




HOLOPHANE[®]
LEADER IN LIGHTING SOLUTIONS



Life Safety
Product Portfolio



Commercial and Industrial Life Safety Luminaires

Commercial Indoor Emergency Lights, Exits and Combos

Holophane® 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.

	CZQ2L	CZQ4L/ CZQ6L	QM LED	MEX
	Cortez™		Magellan	
				
Controls	SDRT - Self-Diagnostics and Remote Testing	SDRT - Self-Diagnostics and Remote Testing	Self-Diagnostics	Self-Diagnostics
Key Features & Options	<ul style="list-style-type: none"> + White Housing + Black Housing + Linear pattern LED + CZWPVS - Wet Protective Vandal Shield Option + Multiple remotes options + USPOM - Assembled in the US Open 	<ul style="list-style-type: none"> + White Housing + Black Housing + CZWPVS - Wet Protective Vandal Shield Option + Multiple remotes options + USPOM - Assembled in the US Open + LLH - Less Lamp Heads Option + HO - High-Output Battery Option + EHO - Extra High-Output Battery Option + PM - Pendant Mount Option 	<ul style="list-style-type: none"> + White Housing + Black Housing + Red Panel + Green Panel + RO - Less Lamp Heads Options + HO - High-Output Battery Option + 3 Face (extra faceplate for field-conversion standard) + USPOM - Assembled in the US 	<ul style="list-style-type: none"> + 3 different housing colors + Red or Green + Tamper proof option + Vandal resistance shield available + Universal mounting + FI - Fire alarm interface
Standard Voltage	Dual voltage input (120/277V) or UVOLT (120-347V)	MVOLT input (120-277V) or UVOLT (120-347V)	Dual-voltage input (120/277V)	Universal-voltage input (120-347V)
Lamp	220 lumen LED	640 lumen LED (CZQ4L) 1,100 lumen LED (CZQ6L)	160 lumen LED	LED
Construction	Thermoplastic housing Acrylic lens	Thermoplastic housing Acrylic lens	Thermoplastic Housing	Die-cast aluminum
UL & Other Ratings	UL 924, NFPA 101, IBC, NFPA 70, NOM, FCC AND OSHA <small>Certified in CA T20 Appliance Efficiency Database</small>	UL 924, NFPA 101, IBC, NFPA 70, NOM, FCC AND OSHA <small>Certified in CA T20 Appliance Efficiency Database</small>	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA <small>Certified in CA T20 Appliance Efficiency Database</small>	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA
Temperature Range	50-104°F (10-40°C)	50-104°F (10-40°C)	50-104°F (10-40°C)	50-104°F (10-40°C)
Battery	Nickel Cadmium Lithium iron phosphate (LTP)	Nickel Cadmium Lithium iron phosphate (LTP)	Nickel Cadmium	Nickel Cadmium
Spacing	Up to 33 feet	Up to 67 feet (CZQ4L) Up to 98 feet (CZQ6L)	Up to 25 feet	N/A
Light Pattern	Linear	Narrow	N/A	N/A
Emergency Power	90 - minutes	90 - minutes	90-minutes	90-minutes
Installation	Ceiling or wall mount	Ceiling or wall mount	Universal (top, end or back) mount	Universal (top, end or back) mount
Self-Diagnostics (optional)	Yes	Yes	Yes	Yes

Architectural Emergency Lights

Holophane® 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.

	CZAFB	CZAFP
	Cortez™	
		
Controls	SDRT - Self-Diagnostics and Remote Testing	SDRT - Self-Diagnostics and Remote Testing
Key Features & Options	<ul style="list-style-type: none"> + White housing + Dark bronze housing + SDRT - Self-Diagnostic Remote Testing + Matching remotes + USPOM - Assembled in the US Option 	<ul style="list-style-type: none"> + White housing + Dark bronze housing + SDRT - Self-Diagnostic Remote Testing + Matching remotes + USPOM - Assembled in the US Option
Standard Voltage	Universal-voltage input (120-347V)	Universal-voltage input (120-347V)
Lamp	<ul style="list-style-type: none"> + 225 Lumens LED (EM) + 225 Lumens LED (Normal on) + 4,000 CCT 	<ul style="list-style-type: none"> + 635 Lumens LED (EM) + 635 Lumens LED (Normal on) + 4,000 CCT
Construction	Die-cast aluminum housing Polycarbonate lens	Die-cast aluminum housing Polycarbonate lens
UL & Other Ratings	UL 924, NFPA 101, NFPA 70-NEC, C22.2 CSA, FCC and OSHA UL wet location listed standard, cUL listed and labeled to comply with Canadian Standards C22.2 No. 141-10, Certified in CAT20 Appliance Efficiency Database	UL 924, NFPA 101, NFPA 70-NEC, C22.2 CSA, FCC and OSHA UL wet location listed standard, cUL listed and labeled to comply with Canadian Standards C22.2 No. 141-10, Certified in CAT20 Appliance Efficiency Database
Temperature Range	32-122°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	Nickel-cadmium, Optional lithium iron phosphate (LTP)	Lithium Iron phosphae battery
Spacing	UP TO 30 FEET	up to 70 feet
Light Pattern	Wide throw	Wide throw or forward through
Emergency Power	90 minutes	90 minutes
Installation	Wall- or building-mounting	Wall- or building-mounting
Self-Diagnostics	Yes, optional	Yes, standard

Industrial/Demanding Emergency Lights, Exits and Combos

Holophane® 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.

	C42	DSL3	DM30 WL LED	DSL46	M70
	Cortez™	Desoto™			
					
Application	Steel	Wet Location Industrial	Wet Location Industrial	Heavy / Demanding	Demanding/Hazardous
Controls	N/A	SDRT- Self-Diagnostics and Remote Testing	N/A	SDRT- Self-Diagnostics and Remote Testing	Self-Diagnostics
Key Features & Options	<ul style="list-style-type: none"> + W16W/24W/36W/50W/125W/180W/265W versions available + 18 gauge steel housing + Tan or white + AC/LVD reset to prevent battery damage + NOM certification 	<ul style="list-style-type: none"> + Gray housing + SDRT- Self-Diagnostics and Remote Testing + HO - High-Output Battery + EHO - Extra High-Output Battery + CW- Cold Weather + Matching remotes + USPOM - Assembled in the US Option 	<ul style="list-style-type: none"> + Gray housing + 3.7W remote capacity standard + Corrosion proof + Scratch-resistant + Impact-resistant 	<ul style="list-style-type: none"> + Gray housing + SDRT- Self-Diagnostics and Remote Testing + HO - High-Output Battery + EHO - Extra High-Output Battery + CW- Cold Weather + Matching remotes + USPOM - Assembled in the US Option 	<ul style="list-style-type: none"> + Gray housing + Impact resistant + Class 1, Div 2 and Class 2, Div 2 + Up to 3 lamp heads + Self - diagnostics + 25W,50W,75W,100W,125W,150W versions available + Voltmeter or Ammeter options
Standard Voltage	Dual-voltage input (120/277V)	UVOLT (120-347V, 50/60Hz)	Dual-voltage input (120/277V)	UVOLT (120-347V, 50/60Hz)	Dual-voltage input (120/277V)
Lamp	Par 36 sealed-beam lamps in incandescent or halogen	SP640L - 640 lumen LED, 3.3 watt SP1100L - 1100 lumen LED, 5.3 watt SP2200L - 2200 lumen LED, 11 watt	Par 36 LED , 1.9W	SP640L - 640 lumen LED, 3.3 watt SP1100L - 1100 lumen LED, 5.3 watt SP2200L - 2200 lumen LED, 11 watt	Par36 (Tungsten or Halogen)
Construction	18 gauge steel housing	Polycarbonate Housing	Thermoplastic Housing	Polycarbonate Housing	Fiberglass reinforced polyester
UL & Other Ratings	UL 924, NFPA 101, IBC, NFPA 70 , NEC AND OSHA	xUL 924, NFPA 101, IBC, NFPA 70 , NOM, FCC AND OSHA, UL wet location listed , cUL listed and laveled to comply with Canadian Standards C22.2 no. 141-10 Certified in CAT20 Appliance Efficiency Database	UL 924, NFPA 101, IBC, NFPA 70 , NEC AND OSHA. UL Wet location listed	NEMA 4X, IP66 , NSF , UL 924, NFPA 101, IBC, NFPA 70 , NOM, FCC AND OSHA , cUL listed and laveled to comply with Canadian Standards C22.2 no. 141-10 Certified in CAT20 Appliance Efficiency Database	UL 844: Class 1, Division 2, Groups A,B,C,D Class 2, Division 2, Groups F,G Class 1, Zone 2, Groups IIA, IIB + H2, IIC + UL 924 + NFPA 101, NEC, BOCA, OSHA and IBC
Temperature Range	50-104°F (10-40°C)	32-122°F (0-50°C) CW -22-122°F (-30-50°C)	32°F to 122°F (0°C to 50°C)	32-122°F (0-50°C) CW -22-122°F (-30-50°C)	65°F to 85°F (19°C to 30°C)
Battery	Sealed lead-acid or Nickel Cadmium	Lithium iron phosphate (LTP)	Nickel Cadmium	Lithium iron phosphate (LTP)	Lead Calcium or Nickel Cadmium
Spacing		Up to 130 feet	Up to 15 feet	Up to 130 feet	
Light Pattern	Spot	Spot	Spot	Spot	Spot
Emergency Power	90 -minutes	90- minutes	90 -minutes	90- minutes	90 -minutes
Installation	Wall mount	Wall or pole mounting	Wall mount	Wall or pole mounting	Wall mount
Self-Diagnostics (optional)	No	Yes, standard	No	Yes, standard	Yes

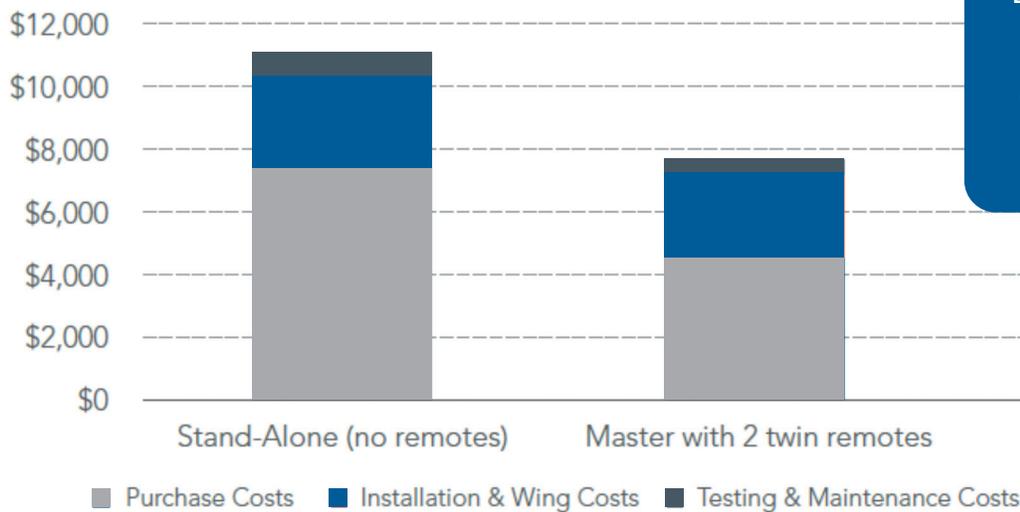
DLTL	DLTLC	DLTLX	HDX	LHD	DSHZ	DSHR
DeLeon				DeLeon	Desoto™	
						
Wet Location	Demanding	Demanding/Hazardous	Demanding/Hazardous	Demanding/Hazardous	Demanding/Hazardous	Self-Diagnostics
Self-Diagnostics	Self-Diagnostics	Self-Diagnostics	N/A	Self-Diagnostics	n/a	n/a
<ul style="list-style-type: none"> + Red or Green + White, Black or Gray housing + Impact resistant + Corrosion proof + UV stable plastic resists discoloration + Scratch resistant + Tamper-resistant + Self-diagnostics option + Cold temperature option standard 	<ul style="list-style-type: none"> + Red or Green + White or black housing + Impact resistant + Scratch resistant + TPS - Tamperproof Screw Hardware option + Self-diagnostics option + CW - Cold temperature option 	<ul style="list-style-type: none"> + Six different housing colors + Cold weather option + NSF certified + Universal Mounting + Red or Green + Included with tamper resistant screws 	<ul style="list-style-type: none"> + Red or Green + Single or Double face + Custom legends + 3 hour battery standard 	<ul style="list-style-type: none"> + Red or Green + Single or Double face + Available as an Exit, Combo + FA - Fire alarm interface + TD - Time delay option 	<ul style="list-style-type: none"> + Explosion proof emergency battery + KL - Key lock option + Time delay options + 6 or 12 volt battery options + AC or emergency operation 	<ul style="list-style-type: none"> + AC only or EM compatible lamps + Pendant, ceiling or wall mounted + Use in extreme hazardous locations (paired with DSHZ)
Dual-voltage input (120/277V)	Dual-voltage input (120/277V)	Dual-voltage input (120/277V)	Dual-voltage input (120/277V) or 220-240V	Dual-voltage input (120/277V)	Dual-voltage input (120/277V)	Dual-voltage input (120/277V)
LED	LED	LED	3 watt LED	Tungsten lamp heads	n/a	Incandescent, Halogen or Compact fluorescent
Thermoplastic housing with polycarbonate lens	Thermoplastic housing with polycarbonate lens	Cast aluminum with UV-stable polycarbonate	Acrylic Edge lit panel	Fiberglass reinforced polyester	Cast aluminum	Cast aluminum with a corrosion resistant, epoxy powder coat finish
UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA Certified in CAT20 Appliance Efficiency Database	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA Certified in CAT20 Appliance Efficiency Database	UL 924, NFPA 101, IBC, NFPA 70, NEC AND OSHA, Title 20	Title 20 UL844 : Class 1, Division 1, Group C & D Class 1, Division 2, Group A, B, C & D Class 2, Division 1 & 2, Group E, F & G Class 3 Simultaneous Presence Class 1 & 2 + IP 65 + UL1598A - Marine Outside Type + UL924 - Emergency Lighting + UL1598 - Wet Locations + Zone 1, Group IIA & IIB + Zone 2, Group IIA, IIB + H2 & IIC	Title 20 UL844 : Class 1, Division 2, Groups A, B, C, D Class 2, Division 2, Groups F, G Class 3 + Class 1, Zone 2, Groups IIA, IIB + H2 & IIC + UL924 + NFPA 101, NEC, BOCA, OSHA and IBC illumination standards + IEC 61951-1 Life Testing (batteries)	UL844: Class 1, Division 1 & 2, Groups C, D Class 2, Division 1, Groups E, F, G Class 3 Class 2, Division 2, Groups F, G Class 3 + Class 1, Zones 1 & 2, Groups IIA + UL924 + UL924, UL1203 + NFPA 101, NEC, BOCA, OSHA and IBC	UL844: Class 1, Division 1 & 2, Groups C, D Class 2, Division 1 & 2, Groups E, F, G Class 3 + Class 1, Zone 1 & 2, Groups IIA, IIB + UL924 + NFPA 70, NFPA 101, NEC, BOCA, OSHA and IBC illumination standards + UL1598 - Wet Locations, NEMA 3, 4, 4X (DSHRCT60 rated for NEMA 7CD & 9EFG)
-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)	50-104°F (10-40°C) CW -40°F to 104°F (-40°C to 40°C)	50-104°F (10-40°C)	20-95°F (-7-35°C) - Nickel Cadmium 65-85°F (19-30°C) - lead calcium	20-95°F (-7-35°C)	65-85°F (19-30°C)
Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Nickel Cadmium	Lead Calcium or Nickel Cadmium	Nickel Cadmium	n/a
N/A	24 feet +	N/A	N/A	n/a	n/a	n/a
N/A	N/A	N/A	N/A	Spot	n/a	n/a
90-minutes	90-minutes	90-minutes	3 hour	90-minutes	90 minutes	n/a
Universal (top, end or back) mount	Universal (top, end or back) mount	Universal (top, end or back) mount	End (BR option) or Wall /Pendant (PW option)	Wall mount	Wall mount	Pendant, ceiling or wall
Yes	Yes	Yes	No	Yes	No	No



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



ESTIMATED
30%
SAVINGS!

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 standalone 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
	CZQRW	CZAFB OELR CZAFP OELR	DSL3RE	CZQRE	DSL4XRE
	Cortez™	Cortez™	Desoto™	Cortez™	Desoto™
					
Compatible DC Battery Voltage	5-20VDC (LP220L) 5-20VDC (SP640L)	8-30VDC	5-20VDC (SP640L) 7-30VDC (SP1100L) 7-30VDC (SP2200L)	5-20VDC (LP220L) 5-20VDC (SP640L) 7-30VDC (SP1100L)	5-20VDC (SP640L) 7-30VDC (SP1100L) 7-30VDC (SP2200L)
Watts per Lamp Head	LP220L - 1.2W SP640L - 3.3W	CZAFB OELR WT - 2.6W CZAFP OELR WT - 8.5W CZAFP OELR FCT - 8.2W	SP640L - 3.3W SP1100L - 5.3W SP2200L - 11W	LP220L - 1.2W SP640L - 3.3W SP1100L - 5.3W	SP640L - 3.3W SP1100L - 5.3W SP2200L - 11W
Lumens per Lamp Head	LP220L - 110 LM SP640L - 320LM	CZAFB OELR WT - 225 LM CZAFP OELR WT - 635 LM CZAFP OELR FCT - 450 LM	SP640L - 320 LM SP1100L - 550 LM SP2200L - 1100 LM	LP220L - 130 LM SP640L - 345LM SP1100L - 550 LM	SP640L - 320 LM SP1100L - 550 LM SP2200L - 1100 LM
Maximum Spacing (Twin remotes)	LP220L - 35' SP640L - 67'	AFB WT - 30' AFF WT - 69' AFF FCT - 35'	SP640L - 63' SP1100L - 82' SP2200L - 128'	LP220L - 35' SP640L - 67' SP1100L - 98'	SP640L - 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) @ SP640L or -22°F to 104°F (-30°C to 40°)	-22°F to 104°F (-30°C to 40°C)	-40°F to 131°F (-40°C to 55°C) @SP640L 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, IP66, CSA, NEMA 4X, NSF
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year
Recommended Holophane Products	CZQ2L, CZQ4L, CZQ6L, QM LED	DSL3, DSL46, CZQ4L, CZQ6L, QM LED	DSL3, DSL46, CZQ4L, CZQ6L	CZQ2L, CZQ4L, CZQ6L, QM LED, DSL3, DSL46	DSL3, DSL46, CZQ4L, CZQ6L
Alternate Compatible Holophane Products	C4250, C42125, C42180, C42275, DSL3, DSL46	C4250, C42125, C42180, C42275	C4250, C42125, C42180, C42275	C42	C4250, C42125, C42180, C42275



Acuity Brands Lighting, Inc.

Holophane Headquarters, 3825 Columbus Road, Granville, OH 43023

Acuity Brands Lighting Canada, Inc., 35B Minthorn Blvd., Markham, ON., L3T 7N5

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.