

Echo Expand - Cable Mount

EIP12451 27.00 in

JOB NAME:

TYPE:

NOTES:

DESCRIPTION

Echo Expand is an advanced high output asymmetric lighting tool that lights large spaces more comfortably with indirect light. Designed with the latest in LED technology, it packages high lumen density with exceptional efficacy in a clean, compact form. State-of-the-art asymmetric optics direct light deep into the center of the room. For a complimentary lighting layout, contact our applications team at SPIteam@spilighting.com.

FEATURES & BENEFITS

- High quality indirect light increases visual comfort, eliminates source brightness, and improves uniformity
- True asymmetric optics with a deep forward throw
- Glare-free with full horizontal cutoff
- Can tilt +/-8.5° and still maintain full horizontal cutoff
- Super-high 127 lm/W standard efficacy
- Lights from the perimeter
- Delivers a smooth, consistent beam pattern of even white light suitable for highly-finished ceilings and walls
- Specially designed to operate in high ambient temperature environments
- Innovative pin-fin aluminum heat sink keeps LEDs cool, lengthening the lifetime
- Natatorium option adds additional protection in corrosive environments
- Handcrafted in USA, BABA Compliant

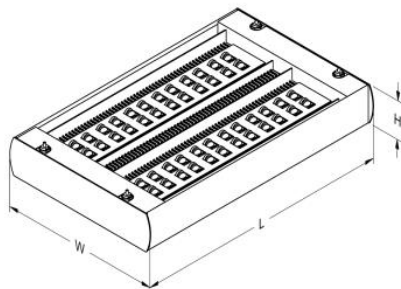
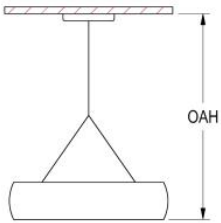
SPECIFICATIONS

- **LIGHT SOURCE:** White LED light engine with gasketed and sealed LEDs
- **CRI:** 80+ or 90+
- **ORIENTATION:** Indirect
- **LUMEN MAINTENANCE:** L90 = >72,000 Hrs at 40°C ambient temperature
- **EFFICACY:** Up to 127 lm/W delivered
- **CCT:** 2700K, 3000K, 3500K, 4000K, 5000K



- **VOLTAGE:** 120-277V standard
- **DRIVER:** Integral Class 2 power supply
- **MAX AMBIENT OPERATING TEMP:** 40°C (104°F)
- **DIMMING:** 1% minimum dim level standard
- **CONTROLS:** 0-10V standard. Lutron Athena and nLight AIR optional. Contact factory for other controls (e.g., Current NX, Enlighted, Encelium, Wattstopper, WaveLinx, or Casambi).
- **EMERGENCY:** Remote battery option is provided with 10W constant power battery back-up, providing 90 minutes of emergency operation. Contact factory for other emergency options.
- **INTEGRATED SURGE PROTECTION:** LED components are protected against minor surge events
- **CONSTRUCTION:** Aluminum construction; precision injection molded optics
- **FINISH:** Housing and mounting components finished to match, except the heat sink which is always painted Satin Aluminum (PT50). Choose from 26 standard thermoset polyester powder coat paint colors. RAL®, Pantone®, or custom finishes available upon request.
- **MODIFICATIONS:** Consult factory for all modification requests, including wire guard options
- **APPROVALS:** ETL listed to UL standards (US & Canada) for use in damp locations; not recommended for exterior applications

DIMENSIONS



W	H	OAH	L
17 in	4 in	80 in	27 in
43.2 cm	10.2 cm	203.2 cm	68.6 cm

Mounting Weight
Approximate: 35 lb (16 kg)

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/EIP12451. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source*	Primary Finish*	Voltage*	Lamp Options*	CRI*	Controls*	Mounting*	Emergency	Options	Other Than Standard Options
EIP12451										
	A		B	C	D	E	F	G	H	I

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application. Alternative wattages available upon request.

L433W | White 433W LED Light Engine | 54,082 Delivered Lumens

Cust_Out |

Lumen Calculator: Enter Lumens or Watts if different than displayed

<input type="text"/>	LU	Min 27432 - Max 54991
<input type="text"/>	W	Min 216.0 - Max 433.0

See last page for finish options

*For requests outside Min-Max range, please contact factory.

B - VOLTAGE *

120-277V | Universal Voltage

C - LAMP OPTIONS *

Apply multiplier from chart for delivered lumens at other CCT's and CRI's.

- 2700K | 2700K CCT
- 3000K | 3000K CCT
- 3500K | 3500K CCT
- 4000K | 4000K CCT
- 5000K | 5000K CCT

	80 CRI	90 CRI
2700K	n/a	0.67
3000K	0.93	0.74
3500K	0.93	0.74
4000K	1.00	0.74
5000K	1.00	n/a

D - CRI *

- DF_80¹ | (default)
- 90²

¹ Not Available in 2700K

² Not Available in 5000K

E - CONTROLS *

Extended lead times may apply for controls other than 0-10V. Contact factory for additional control options such as Current NX, Enlighted, Encelium, Wattstopper, WaveLinx, Casambi, or others.

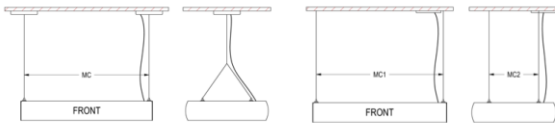
- DF_DIM1 | 0-10V Control, 1% Dimming (default)
- AWRN³ | Lutron Athena Wireless Node, 1% Dimming
- NLTA³ | Acuity nLight Air, 1% Dimming

³ Not recommended for natatorium environments without additional component protection. Contact factory for options.

F - MOUNTING *

Power drop canopy mounts to standard 4" octagonal junction box. Field adjustable aircraft cables allow fixture to be mounted at an application appropriate height (up to OAH)

- YIA | Y-Mount Aircraft Cable and Power Cord, Integral Supply
- SIA | Straight Aircraft Cables and Power Cord, Integral Supply



MC
25.7 in
65.3 cm

MC1 | **MC2**
25.7 in | 10 in
65.3 cm | 25.4 cm

YIA

SIA

G - EMERGENCY

10W, constant power battery back-up, with 90 minutes of emergency operation. EMR includes damp location enclosure for battery back-up.

- EMR | Emergency Battery Remote

H - OPTIONS

When the NAT option is selected, you can feel confident that the luminaire specified is designed with high-quality materials that will withstand the corrosive environment of indoor pools. Natatorium cables as well as additional surge protection are part of natatorium selection. Electrical components are protected from moisture and the fixture has been tested to operate in warm ambient temperatures.

- NAT | Natatorium Construction
- F | Fusing

I - OTHER THAN STANDARD OPTIONS

Specify overall height required from the ceiling to the bottom of the fixture. The OAH min/max range is determined only by the physical limitations of the luminaire. Appropriate mounting heights are separately calculated from photometric lighting layouts and recommended from the specifier. If the specified mounting height is outside of the OAH range, please contact the factory.

OAH ⁴ | Pendant suspension length other than standard

⁴ 36" Minimum OAH

Standard Finishes

The colors shown are representative. Their actual appearance may vary due to differences in display settings. You can request color chips by emailing contact@spilighting.com. Please note, finishes may not be available in all configurations.

Paint Colors

PT01 RAL9003 Signal White (Gloss)	PT51 Matte White (Textured)	PT02 White (Textured)	PT04 RAL9001 Cream (Textured)	PT67 RAL7044 Silk Grey (Textured)
PT53 RAL7035 Light Grey (Textured)	PT54 RAL7037 Dusty Grey (Textured)	PT55 RAL7012 Basalt Grey (Textured)	PT56 RAL7016 Anthracite Grey (Textured)	PT11 Black (Textured)
PT57 RAL1015 Light Ivory (Textured)	PT58 RAL8004 Copper Brown (Textured)	PT59 RAL6021 Pale Green (Textured)	PT60 RAL1019 Grey Beige (Textured)	PT61 RAL7006 Beige Grey (Textured)
PT62 RAL1003 Signal Yellow (Textured)	PT63 RAL3001 Signal Red (Textured)	PT64 RAL6001 Emerald Green (Textured)	PT65 RAL5005 Signal Blue (Textured)	PT66 RAL5003 Sapphire Blue (Textured)

Metallic Paint Colors

PT22 Platinum (Metallic Gloss)	PT48 Brass (Metallic Textured)	PT28 Dark Stainless (Metallic Gloss)	PT49 Bronze (Metallic Textured)	PT32 Dark Bronze (Metallic Gloss)
PT46 Aluminum (Metallic Textured)				

Specialty Finishes



More RAL®, Pantone®, and custom finishes are available upon request. Setup fee and additional lead time applies. Call factory for details.