

constANT

FOUR SOLUTIONS. ONE ECOSYSTEM. CONSTANT POWER.

constANT is ALG's emergency battery backup driver ecosystem — purpose-built for code compliance, field-installable in any project type, and engineered for the realities of commercial & industrial spaces. From pre-installed factory drivers to remote J-Box deployments, every constANT solution carries the same core spec: universal voltage input, 90-minute minimum egress runtime, and a 5-year limited warranty.

UNIVERSAL VOLTAGE

100–347Vac Input

One driver SKU spans 120/208/240/277/347V buildings — no variant ordering.

COLD-CLIMATE READY

ArcticGuard Adder

Optional /AG cold-pack extends operating range to -4°F for freezer & outdoor enclosures.

NETWORKED-CODE READY

constANTLink via SILVAIR

Optional /CL adder enables CA Title 24 NLC compliance and remote test/log automation.

SPECIFICATION	FACTORY-INSTALL	FIELD-INSTALL	QUICK-INSTALL	SAFETY & EMERGENCY
Installation	Pre-installed and Tested at Factory	Installed by Certified Professional Electrician	Integrated with J-Box for Quick Remote Installation	Direct Mount to J-Box, Ceiling or Wall
Battery Technology	Lithium Ion	Lithium Ion	Lithium Ion	Lithium Ion or NiCd
Power Range	Low (5–9W) · Mid (15–25W) · High (30–60W)	Low (5–9W) · Mid (15–25W) · High (30–60W)	Mid-Power (15–25W)	Standard (2-Head) · High-Output (4-Head) · Remote Capable
Networked System	Yes (Optional)	Yes (Optional)	No	Yes (Optional)
Operating Temperature	41°F — 122°F	41°F — 122°F	41°F — 122°F	32°F — 104°F
Cold-Temp Rated	Yes (Optional) · -4°F to 140°F	Yes (Optional) · -4°F to 140°F	—	—
Charge Time	≤24 hours	≤24 hours	≤24 hours	≤24 hours
Emergency Discharge	90 min · 120 min (/XD)	90 min · 120 min (/XD)	90 min	90 min
Charge / Discharge Cycles	500 full cycles	500 full cycles	500 full cycles	500 full cycles

VERIFIED COMPLIANCE

UL 924 · CSA C22.2 No.141 · CEC Title 20 · IP65 (select models) · 5-Year Limited Warranty

Factory-Install

Pre-installed and factory-tested. Specify with the host fixture.

CONSTANT · TIER 1 OF 3

MODEL		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT POWER	ARCTICGUARD ¹	EXTENDED ²	CONSTANTLINK ³	APPLICATION
LOW-POWER · 5-9W								
EM07-CMB/150DC		100-347Vac	60-150Vdc	7W	Yes ¹	No	No	lampar · luxa
EM07-CMB/260DC		100-347Vac	150-260Vdc	7W	Yes ¹	No	No	lampar · luxa
EM08-AMB/48DC		120-277Vac	25-48Vdc	8W	No	No	No	plano
EM08-HMB/170DC		100-347Vac	170Vdc	8W	No	Yes ²	No	All
EM08-MT/150DC		120-277Vac	150Vdc	8W	No	No	No	lampar
EM08-YTB/60DC		100-347Vac	30-60Vdc	8W	No	Yes ²	No	plano
MID-POWER · 15-25W								
EM15-HMB/170DC		100-347Vac	170Vdc	15W	No	No	No	All
EM15-PMB/120AC		100-347Vac	120Vac	15W	No	No	Yes ³	All
EM20-CMB/150DC		100-347Vac	60-150Vdc	20W	Yes ¹	No	No	lampar · luxa
EM20-CMB/260DC		100-347Vac	90-260Vdc	20W	Yes ¹	No	No	lampar · luxa
EM20-HMB/135AC		100-277Vac	135Vac	20W	No	No	No	tubul
EM25-PMB/120AC		100-347Vac	120Vac	25W	No	No	Yes ³	All
HIGH-POWER · 30-60W								
EM25-HMB/170DC		100-347Vac	170Vdc	25W	No	No	No	All
EM60-GMB/170DC		100-347Vac	170Vdc	60W	No	No	No	lampar

ORDER-CODE ADDERS · MADE TO ORDER 1 /AG ArcticGuard 2 /XD Extended Discharge 3 /CL const Link **FULL REFERENCE → PAGE 4 · SPEC WORKFLOW → PAGE 13**

Field-Install

On-site installation by a certified electrician. Universal compatibility.




CONSTANT · TIER 2 OF 3

MODEL		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT POWER	ARCTICGUARD ¹	EXTENDED ²	CONSTANTLINK ³	APPLICATION	
LOW-POWER · 5-9W									
EM07-CMB/150DC		100-347Vac	60-150Vdc	7W	Yes ¹	No	No	lampar · luxa	
EM07-CMB/260DC		100-347Vac	150-260Vdc	7W	Yes ¹	No	No	lampar · luxa	
EM08-HMB/170DC		100-347Vac	170Vdc	8W	No	No	No	All	
EM08-MT/150DC		120-277Vac	150Vdc	8W	No	No	No	lampar	
MID-POWER · 15-25W									
EM15-HMB/170DC		100-347Vac	170Vdc	15W	No	No	No	All	
EM15-PMB/120AC		100-347Vac	120Vac	15W	No	No	Yes ³	All	
EM20-HMB/135AC		100-277Vac	135Vac	20W	No	No	No	tubul	
EM20-CMB/150DC		100-347Vac	60-150Vdc	20W	Yes ¹	No	No	lampar · luxa	
EM20-CMB/260DC		100-347Vac	90-260Vdc	20W	Yes ¹	No	No	lampar · luxa	
EM25-PMB/120AC		100-347Vac	120Vac	25W	No	No	Yes ³	All	
HIGH-POWER · 30-60W									
EM25-HMB/170DC		100-347Vac	170Vdc	25W	No	No	No	All	
EM30-UMB/170DC		100-347Vac	170Vdc	30W	No	No	No	lampar	
EM40-RMB/170DC		100-347Vac	170Vdc	40W	No	No	Yes ³	lampar	
EM60-GMB/170DC		100-347Vac	170Vdc	60W	No	No	No	lampar	
EM60-UMB/170DC		100-347Vac	170Vdc	60W	No	No	No	lampar	
ORDER-CODE ADDERS · MADE TO ORDER		1 /AG ArcticGuard			2 /XD Extended Discharge		3 /CL constNTLink		FULL REFERENCE → PAGE 4 · SPEC WORKFLOW → PAGE 13

Quick-Install

Integrated J-Box mount for rapid remote deployment.

CONSTANT · TIER 3 OF 3

MODEL		INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT POWER	ARCTICGUARD ¹	EXTENDED ²	CONSTANTLINK ³	APPLICATION
MID-POWER · 15-25W								
CRCU-EM24/JBM		120Vac	190Vdc	24W	No	No	No	planoRCH
CRC6-EM24/JBS/B		120Vac	190Vdc	24W	No	No	No	planoRCH
CRC6-EM24/JBS/W		120Vac	190Vdc	24W	No	No	No	planoRCH

ORDER-CODE ADDERS · MADE TO ORDER · REFERENCE

/AG **MTO**

¹ **ArcticGuard**

Cold-rated battery: -4°F to 140°F operating range. Required for unconditioned spaces, freezers, and outdoor enclosures.

/XD **MTO**

² **Extended Discharge**

120-minute emergency runtime (vs. 90-min standard). Specify where AHJ requires >90-min egress illumination.

/CL **MTO**

³ **constantLink**

Networked Lighting Control via SILVAIR. CA Title 24 NLC compliance and project-wide test/log automation.

VERTICAL 1 OF 8

Cold Storage & Grocery

Sub-Zero Egress That Doesn't Quit

Standard lithium-ion emergency drivers fail in cooler and freezer environments — battery chemistry slows, charge holds drop, and code-required runtime is the first thing to go. constANT with the /AG ArcticGuard adder is engineered for -4°F to 140°F operation, with verified UL 924 compliance across the full temperature range.

-4°F to 140°F

/AG ArcticGuard

UL 924 Across Range

5-Year Warranty

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APPLICATION ZONES · CONSTANT SKU MAPPING

Walk-In Coolers & Freezers

EM07-CMB/150DC/AG

EM20-CMB/260DC/AG

Internal-mount factory drivers in vapor-tight LED fixtures. /AG cold-pack mandatory below 32°F.

Refrigerated Display Cases

EM07-CMB/150DC/AG

EM20-CMB/150DC/AG

Low-power factory-install drivers fit narrow case channels. lamparRCH and luxorRCH compatible.

Sales Floor & Aisle Lighting

EM15-HMB/170DC

EM25-HMB/170DC

Standard mid-power drivers for ambient-temperature retail floor egress. No /AG required.

Loading Dock & BOH

EM30-UMB/170DC

EM60-UMB/170DC

External /U chassis for high-bay dock and warehouse fixtures. Field-installable.

WHY CONSTANT FOR COLD STORAGE & GROCERY

Battery survives the freezer

/AG cold-pack chemistry holds full capacity at -4°F. Standard lithium loses 40% capacity below 32°F — yours doesn't.

UL 924 across the full range

Many competitors hold the listing only at room temp. constANT verifies UL 924 at the cold-rated extreme.

One driver SKU per fixture family

100-347Vac universal input means you don't re-spec when the cooler runs 208V vs 277V.

VERTICAL 2 OF 8

Data Center

Mission-Critical Egress, Audit-Ready Test Logs

Data center facilities can't afford manual monthly emergency-light testing. Personnel access to white space is restricted, and missed inspection cycles void the UL 924 listing. const@NT with the /CL const@NTLink adder runs scheduled self-tests over a SILVAIR mesh and generates the audit log automatically — no clipboards, no rounds.

UL 924 Verified

/CL Networked Auto-Test

90 / 120-min Discharge

Title 24 NLC-Ready

2

APPLICATION ZONES · CONST@NT SKU MAPPING

White Space (Server Halls)

EM15-HMB/170DC/CL

EM25-HMB/170DC/CL

Internal-mount drivers in raised-ceiling fixtures. /CL networked test eliminates personnel access for inspection rounds.

Gray Space (Mech & Electrical)

EM30-UMB/170DC

EM60-GMB/170DC

Higher-output drivers for mechanical room high-bays. Field-install for retrofit-friendly placement.

NOC & Corridors

EM15-PMB/120AC/CL

EM25-PMB/120AC/CL

120Vac output for general-area emergency egress. /CL standard for facility-wide test scheduling.

Exterior & Egress Routes

EM30-UMB/170DC

EM60-UMB/170DC

External /U chassis for parking-deck and perimeter egress fixtures. 120-min /XD adder for long egress paths.

WHY CONST@NT FOR DATA CENTER

Auto-test eliminates inspection rounds

/CL runs the monthly UL 924 functional test and 90-min discharge test on schedule. Logs export for AHJ review.

Survives the worst voltage events

100–347Vac universal input handles everything from 120V branch circuits to 277V/347V building feeds without re-specing.

Battery rated for the duty cycle

500 full charge/discharge cycles. At one annual 90-min test, that's 500 years before battery replacement.

VERTICAL 3 OF 8

Education

3

Code-Compliant Egress, Networked Test Logs

K-12 and higher-ed facilities live and die by AHJ inspections and Title 24 NLC compliance. Maintenance staff can't keep up with manual monthly testing across hundreds of fixtures. const@NT with /CL const@NTLink automates the whole compliance loop — scheduled self-tests, exportable logs, and instant fault notification when a battery fails.

CA Title 24 NLC-Ready

/CL Auto-Test & Log

ARRA-Compliant

Quick-Install for Retrofits

APPLICATION ZONES · CONST@NT SKU MAPPING

Classrooms & Lecture Halls

EM15-PMB/120AC/CL

EM25-PMB/120AC/CL

120Vac output for standard classroom troffer integration. /CL adder enables campus-wide test scheduling.

Corridors & Common Areas

EM15-HMB/170DC

EM25-HMB/170DC

DC output for newer LED corridor fixtures. Networked test optional based on AHJ requirements.

Gyms, Auditoriums, Cafeterias

EM60-GMB/170DC

EM30-UMB/170DC

High-power drivers for assembly-occupancy spaces with greater egress lighting requirements.

Retrofit & Quick Upgrades

CRCU-EM24/JBM

CRC6-EM24/JBS/B

CRC6-EM24/JBS/W

J-Box Quick-Install for occupied-building retrofits. No fixture removal, no ceiling teardown.

WHY CONST@NT FOR EDUCATION

Auto-test pays for itself in labor

Manual monthly testing across 200 fixtures = 8 hours/month of facilities labor. /CL eliminates the entire visit.

Quick-Install for funded retrofit projects

CRC J-Box drivers retrofit existing fixtures in occupied buildings without ceiling teardown — qualifies for ESPC and ARRA energy-modernization scope.

Title 24 NLC-ready out of the box

/CL via SILVAIR meets CA Title 24 networked control requirements without a separate gateway purchase.

VERTICAL 4 OF 8

Government & Military

NEC 700 + UL 924, Without Compromise

Federal, DoD, and VA projects require documented life-safety egress lighting that meets NEC Article 700, UL 924, and AHJ-specific runtime requirements. const*Q*NT delivers verified UL 924 + CSA C22.2 No.141 across the full SKU range, with 5-year warranty documentation that exceeds GSA standard procurement.

UL 924 Verified

CSA C22.2 No.141

5-Year Limited Warranty

BAA/TAA Documentation



APPLICATION ZONES · CONST*Q*NT SKU MAPPING

Federal Office Buildings

EM15-HMB/170DC

EM25-HMB/170DC

Standard mid-power factory-install for ceiling-grid LED fixtures. UL 924 listed.

Military Bases & DoD Facilities

EM30-UMB/170DC

EM60-UMB/170DC

External /U high-bay drivers for hangars, motor pools, and tactical equipment maintenance. Cold-pack /AG for unconditioned spaces.

VA Medical Centers & Clinics

EM15-HMB/170DC

EM25-HMB/170DC

EM25-PMB/120AC/CL

Healthcare-grade egress drivers. /CL adder for centralized monitoring per VA facility standards.

Government Warehouses & Logistics

EM30-UMB/170DC

EM60-GMB/170DC

EM60-UMB/170DC

High-power external chassis for racking and dock bay fixtures. /XD 120-min adder for long egress paths.

WHY CONST*Q*NT FOR GOVERNMENT & MILITARY

Documented compliance, ready for AHJ

UL 924, CSA C22.2 No.141, and CEC Title 20 listings on every SKU. Letter-grade documentation available on request.

BAA/TAA documentation on request

Country-of-origin documentation available per project for federal compliance reviews.

5-year warranty exceeds GSA baseline

Standard GSA procurement requires 1-3 year emergency-driver warranty. const*Q*NT ships with 5 years standard.

VERTICAL 5 OF 8

Healthcare & Medical

Life-Safety Egress for High-Acuity Spaces

Hospitals operate under NFPA 99 (Health Care Facilities Code) and Joint Commission inspection cycles where emergency lighting failures become reportable events. constANT meets the 90-minute minimum egress runtime mandated for Type 1 essential electrical systems, with UL 924 + CSA listing across the full driver range and optional /CL networked monitoring for centralized facilities engineering.

UL 924 + CSA C22.2 No.141

90-min Minimum Discharge

120-min /XD Optional

/CL Centralized Monitoring

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APPLICATION ZONES · CONSTANT SKU MAPPING

Patient Rooms & Acute Care

EM15-HMB/170DC

EM25-HMB/170DC

Internal-mount drivers in patient-room troffers. UL 924 listed for life-safety branch.

Corridors & Nurses Stations

EM15-PMB/120AC

EM25-PMB/120AC/CL

120Vac output for hallway egress fixtures. /CL adder enables central facilities monitoring.

Exam, Procedure & Pharmacy

EM15-HMB/170DC

EM25-HMB/170DC

DC drivers for high-CRI exam-room fixtures. Constant-power output prevents dimming during discharge.

Labs, Clean Rooms, Imaging

EM25-HMB/170DC

EM60-GMB/170DC

Higher-power drivers for sealed lab and imaging-suite fixtures. /XD 120-min for extended egress paths.

WHY CONSTANT FOR HEALTHCARE & MEDICAL

Meets NFPA 99 minimum runtime

90-min standard discharge meets Type 1 essential electrical system minimum. /XD extends to 120 min for AHJ-specific requirements.

Constant power, no end-of-discharge dimming

DC output maintains full lumen output for the entire 90-min runtime — no fade as battery drains.

Centralized monitoring per facility standards

/CL via SILVAIR integrates with facilities BMS for fault notification and audit-trail logging.

VERTICAL 6 OF 8

Hospitality

Code Compliance Without Disrupting Guest Experience

Hospitality properties need code-compliant egress lighting that disappears into the design language. const@NT factory-install drivers integrate inside decorative pendants, sconces, and downlights without exposed battery enclosures. Lithium-ion chemistry holds charge through low-occupancy seasonal periods, and the optional /CL adder supports networked test logs for full-portfolio properties.

Concealed Factory-Install

Lithium-Ion Stable Charge

100-347Vac Universal

/CL for Portfolio Properties



APPLICATION ZONES · CONST@NT SKU MAPPING

Lobby & Reception

EM07-CMB/150DC

EM15-PMB/120AC

Low-power factory drivers integrate inside decorative pendants and chandeliers. No visible battery box.

Guest Floors & Corridors

EM15-HMB/170DC

EM25-HMB/170DC

Standard corridor egress drivers. Compatible with the universal lamp@RCH downlight family.

Function Rooms & Ballrooms

EM25-PMB/120AC/CL

EM60-GMB/170DC

Higher-power drivers for assembly-occupancy event spaces. /CL enables test scheduling around events.

BOH, Service Corridors, Loading

EM20-CMB/260DC/AG

EM30-UMB/170DC

Cold-pack /AG for chilled storage. External /U for service-corridor high-bays.

WHY CONST@NT FOR HOSPITALITY

Disappears into the architecture

Factory-install integration means no surface-mount battery box visible from the guest sightline.

Holds charge through seasonal lulls

Lithium-ion chemistry maintains capacity during low-occupancy periods — no surprise dead batteries at re-open.

Portfolio-wide auto-testing

/CL adder enables central facilities monitoring across multi-property portfolios from a single dashboard.

VERTICAL 7 OF 8

Industrial & Manufacturing

Built for Plant Floors and Process Extremes

Plant floors run hot, cold, wet, and dirty — and emergency drivers need to survive all of it without missing the next AHJ inspection. constANT external /U-series chassis mounts to the side of high-bay fixtures, /AG ArcticGuard handles cold-process and freezer-warehouse zones, and IP65-rated SKUs are available for washdown areas.

IP65 Available

/AG Cold-Process Zones

External /U High-Bay Mount

100–347Vac Universal



APPLICATION ZONES · CONSTANT SKU MAPPING

Production Floor & Assembly

EM30-UMB/170DC

EM60-UMB/170DC

External /U high-bay drivers for plant-floor fixture lines. Field-installable on existing rigging.

High-Bay Storage & Racking

EM60-GMB/170DC

EM60-UMB/170DC

60W high-power drivers for tall-rack mezzanine and storage fixtures. 90/120-min runtime for long aisles.

Cold/Hot Process Areas

EM07-CMB/150DC/AG

EM20-CMB/260DC/AG

/AG cold-pack for -4°F process areas and freezer staging. Standard SKUs handle hot environments to 140°F.

Exterior Loading & Truck Court

EM30-UMB/170DC

EM40-RMB/170DC

External /U and /R chassis for outdoor-rated egress fixtures at dock doors and yard lighting.

WHY CONSTANT FOR INDUSTRIAL & MANUFACTURING

Survives the plant floor

External /U chassis mounts away from the heat-generating LED array. No internal-mount thermal failure.

Cold-process and freezer-rated

/AG ArcticGuard handles -4°F continuously — including cold-storage staging and process freezers.

IP65 (select models) for washdown

Sealed SKUs available for food-grade and pharma washdown areas. Specify by application.

VERTICAL 8 OF 8

Warehouse & Logistics

24/7 Egress for Distribution Operations

Distribution facilities run 24/7, and inspection windows are vanishingly small. const@NT high-power external drivers mount to the side of high-bay fixtures across racking aisles, dock doors, and outdoor yards. /AG ArcticGuard handles cold-storage zones, /CL const@NTLink schedules off-hours self-tests, and 90/120-min runtime covers even the longest egress paths.

High-Bay External /U

/AG Cold-Zone Ready

/CL Off-Hours Auto-Test

120-min /XD Available



APPLICATION ZONES · CONST@NT SKU MAPPING

High-Bay Racking Aisles

EM60-UMB/170DC

EM60-GMB/170DC

60W external /U for high-bay fixture mounting at 25–40 ft mounting heights. Long-aisle egress coverage.

Loading Docks & Receiving

EM30-UMB/170DC

EM40-RMB/170DC

Mid- to high-power external drivers for dock-door and receiving-bay fixtures.

Cold Storage Zones

EM07-CMB/150DC/AG

EM20-CMB/260DC/AG

/AG ArcticGuard for cooler/freezer rack zones. Standard lithium-ion will fail; cold-pack survives.

Outdoor Yard & Truck Court

EM30-UMB/170DC

EM60-UMB/170DC

External /U chassis for parking-area and perimeter egress fixtures. Specify enclosure rating per environment.

WHY CONST@NT FOR WAREHOUSE & LOGISTICS

Built for high-bay mounting

External /U chassis mounts to fixture side or junction box at any mounting height. Field-installable.

Cold-storage zones don't need a separate driver line

/AG cold-pack adds to the same SKU you spec for ambient zones — no second driver line, no second receiving SKU.

Auto-test runs off-hours

/CL via SILVAIR schedules functional and discharge tests during low-activity windows. No interruption to daytime ops.

How to Specify constANT

SKU naming convention & specification workflow

REFERENCE

SKU NAMING CONVENTION

POSITION	MEANING	EXAMPLE VALUES
EM / CRC	Product family	EM = driver · CRC = J-Box
nn	Output power (W)	05, 07, 08, 09, 15, 20, 25, 30, 40, 60
-XYZ	Chassis & mount type	CMB, HMB, PMB, UMB, GMB, RMB, AMB, YTB, MT
/nnnAC or /nnnDC	Output voltage / type	120AC, 135AC, 150DC, 170DC, 260DC, 300DC
/AG	ArcticGuard cold-pack adder	-4°F operating
/XD	Extended discharge adder	120-minute runtime
/CL	constANTLink NLC adder	SILVAIR networked

EXAMPLE

EM20-CMB/260DC/AG/CL

20W constant-power driver, 90-260Vdc output, with cold-pack and networked-control adders.

SPECIFICATION WORKFLOW

- Determine install type**
 Pre-installed in fixture (Factory) · field-installed by electrician (Field) · J-Box remote mount (Quick).
- Match output to fixture LED array**
 DC output drivers (HMB, CMB, GMB, UMB, RMB, MT) for newer LED arrays; AC output (PMB, HMB/135AC) for legacy fluorescent-replacement.
- Confirm power class**
 Match driver wattage to fixture emergency-mode lumen requirement. Low (5-9W) · Mid (15-25W) · High (30-60W).
- Add adders for code or environment**
 /AG for cold zones · /XD for AHJ-required 120-min runtime · /CL for Title 24 NLC and auto-test.
- Verify compatibility & submit**
 Cross-check against the constANT Application Quick Guide for your fixture series. Submit RFQ via sales@archipelagolighting.com.

Need help specifying? The ALG Applications Engineering team responds within 1 business day. +1 (866) 912-3200 sales@archipelagolighting.com