

City of Las Vegas

STAFF REPORT

HISTORIC PRESERVATION COMMISSION MEETING DATE: 07/24/13

DEPARTMENT: PLANNING

ITEM DESCRIPTION: Report by Department of Planning regarding administrative reviews of applications for building permits for properties listed on the city of Las Vegas Historic Property Register, Ward 5 (Barlow)

BACKGROUND

No relevant case history.

ANALYSIS

05/16/13 Historic Preservation Officer administratively approved (HPC-50265) a building permit application (236128) to install power connections and accompanying equipment for color burst lighting within the sign display area at the Neon Museum located at 770 Las Vegas Boulevard North (APN 139-27-806-001), C-V (Civic) Zone, Ward 5 (Barlow).

STAFF RECOMMENDATION

No action required.

BACKUP DOCUMENTS

Application for a Certificate of Appropriateness for HPC-50265 and accompanying documents.





Print Form

Reset Form

DEPARTMENT OF PLANNING

HISTORIC PRESERVATION COMMISSION
APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

Page 1 of 3

Application/Petition For: The Neon Museum Boneyard LightingProject Address (Location) 770 Las Vegas Blvd NorthProject Name The Neon MuseumAssessor's Parcel(s)# 139.27.806.001 Ward# 5General Plan Designation: _____ Existing Zoning Designation: C-VGross Acres 1.53

Additional Information _____

PROPERTY OWNER CITY OF LAS VEGASAddress 495 S. MAIN ST.City LAS VEGAS State NV Zip 89101E-mail Address cmooney@lasegasnevada.gov Phone 229.5260 Fax _____APPLICANT/REPRESENTATIVE Sam RezaAddress 770 Las Vegas Blvd NorthCity Las Vegas State NV Zip 89101E-mail Address sam@neonmuseum.org Phone 7023876366 Fax _____Property Owner Signature* [Signature]

* An authorized agent may sign in lieu of the property owner for Final Maps, Tentative Maps, and Parcel Maps.

Print Name SAM REZA

Subscribed and sworn before me

This _____ day of _____, 20____.

Notary Public in and for said County and State

FOR DEPARTMENT USE ONLY

Case # HPC-50265Approved for administrative review? Yes X No _____Project meets P&D requirements? Yes X No _____Meeting Date: 7/24/13Date Accepted:* 5/22/13Accepted By: C. MOONEY

*The application will not be deemed complete until the submitted materials have been reviewed by the Department of Planning for consistency with applicable sections of the Zoning Ordinance.

Type of Application

- ☐ **Conceptual Review (recommended):** Discuss with the commission preliminary design ideas for a project. The commission will address the appropriateness of the proposal and provide helpful advice.
- ☐ **New Construction:** Construction of a new building, additions or garages, sheds, etc. See Unified Development Code for guidance.
- ☐ **Exterior Building Alteration:** Includes, but is not limited to, all exterior changes to an existing building that require a building permit, such as windows, doors, roofing, etc. See Unified Development Code for guidance.
- ☐ **Signage or Graphics:** Installation of a sign or graphic on a building, or on the site, or directly behind the window or on a window.
- ☐ **Variance or Zoning change:** Complete this application and submit a stamped copy of the variance or rezoning application filed with the city's Department of Planning for the requested variances.
- ☐ **Demolition:** Removal of any building feature(s) or razing of any structure(s). For all demolitions, the applicant must include a written reason for the demolition, the proposed reuse of the site, evidence of funding and a time frame for project initiation. See Unified Development Code for guidance.
- ☐ **Lot Split**
- ☒ **Other:** Lighting throughout the Boneyard

Work Description

Describe the proposed project in detail, including all changes to the building, site, lot or zoning. Include all features to be removed, altered and/or added. Indicate all materials to be used and the manufacturer. Attach additional sheets as needed.

Please refer to the Secretary of the Interior's Standards for Rehabilitation (below) for additional information.

Addition of Lighting throughout the Neon Museum Boneyard for the purpose of giving night time tours. There will be 120-130 Color Burst lights placed inside the Boneyard.

Materials to submit with the application (as needed):

- ☒ **Color photos:** 35mm or digital only. Polaroids will not be accepted. Include photos of each side of the building; the site to be altered and close ups of the specific areas to be changed.
- ☒ **Drawings for conceptual review, new construction or graphics/signage:** One complete set, color where applicable, must be submitted, no larger than 11" x 17". If presentation boards will be used, copies of the boards must be submitted in no larger than 11" x 17" format.
- ☒ **Material Samples/Manufacturer's Brochures:** material samples and brochures which show and describe the materials to be used (i.e., paint chips, brochures on doors, windows, etc).
- ☒ **Site Plan:** A site plan must be included for new construction, additions, site graphics, demolition, lot splits, and fencing. The plan must show property lines, all existing structures, and their relationship to adjacent structures. One complete set, color where applicable, must be submitted, no larger than 11" x 17".
- ☒ **Elevations:** Elevations must be included for new construction, additions, site graphics, demolitions and fencing. Elevations must show all existing structures on the parcel. One complete set, color where applicable, must be submitted no larger than 11" x 17".



Neon Museum – Boneyard Lighting Addition
Revision No. 2
May 7, 2013

Description of Changes Narrative

<u>Sheets</u>	<u>Description</u>
E0.00	Revised drawing index.
E0.01	Revised panel schedules, single line diagram and added sheet notes 2-6.
ES1.01	Add power connections to signage. Revised pull box location.
E2.01	Added switching and add note 6.



A TENANT IMPROVEMENT FOR:
NEON MUSEUM - GUARD BUILDING
SITE & LIGHTING IMPROVEMENTS
770 LAS VEGAS BLVD NORTH

LAS VEGAS

STATE OF NEVADA

PROJECT DATA

LOCATION:
NEON MUSEUM
770 LAS VEGAS BLVD NORTH
LAS VEGAS, NEVADA 89101

TENANT:
NEON MUSEUM

PROJECT:
EXISTING MARK BUILDING IS TO REMAIN
AND SITE LIGHTING IMPROVEMENTS

CONSULTANTS

ARCHITECT:
WESTAR ARCHITECTURAL
GROUP, INC.
1000 S. MAIN STREET, SUITE 400
LAS VEGAS, NEVADA 89101
TEL: (702) 878-4400
FAX: (702) 878-4430
ATTN: PHILIP A. BARTON, JR.

ELECTRICAL ENGINEER:
MSA
ENGINEERING CONSULTANTS
330 E. WINDMILL LANE, SUITE 100
LAS VEGAS, NEVADA 89123
TEL: (702) 884-1100
FAX: (702) 884-1101
ATTN: SHANE SAVOY

STRUCTURAL ENGINEER:
WRIGHT ENGINEERS
7420 PEASE CIRCLE, SUITE 400
LAS VEGAS, NEVADA 89135
TEL: (702) 833-7000
FAX: (702) 833-7001
ATTN: BEN ROGERS

SYMBOL LEGEND

FLOOR PLAN
SCALE: 1/8" = 1'-0"

DETAIL TITLE
SCALE: X

WALL SECTION MARK

SECTION DETAIL MARK

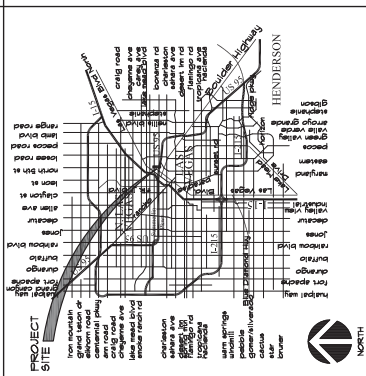
ELEVATION KEYS

ELEVATION MARK

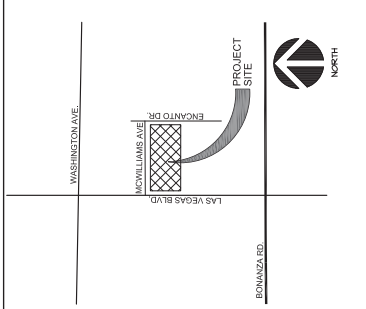
DOOR NUMBER

ROOM NUMBER

VICINITY MAP



LOCATION MAP



SHEET INDEX

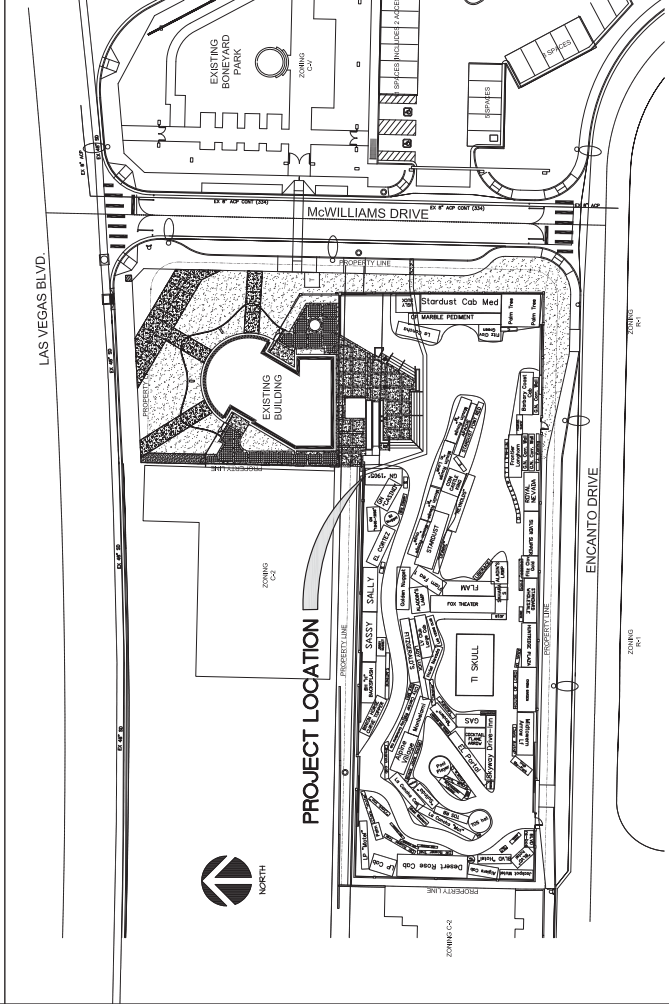
GENERAL	COVER SHEET
CV	
ARCHITECTURAL	REFERENCE SITE PLAN
A2.01	
	FLOOR PLAN
	FOUNDATION AND FRAMING PLANS
	SECTION
	DETAILS
ELECTRICAL	SYMBOLS LIST AND SPECIFICATIONS
A6.01	
	GENERAL ELECTRICAL NOTES
	GENERAL ELECTRICAL PLAN
	ELECTRICAL SITE PLAN
	ELECTRICAL PLAN
STRUCTURAL	GENERAL STRUCTURAL NOTES
S0.1	
	TYPICAL DETAILS
	FOUNDATION AND FRAMING PLANS
	FOUNDATION AND FRAMING DETAILS

CODE ANALYSIS

NEW BUILDING

1. CODE YEAR/TYPE:
BUILDING CODE EDITION: 2009 INTERNATIONAL BUILDING CODE (IBC)
MECHANICAL CODE EDITION: 2009 INTERNATIONAL MECHANICAL CODE (IMC)
FIRE CODE EDITION: 2001 CLARK COUNTY FIRE CODE WITH 2009 INTERNATIONAL FIRE CODE (IFC)
2009 NATIONAL ELECTRICAL CODE (NEC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
1997 UNIFORM ADMINISTRATIVE CODE
2. OCCUPANCY CLASSIFICATION: B
3. TYPE OF CONSTRUCTION: VAS
4. HEIGHT - ACTUAL: 9' NO - NOT REQUIRED
5. FIRE ALARMS: NO - NOT REQUIRED
6. HEIGHT - ACTUAL: 9' ALLOWABLE: 4'7'
7. STORIES - ACTUAL: 1 ALLOWABLE: 1
8. OCCUPANT LOAD:
OCCUPANT LOAD TOTAL: 1 OCCUPANT
10. EXITS - REQUIRED: 1 EXIT PROVIDED: 1 EXIT
11. FIRE RESISTANCE OF EXTERIOR WALLS DUE TO LOCATION ON PROPERTY - NONE
12. REQUIRED FIRE RESISTANCE OF EXTERIOR WALLS DUE TO LOCATION ON PROPERTY - NONE
13. PROTECTION OF OPENINGS DUE TO LOCATION ON PROPERTY AND MAXIMUM AREA OF EXTERIOR WALL OPENINGS - NONE
14. NON-SEPARATED OR SEPARATED USERS WITH REQUIRED CALCULATIONS - NONE
15. NON-SEPARATED OR SEPARATED USERS WITH REQUIRED CALCULATIONS - NONE
16. ROOF COVERING MATERIAL CLASS - NONE
17. REQUIRED PLUMBING FIXTURES - NOT REQUIRED
18. REQUIRED PLUMBING FIXTURES - NOT REQUIRED
19. PARKING - REQUIRED - EXISTING NO CHANGE
20. ZONING: CIVIC DISTRICT (C-4)
21. ASSESSOR PARCEL: 15647-266401

REFERENCE SITE PLAN



A TENANT IMPROVEMENT FOR:
NEON MUSEUM - GUARD BUILDING
770 LAS VEGAS BLVD NORTH
LAS VEGAS, NEVADA 89101

PROJECT NUMBER	000001
SHEET NUMBER	CV
DATE	04/22/20
DESIGNED BY	PK
CHECKED BY	
APPROVED BY	
SCALE	AS NOTED
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7	

WESTAR ARCHITECTS
1000 S. MAIN STREET, SUITE 400
LAS VEGAS, NEVADA 89101
TEL: (702) 878-4400
FAX: (702) 878-4430
WWW.WESTARCHITECTS.COM

WESTAR Architects & Engineers, Inc.
ARCHITECTS • PLANNERS • INTERIORS DESIGN

781.860.0414 FAX 781.860.0420
WWW.WESTARCHITECTS.COM

WESTAR ARCHITECTS

GENERAL NOTES

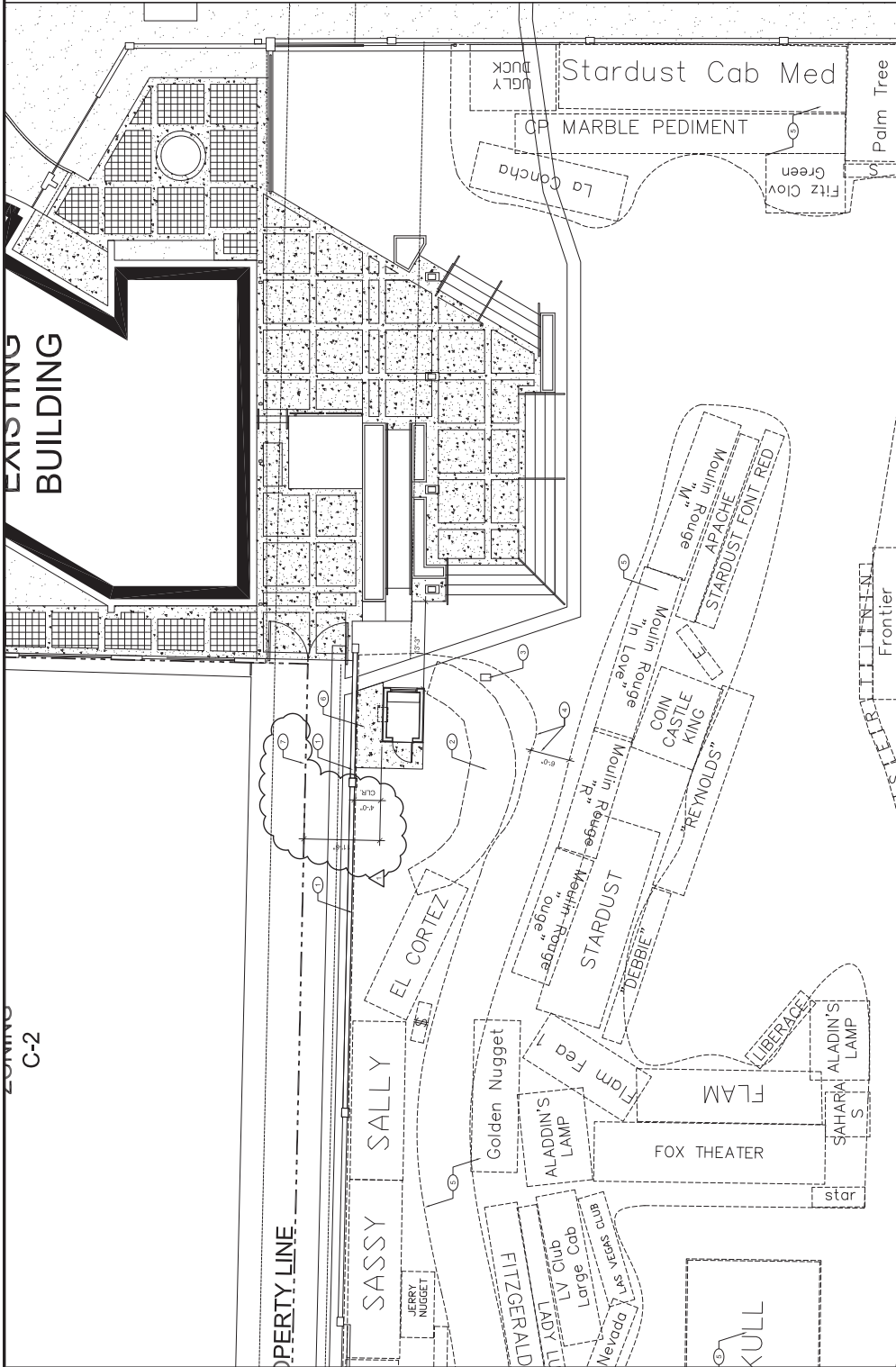
1. ALL EXISTING STRUCTURAL ELEMENTS (BEAMS, COLUMNS, ETC.) TO REMAIN
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND FIELD MEASUREMENTS PRIOR TO START OF THE WORK AND BE RESPONSIBLE FOR ANY DISCREPANCIES.
3. PATCH, REPAIR OR REPLACE ALL MATERIALS AND FINISHES DISTURBED BY THIS CONSTRUCTION TO MATCH NEW OR EXISTING AS APPLICABLE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF WALL FRAMING AND FINISHES.

WALL LEGEND

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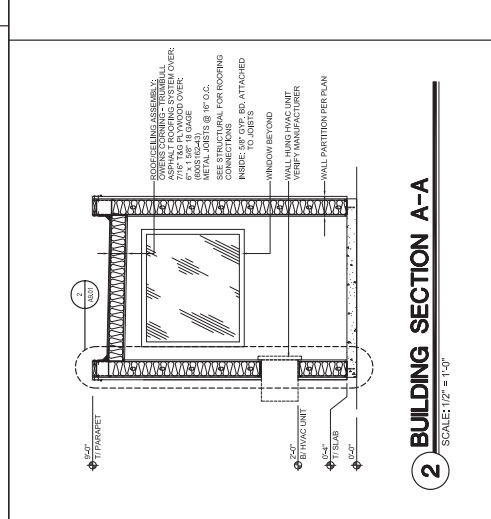
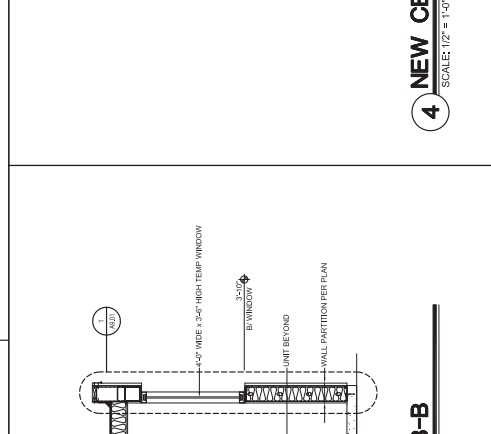
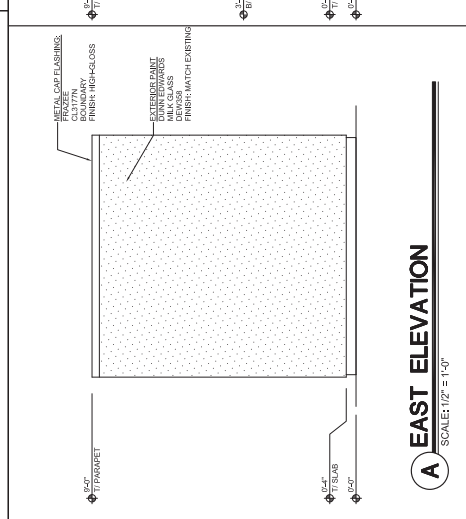
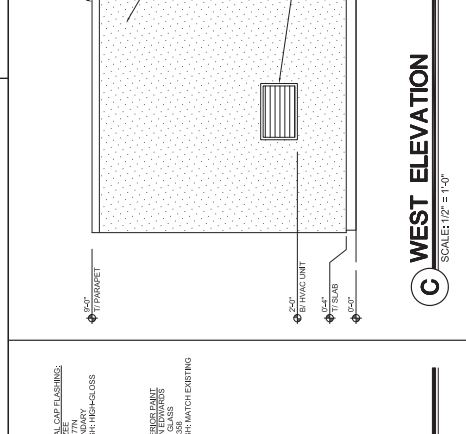
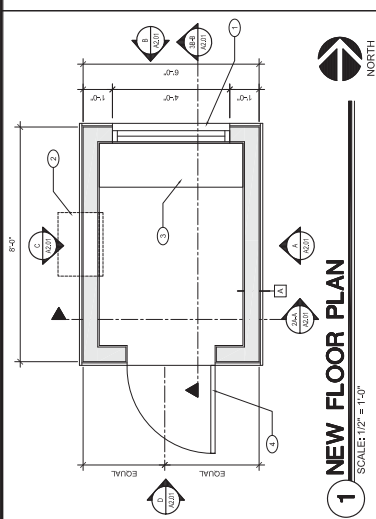
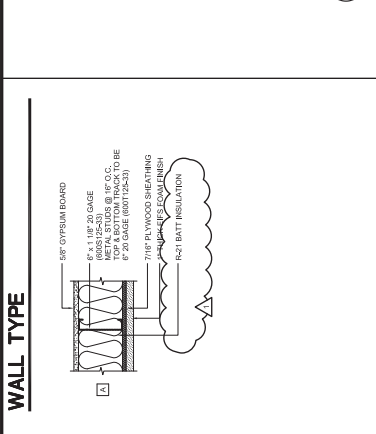
PLAN KEY NOTES

1. EXISTING 9' HIGH BLOCK WALL.
2. EXISTING HISTORIC SIGN TO BE RELOCATED N FIELD COORDINATE WITH OWNER.
3. EXISTING HISTORIC PATH TO BE KEPT CLEAR MIN. 24" ON ALL SIDES
4. RE-ROUTE EXISTING ROCK PAVT TO MAINTAIN $\pm$ 6" CLEAR MIN.
5. EXISTING NEON SIGNS TO REMAIN.
6. NEW ADVERTISE WALL & CURB STRUCTURAL LEGAL PROPERTY LINE AS RECORDED.



1 ENLARGED REFERENCE SITE PLAN





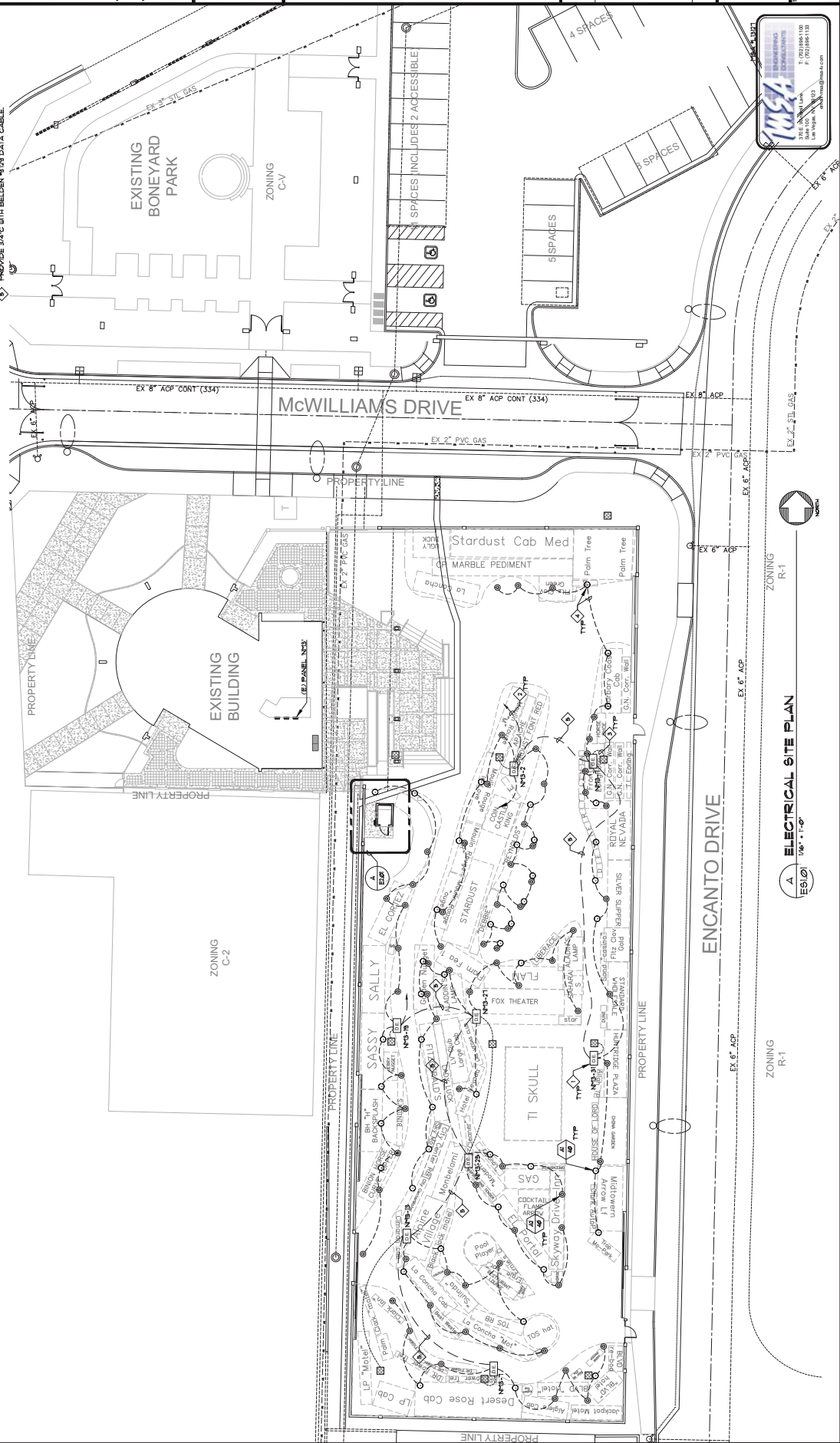
ES:101

PROJECT NUMBER
04223
DATE
04/22/19
DRAWN BY
MBA/PE
CHECKED BY
L.087
AS NOTED

A TENANT IMPROVEMENT FOR:
NEON MUSEUM - GUARD BUILDING
770 LAS VEGAS BLVD NORTH
LAS VEGAS, NEVADA 89101

WESTAR ARCHITECTS
3000 LAS VEGAS BLVD NORTH
SUITE 100
LAS VEGAS, NEVADA 89101

- GENERAL NOTES:
1. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL FEATURES WITH OWNERS REPRESENTATIVE PRIOR TO ROUGH-IN.
- SHEET NOTES:
- 1. APPROPRIATE LOCATION OF LIGHTING SYSTEM DATA BUMBLER, VERIFY EXACT LOCATION WITH OWNERS LIGHTING DESIGNER PRIOR TO ROUGH-IN.
 - 2. PROVIDE 3/4" C WITH BELDEN 9573 DATA CABLE BETWEEN DATA ENABLERS AND EQUIPMENT RACKS.
 - 3. PROVIDE POWER CONNECTION FROM EXISTING PULL BOX TO DATA ENABLERS, COORDINATE WITH OWNER'S REPRESENTATIVE FOR EXACT LOCATION OF PULL BOX AND PROVIDE 3/4" C WITH BELDEN 9573 DATA CABLE WITH 25' PC AND CONNECT TO EXISTING CIRCUIT INDICATED.
 - 4. PROVIDE 3/4" C WITH 4-CONDUCTOR 12 AWG STRANDED COPPER WIRE CABLE GAINED BETWEEN LIGHT FIXTURES AND DATA ENABLERS, PROVIDE 3/4" C WITH BELDEN 9573 DATA CABLE WITH 25' PC AND CONNECT TO EXISTING CIRCUIT INDICATED.
 - 5. PROVIDE 3/4" C WITH BELDEN 9573 DATA CABLE.



ZONING
R-1

ELECTRICAL SITE PLAN
ES:101

ZONING
R-1

ZONING
R-1

ZONING
R-1

SPECIFICATIONS

- [illegible]

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	DATE	REVISION
E000	SYMBOL, LIST AND SPECIFICATIONS	11/11/11	1
E001	SINGLE LINE DIAGRAM, SCHEDULES AND LIGHTING COMPLIANCE CERTIFICATE	11/11/11	1
E002	ELECTRICAL SITE PLAN	11/11/11	1
E003	ELECTRICAL PLAN	11/11/11	1
	TOTAL		4

ELECTRICAL SYMBOL LIST

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS AND/OR ABBREVIATIONS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

- [illegible]

WESTAR ARCHITECTS



NEON MUSEUM - GUARD BUILDING
SITE & LIGHTING IMPROVEMENTS
770 LAS VEGAS BLVD NORTH
LAS VEGAS, NEVADA 89101

JLW	NOL85930 NOLK30	KERNEN

MSA
370 E. Windmill Lane
Suite 100
Las Vegas, NV 89 423
T: (702) 896-1100
F: (702) 896-1113
email: msa@msa-hv.com

€0.00

A SINGLE LINE DIAGRAM

[illegible]

SITE & LIGHTING IMPROVEMENTS
770 LAS VEGAS BLVD NORTH
LAS VEGAS, NEVADA 89101

9729 Multi-Conductor - Shielded Twisted Pair Cable



For more Information
please call

1-800-Belden1

**General Description:**

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
2	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors: 4

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Datalene®	FPE - Foam Polyethylene	0.019

Inner Shield**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.048

Overall Cable

Overall Nominal Diameter: 0.266 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 60°C (UL AWM Style 2493)

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 22 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2493 (300 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89729, 82729

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
100

Nom. Inductance:

Inductance (µH/ft)
0.23

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12.5

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
23.2

Nominal Velocity of Propagation:

VP (%)
76

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
24

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 15 Ohm/1000 ft

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
.384	0.74
.7056	0.87
.768	0.88
1.024	0.94
1.4112	1.01
1.536	1.03

9729 Multi-Conductor - Shielded Twisted Pair Cable

2.048	1.13
2.8224	1.29
3.072	1.35
4.096	1.57
5.6448	1.78
6.144	1.84
8.192	2.13
11.2896	2.45
12.288	2.57
24.576	3.57

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	UL AWM Style 2493

Max. Recommended Current:

Current
1 Amp per conductor @ 25°C

Notes (Overall)

Notes: Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9729 060100	100 FT	4.300 LB	CHROME		2 FS PR #24 FHDPE PVC
9729 0601000	1,000 FT	38.000 LB	CHROME	C	2 FS PR #24 FHDPE PVC
9729 06010000	10,000 FT	390.000 LB	CHROME	C Y	2 FS PR #24 FHDPE PVC
9729 060500	500 FT	20.500 LB	CHROME	C	2 FS PR #24 FHDPE PVC
9729 0605000	5,000 FT	185.000 LB	CHROME	C	2 FS PR #24 FHDPE PVC

Notes:

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Revision Number: 2 Revision Date: 08-15-2012

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Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

RECEIVED

By BAD RIVER BUILDING LLC at 2:46 pm, Apr 29, 2013



For information on installation planning, including electrical and data configuration guidelines, view or download the Data Enabler Pro Product Guide from www.philipscolorkinetics.com/lis/pds/dataenablerpro/

Date: 3/5/13 Type: LX-DEP
 Firm Name: ALIOS
 Project: NEON BONEYARD

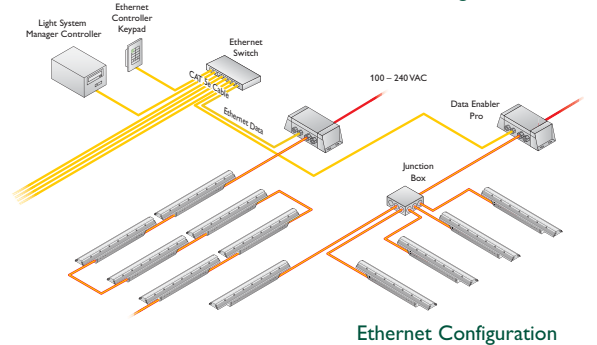
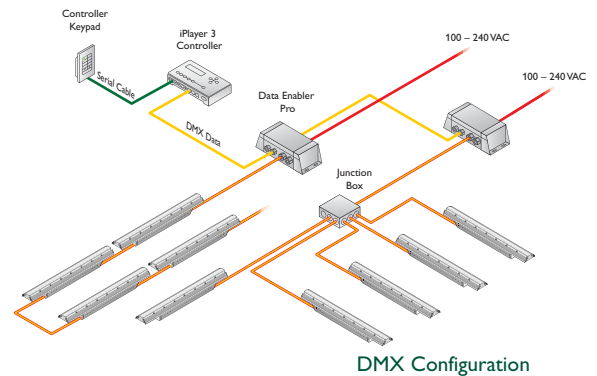
QTY. 8

Data Enabler Pro

Integrated data and power for intelligent LED lighting fixtures employing Powercore technology

Data Enabler Pro delivers integrated data and power to intelligent color and tunable white LED lighting fixtures employing Powercore technology from Philips Color Kinetics. Data Enabler Pro integrates many of the features of the previous generation of Data Enablers, including Data Enabler DMX, Data Enabler Ethernet, and Data Enabler EO. Data Enabler Pro is the single solution for all intelligent Powercore-based installations, whether DMX or Ethernet, color or white, indoors or outdoors.

- Easy installation — Accessible, clearly labeled terminal block connectors for DMX, Ethernet, line voltage, and fixtures make installation easy. Tethered cover with captive screws ensures convenient removal and replacement.
- Supports fixtures employing Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to LED lighting fixtures directly from line voltage. Philips Data Enabler Pro merges line voltage and control data and delivers them to Powercore fixtures over a single cable, dramatically simplifying installation and lowering total system cost.
- On-board diagnostics — On-board indicator LEDs provide visual feedback for normal operation, Ethernet connection detection, and Ethernet and DMX data transmission.
- Full support for DMX and Ethernet — Provides inputs and outputs for both DMX and Ethernet, allowing you to connect multiple Data Enabler Pro devices in series. Also provides an Ethernet output terminal for eW Accent MX Powercore and iColorAccent MX Powercore support.



- Outdoor-rated for use in damp and wet environments — Data Enabler Pro offers superior leakage protection in a cast aluminum, IP66-rated enclosure.
- Multiple conduit entries — Data Enabler Pro conduit entries accommodate NPT conduit in US trade sizes of 1/2 in and 3/4 in, or metric sizes of PG13 and PG21.
- Universal power input range — Data Enabler Pro automatically senses mains voltages ranging from 100 – 277 VAC, and passes mains voltages through to all connected lights.
- Designed for maximum energy efficiency — Data Enabler Pro consumes just 20 W maximum. Optional power-saving modes automatically cut power to attached lights when lights are off for a configurable number of minutes.

PHILIPS

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

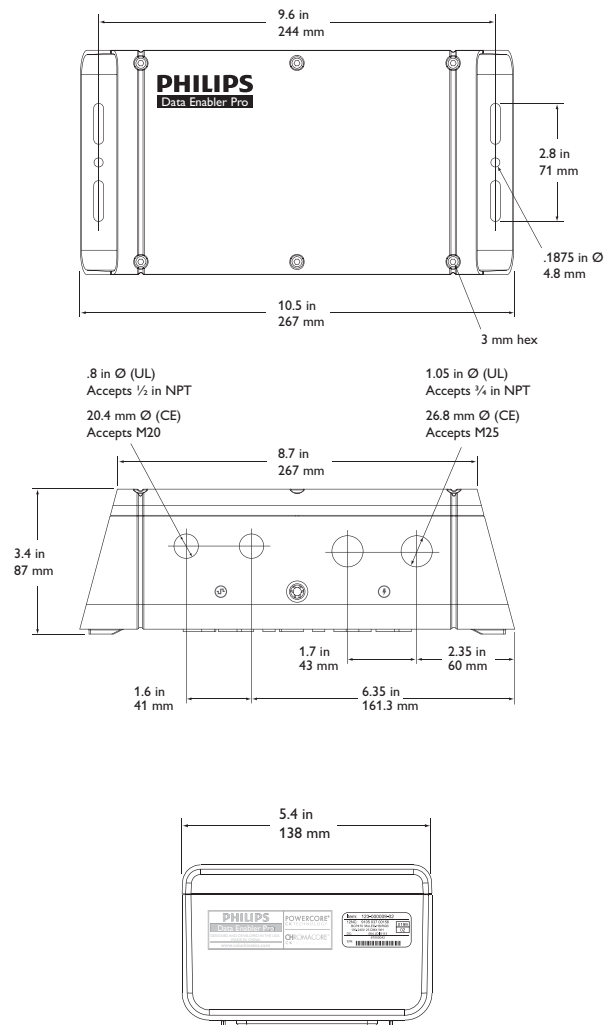
Item	Specification	Details
Electrical	Input Voltage	100 – 277 VAC*, auto-ranging, 50 / 60 Hz
	Maximum Input Current	16.5 A maximum
	Power Consumption	20 W maximum
	Load Current	16 A maximum
Connections	Power Input	3-wire PC terminal block connector†
	Power / Data Output	4-wire PC terminal block connector†
		4-wire IDC terminal block connector (eW Accent MX Powercore and iColor Accent MX Powercore only)‡
	DMX Input / Output	Double-pair, double-entry IDC connectors‡
Physical	Ethernet Input / Output	Double-pair, double-entry IDC connectors‡
	Dimensions (Height x Width x Depth)	3.4 x 10.5 x 5.4 in (87 x 267 x 138 mm)
	Weight	5.4 lb (2.4 kg)
	Construction	Cast aluminum enclosure with slots for surface mounting
	Finish	Powder-coated industrial gray matte
	Threaded Openings	3/4 in NPT for power / 1/2 in NPT for data (US trade) PG21 for power / PG13 for data (metric)
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -20° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Humidity	0 – 95%, non-condensing
	Cooling	Convection
	Heat Dissipation	20 W
	Data Input Source	Philips full range of controllers, third-party DMX controllers, or KiNET-compatible§ third-party Ethernet controllers
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, C-Tick
	Environment	Dry / Damp / Wet Location, IP66

* Verify that the line voltage is appropriate for the lighting fixtures in your installation. See a specific fixture's documentation for supported line voltages.

† PC terminal block connectors accept recommended wire sizes from 8 – 18 AWG (8.37 – 0.823 mm²).

‡ IDC connectors accept wire sizes from 22 – 26 AWG (0.326 – 0.129 mm²).

§ KiNET is the Ethernet lighting protocol from Philips Color Kinetics.



Ordering Information

Item	Type	Item Number	Philips 12NC
Data Enabler Pro	3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210
	PG21 / PG13 (metric size conduit)	106-000004-01	910503701211

Use Item Number when ordering in North America.



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Burlington, Massachusetts 01803 USA
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Fax 617.423.9998
www.philipscolorkinetics.com

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DAS-000052-01 R05 07-12



Middle Atlantic Products

EXCEPTIONAL SUPPORT & PROTECTION™

SEISMIC CERTIFIED



US PATENT# 7, 278, 183

EIA/TIA Compliant

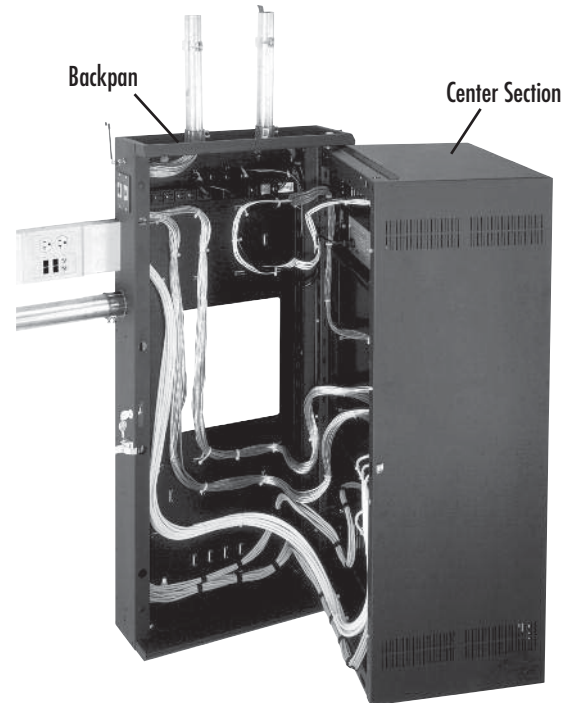
cUL US LISTED

DWR Series Wall Mount Rack

This pivoting, sectional wall cabinet is ideal for larger systems in both secured and non-secured areas

Features

- Available in 17", 22", 26" and 32" overall depths with 15", 20", 24" and 30" of useable depth
- Tool-Free Quick-Mount™ system for easy, one-person mounting of the center section to the backpan on the jobsite
- New center section rear channel accommodates slim power to save space
- Optional minimum-clearance latch allows side-by-side or interior corner mounting
- 16-gauge steel construction with 1/8" thick laser-cut corner braces
- Reversible padlockable center section is keyed differently from optional front door for security
- 2" knockouts, 4" knockouts for Wiremold 4000® Series raceways, and knockouts for UCP Series universal connector panels on side
- Grounding/bonding stud in top and bottom of center section and backpan facilitates proper grounding and bonding of electronic equipment, as per NEBS and NEC standards
- Finished in a durable black textured powder coat
- UL listed in the US and Canada



see inside for important information
regarding useable depths

DWR-24-22

Architects' and Engineers' Specifications

EIA compliant 19" wall mount rack shall be Middle Atlantic Products model # DWR-___ (refer to chart). Overall dimensions shall be 23.4" W x ___" H x ___" D (refer to chart). Weight capacity shall be ___ lbs. Tool-Free Quick-Mount™ system enables one-person installation. Useable depth shall be ___" (refer to chart) and shall extend into the back pan 3.5". Center section and back pan shall be 16-gauge steel, phosphate pre-treated and finished in a black textured powder coat. Rackrail shall be constructed of 11-gauge steel with tapped 10-32 mounting holes in universal EIA spacing with black e-coat finish and marked rack spaces. Rack shall be constructed to swing open for component cabling access, center section shall pivot for either left or right opening. Rack shall have a rear knockout panel with 1/2", 3/4", 1", 1-1/2", 2" and 3" electrical knockouts installed in base, and a rear knockout panel with 1/2", 3/4", 1", 1-1/2", 2" and 3" electrical knockouts, four Decora® cutouts, and BNC knockouts for UHF/VHF antennas installed in top. Large laser knockout on back pan shall have a 12-1/2" x 12-1/2" cutout for electrical pull-box. Fan knockouts on top and bottom shall allow for installation of up to four 4-1/2" fans. Rack shall have 2" knockouts, 4" knockouts for Wiremold 4000® Series raceways, and knockouts for UCP Series universal connector panels on the side. Top, bottom and sides shall feature vertical vent pattern. DWR Series enclosures shall satisfy the 2007 & 2010 CBC; 2006, 2009 & 2012 IBC; ASCE 7-05 (2005 Edition) & ASCE 7-10 (2010 Edition) and the 2006 & 2009 editions of NFPA 5000 for use in areas of high seismicity, Seismic Use Group III, Zone 4 or Seismic Design Category (SDC) "D" with lateral force requirements for protecting 140 lbs. of essential equipment in locations with the highest level of seismicity and top floor or rooftop installations with an Importance factor (Ip) of 1.5 when used with DWRSR-ZL Latch. Rack shall be UL Listed in the US and Canada. Rack shall be

GREENGUARD Indoor Air Quality Certified for Children and Schools. Rack shall be RoHS EU Directive 2002 / 95 / EC compliant. Rack shall be manufactured by an ISO 9001 and ISO 14001 registered company. Rack shall be warranted to be free from defects in materials or workmanship under normal use and conditions for the lifetime of the rack.

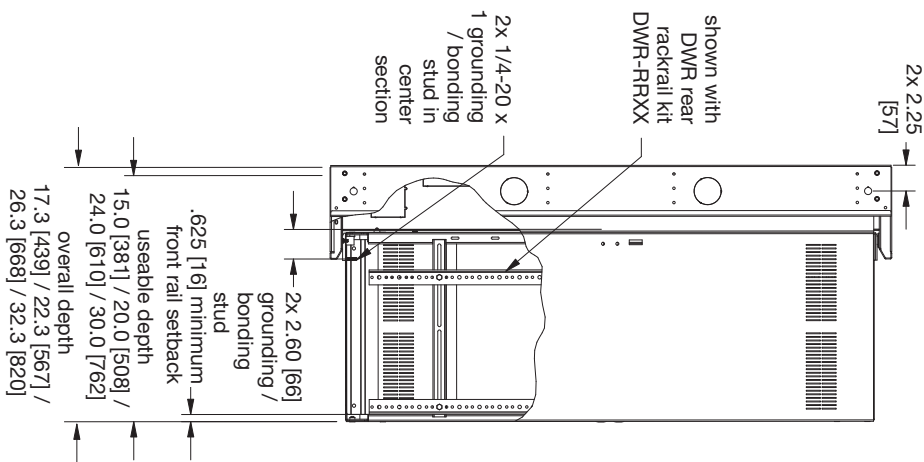
OPTIONS

- Front doors shall be reinforced 16-gauge steel, model # FD-XX (solid), VFD-XX (vented, 25% open area), LVFD-XX (vented, 64% open area), PFD-XX (plexi), (XX= # of rackspace of DWR rack)
- Keyless Latch replaces keylock, fits front & rear doors, shall be models # LATCH
- Rear rail kit 11-gauge, 10-32 threaded, sold in pairs, hardware included, shall be model # DWR-RRXX
- Fan kits with two 4-1/2" exhaust fans, fan guards and vent blockers, shall be model # DWR-FK17 (fits DWR-xx-17), DWR-FK22 (fits DWR-xx-22), DWR-FK26 (fits DWR-xx-26), DWR-FK32 (fits DWR-xx-32)
- Vent Blockers used to promote active thermal management, shall be model # VBK-D17 (fits DWR-XX-17), VBK-SD22 (fits DWR-XX-22), VBK-E20 (fits DWR-XX-26)
- Optional cover plate / shelf kit shall be model # DWR-CVR
- Minimum-clearance latch shall allow side-by-side or corner mounting, shall be model # DWRSR-ZL

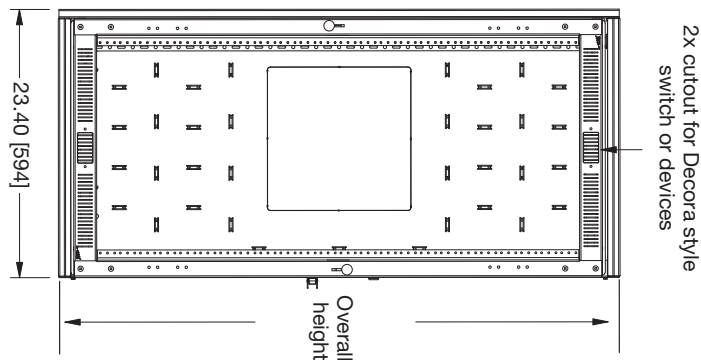
CUSTOMIZABLE SPECIFICATION CLIPS AVAILABLE AT MIDDLEATLANTIC.COM

DWR Series basic dimensions

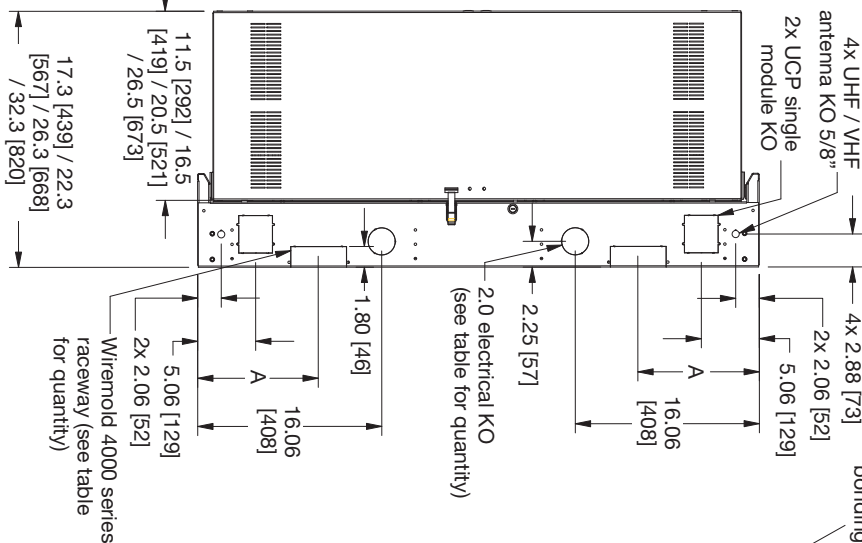
SIDE VIEW



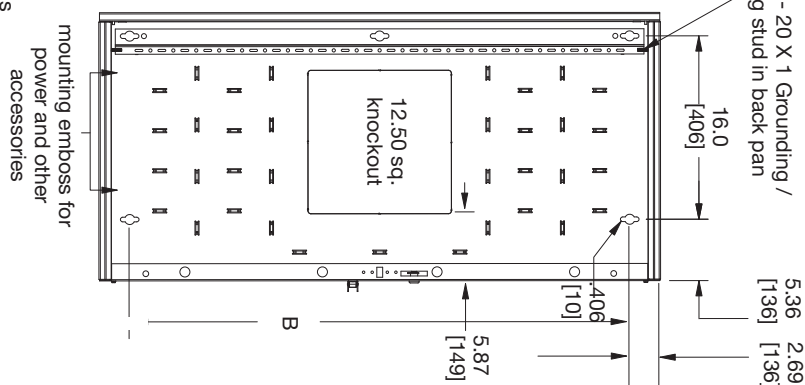
**FRONT VIEW
(CENTER SECTION)**



SIDE VIEW



**FRONT VIEW
(BACK PAN)**



NOTES:

17", 22" 26" and 32" deep models are represented in this drawing (DWR-XX-17) / (DWR-XX-22) / (DWR-XX-26) / (DWR-XX-32)

All dimensions in inches unless otherwise noted [All bracketed dimensions are in millimeters]

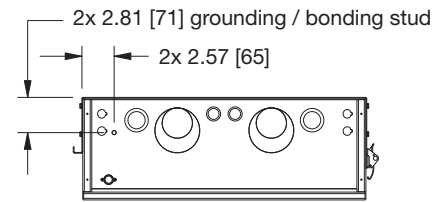
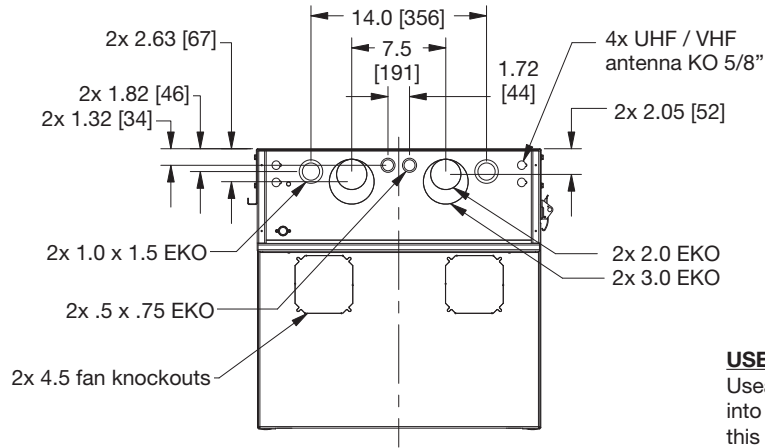


DWR Series basic dimensions



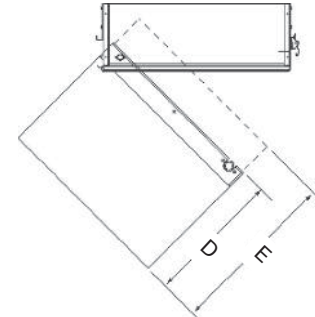
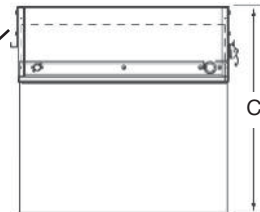
TOP VIEW

(knockouts pictured in top view are also on the bottom view)

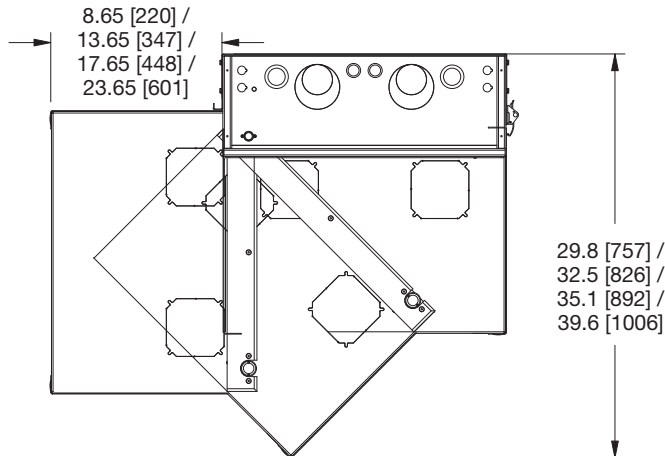


USEABLE DEPTH

Useable depth extends into backpan. Consider this when applications require large amounts of cables, connectors and/or conduit in the backpan.



CENTER SECTION CLEARANCE

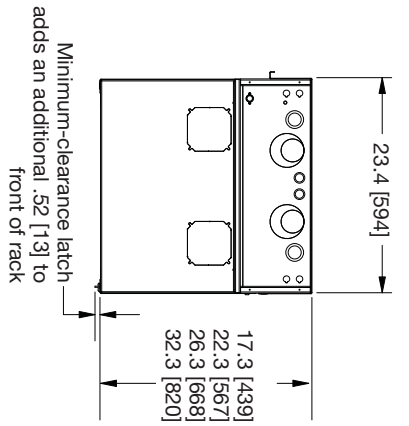


MODEL #	C OVERALL DEPTH	D CENTER SECTION DEPTH	E USEABLE DEPTH
DWR-XX-17	17.3 [439]	11.5 [292]	15.0 [381]
DWR-XX-22	22.3 [567]	16.5 [419]	20.0 [508]
DWR-XX-26	26.3 [668]	20.5 [521]	24.0 [610]
DWR-XX-32	32.3 [820]	26.5 [673]	30.0 [762]

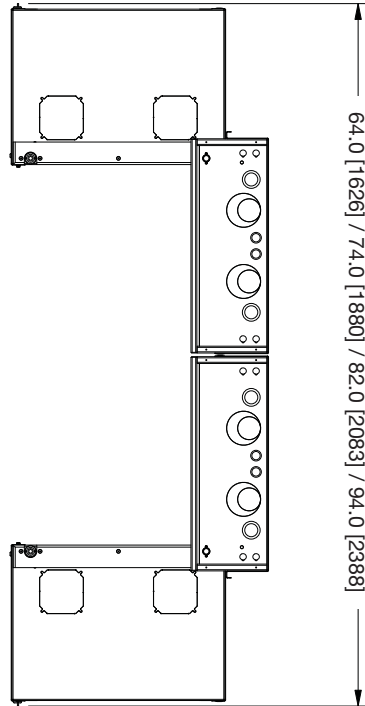
Part #	Overall Height	Racking Height	Useable Depth	Rackspaces	Weight Capacity	2" EKO Backpan Qty.	Wiremold 4000 Series Qty.	A Wiremold 4000 Series Spacing	B Mounting Hole Spacing	Qty. of Mounting Holes
DWR-10-17	24.50 (622)	17.50 (445)	15	10-spaces	200-lbs.	-	1	12.25 (311)	19.13 (486)	4
DWR-10-22	24.50 (622)	17.50 (445)	20	10-spaces	200-lbs.	-	1	12.25 (311)	19.13 (486)	4
DWR-12-17	28.00 (711)	21.00 (533)	15	12-spaces	200-lbs.	-	1	14.00 (356)	22.63 (575)	4
DWR-12-22	28.00 (711)	21.00 (533)	20	12-spaces	200-lbs.	-	1	14.00 (356)	22.63 (575)	4
DWR-12-26	28.00 (711)	21.00 (533)	24	12-spaces	200 lbs.	-	1	14.00 (356)	22.63 (575)	4
DWR-12-32	28.00 (711)	21.00 (533)	30	12-spaces	200-lbs.	-	1	14.00 (356)	22.63 (575)	4
DWR-16-17	35.00 (889)	28.00 (711)	15	16-spaces	200-lbs.	-	1	17.50 (445)	29.63 (752)	4
DWR-16-22	35.00 (889)	28.00 (711)	20	16-spaces	200-lbs.	-	1	17.50 (445)	29.63 (752)	4
DWR-18-17	38.50 (978)	31.50 (800)	15	18-spaces	250-lbs.	-	1	19.25 (489)	33.13 (841)	4
DWR-18-22	38.50 (978)	31.50 (800)	20	18-spaces	250-lbs.	-	1	19.25 (489)	33.13 (841)	4
DWR-18-26	38.50 (978)	31.50 (800)	24	18-spaces	250-lbs.	-	1	19.25 (489)	33.13 (841)	4
DWR-18-32	38.50 (978)	31.50 (800)	30	18-spaces	250-lbs.	-	1	19.25 (489)	33.13 (841)	4
DWR-21-17	43.75 (1111)	36.75 (933)	15	21-spaces	250-lbs.	4	2	10.56 (268)	38.33 (975)	4
DWR-21-22	43.75 (1111)	36.75 (933)	20	21-spaces	250-lbs.	4	2	10.56 (268)	38.33 (975)	4
DWR-24-17	49.00 (1245)	42.00 (1067)	15	24-spaces	300-lbs.	4	2	10.56 (268)	43.63 (1108)	5
DWR-24-22	49.00 (1245)	42.00 (1067)	20	24-spaces	300-lbs.	4	2	10.56 (268)	43.63 (1108)	5
DWR-24-26	49.00 (1245)	42.00 (1067)	24	24-spaces	300-lbs.	4	2	10.56 (268)	43.63 (1108)	5
DWR-24-32	49.00 (1245)	42.00 (1067)	30	24-spaces	300-lbs.	4	2	10.56 (268)	43.63 (1108)	5
DWR-35-17	68.25 (1734)	61.25 (1558)	15	35-spaces	300-lbs.	4	2	10.56 (268)	62.83 (1597)	6
DWR-35-22	68.25 (1734)	61.25 (1558)	20	35-spaces	300-lbs.	4	2	10.56 (268)	62.83 (1597)	6
DWR-35-26	68.25 (1734)	61.25 (1558)	24	35-spaces	300-lbs.	4	2	10.56 (268)	62.83 (1597)	6

DWR Series basic dimensions with Minimum-Clearance Latch installed

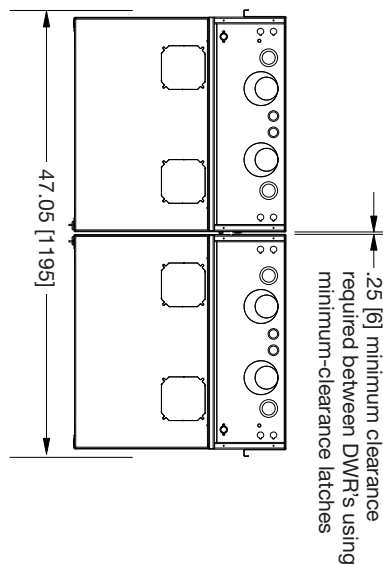
TOP VIEW



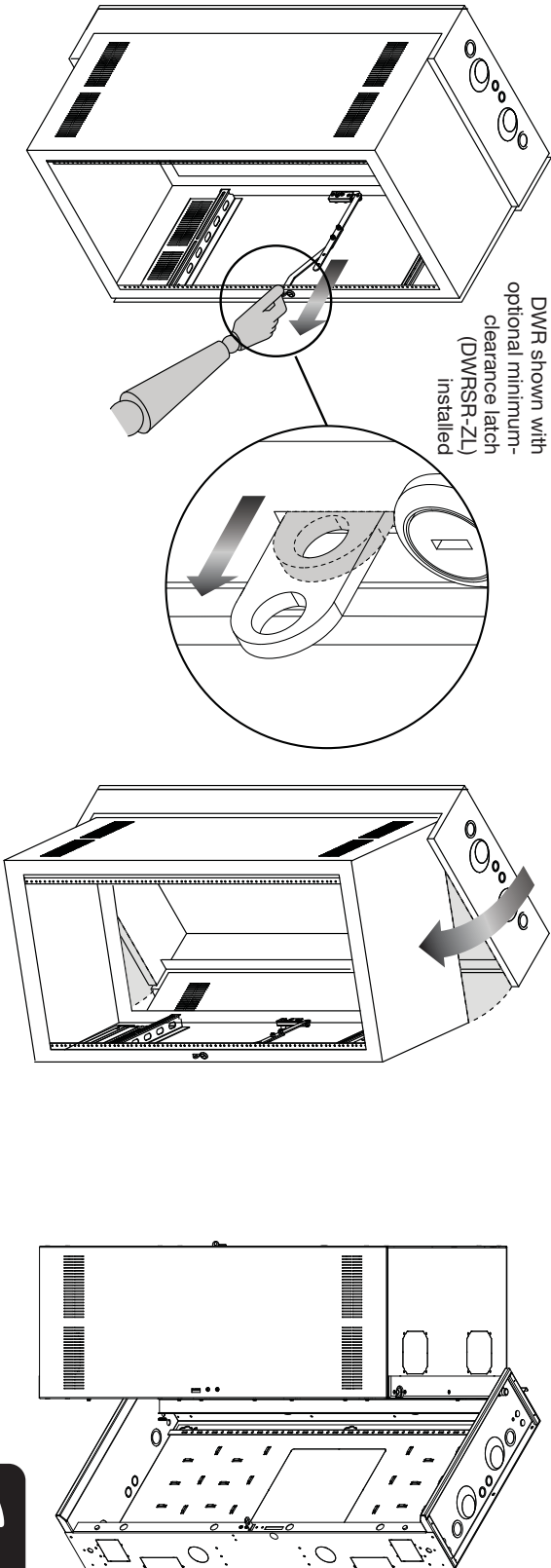
TOP VIEW
(2 DWR'S FULLY OPEN)



TOP VIEW
(2 DWR'S IN CLOSED POSITION)



OPTIONAL DWRSR-ZL MINIMUM-CLEARANCE LATCH OPERATION:



All dimensions in inches unless otherwise noted [All bracketed dimensions are in millimeters]



REVIEWED

HVAC UNIT SPECIFICATION

GE® 230/208 Volt Built-In Heat/Cool Room Air Conditioner – MODEL NO: AJEQ10DCE

Approx. Dimensions:

15 5/8 H x 26 W x 21 13/16 D

Capacity:

- 10,000/9,800 Cooling BTU
- 11,200/9,200 Resistance heat BTU
- 3470/2850 Watts heat
- 9.4/9.4 EER
- 230/208 Volts

Weights & Dimensions:

Approximate Shipping - Weight 92.0 lb

Net Weight - 79.0 lb

Overall Height - 15.625 in

Overall Height (Excludes Sleeve) - 14.875 in

Overall Width - 26.0 in

Overall Width (Excludes Sleeve) - 24.8125 in

Overall Depth - 21.8125 in

Overall Depth (Excludes Sleeve) - 19.90625 in

<http://m.geappliances.com/GEAppliancesMobile/Dispatcher?REQUEST=Specifications&Sku=AJEQ10DCE>

Initials of Subcontractor _____

Initials of Contractor _____



**CUSTOM PART#
AMBER & WHITE
LEDs**

Date: 3/5/13 Type: LX-AW
Firm Name: ALIOS
Project: NEON BONEYARD

QTY. 46

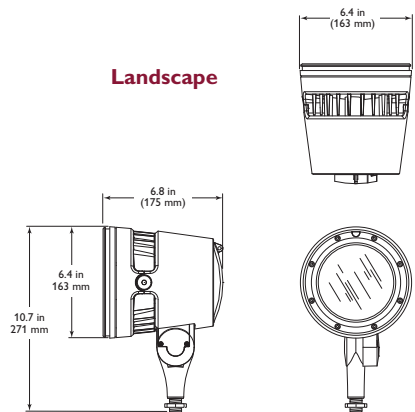
ColorBurst Powercore

8° native (no spread lens)

Architectural and landscape LED spotlight with intelligent color light

ColorBurst Powercore is a high-output, exterior-rated LED lighting fixture designed for accent and site lighting. Standard format Architectural and Landscape fixtures deliver full-color light output of up to 647 lumens to support a range of dynamic uplighting, floodlighting, and decorative lighting applications.

- Integrates patented Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. The Philips Color Kinetics Data Enabler Pro merges line voltage and control data and delivers them to the fixture over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Flexible mounting options in architectural applications — ColorBurst Powercore Architectural fixtures feature an integrated yoke with canopy base for mounting to standard US junction boxes or directly to a flat surface or substrate as local codes permit.
- Support for a wide range of landscape applications — ColorBurst Powercore Landscape fixtures feature a 1/2 in NPT threaded post for mounting to standard junction boxes and third-party mounting accessories for use in softscape and hardscape applications.
- Outdoor rated — With a rugged, die-cast aluminum housing fully sealed for maximum fixture life and IP66-rated for outdoor applications, ColorBurst Powercore is ideal for use in damp or wet locations.
- Exchangeable optics and accessories — Available 14°, 23°, 41°, and asymmetric 10° x 41° spread lenses project a soft-edge beam to support a wide range of lighting applications. Native 8° beam angle offers extended light projection.
- Versatile light positioning — ColorBurst Powercore fixtures can tilt through a full 180°. ColorBurst Powercore Architectural fixtures can also rotate through a full 360° for



precise aiming. Locking nuts accept standard hex wrenches to secure fixtures firmly in position.

- Universal power input range — ColorBurst Powercore accepts a universal power input range of 100 to 240 VAC, allowing long fixture runs and consistent installation in any location around the world.
- Industry-leading controls — ColorBurst Powercore works seamlessly with the complete line of Philips Color Kinetics controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, as well as third-party controllers.

For detailed product information, please refer to the ColorBurst Powercore Product Guide at www.philipscolorkinetics.com/ls/rgb/colorburstpc/

PHILIPS

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
	Lumens*	647
	LED Channels	Amber / White
	Lumen Maintenance†	120,000 hours L50 @ 25° C 70,000 hours L50 @ 50° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz via Data Enabler Pro
	Power Consumption	30 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX / Ethernet)
	Control System	Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
Physical	Dimensions (Height x Width x Depth)	10.8 x 8.0 x 6.8 in (274 x 204 x 175 mm) Architectural 10.7 x 6.4 x 6.8 in (271 x 163 x 175 mm) Landscape
	Weight	11 lb (5 kg) Architectural 7.4 lb (3.4 kg) Landscape
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Fixture Connections	6 ft (1.8 m) unified power / data cable with flying leads Architectural 6 in (152 mm) flying leads Landscape
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Humidity	0 – 95%, non-condensing
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, PSE, C-Tick, CQC, SAA
	Environment	Dry / Damp / Wet Location, IP66

* Lumen measurement complies with IES LM-79-08 testing procedures.

† L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified.

Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.



CHROMACORE[®]
CK TECHNOLOGY

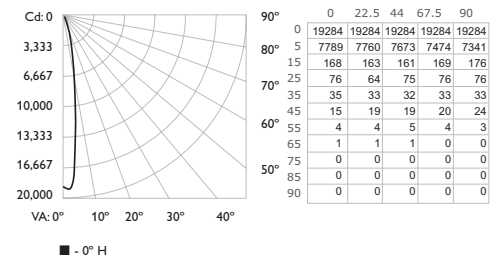
OPTIBIN[®]
CK TECHNOLOGY

POWERCORE[®]
CK TECHNOLOGY

Photometrics

ColorBurst Powercore
8° native (no spread lens)

Polar Candela Distribution



Illuminance at Distance

	Center Beam fc	Beam Width
4.0 ft	1205 fc	0.6 ft
8.0 ft	301 fc	1.2 ft
12.0 ft	134 fc	1.8 ft
16.0 ft	75 fc	2.4 ft
20.0 ft	48 fc	3.0 ft
24.0 ft	33 fc	3.6 ft

139 ft (42.4 m)
1 fc maximum distance

■ Beam Spread: 8.6°

LED	Lumens	Efficacy
RGB	647	24.6

For lux multiply fc by 10.7

Fixtures and Data Enabler Pro

Item	Type	Item Number	Philips 12NC
ColorBurst Powercore Landscape	Gray		Custom Part #
	Black	123-000015-03	910503701703
	White	123-000015-06	910503701706
ColorBurst Powercore Architectural	Gray	123-000015-04	910503700639
	Black	123-000015-04	910503701704
	White	123-000015-07	910503701707
ColorBurst Powercore Architectural CQC	Gray	123-000015-02	910503701702
	Black	123-000015-05	910503701705
	White	123-000015-08	910503701708
Data Enabler Pro	3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210
	PG21 / PG13 (metric size conduit)	106-000004-01	910503701211

Use Item Number when ordering in North America.

Accessories

Item	Type	Item Number	Philips 12NC
Trim Ring	Gray	120-000103-00	910503701212
	Black	120-000103-06	910503701734
	White	120-000103-12	910503701737
45° Glare Shield	Gray	120-000103-01	910503701213
	Black	120-000103-07	910503701735
	White	120-000103-13	910503701738
Full Height Glare Shield	Gray	120-000103-02	910503701214
	Black	120-000103-08	910503701736
	White	120-000103-14	910503701739
Honeycomb Louver	Black	120-000104-00	910503701215
Spread Lenses	14°	120-000080-00	910503700609
	23°	120-000080-01	910503700610
	41°	120-000080-02	910503700611
	10° x 41° asymmetric	120-000080-03	910503700612

Use Item Number when ordering in North America.



Philips Color Kinetics
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DAS-000029-01 R04 07-12



Date: 3/5/13 Type: LX-RGB
 Firm Name: ALIOS
 Project: NEON BONEYARD

QTY. 72

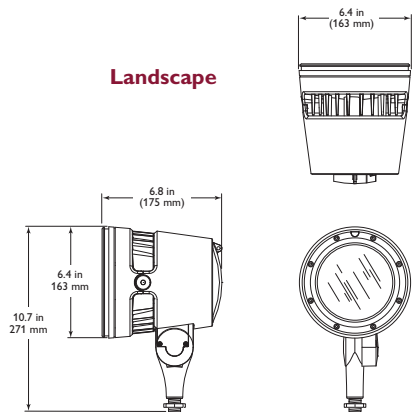
ColorBurst Powercore

8° native (no spread lens)

Architectural and landscape LED spotlight with intelligent color light

ColorBurst Powercore is a high-output, exterior-rated LED lighting fixture designed for accent and site lighting. Standard format Architectural and Landscape fixtures deliver full-color light output of up to 647 lumens to support a range of dynamic uplighting, floodlighting, and decorative lighting applications.

- Integrates patented Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. The Philips Color Kinetics Data Enabler Pro merges line voltage and control data and delivers them to the fixture over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Flexible mounting options in architectural applications — ColorBurst Powercore Architectural fixtures feature an integrated yoke with canopy base for mounting to standard US junction boxes or directly to a flat surface or substrate as local codes permit.
- Support for a wide range of landscape applications — ColorBurst Powercore Landscape fixtures feature a 1/2 in NPT threaded post for mounting to standard junction boxes and third-party mounting accessories for use in softscape and hardscape applications.
- Outdoor rated — With a rugged, die-cast aluminum housing fully sealed for maximum fixture life and IP66-rated for outdoor applications, ColorBurst Powercore is ideal for use in damp or wet locations.
- Exchangeable optics and accessories — Available 14°, 23°, 41°, and asymmetric 10° x 41° spread lenses project a soft-edge beam to support a wide range of lighting applications. Native 8° beam angle offers extended light projection.
- Versatile light positioning — ColorBurst Powercore fixtures can tilt through a full 180°. ColorBurst Powercore Architectural fixtures can also rotate through a full 360° for



precise aiming. Locking nuts accept standard hex wrenches to secure fixtures firmly in position.

- Universal power input range — ColorBurst Powercore accepts a universal power input range of 100 to 240 VAC, allowing long fixture runs and consistent installation in any location around the world.
- Industry-leading controls — ColorBurst Powercore works seamlessly with the complete line of Philips Color Kinetics controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, as well as third-party controllers.

For detailed product information, please refer to the ColorBurst Powercore Product Guide at www.philipscolorkinetics.com/ls/rgb/colorburstpc/

PHILIPS

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
	Lumens*	647
	LED Channels	Red / Green / Blue
	Lumen Maintenance†	120,000 hours L50 @ 25° C 70,000 hours L50 @ 50° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz via Data Enabler Pro
	Power Consumption	30 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX / Ethernet)
	Control System	Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
Physical	Dimensions (Height x Width x Depth)	10.8 x 8.0 x 6.8 in (274 x 204 x 175 mm) Architectural 10.7 x 6.4 x 6.8 in (271 x 163 x 175 mm) Landscape
	Weight	11 lb (5 kg) Architectural 7.4 lb (3.4 kg) Landscape
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Fixture Connections	6 ft (1.8 m) unified power / data cable with flying leads Architectural 6 in (152 mm) flying leads Landscape
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Humidity	0 – 95%, non-condensing
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, PSE, C-Tick, CQC, SAA
	Environment	Dry / Damp / Wet Location, IP66

* Lumen measurement complies with IES LM-79-08 testing procedures.

† L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified.

Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.



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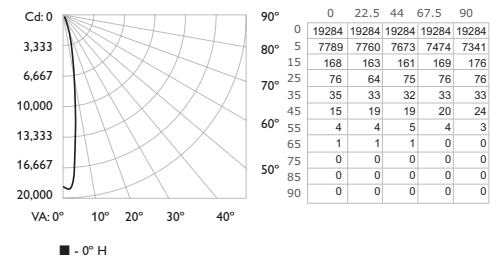
POWERCORE[®]
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Photometrics

ColorBurst Powercore

8° native (no spread lens)

Polar Candela Distribution



Illuminance at Distance

	Center Beam fc	Beam Width
4.0 ft	1205 fc	0.6 ft
8.0 ft	301 fc	1.2 ft
12.0 ft	134 fc	1.8 ft
16.0 ft	75 fc	2.4 ft
20.0 ft	48 fc	3.0 ft
24.0 ft	33 fc	3.6 ft

139 ft (42.4 m)
1 fc maximum distance

■ Beam Spread: 8.6°

LED	Lumens	Efficacy
RGB	647	24.6

For lux multiply fc by 10.7

Fixtures and Data Enabler Pro

Item	Type	Item Number	Philips 12NC
ColorBurst Powercore Landscape	Gray	123-000015-00	910503700578
	Black	123-000015-03	910503701703
	White	123-000015-06	910503701706
ColorBurst Powercore Architectural	Gray	123-000015-04	910503700639
	Black	123-000015-04	910503701704
	White	123-000015-07	910503701707
ColorBurst Powercore Architectural CQC	Gray	123-000015-02	910503701702
	Black	123-000015-05	910503701705
	White	123-000015-08	910503701708
Data Enabler Pro	3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210
	PG21 / PG13 (metric size conduit)	106-000004-01	910503701211

Use Item Number when ordering in North America.

Accessories

Item	Type	Item Number	Philips 12NC
Trim Ring	Gray	120-000103-00	910503701212
	Black	120-000103-06	910503701734
	White	120-000103-12	910503701737
45° Glare Shield	Gray	120-000103-01	910503701213
	Black	120-000103-07	910503701735
	White	120-000103-13	910503701738
Full Height Glare Shield	Gray	120-000103-02	910503701214
	Black	120-000103-08	910503701736
	White	120-000103-14	910503701739
Honeycomb Louver	Black	120-000104-00	910503701215
Spread Lenses	14°	120-000080-00	910503700609
	23°	120-000080-01	910503700610
	41°	120-000080-02	910503700611
	10° x 41° asymmetric	120-000080-03	910503700612

Use Item Number when ordering in North America.



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