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TRAVERSE

SURFACE/CEILING/GARAGE

DATE: | LOCATION:

TYPE: | PROJECT:

CATALOG #:

FEATURES

- Wall surface mounted luminaire with a field replaceable LED light engine & optical bezel system
- Optional passive infrared (PIR) motion sensor
- Horizontal opening motion allows for minimal effort during installation, maintenance, or upgrading
- LED wattages from 27 Watt to 136 Watt. Easy and fast mounting
- Mount the backplate to wall and attach front on hinges to close

*3000K and warmer CCTs only

See Certification Specifications

CONTROL TECHNOLOGY

energeni

SPECIFICATIONS

CONSTRUCTION

- Traverse luminaire consists of a die cast aluminum two-piece housing
- Die cast main (thermal) housing provides direct heat exchange between the LED light engine and the cool outdoor
- LED drivers are thermally isolated from the main housing, mechanically attached and heat sinked to the rear housing
- Shape of the main housing is designed to prevent debris accumulation and as a bird nesting deterrent. The back and main 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 iron phosphate chemical pretreatment regimen with a polymer primer sealer, oven dry off, 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

- Optical one piece cartridge system consisting of an LED engine, optics, gasket and stainless steel bezel
- Cartridge is held together with internal brass standoffs soldered to the board so that it can be field replaced as a one piece optical system
- Optics are held in place without the use of adhesives
- Cartridge assembly is available in various lighting distributions using TIR designed acrylic optical lenses over each LED

ELECTRICAL

- 100V through 277V, 347V and 480V, 50 Hz to 60 Hz
- 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.
- Component-to-component wiring within the luminaire may carry no more than 80% of rated load and is certified by UL for use at 600 VAC at 50°C or higher
- Plug disconnects are certified by UL for use at 600 VAC, 13A or higher. 13A rating applies to primary (AC) side only
- Surge protection – 20kA

OPTIONS/CONTROLS

- 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
- 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

INSTALLATION

- Rear housing (back plate) is designed with various bolt patterns for direct wall mounting or mounting to a recessed junction box
- Rear housing has three integral 3/4" NPT power feed locations (bottom and each side) for surface mounted conduit applications
- After mounting the rear housing to the wall or junction box, the main housing is designed to attach and hinge closed after connecting the male and female quick connectors
- Mounting design permits a simple retrofit to existing wall luminaires that utilize or recessed junction boxes

CERTIFICATIONS

- The luminaire shall bear a CSA label and be marked suitable for wet locations (standard).
- This product is approved by the Florida Fish and Wildlife Conservation Commission.
- 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.

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	3,300-17,000
Wattage Range	27–136
Efficacy Range (LPW)	106-155

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ORDERING GUIDE

Example: TRV-D–24L-27–3K7–3–UNV–PCU–DBT

CATALOG #

Series		Engine Watts		CCT/CRI[11]		Optics		Voltage		Control Options	
TRV-D	Traverse Down Light	**24L-27**	27 Watt - LED array	**3K7**	3000K, 70 CRI	**2**	Type II	**UNV**	120–277V	**GENI-XX**	Energeni[6]
		24L-55	55 Watt - LED array	**4K7**	4000K, 70 CRI	**3**	Type III	**347**	347V		
		36L-80	80 Watts - LED array	**5K7**	5000K, 70 CRI	**4F**	Type IV, Forward	**480**	480V		
		48L-110	110 Watts - LED array			**4W**	Type IV, Wide				
		60L-136	136 Watts - LED array			**5R**	Type V, rectangular				
						2x2	Narrow spot flood				
						5x5	Medium flood				

Sensor Options		Electrical Options		Finish	
MOB	Motion Sensor 33% or 50% dimming+-[3,5,7,9]	**PCU**	Photocell. button Universal	**BLT**	Black Matte Textured
		2PF	Dual power feed[2,3,10]	**BLS**	Black Gloss Smooth
		BPC	Cold weather battery pack[4]	**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

Notes:

1 Indoor use only
2 Not available on 24L-27
3 Not available @ 347V or 480V
4 36L-80 only, not available with SWP or SWPM control options
5 Not avilable on 48L-110 or 60L-136
6 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.
7 Not available with other control or sensor options. PEC is available with MOB.
8 Specify group and zone.
9 Specify time delay; dimming level and mounting height.
10 Not available with SWP or SWPM control options.
11 This product is approved by the Florida Fish and Wildlife Conservation Commission.

CONTROLS

Precommissioned Ordering Information:

When ordering a fixture with the Lighting Controls options, additional information will be required to complete the order. The Lighling Controls Commissioning Form or alternate schedule information must be completed. This form includes Project location, Group information, and Operating schedules. For more detailed information please our website or contact Current tech support at (864) 678-1000.

Lighting fixtures with Motion control (SWPM) require the mounting height of the fixture for selection of the lens.

Examples: TRV-D–24L-45–AM–3–UNV–SWP–BL
TRV-D–24L-45–AM–3–UNV–SWPM–20F–BL

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.

Example: TRV-D–24L-45–AM–T3–UNV–MOB – 1 to 20 min. – 33% to 50% – ??? – BL

High to Dim Delay | Low Level | Mounting Height (ft.)

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PERFORMANCE DATA

				5K (5000K nominal, 70 CRI)					4K (4000K nominal, 70 CRI)					3K (3000K nominal, 70 CRI)				
# of LED'S	Drive Current	System Watts	Distribution Type	Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G	Lumens	LPW[1]	B	U	G
24	700mA	27W	2	3746	139	1	0	1	3783	142	1	0	1	3413	126	1	0	1
			3	3723	138	1	0	1	3760	141	1	0	1	3392	126	1	0	1
			4	3753	139	0	0	1	3791	142	0	0	1	2850	106	0	0	1
			4W	3689	137	1	0	1	3726	140	1	0	1	3360	124	1	0	1
			5R	3809	141	2	0	1	3847	144	2	0	2	3470	129	2	0	1
			5X5	3815	141	N/A	N/A	N/A	3854	144	N/A	N/A	N/A	3476	129	N/A	N/A	N/A
			2X2	4086	151	N/A	N/A	N/A	4127	155	N/A	N/A	N/A	3723	138	N/A	N/A	N/A
24	700mA	55W	2	6243	108	1	0	1	6306	109	1	0	2	5688	98	1	0	1
			3	6204	107	1	0	2	6267	108	1	0	2	5653	98	1	0	2
			4	6273	108	3	0	1	6336	109	3	0	1	5715	99	3	0	1
			4W	6148	106	1	0	2	6210	107	1	0	2	6501	97	1	0	2
			5R	6348	110	3	0	1	6412	111	3	0	1	5784	100	3	0	1
			5X5	6359	110	N/A	N/A	N/A	6423	111	N/A	N/A	N/A	5793	100	N/A	N/A	N/A
			2X2	6810	118	N/A	N/A	N/A	6879	119	N/A	N/A	N/A	6205	107	N/A	N/A	N/A
36	700mA	80W	2	9364	110	1	0	2	9458	111	1	0	2	8531	100	1	0	2
			3	9307	109	1	0	2	9401	110	1	0	3	8480	99	1	0	2
			4	9409	110	3	0	2	9504	111	3	0	2	8573	100	3	0	2
			4W	9221	108	1	0	2	9315	109	1	0	2	8402	98	1	0	2
			5R	9522	111	3	0	2	9618	113	3	0	2	8676	102	3	0	1
			5X5	9538	112	N/A	N/A	N/A	9635	113	N/A	N/A	N/A	8690	102	N/A	N/A	N/A
			2X2	10215	120	N/A	N/A	N/A	10319	121	N/A	N/A	N/A	9308	109	N/A	N/A	N/A
48	700mA	110W	2	12485	114	2	0	2	12611	115	2	0	2	11375	104	2	0	2
			3	12409	113	1	0	3	12534	114	1	0	3	11306	103	1	0	3
			4	12546	114	4	0	2	12672	116	4	0	2	11430	104	4	0	2
			4W	12295	112	2	0	3	12419	113	2	0	3	11202	102	1	0	3
			5R	12696	116	4	0	2	12824	117	4	0	2	11568	105	3	0	2
			5X5	12717	116	N/A	N/A	N/A	12846	117	N/A	N/A	N/A	11587	106	N/A	N/A	N/A
			2X2	13620	124	N/A	N/A	N/A	13758	125	N/A	N/A	N/A	12410	113	N/A	N/A	N/A
60	700mA	136W	2	15606	114	2	0	2	15764	116	2	0	2	14219	104	2	0	2
			3	15511	114	2	0	3	15668	115	2	0	3	14133	104	2	0	3
			4	15682	115	4	0	2	15840	116	4	0	2	14288	105	4	0	2
			4W	15369	113	2	0	3	15524	114	2	0	3	14003	103	2	0	3
			5R	15870	116	4	0	2	16030	117	4	0	2	14459	106	4	0	2
			5X5	15897	116	N/A	N/A	N/A	16058	118	N/A	N/A	N/A	14484	106	N/A	N/A	N/A
			2X2	17026	125	N/A	N/A	N/A	17198	126	N/A	N/A	N/A	15512	114	N/A	N/A	N/A

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	0	25,000	50,000	[1]TM-21-11 60,000	100,000	Calculated L70 (HOURS)
25°C / 77°F	1.00	0.98	0.97	0.96	0.94	>704,000

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

ELECTRICAL DATA

# OF LEDS	NUMBER OF DRIVERS	DRIVE CURRENT (mA)	INPUT VOLTAGE (V)	OPER. CURRENT (Amps)	SYSTEM POWER (Watts)
24	1	700 (mA)	120	0.27	27.0
			277	0.12	
24	2	700 (mA)	120	0.55	55.0
			277	0.24	
36	1	700 (mA)	120	0.80	80.0
			277	0.35	
48	1	700 (mA)	120	1.10	110.0
			277	0.48	
60	1	700 (mA)	120	1.36	136.0
			277	0.59	

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)

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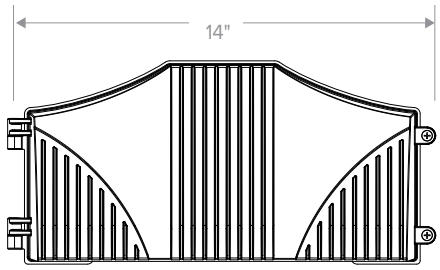
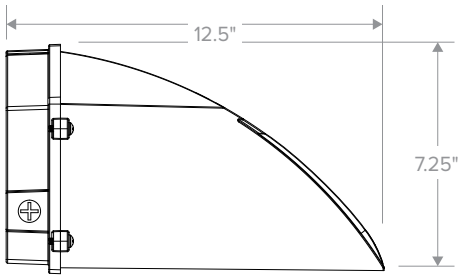
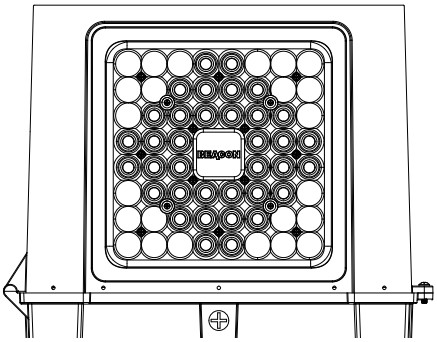
DIMENSIONS



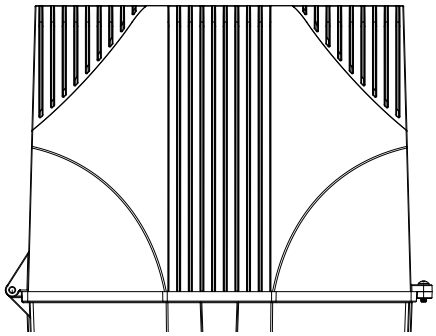
Front View



Side View



Bottom View



Top View