



Life Safety

Product Portfolio

Commercial and Industrial Life Safety luminaires



Commercial Indoor Emergency lights, Exits and Combos
Hobephane® emergency lighting products continue to prove reliable and affordable. With a low-profile form factor and small, unobtrusive LED lamp heads, the commercial indoor emergency lights, exit signs and exit combination lights are designed to remain inconspicuous in small spaces at low mounting heights while providing 90-minutes of illumination upon the loss of AC power.

Cortez®				
CZ02L	CZ04L/ CZ06L	EXOM	Magellan QMH	NEX
				
Controls	SDR† - Self-Diagnostics and Remote Testing	DR† - Self-Diagnostic and AELC - SDR†	DR† - Self-Diagnostic and AELC - SDR†	Self-Diagnostics
Key Features & Options	+ White Housing + Black Housing + Linear pattern LED + CZMPIS - Wet Protective Shield Option + Multiple remotes options + US Open + LH - Less Lamp Head- Option + HO - High-Output Battery + HO - Extra High-Output Battery Option + PM - Pendant Mount Option	+ White Housing + Black Housing + Red or Green Letter Coloring Selection + (EXOM only) AC Battery Back-Up (E) Switch (non-toxic versions only) + High-Output (HO) option to power LED + Simple Face (extra fanplate for field conversion standard) + Top, end or back mount options	+ White Housing + Black Housing + Red Panel + Green Panel + RO - Less Lamp Heads Options + HO - High-Output Battery Option + HO - Extra High-Output Battery Option + USPOW - Assembled in the US	+ 3 different housing colors + Red or Green + Lamber proof option + Vandal resistance + Shield available + Universal mounting + 110VAC standard + USPOW - Assembled in the US
Standard Voltage	Dual voltage input (120-277V) or UVOLT (120-347V)	Multi-Volt (120/277V)	Dual-voltage input (120/277V)	Universal-voltage input (120-347V)
Lamp	220 lumen LED	LED	LED	LED
Construction	Thermoplastic housing Acrylic lens	Thermoplastic housing Acrylic lens	Thermoplastic housing Acrylic lens	Die-cast aluminum
UL & Other Ratings	UL 924, NFPA 101, IBC, NFPA 70, NFM, FCC AND OSHA Certified in C-120 Appliance Efficiency Database	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA Certified in C-120 Appliance Efficiency Database	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA Certified in C-120 Appliance Efficiency Database	UL 924, NFPA 101, NFPA 70A-NEC, C22.2 CSA, FCC and OSHA UL wet location listed standard, cUL listed and labeled to comply with Canadian Standards C22.2 No. 14-10, Certified in C-120 Appliance Efficiency Database
Temperature Range	55-104°F (10-40°C)	50-104°F (10-40°C)	50-104°F (10-40°C)	33-122°F (0-50°C) CW-22427°F (-30-50°C)
Battery	Nickel Cadmium Lithium iron phosphate (LTP)	Nickel Cadmium	Nickel Cadmium	Lithium Iron phosphate battery
Spacing	Up to 35 feet	Up to 35 feet	Up to 25 feet	Up to 70 feet
Light Pattern	Linear	N/A	N/A	Wide throw
Emergency Power	90 - minutes	90-minutes	90-minutes	90 minutes
Installation	Ceiling or wall mount	Universal (top, end or back) mount	Universal (top, end or back) mount	Wall- or building-mounting
Self-Diagnostics (optional)	Yes	Yes	Yes	Yes, standard

Architectural Emergency Lights

Hobephane® Architectural emergency products are perfectly suited for commercial and municipal applications. The rugged designs target light, heavy, indoor and outdoor environments. With superior-performance lamp heads, these luminaires are ideally suited for maximum spacing at higher mounting heights.

Cortez®	
CZAFB	CZAFP
	
Controls	SDR† - Self-Diagnostics and Remote Testing
Key Features & Options	+ White housing + Dark bronze housing + SDR† - Self-Diagnostic Remote Testing + USPOW - Assembled in the US Option
Standard Voltage	Universal-voltage input (120-347V)
Lamp	+ 225 Lumens LED (EW) + 225 Lumens LED (Normal on) + 4,000 CCT + 635 Lumens LED (EW) + 635 Lumens LED (Normal on) + 4,000 CCT
Construction	Die-cast aluminum housing Polycarbonate lens
UL & Other Ratings	UL 924, NFPA 101, NFPA 70A-NEC, C22.2 CSA, FCC and OSHA UL wet location listed standard, cUL listed and labeled to comply with Canadian Standards C22.2 No. 14-10, Certified in C-120 Appliance Efficiency Database
Temperature Range	33-122°F (0-50°C) CW-22427°F (-30-50°C)
Battery	Nickel-cadmium, Optional lithium iron phosphate (LTP)
Spacing	UPTO 30 FEET
Light Pattern	Wide throw
Emergency Power	90 minutes
Installation	Wall- or building-mounting
Self-Diagnostics	Yes, optional

Industrial/Demanding Emergency Lights, Exits and Combos

Hobohane® industrial environment emergency products are perfectly suited for industrial, manufacturing, commercial and municipal applications. The rugged designs target light, heavy and demanding, indoor and outdoor environments. With superior-performance lamp heads, these luminaires are ideally suited for maximum spacing at higher mounting heights.

Cortez®		Descoto®	
C42	DSL3	DM30 WLLED	DSL46
			
Application Controls Key Features & Options	Steel N/A Wet Location Industrial SDRF - Self-Diagnostics and Remote testing Gray housing + 3.7M remote capacity standard + Corrosion proof + Scratch-resistant + Impact-resistant + HD - High-Output Battery + EFC - Extra High-Output Battery + EFC - Cold-Chamber Resists Discoloration + Matching remotes + USFOM - Assembled in the US Option	Wet Location Industrial N/A Gray housing + 3.7M remote capacity standard + Corrosion proof + Scratch-resistant + Impact-resistant + HD - High-Output Battery + EFC - Extra High-Output Battery + EFC - Cold-Chamber Resists Discoloration + Matching remotes + USFOM - Assembled in the US Option	Heavy/Demanding SDRF - Self-Diagnostics and Remote testing Gray housing + SDRF - Self-Diagnostics and Remote Testing + HD - High-Output Battery + EFC - Extra High-Output Battery + EFC - Cold-Chamber Resists Discoloration + Matching remotes + USFOM - Assembled in the US Option
Standard Voltage	Dual-voltage input (120/277V)	Dual-voltage input (120/277V)	UVOLT (120-347V, 50/60Hz)
Lamp	Par 36 sealed-beam lamps in incandescent or halogen	SP440L - 440 lumen LED, 3.3 watt SP1100L - 1100 lumen LED, 5.3 watt SP2200L - 2200 lumen LED, 11 watt	SP440L - 440 lumen LED, 3.3 watt SP1100L - 1100 lumen LED, 5.3 watt SP2200L - 2200 lumen LED, 11 watt
Construction	18 gauge steel housing	Thermoplastic housing	Polycarbonate housing
UL & Other Ratings	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA	xUL 924, NFPA 101, IBC, NFPA 70, NOM, FCC AND OSHA, cUL listed and labeled to comply with Canadian Standards C22.2 no. 141-0	NEMA 4X, IP66, NSF, UL 924, NFPA 101, IBC, NFPA 70, NOM, FCC AND OSHA, cUL listed and labeled to comply with Canadian Standards C22.2 no. 141-0
Temperature Range	55-104°F (10-40°C)	32°F to 122°F (0-50°C) CW-22-122°F (-30-50°C)	32-122°F (0-50°C) CW-22-122°F (-30-50°C)
Battery	Sealed lead-acid or Nickel Cadmium	Lithium iron phosphate (LFP)	Lithium iron phosphate (LFP)
Spacing	Spot	Up to 130 feet	Up to 130 feet
Light Pattern	Spot	Spot	Spot
Emergency Power	90-minutes	90-minutes	90-minutes
Installation	Wall mount	Wall or pole mounting	Wall or pole mounting
Self-Diagnostics (optional)	No	Yes, standard	Yes, standard

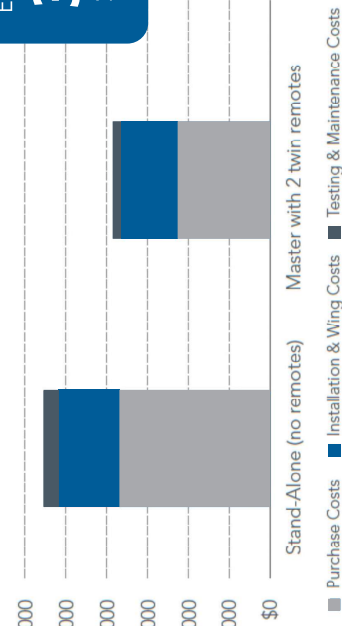
Daleon					
DTL	DTLC	DTLX	HDX	HLHC	HELU
					
Application Controls Key Features & Options	Wet Location Self-Diagnostics + Red or Green housing + White, Black or Gray housing + Impact resistant + Corrosion proof + EFC - Cold-Chamber Resists Discoloration + Scratch resistant + Tamper-resistant + Self-Diagnostics option + Cold temperature option standard	Demanding/Hazardous Self-Diagnostics + Six different housing colors + Cold weather option + NSF certified + Universal Mounting + Tamper-resistant + Included with tamper resistant screws	Demanding/Hazardous N/A + Red or Green + Single or Double face + Custom legends + 3 hour battery standard + 30 minute battery option	Demanding/Hazardous Self-Diagnostics + Red or Green + Single Face + Small, adjustable LED lamp heads + Wall or pendant mount + High impact, corrosion-resistant enclosure	Demanding/Hazardous Self-Diagnostics + Small, adjustable LED lamp heads + Wall or pendant mount + High impact, corrosion-resistant enclosure
Standard Voltage	Dual-voltage input (120/277V)	Dual-voltage input (120/277V)	Dual-voltage input (120/277V) or 200-240V	120V or 277V	120V or 277V
Lamp	LED	LED	3 watt LED	LED	LED
Construction	Thermoplastic housing with polycarbonate lens	Thermoplastic housing with polycarbonate lens	Acrylic Edge lit panel	UV stabilized with polycarbonate lens	UV stabilized with polycarbonate lens
UL & Other Ratings	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA Certified in CA 120-appliance Efficiency Database	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA Certified in CA 120-appliance Efficiency Database	Title 20 UL844 Class 1, Division 2, Groups C & D Class 1, Division 2, Groups A, B, C & D Class 2, Division 1 & 2, Group E, F & G Class 3 Simultaneous Presence Class 1 & 2 IIA, IIB + H2 & IIC	Title 20 UL844 Class 1, Division 2, Groups C & D Class 1, Division 2, Groups A, B, C & D Class 2, Division 1 & 2, Group E, F & G Class 3 Simultaneous Presence Class 1 & 2 IIA, IIB + H2 & IIC	UL844: Class 1, Division 1 & 2, Groups C, D Class 1, Division 2, Groups E, F, G Class 2, Division 1 & 2, Groups E, F, G Class 3 Class 1, Zones 1 & 2, Groups IIA UL924, UL 203 BQCA, OSHA and IBC NFPA 101, NEC, Illumination standards + IEC 61951-1 Life Testing (batteries)
Temperature Range	-4°F to 122°F (-20°C to 50°C)	32°F to 122°F (0°C to 50°C) CW-4°F to 122°F (-20°C to 50°C)	55-104°F (10-40°C)	-4-122°F (-20°C - 50°C)	-4-122°F (-20°C - 50°C)
Battery	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium
Spacing	N/A	24 feet +	N/A	n/a	n/a
Light Pattern	N/A	N/A	N/A	Spot	n/a
Emergency Power	90-minutes	90-minutes	3 hour	90-minutes	90 minutes
Installation	Universal (top, end or back) mount	Universal (top, end or back) mount	End (BR option) or Wall/Pendant (PW option)	Wall mount	Wall or pendant
Self-Diagnostics (optional)	Yes	Yes	No	Yes	Yes



What are remotes and why are they used?

An emergency remote head is a stand-alone lamp with no internal battery backup. Remote lamps are mounted on a base, with either single or twin lamps, and powered by an external battery source, most likely from an emergency lighting unit or exit-unit combo with extra capacity. By eliminating the battery, remotes are often more affordable than illuminating that same path of egress than stand-alone units. Additionally, emergency remote lamps are tested simultaneously with their emergency unit counterpart. This means that you are still following the Life Safety Code (NFPA 101) with less fixtures to test monthly/annually.

Total Year 1 Costs Comparison



1. How do I know which remote is compatible with my power source (unit or combo)?

The battery voltage of the remote and the unit must match. Holophane® remote lamp heads, such as the new Cortez™ CZQRW, are standard with a broad voltage range that cover the majority of battery voltages used in LED units. Additionally, most of the new emergency remotes from Holophane are UL Listed to operate with any battery source within the voltage range.

2. Where are remotes used?

In majority of instances, emergency remote lamps are used in environments that are not conducive to batteries. Often the cost savings for remotes are greater in demanding environments. Holophane offers universal voltage remotes that suit most applications including: commercial office, light industrial, wet location and heavy industrial environments.

3. How far can I mount the remotes from the battery source?

The distance allowed between the emergency remote and battery source (i.e. unit or combo) depends on the battery voltage of the system, watts of the remote lamp heads and the gauge wire used. Please see product webpage for maximum spacing information for Holophane LED remotes.

Remote Lamp Heads

An emergency remote head is a stand-alone lamp with no internal battery backup. Remote lamps are mounted on a base, with either single or twin lamps, and powered by an external battery source, most likely from an emergency lighting unit or exit-unit combo with extra capacity. By eliminating the battery, remotes are often more affordable than illuminating that same path of egress than stand-alone units. Additionally, emergency remote lamps are tested simultaneously with their emergency unit counterpart. This means that you are still following the Life Safety Code (NFPA 101) with less fixtures to test monthly/annually.

	Wet Location / Outdoor			Light Commercial/Indoor		Heavy Industrial NEMA 4X
	Cortez™	Cortez™	Desolo™	Cortez™	Desolo™	
	CZQRW	CZ4B OELR CZ4P OELR	DS4BRE	CZQRE	DS4BRE	
						
Compatible DC Battery Voltage	5-20VDC (LP220L) 5-20VDC (SP840L)	8-30VDC	5-20VDC (SP840L) 7-30VDC (SP1100L) 7-30VDC (SP2200L)	5-20VDC (LP220L) 5-20VDC (SP840L) 7-30VDC (SP1100L)	5-20VDC (SP840L) 7-30VDC (SP1100L) 7-30VDC (SP2200L)	
Watts per Lamp Head	LP220L - 12W SP840L - 3.3W	CZ4B OELR WT - 2.4W CZ4P OELR WT - 8.5W CZ4P OELR ECT - 8.2W	SP840L - 3.3W SP1100L - 5.3W SP2200L - 11W	LP220L - 1.2W SP840L - 3.3W SP1100L - 5.3W	SP840L - 3.3W SP1100L - 5.3W SP2200L - 11W	
Lumens per Lamp Head	LP220L - 110 LM SP840L - 320 LM	CZ4B OELR WT - 225 LM CZ4P OELR WT - 550 LM CZ4P OELR ECT - 450 LM	SP840L - 320 LM SP1100L - 550 LM SP2200L - 1100 LM	LP220L - 130 LM SP840L - 320 LM SP1100L - 550 LM	SP840L - 320 LM SP1100L - 550 LM SP2200L - 1100 LM	
Maximum Spacing (Twin remotes)	LP220L - 35' SP840L - 47'	AFB WT - 30' AFF WT - 69' AFF ECT - 35'	SP840L - 43' SP1100L - 82' SP2200L - 128'	LP220L - 35' SP840L - 47' SP1100L - 48'	SP840L - 57' SP1100L - 72' SP2200L - 110'	
Temperature Range	-40°F to 131°F (-40°C to 55°C)	-40°F to 122°F (-40°C to 50°C)	-40°F to 131°F (-40°C to 55°C) @ SP840L or 22°F to 104°F (-30°C to 40°C)	-22°F to 104°F (-30°C to 40°C)	-40°F to 131°F (-40°C to 55°C) @ SP840L or 22°F to 104°F (-30°C to 40°C)	
Self-Diagnostics Compatibility	Yes	Yes	Yes	Yes	Yes	
Listings	UL Wet Location, CSA	UL, Wet Location, CSA	UL, Wet Location, CSA	UL, CSA	UL, P66, CSA, NEMA 4X, NSF	
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year	
Recommended Holophane Products	CZQBL, CZQAL, QM LED	DS4L, DS446, CZQAL, CZQAL, QM LED	DS4L, DS446, CZQAL, CZQAL, QM LED	CZQBL, CZQAL, CZQAL, QM LED, DS4L, DS446	DS4L, DS446, CZQAL, CZQAL	
Alternate Compatible Holophane Products	CZ450, CZ475, CZ480, CZ475, DS4L, DS446	CZ450, CZ475, CZ480, CZ475	CZ450, CZ475, CZ480, CZ475	C42	C450, CZ475, CZ480, C4275	



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Holophane, S.A. de C.V., Km. 31 Carretera Mexico-Cuautitlan 54900 Tultitlan Edo. De Mexico

Contact your local Holophane factory sales representative for application assistance, and computer-aided design and cost studies.

Warranty Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Visit our web site at www.holophane.com

Product specifications may change without notice. Please contact your local Holophane factory sales representative for the latest product information.