

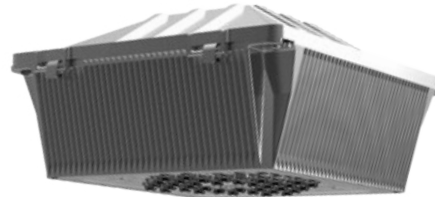
ENDURA SERIES

CEILING MOUNT

Turtle Friendly

FEATURES

- Field replaceable LED light engine & optical bezel system
- 6 lighting distributions puts light where it is needed, not wasted
- Shape of the top housing is designed as a bird nesting deterrent and is a standard feature
- Unique design allows the luminaire top to be installed separately and directly to a recessed or surface-mount junction box



SPECIFICATIONS

CONSTRUCTION

- Die cast aluminum two-piece housing
- Shape of the top housing is designed as a bird nesting deterrent
- Die cast main (thermal) housing provides direct-heat exchange between the LED light engine and the cool outdoor air by drawing heat through integral heat channels and out to the sculptured and functional luminaire surface
- LED drivers are thermally isolated from the main housing, mechanically attached and heat-sinked to the top housing
- Main housing is designed with heat dissipating fins for LED thermal management without the use of metallic screens, cages, or fans
- Main and top housings are designed to hinge open for easy mounting and easy access
- IFS polyester powder-coat electrostatically applied and thermocured
- IFS finish consists of a five stage pretreatment regimen with a polymer primer sealer and top coated with a thermoset super TGIC polyester powder coat finish
- The finish meets the AAMA 2604 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance and resists cracking or loss of adhesion per ASTM D522 and resists surface impacts of up to 160 inch-pounds

OPTICS

- Endura luminaire is supplied with an Optical one piece cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel
- LED Engine is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system
- Two-piece silicone and polycarbonate foam gasket ensures a weather-proof seal around each individual LED and allows the Endura luminaire to be rated for high-pressure hose down applications
- Optical cartridge is secured to the extruded housing with fasteners and a heat pad to ensure thermal conductivity. The optics are held in place without the use of adhesives and the complete assemble is gasketed for hose down cleaning
- LED assembly is available in various lighting distributions using TIR designed acrylic optical lenses over each LED

INSTALLATION

- Top housing is designed with various bolt patterns for mounting to a recessed, surface or rigid-pendant hung 4" junction box and rigid stem provided by others)
- After mounting the top housing to the junction box, the main housing is designed to hang and hinge closed after connecting the male and female quick connectors
- Mounting design permits a simple retrofit to existing parking structure luminaires that utilize surface mount or recessed junction boxes

ELECTRICAL

- 120V through 277V, 347V, 480V, 50 Hz to 60 Hz
- Endura comes standard with 70 CRI.
- Standard 0 to 10 volt dimming drivers
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is listed by UL for use at 600VAC at 50°C or higher
- Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. 15A rating applies to primary (AC) side only
- Surge protection - 20kA
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard.

CERTIFICATIONS

- The luminaire shall bear a CSA label and be marked suitable for damp locations (standard). Luminaire may be specified for wet locations.
- This product is approved by the Florida Fish and Wildlife Conservation Commission. Separate Turtle Friendly spec available at: currentlighting.com/beacon

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	1,130–2,435
Wattage Range	45–80
Efficacy Range (LPW)	25–29
Life (Hours)	>587K



DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ENDURA SERIES

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ORDERING GUIDE

Example: EDR-36L-65-AM-5W-UNV-BLT

CATALOG #

Series	Engine Watts	LED Color	Optics	Voltage	Finish
EDR Endura	24L-45 45 Watts - LED array 24L-65 65 Watts - LED array 36L-80 80 Watts - LED array	AM Amber	5R Type V, rectangular 5W Type V, wide 5QM Type V, square medium 5QN Type V, square narrow 5QW Type V, square wide Higher Mounting Applications 2x2 Type V, concentrated spot 4x4 Type V concentrated narrow 5x5 Type V, concentrated medium 5x3 Type V, concentrated rectangular	UNV 120-277V 120 120V 208 208V 240 240V 277 277V 347 347V 480 480V	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color

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ELECTRICAL DATA

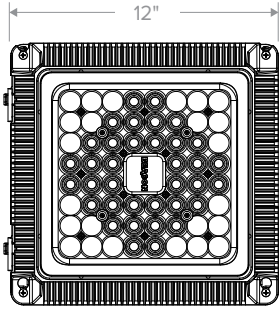
# LED'S	DRIVE CURRENT	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70CRI)				
				LUMENS	LPW ¹	B	U	G
24	700mA	45W	2	1218	27	0	0	0
			3	1194	27	0	0	1
			4	1174	26	0	0	0
			4W	1130	25	0	0	1
			5R	1204	27	1	0	1
			5QM	1196	27	1	0	0
			5W	1285	29	1	0	0
24	700mA	65W	2	1826	28	0	0	0
			3	1792	28	0	0	1
			4	1762	27	0	0	1
			4W	1723	27	0	0	1
			5R	1806	28	1	0	1
			5QM	1794	28	1	0	0
			5W	1760	27	1	0	1
36	700mA	80W	2	2435	29	1	0	1
			3	2389	28	0	0	1
			4	2349	28	0	0	1
			4W	2298	27	0	0	1
			5R	2392	28	1	0	0
			5QM	2408	28	1	0	1
			5W	2346	28	2	0	1

¹ Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application

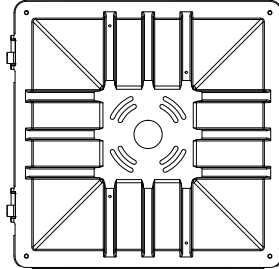
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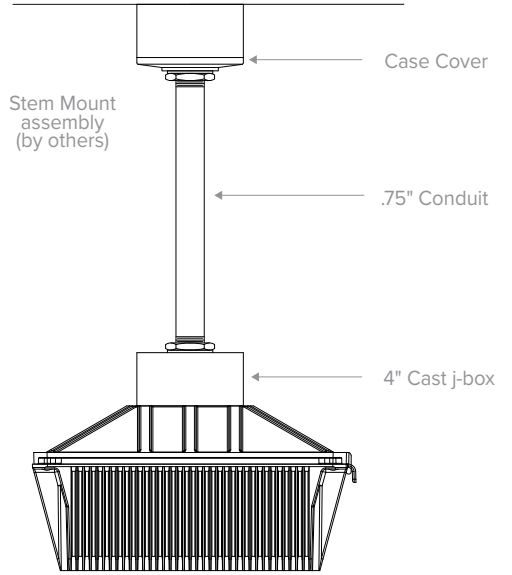
DIMENSIONS



Bottom



Top

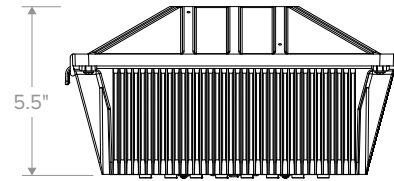


Stem Mount
assembly
(by others)

Case Cover

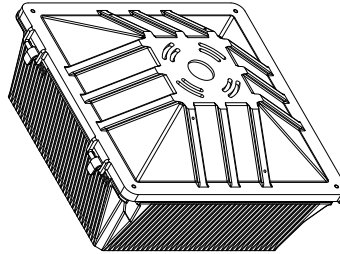
.75" Conduit

4" Cast j-box



5.5"

Side



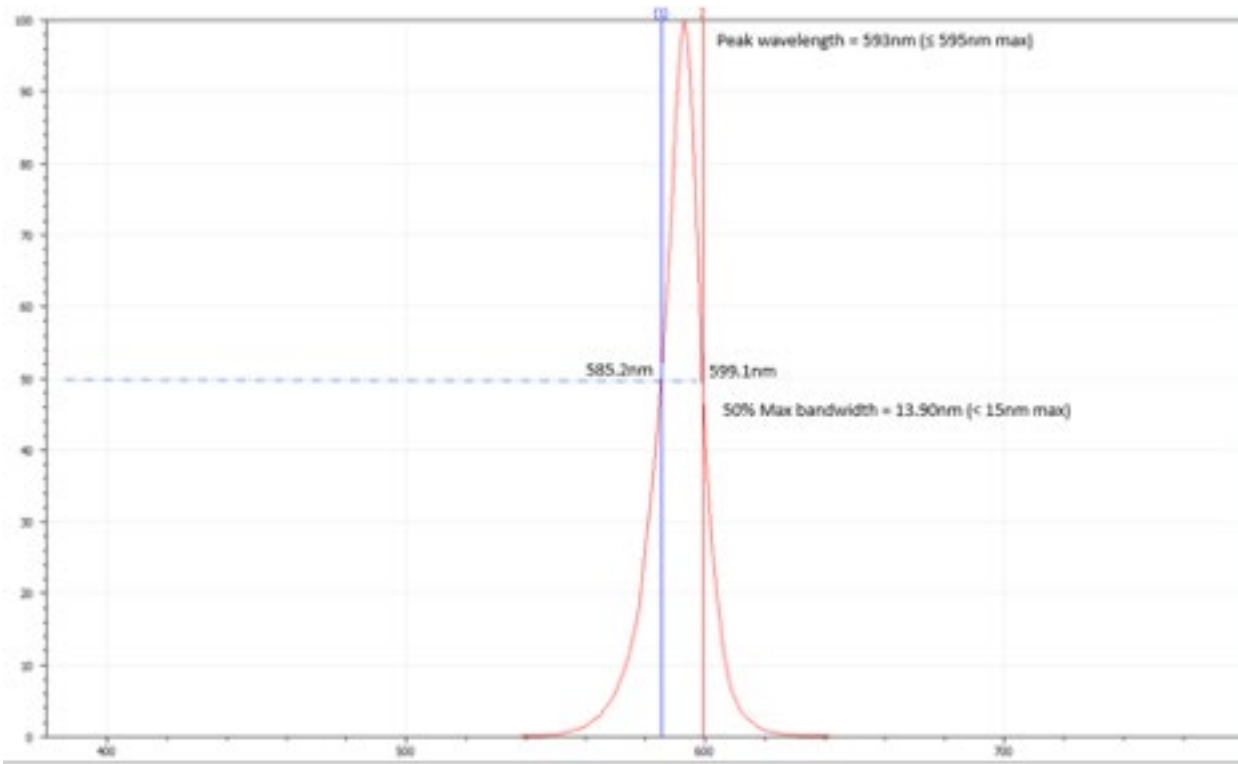
Isometric

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TURTLE FRIENDLY COMPLIANT

AMBER Spectral Chart



Narrow-Spectrum Amber LED's

Peak Wavelength = 593 nanometers (≤ 595 nmmax) and a 50% maximum bandwidth = 13.90 nm, not greater than 15 nanometers