

ENDURA SERIES

CEILING MOUNT

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
- Optional On-Board Occupancy Sensor provides the utmost in safety, security and control



See Certification Specifications

CONTROL TECHNOLOGY



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-sunked 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

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 assembly is gasketed for hose down cleaning
- LED assembly is available in various lighting distributions using TIR designed acrylic optical lenses over each LED

INSTALLATION

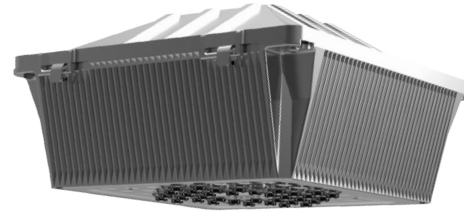
- Top housing is designed with various bolt patterns for mounting to a recessed, surface or rigid-pendant hung 4" junction box and rigid stem provided by others)
- After mounting the top housing to the junction box, the main housing is designed to hang and hinge closed after connecting the male and female 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.

CONTROLS

- Endura is available with an optional passive infrared (PIR) motion sensor capable of detecting motion 360° around the luminaire. When no motion is detected for the specified time, the Motion Response system reduces the wattage down to a factory preset level, reducing light level accordingly. When motion is detected, the luminaire returns to full wattage and full light output. Please contact Beacon Products if project requirements vary from the standard configurations



RELATED PRODUCTS

[Ceileo](#)

[Orbeon](#)

[Traverse](#)

CONTROLS (CONTINUED)

- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- Available with Energeni for optional set dimming, timed dimming with simple delay, or timed dimming based on time of night (see www.beaconproducts.com/products/energeni)
- Endura can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbellautomation.com/products/sitesync for more details

CERTIFICATIONS

- The luminaire shall bear a CSA label and be marked suitable for damp locations (standard). Luminaire may be specified for wet locations.
- DLC® (DesignLights Consortium) Qualified - see www.designlights.org
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/03/2020. See Buy American Solutions.
- **WARRANTY**
- 5 year warranty
- See [HLI Standard Warranty](#) for additional information

KEY DATA	
Lumen Range	3,000–13,000
Wattage Range	27–100
Efficacy Range (LPW)	93–131
Life (Hours)	>587K
Input Current Range (Amps)	0.1–1.1

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DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

ORDERING GUIDE

Example: EDR-24L-55-4K-5W-UNV-SWP-PC-MOB-BLT

 CATALOG #

Series	Engine Watts	LED Color	Optics	Voltage	Control Options
EDR Endura	24L-27 27 Watts - LED array	3K7 3000K, 70 CRI	5R Type V, rectangular	UNV 120-277V	GENI-XX Energeni ^{5,9}
	24L-55 55 Watts - LED array	4K7 4000K, 70 CRI	5W Type V, wide	347 347V	SWP SiteSync Wireless Pre-Commission ^{6,9}
	36L-80 80 Watts - LED array	4K8 4000K, 80 CRI	5QM Type V, square medium	480 480V	SWPM SiteSync Wireless Pre-Commission w/ Motion Detection ^{6,7,9}
	48L-110 100 Watts - LED array	5K7 5000K, 70 CRI	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		

Electrical Options	
PEC	Photocell, button, universal
2PF	Dual power feed ^{12,8}
PC	Cold weather battery pack ^{4,8}
BP	0° battery pack ^{4,8}

Sensor Options	
MOB	Occupancy sensor (33% or 50% dimming) ^{3,7,9}
OCS	Occupancy sensor (on/off) ^{9,10}

Finish	
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

Accessories

- SWUSB** SiteSync interface software loaded on USB flash drive for use with owner supplied PC (Windows based only). Includes SiteSync license, software and USB radio bridge node¹¹
- SWTAB** Windows tablet and SiteSync interface software. Includes tablet with preloaded software, SiteSync license and USB radio bridge node¹¹
- SWBRG** SiteSync USB radio bridge node only. Order if a replacement is required or if an extra bridge node is requested¹²

PRECOMMISSIONED SITESYNC ORDERING INFORMATION: When ordering a fixture with the SiteSync lighting control option, additional information will be required to complete the order. The SiteSync Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please visit www.hubbell-automation.com/products/sitesync or contact Hubbell Lighting tech support at (864) 678-1000.

SiteSync fixtures with occupancy sensor (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: EDR-24L-55-4K7-5W-UNV-SWP-BLT SiteSync only
 EDR-24L-55-4K7-5W-UNV-SWPM-20F/BLT SiteSync with Motion Control

MOB ORDERING INFORMATION: When ordering a fixture with a dimming occupancy sensor (MOB), please specify the appropriate information. These settings are specified in the ordering as shown in the example below.

EDR/24L-55/5K7/T5R/UNV/MOB - 1 to 30 min. - 33% or 50% - ?? / BLT



Notes:

- 1 Not available on 24NB-27
- 2 Not available @347V or 480V input
- 3 Not available on 48L-110
- 4 36L-80 only
- 5 When ordering Energeni, specify the routine setting code (example GENI-04). See Energeni brochure and instructions for setting table and options. Not available with sensor options
- 6 Must specify group and zone information at time or order
- 7 Specify time delay; dimming level and mounting height
- 8 Not available with SWP or SWPM control options
- 9 Not available with other control options
- 10 Specify mounting height
- 11 When ordering SiteSync at least one of these two interface options must be ordered per project
- 12 If needed, an additional Bridge Node can be ordered

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ELECTRICAL DATA

# LED'S	DRIVE CURRENT	SYSTEM WATTS	DISTRIBUTION TYPE	5K (5000K nominal, 70CRI)					4K (4000K nominal, 70CRI)					3K (3000K nominal, 70CRI)				
				LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G	LUMENS	LPW ¹	B	U	G
24	350mA	27W	2X2	3567	129	N/A	N/A	N/A	3640	131	N/A	N/A	N/A	3278	118	N/A	N/A	N/A
			4X4	3490	126	N/A	N/A	N/A	3561	129	N/A	N/A	N/A	3207	116	N/A	N/A	N/A
			5QM	3275	118	2	0	0	3341	121	2	0	0	3010	109	2	0	0
			5QN	3072	111	2	1	2	3135	113	2	1	2	2824	102	2	1	2
			5R	3330	120	2	1	2	3398	123	2	1	2	3061	110	2	1	2
			5W	3309	119	2	1	1	3376	122	2	1	1	3041	110	2	1	1
			5RW	3317	123	2	0	2	3384	125	2	0	2	3049	113	2	0	2
			5X3	3300	119	N/A	N/A	N/A	3367	122	N/A	N/A	N/A	3033	109	N/A	N/A	N/A
			5X5	3373	122	N/A	N/A	N/A	3441	124	N/A	N/A	N/A	3100	112	N/A	N/A	N/A
24	700mA	55W	2X2	6611	121	N/A	N/A	N/A	3746	124	N/A	N/A	N/A	6076	111	N/A	N/A	N/A
			4X4	6468	119	N/A	N/A	N/A	6600	121	N/A	N/A	N/A	5944	109	N/A	N/A	N/A
			5QM	6069	111	2	0	1	6193	114	2	0	1	5578	102	2	0	1
			5QN	5694	104	3	1	2	5810	107	3	1	2	5233	96	3	1	2
			5R	6172	113	3	1	3	6298	116	3	1	3	5673	104	3	1	3
			5W	6132	113	3	1	1	6257	115	3	1	1	5636	103	3	1	1
			5RW	6147	112	3	0	3	6272	114	3	0	3	5650	103	3	0	3
			5X3	6115	112	N/A	N/A	N/A	6240	114	N/A	N/A	N/A	5621	103	N/A	N/A	N/A
			5X5	6251	115	N/A	N/A	N/A	6378	117	N/A	N/A	N/A	5745	105	N/A	N/A	N/A
36	700mA	80W	2X2	9916	121	N/A	N/A	N/A	10119	124	N/A	N/A	N/A	9114	112	N/A	N/A	N/A
			4X4	9702	119	N/A	N/A	N/A	9900	121	N/A	N/A	N/A	8917	109	N/A	N/A	N/A
			5QM	9103	111	3	0	1	9289	114	3	0	1	8367	102	3	0	1
			5QN	8541	105	4	1	3	8715	107	4	1	3	7850	96	4	1	3
			5R	9258	113	3	2	3	9447	116	3	2	3	8509	104	3	2	3
			5W	9198	113	3	2	2	9386	115	3	2	2	8454	103	3	2	2
			5RW	9221	115	3	0	3	9407	118	3	0	3	8475	106	3	0	3
			5X3	9173	112	N/A	N/A	N/A	9360	115	N/A	N/A	N/A	8431	103	N/A	N/A	N/A
			5X5	9376	115	N/A	N/A	N/A	9568	117	N/A	N/A	N/A	8617	105	N/A	N/A	N/A
48	700mA	110W	2X2	13222	121	N/A	N/A	N/A	13492	123	N/A	N/A	N/A	12152	111	N/A	N/A	N/A
			4X4	12936	118	N/A	N/A	N/A	13200	120	N/A	N/A	N/A	11889	108	N/A	N/A	N/A
			5QM	12138	110	3	0	2	12386	113	3	0	2	11156	102	3	0	2
			5QN	11388	104	4	2	3	11620	107	4	2	3	10466	96	4	2	3
			5R	12344	113	3	2	3	12596	116	3	2	3	11345	104	3	2	3
			5W	12264	112	4	2	2	12514	115	4	2	2	11272	103	4	2	2
			5RW	12294	111	4	0	4	12543	113	4	0	4	11300	102	4	0	4
			5X3	12231	112	N/A	N/A	N/A	12480	114	N/A	N/A	N/A	11241	103	N/A	N/A	N/A
			5X5	12501	114	N/A	N/A	N/A	12757	117	N/A	N/A	N/A	11490	105	N/A	N/A	N/A

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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ELECTRICAL DATA (CONTINUED)

# OF LEDS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	SYSTEM POWER (w)	CURRENT (Amps)
27	350	120	27.0	0.23
		277		0.10
24	700	120	55.0	0.46
		277		0.20
36	700	120	82.0	0.68
		277		0.30
48	700	120	110.0	0.92
		277		0.40

AMBIENT TEMPERATURE		LUMEN MULTIPLIER
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99
50°C	122°F	0.98

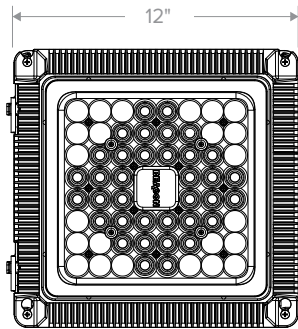
Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F)

PROJECTED LUMEN MAINTENANCE

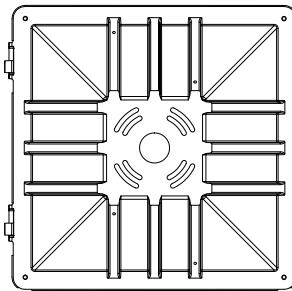
AMBIENT TEMP.	0	25,000	50,000	1TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°F	1.00	0.97	0.96	0.95	0.93	>587,000

¹ Projected per IESNA TM-21-11
 Data references the extrapolated performance projections for the base model in a 40°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08

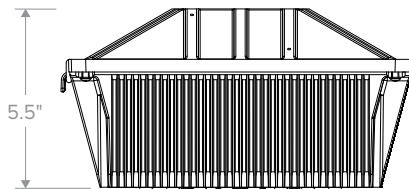
DIMENSIONS



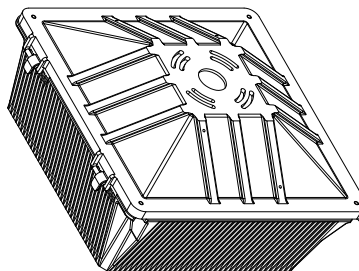
Bottom



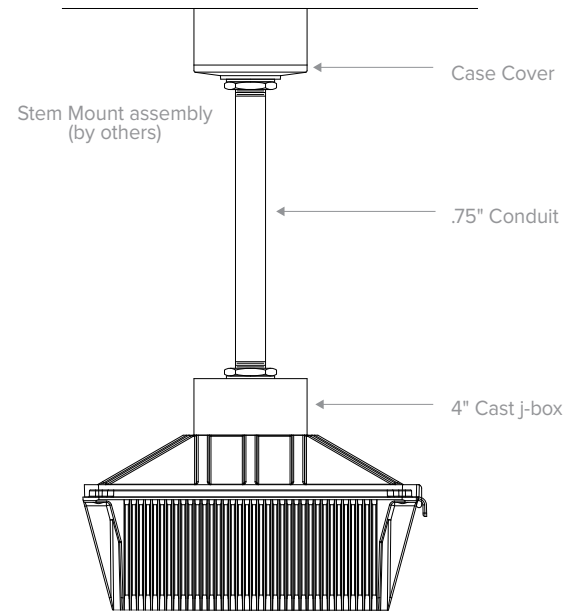
Top



Side



Isometric



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