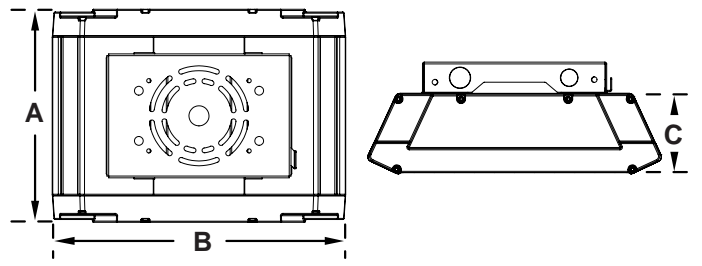


Element - Garage/Canopy LED

Project Name	Type
Catalog Number	



Dimensional Drawings



Fixture	A	B	C	Max. LEDs	Lbs
ELE-1	12 ⁷ / ₈ "	14 ¹ / ₂ "	4"	96	28 ¹ / ₂

The **Element - Garage/Canopy** masters heat dissipation via its thermal convection air management system, which lowers the LED junction temperature, resulting in longer LED life and superior lumen maintenance; perfect for warm environments that must operate around the clock. Additionally, the **Element's** optics have been specifically designed for typical low-mounting-height garage applications.

Housing: The **Element - Garage/Canopy** utilizes a heavy-duty, extruded aluminum body, with heat radiating fins for cutting edge thermal management; cast aluminum end caps, and a protective, perforated top cover that directs constant air flow for maximum cooling. Galvanized steel ceiling mount bracket can be secured directly to recessed junction box or to the ceiling. The housing hanger allows fixture to be suspended from ceiling bracket while making wiring connection.

Finish: Durable Quali-Guard® textured thermoset polyester powder coat, oven-baked at a temperature of 400 °F to promote maximum adherence and finish hardness. Finish is guaranteed for five (5) years.

Optics: Offered in Type III and Type V optics, the **Element - Garage/Canopy** qualifies as an IES full cutoff fixture; and is Dark-Sky certified to restrict light trespass, glare and light pollution. Optional High-Low system available.

LEDs: High lumen output VisionBar™ LEDs are utilized, offering a minimum estimated life of 70,000 hours, and a maximum estimated life of 200,000 hours; in the desirable light color temperature of 4,000 Kelvin.

Ballast: A high-performance LED driver operates at 120 thru 277 volts, 50 to 60 Hz, with a 90% power factor; and is rated for -40 °C operation.

Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Options	
ELE-1	Type III (T3)	# of LEDs	mA	4000K (4K)	120-277 *Universal voltage (UNV)	Ceiling Mount (CM)	White (WH)	Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double Inline Fuse (DF208) (DF240) Dual Circuit (DC) Cutoff Louver System (CLS) Motion Sensor (MS) High-Low System (HL)	
		24 (24L)	350 (3)						
	Type V (T5)	48 (48L)	530 (5)						
		72 (72L)	700 (7)						
		96 (96L)				Bronze (BZ) Black (BK) Grey (GY) Silver Metallic (SL) Custom Color (CC)			
Pair with:	<p>Element Area fixture.</p>								
		LED - Light Emitting Diode							

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



19645 Rancho Way • Rancho Dominguez, CA • 90220
 Tel: (310) 512-6480 • Fax: (310) 512-6486
 www.visionairelighting.com



Housing

The fixture housing is heavy-duty, extruded aluminum, with heat radiating fins and cast aluminum end caps. Extruded aluminum side covers provide complete protection for the electronic driver. A perforated aluminum top cover protects the heat radiating fins from contaminants and directs constant air flow over them for maximum cooling.

Thermal Management

The **Element - Garage/Canopy** provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the **Element - Garage/Canopy** to withstand higher ambient temperatures and higher drive currents without degrading LED life. The **Element - Garage/Canopy** has a low thermal resistance rating. The heat radiating fins and perforated fixture components (see Air Flow Path illustration below) create superior thermal management results.

The L₇₀ test determines the point in an LED's life when it reaches 70 percent of its initial output. **Element** series LEDs have been determined to last 200,000 hours in 40 °C environments when driven at 350 mA. See chart below for additional test results.

Optical System

The highest lumen output LEDs available are utilized in the **Element** series. IES Types III and V distributions are standard. The LED VisionBar™ light assemblies are field replaceable. Available in nominal wattages from 25 to 200 watts. The optical system qualifies as IES full cutoff; and is Dark-Sky certified to restrict light trespass, glare and light pollution.

Quali-Guard® Finish

A Quali-Guard® thermoset polyester powder coat painted finish is standard, and offered in a variety of colors.

Mounting

Galvanized steel ceiling mount bracket can be secured directly to recessed junction box, or to the ceiling. The housing hanger bracket allows fixture to be suspended from ceiling bracket while

making wiring connection. The housing bracket then attaches to the ceiling bracket via a tool-less latch. A tamper-proof screw can then secure the bracket.

Electrical Assembly

The **Element - Garage/Canopy** is supplied with a choice of 350, 530 or 700 mA high-performance LED drivers that accept 120 V thru 277 V, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 °C operations.

Warranty

Five (5) year limited warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

- Dual circuit
- Cutoff louver system
- Motion sensor
- High-low system

Please consult factory for custom options and available upgrades

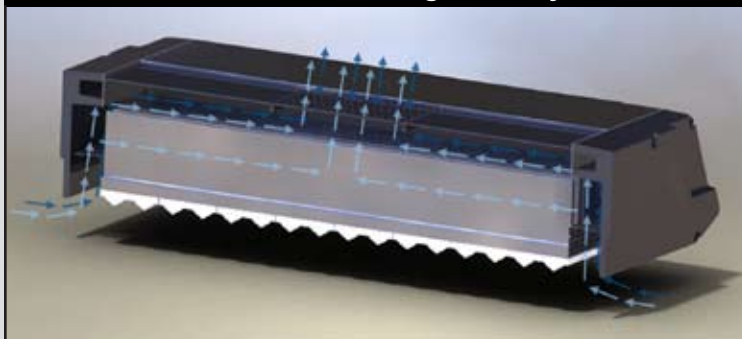
Listings

- listed for wet locations.
- LM79 • LM80
- RoHS Compliant • IP65 • Patent Pending
- Dark-Sky Friendly®, full cutoff certified by the International Dark-Sky Association
- Powder Coated Tough™

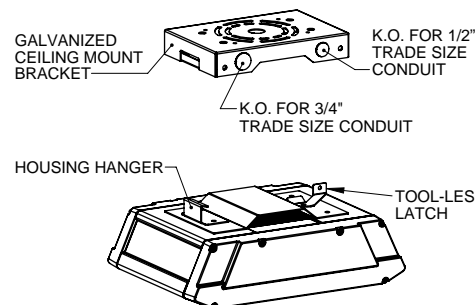
LED Data Chart

# LEDs	Output mA	Nominal Watts	Initial Lumens T3	Initial Lumens T5	System Watts 120-277	L ₇₀ Hours @ 40° C
24	350	25	1,771	1,946	28	200,000
	530	35	2,439	2,680	39	120,000
	700	50	2,962	3,255	55	70,000
48	350	50	3,504	3,850	56	200,000
	530	70	4,540	4,989	78	120,000
	700	100	5,667	6,228	110	70,000
72	350	75	5,185	5,698	84	200,000
	530	105	6,928	7,613	117	120,000
	700	150	8,057	8,854	165	70,000
96	350	100	6,916	7,600	112	200,000
	530	140	8,911	9,792	156	120,000
	700	200	10,072	11,068	220	70,000

Thermal Convection Air Management System



Ceiling Mount Detail



Parking Garage Typical - Open Ceiling

50 Nominal Watts Driven at 350 mA – 3,850 Lumens

5.1	5.5	6.1	4.6	6.1	5.5	5.1
5.6	6.4	6.1	4.5	6.1	6.4	5.6
5.9	5.9	5.1	4.2	5.1	5.9	5.9
4.5	4.4	4.2	4.1	4.2	4.4	4.5
6.0	6.1	5.2	4.2	5.2	6.1	6.0
5.5	6.3	6.1	4.5	6.1	6.3	5.5
5.1	5.5	6.1	4.6	6.1	5.5	5.1

Mounting Height: 10 feet
30' Spacing - Center to Center

Average FC: 5.39
Max FC: 6.4
Min FC: 4.1
Max/Min: 1.56