EV FAMILY

Product Guide
Architectural LED Emergency Lighting

DUAL LITE ®

Value

Trusted Brand

- Extended product warranties
- Reduced maintenance costs
- Simplified installation

Performance

Sophisticated LED Based Lamp-head

- Offers 30% greater illumination than traditional incandescent lamps
- Indoor and Outdoor remotes offer superior light output
- Up to 83' spacing
- Optional damp, remote capacity and Spectron® self-test/self-diagnostics
- Longer lasting battery technology

Design

Ease of Installation and Maintenance

- Easy, quick installation
- Fully aimable, thermally controlled lamp-heads
- Long life cycle LEDs rated at 100,000 hours
- Premium battery types offer up to 30% greater life cycle than lead acid
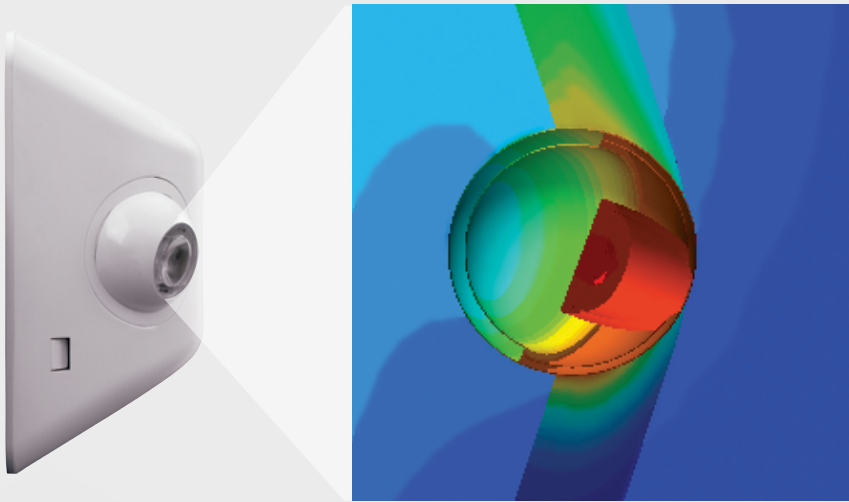
Sustainability

Our Future

- Up to 50% reduction in packing and plastic content
- Reduced input power requirements
- LED lifetime warranty
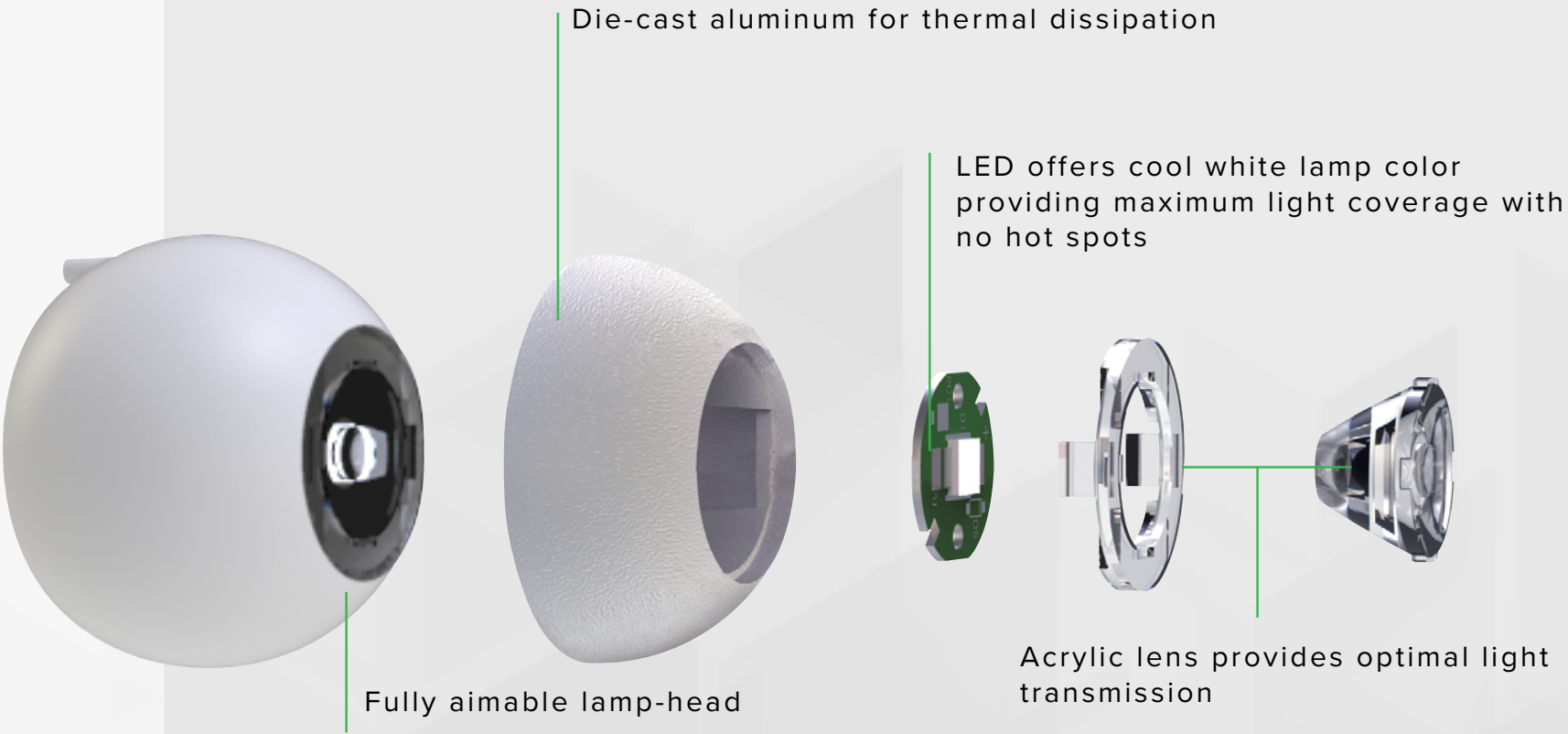- "Green" power sources

Aesthetics

Sleek Architectural Styling

- Integral LED lamp-heads
- Sleek, visually appealing
- Soft rounded contours and cloud-like appearance
- sturdy and robust construction

Thermal Management

The illustration shows the thermal effects of the LED and the heat dissipative qualities designed into the "eyeball"

Die-cast aluminum for thermal dissipation

LED offers cool white lamp color providing maximum light coverage with no hot spots

Fully aimable lamp-head

Acrylic lens provides optimal light transmission

EV FAMILY

The EV family is a complete line of LED architectural products that not only provides exceptional emergency operation but will complement your space.

EVE
LED Exit Sign
- Architectural, cloud-like housing with thin profile
- Long-Life Nickel Metal Hydride battery
- 10 year LED lifecycle
- Universal wall, end or ceiling mount with canopy

EVC
LED Combination Exit/Emergency Light
- Fully aimable, dual-ratcheting high output LED lamp-heads
- No-head option for up to 4 LED remotes
- Wall, ceiling or end mounting options
- Long life cycle Lithium Iron Phosphate battery

EVCHL
High Lumen Combination Exit/Emergency Light
- 85' multi-unit spacing
- Long-life Lithium Iron Phosphate battery
- Self-Test/Self-Diagnostics standard
- No-head models support remote lamp-heads

EVHC
High Lumen LED Emergency Light
- Designed for mounting heights from 9-20 feet
- High lumen option exceeds 50W halogen lamp
- Lithium Iron Phosphate battery offers 30% greater life

EV
LED Emergency Light
- Fully aimable optics providing up to 27' spacing
- High output LEDs provide uniform light patterns
- Capacity for single or double remotes
- "Green" Nickel Metal Hydride battery

EV4R
Recessed Ceiling-Mount Indoor LED
- Up to 42' spacing
- Compact, low-profile design
- Rectangular or round trim-plate in white or black finish
- 30% greater battery life

EV4D-02WAL
Architectural LED Emergency Light
- Optimized lighting pattern offering 50' spacing at 7.5' mounting height
- High power LED's offer 248 lumens per lamp
- Adjustable lamp-heads optimize lighting pattern at various mounting heights
- Environmentally friendly Nickel Metal Hydride Battery

EVR
Indoor LED Remote
- Fully aimable optics providing up to 27' spacing
- High output LEDs provide uniform light patterns
- 50% less plastic than traditional remote units
- Wall or ceiling mounting options

EVO
Outdoor LED Remote
- Fully aimable single or double lamp-head
- Can be located up to 50' from external power source
- Durable Die-Cast aluminum lamp housing and mounting plate

EVCHL SERIES

High Lumen Exit/Emergency Light

DUAL LITE®

Features

- High lumen output exit and emergency light for wall, ceiling or end mounting commercial applications
- Full lumen output over 90 minutes of battery discharge
- Long-life Lithium Iron Phosphate battery
- Models available without lamp-heads to support remote lamp-heads

High lumen lamp-heads allow for high mounting height

Impact resistant, flame rated and UV stable white or black thermoplastic housing

Models available without lamp-heads to support remote lamp-heads

External PUSH TO TEST switch, AC ON indicator and Spectron® Self-Test/Self-Diagnostics are standard

Multi-Unit Spacing

Multiple Unit Spacing (See Chart)

Mounting Height (See Chart)

6' Path

*Multiple unit spacing based on 6' path
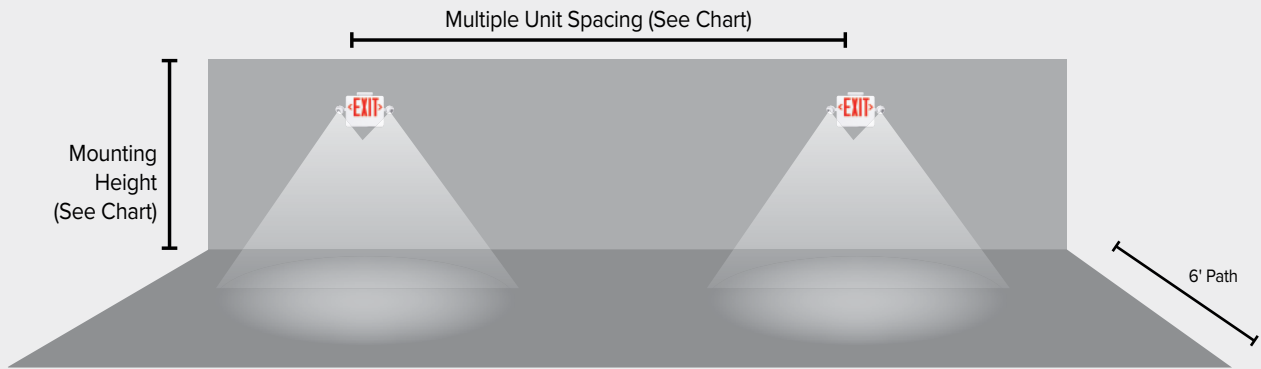
ELWRD, 696 lumens, 10 watts		
Mounting Height	7.5'	9'
Mult. Unit Spacing @1 FC Avg	85'	85'
Mult. Unit Spacing @1 FC Min	27'	29'

Industrial Perameters
Ceiling Height=30', Reflectance=10/10/10, Ceiling Mount Multiple Unit Spacing, 6'Path

Single Unit Coverage

(D)

(W)
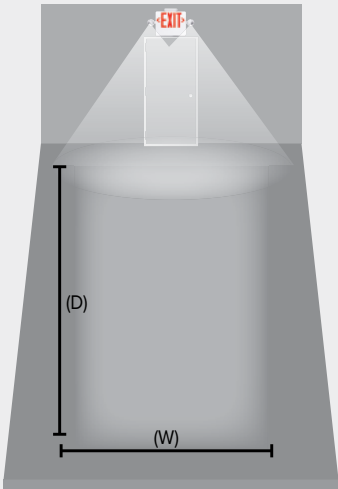
1 fc Minimum	
Depth (D)	Width (W)
3'	10'

1 fc Average	
Depth (D)	Width (W)
25'	10'

Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, mounting height of 7.5', ceiling height of 9' and reflectances of 80/50/20. Photometry files available on the Dual-Lite website (www.Dual-lite.com).

EV4D-02WAL SERIES

Architectural LED Emergency Light

DUAL LITE®

Features

- Intelligent 2-wire input connection
- External PUSH TO TEST switch and AC ON indicator
- Battery recharge within 24 hours
- Designed for Wall Mount
- Low voltage disconnect
- Conduit entry knockout located at the top center
- Microprocessor controlled pulse charger

Multi-Unit Spacing

2W Wide Area Lens		
Mounting Height	Path Width (PW)	Spacing (S)
7.5'	6'	50'
10'	6'	41'

Notes:
Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc.
Assumes open space with no obstructions, wall mounting height shown in above table, ceiling mounting height shown in above table and reflectances of 80/50/20.
Photometry files available on www.Dual-lite.com.

Special lens optimizes spacing to 50' at a 7.5' mounting height

Adjustable lamp-heads offer optimized light pattern for mounting from 7.5' - 12'

Impact resistant, flame rated and UV stable white or black thermoplastic housing

EV4R SERIES
## Recessed Ceiling-Mount Indoor LED

DUAL LITE®

Features

- Recessed to 0.20" reveal
- Low profile
- Architectural recessed ceiling mount, emergency light with superior emergency lighting coverage
- Flame-rated, UV stable thermoplastic housing
- Choice of round or rectangular trim-plate in white or black finish
- 4 LEDs housed within an aluminum heat-sink and adjustable optic assembly
- Individual LEDs are driven at 1 watt each for 88 lumens per LED
- UL924 damp location listed
- IC Rated

Steel back box includes caddy bar assembly

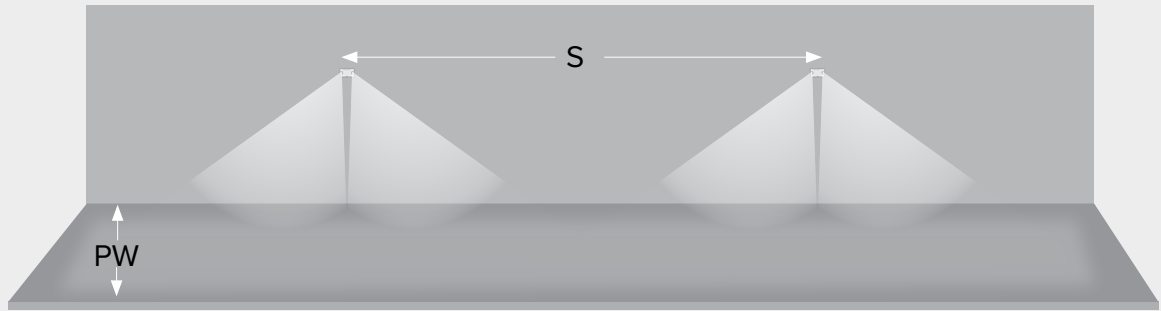Impact resistant, flame rated and UV stable white or black thermoplastic housing

Powerful LED optical assembly

Adjustable lamp-head maximizes spacing
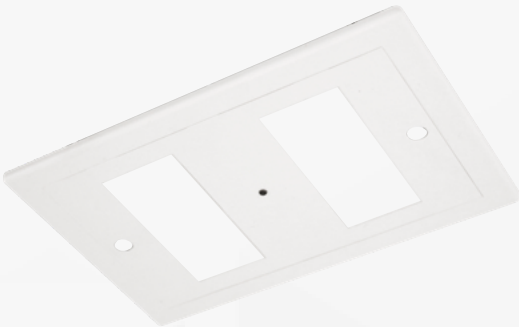
Includes rectangular or round trim plate
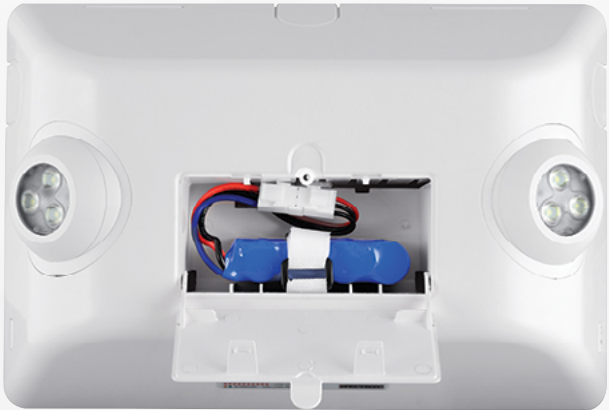
Multi-Unit Spacing

Mounting Height	Spacing (S)	Path Width (PW)
9'	42'	6'

Notes:
Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, ceiling height of 9' and reflectances of 80/50/20. Photometry files available on the Dual-Lite website (www.dual-lite.com).

EVHC SERIES
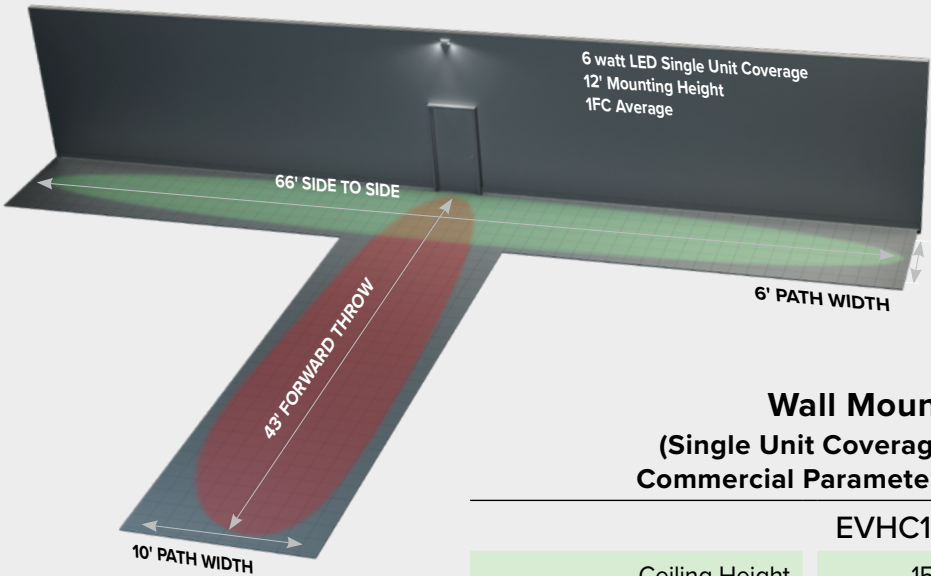## High Lumen LED Emergency Light

DUAL LITE®

Features

- Available with standard 346 lumen lamp
- High lumen option of 546 lumens per head
- Standard model offers 51' spacing on a 10' mounting height
- HThaigh lumen option offers 75'
- Fully Adjustable High-Output LED Lamps
- High impact, flame rated and UV stable thermoplastic housing
- Conduit entry from the top and both sides
- Flashing trouble code for "Battery Disconnect" or "Charger Fault" on

Standard Model
- EasyID option includes battery compartment and highly visible fault code status panel with Self-Test/Self-Diagnostics
- Optional Battery Compartment
- Optional: Self-Test/Self-Diagnostics
- Optional: High Lumen- 6W Lamps
- Accessory: EVHCR2 Double Head Matching Remote
- Remote capacity models have a minimum run-time of 120 minutes when no remotes are installed

EasyID option includes battery compartment and highly visible fault code status panel with Self-Test/Self-Diagnostics

Single Unit Coverage

The below illustration provides an example of **Side-to-Side** or **Forward Throw** configurations.

6 watt LED Single Unit Coverage
12' Mounting Height
1FC Average

66' SIDE TO SIDE

6' PATH WIDTH

43' FORWARD THROW

10' PATH WIDTH

Wall Mounted
(Single Unit Coverage - 1 FC Avg)
Commercial Parameters R=80/50/20

	EVHC12-06L	EVHC-03L
Ceiling Height	15'	12'
Mounting Height	12'	9'
Max Spacing 6' Path	66'	48'
Max Forward Throw 10' Path	43'	34'

The EVHC Series meets proposed California Energy Commission(CEC) requirements for limits on power consumption in maintenance mode with less than 0.5 watts.

MULTI-UNIT COVERAGE

EVE
LED Exit Sign
Bright Panel Face
10 Year LED Lifecycle
Long-Life NiMH Battery

EVR
Indoor LED Remote
Doubles the Spacing
Powered by Combo or Unit

EV
LED Emergency Light
Spacing Up To 27'
-02L Option Increases
 Spacing to 39' (3' path)

EVC
LED Combination
Exit/Emergency Light
Coverage of 16' X 10'
Fully Adjustable Integral LED Heads
No-Head Option Runs 4 Remotes

EV4R
Recessed Ceiling-Mount Indoor LED
Up to 42' spacing
Compact, low profile design
Rectangular or round trim-plate in white or black finish

EVCHL
High Lumen Combination
Exit/Emergency Light
Single Unit coverage 27' x 10'
Fully Adjustable LED Lamp-heads
No-Head Option Runs Remotes
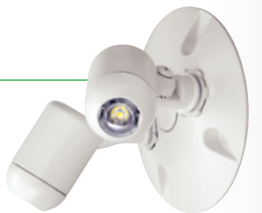
EVO
Outdoor LED Remote
Sealed and Gasketed for Outdoor use
Matching Long-Life LEDs
Powered by Combo or Unit

EVO
Outdoor LED Remote

6' PATH
6' PATH
42' SPACING
20' SPACING
16' x 10' COVERAGE
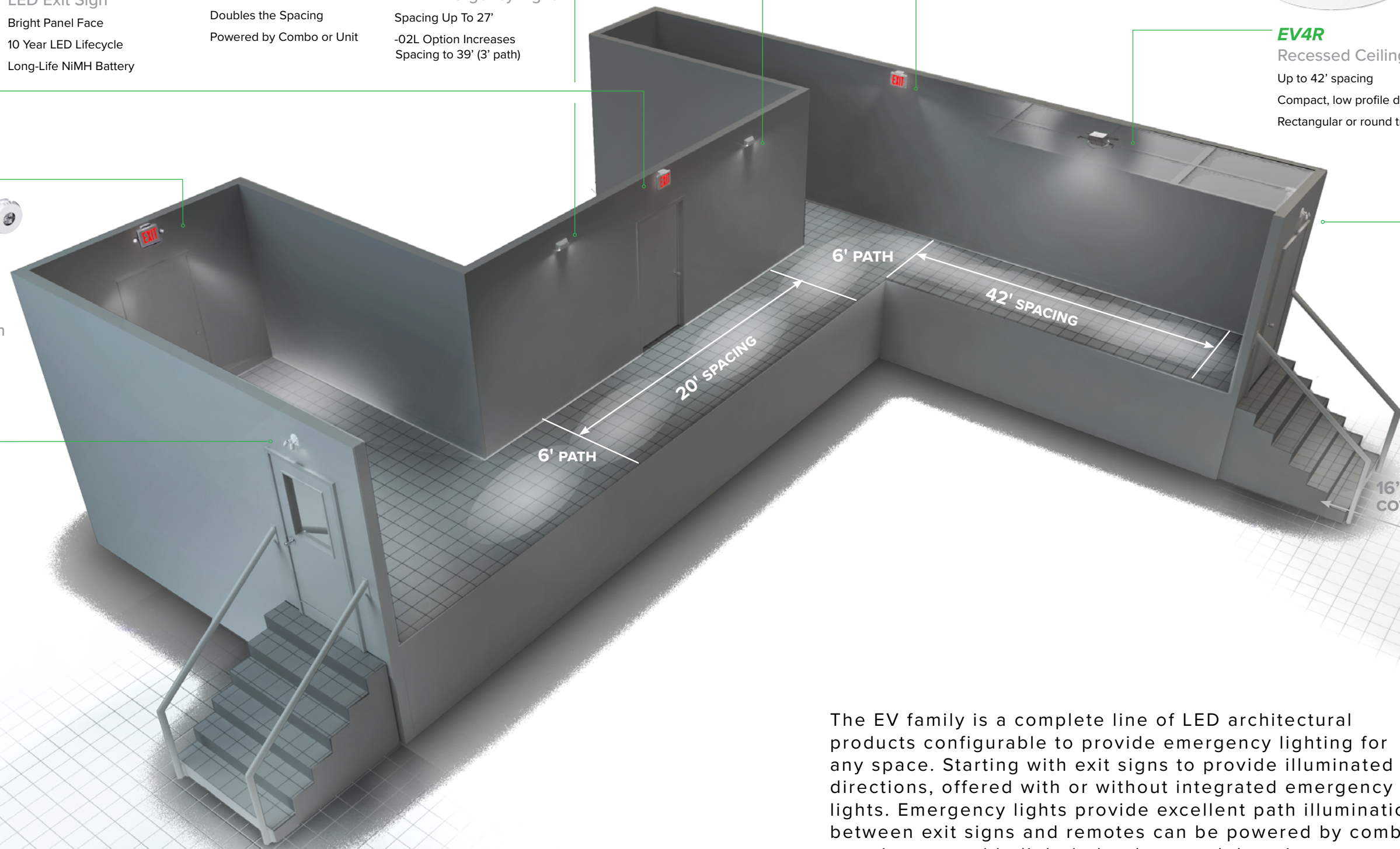
The EV family is a complete line of LED architectural products configurable to provide emergency lighting for any space. Starting with exit signs to provide illuminated directions, offered with or without integrated emergency lights. Emergency lights provide excellent path illumination between exit signs and remotes can be powered by combo or units to provide light in hard to reach locations.

HUBBELL®
Lighting

ARCHITECTURAL AREA LIGHTING

BEACON PRODUCTS

COLUMBIA LIGHTING

COMPASS

DUAL-LITE

HUBBELL CONTROL SOLUTIONS

HUBBELL OUTDOOR LIGHTING

KIM LIGHTING

KURT VERSEN

LITECONTROL

PRESCOLITE

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