mounts Only)

FINISH:

Bronze or White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

LENS:

Molded UV-Stabilized Polycarbonate Vandal-Resistant Array Lens or SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens Designed for Garage Lighting Applications. Gasketed to Seal LED Array.

MOUNTING OPTIONS:

Surface Mount Model (NM) Includes Easy-Hang Bracket Allowing One-Person Installation, Fits Standard 4" Electrical Box. Adjustable Height Trunion (T) and Pendant (PA) Models are Shipped Ready For Field Installation of the Mount. Mounts are Shipped in a Separate Carton.

DURALED LED:

Aluminum Boards

WATTAGE:

37w Array: 37w, System: 39.4w; (70-150w HID Equivalent)
65w Array: 65.3w, System: 72w; (150-250w HID Equivalent)
100w Array: 100w, System: 114w; (150-250w 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.

CONTROLS:

Fixtures Ordered with Factory-Installed Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with DuraGuard Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.

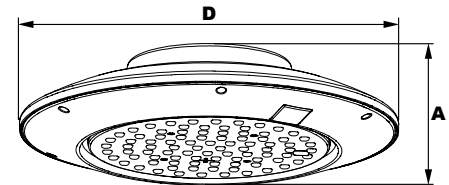
WARRANTY:

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

See Page 2 for Projected Lumen Maintenance Table.



Shown with LumaLens Option



Dimensions

Diameter (D)	18" (457mm)
Height (A)	4" (104mm)

DuraLED TECHNOLOGY

Complete Units
Ordering Information
Example: AFRC30QL1X65U5KCZNMSP

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AFRC30Q

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
AFRC30Q= DuraLED Sculptor II Round Garage Lighter	F =Type V L =Rectangular Wide	1X37 =37w 1X65 =65w 1X100 =100w* *F Optic Only	U =120-277V H =347-480V	3K =3000K* 4K =4000K 5K =5000K *37 & 65w F Optic Only		Z =Bronze W =White C =Custom (Consult Factory)		NM =Easy-Hang Bracket Only T =Trunion* PA =Pendant* *Mounting Shipped Separately
			C =Clear UV-Stabilized Polycarbonate Array Lens L =SoftLED LumaLens Opal UV-Stabilized Polycarbonate Lens* *Type V Models Only					

- SF**=Single Fuse*
- DF**=Double Fuse*
- SP**=Surge Protection
- S2**=Microwave Sensor with Dimming for Mounting Heights of 8' to 40'.*
- S4**=Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'.*
- BU**=Battery Backup, 90 Minutes (Up to 65w Max)*
- BUC**=Cold Start Battery Backup, -20°C, 90 Minutes (Up to 65w Max)*

*120-277V Models Only.



Specifications subject to change without notice.

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ADDITIONAL MOUNTING OPTIONS



AFRC30Q with Easy-Hang Bracket (NM)
 Stamped Steel 2-Piece Bracket Allows One-Person Installation. Mounts Directly to Standard 4" Electrical Box



AFRC30Q with Adjustable Trunnion Mount (T)
 Stamped Steel Height Adjustable Trunnion, Powdercoat Finish, Includes Hardware



AFRC30Q with Pendant Mount (PA)
 Includes Top and Bottom Covers, Brackets, and 3/4" Diameter, 15" Long Downrod, Powdercoat Finish, Includes Hardware.

ACCESSORIES & REPLACEMENT PARTS:

Replacement Parts (Order Separately, Field Installed)	
AF30PCLL	SoftLED LumaLens Opal UV-Stabilized Polycarbonate Vandal-Resistant Lens
AF30T*	Height Adjustable Trunnion, Stamped Heavy Duty Steel, Powdercoat Finish
PK3415*	Pendant Mount Kit Includes Top & Bottom Cover, Brackets, 3/4" Dia X 15" L Downrod, and Hardware. Powdercoat Finish
P17117	Internal Microwave Sensor with Dimming for Mounting Heights of 8 to 40'. 120-277VAC, 50/60Hz
P17123	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19'. 120-277VAC, 50/60Hz
*Specify Color: Z=Bronze, W=White, C=Custom (Consult Factory)	
For Replacement Battery Backup, see the DuraGuard LED Battery Backup Specification Sheet.	



AF30PCLL

AF30T*

PK3415*

P17117

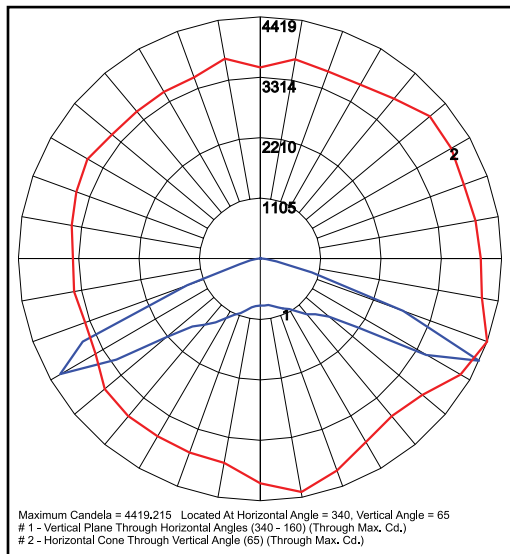
P17123

*Shown Mounted

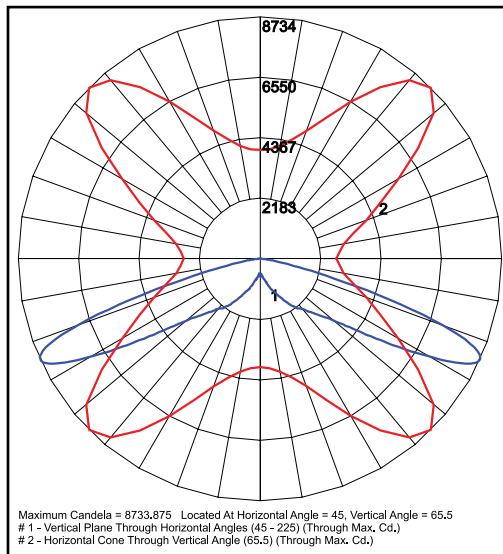
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PHOTOMETRIC DATA



AFRC30QL1X65U5KC - Clear Lens



AFRC30QF1X100U4KC - Clear Lens

PHOTOMETRIC PERFORMANCE

Optic	CCT	Wattage (Catalog Logic)		
		37W (1X37)	65W (1X65)	100W (1X100)
		42.2	74.1	114
		Delivered Lumens		
AFRC30Q F = Type V	3000K	5,280	9,277	-
	4000K	5,495	9,653	14,851
	5000K	5,709	10,029	15,429
AFRC30Q L=Rectangular Wide	3000K	-	-	-
	4000K	5,327	9,969	-
	5000K	5,534	10,357	-

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 LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 114w	1.00	0.98	0.97	0.94	473,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.97	0.93	0.87	226,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.98	0.97	0.93	290,000

NOTES:

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