

Chicago Approved LED Exits

Series Features

- 120VAC Operation Standard
- Maximum Input Rating
120VAC - 15 Watts / AC ONLY 8.5 Watts
277VAC - 15 Watts
- White LED 3.7 Watts
- 25 Year Life Expectancy
- Open-Face Glass Panel
- Silk Screen Letters
- Ceiling or Back Mount
- Canopy
- 20-Gauge Steel Housing with Vandal Resistant Lens
- White Powder-Coat Finish
- UL Listed
- Chicago Code Approved / Wet Location

EXCLN 1 R W W SS TP HTR12 TM
EXCLN 2 R W W SS TP HTR12 TM

Additional Emergency Unit Features

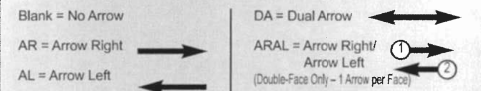
- Integrated Solid State System
- Multi-Rate, Controlled, Automatic Charger
- Lock Out (Automatic Battery Connect)
- Low-Voltage Battery Cutoff
- Brownout Sensitivity
- Dual-Voltage Transformer for 120/277VAC Operation

- White LED 3.7 Watts
- 25 Year Life Expectancy

- Ni-Cad Battery
- 6-Volt Operation
- Maintenance-Free
- Test Switch

- Red (Power On) LED Indicator
- UL Listed

Specify Arrow Configuration on all Open-Face Signs



Ordering Information

ECXLN	#	R	W	W	-UA
Series	# Faces	Letter Color	Panel Color	Housing/Trim Color	Options
CXLN - AC	1	Red	White	White	Factory Options
ECXLN - Emer	2			Black SM Painted Matte Chrome	



Options

- Add Suffix to Catalog Number
- TP Tamper-Proof Screws
 - SS Stainless Steel (advise mounting)
 - HTR120 120VAC Heater
 - HTR277 277VAC Heater
 - TM Top Mount

Dimensions

- CXLN**
Height: 10.75"
Width: 16.95"
Depth: 2.75"
- ECXLN**
Height: 10.75"
Width: 21.25"
Depth: 2.75"



815.459.6143 1
www.bigbeam.com

LOAD CALCULATION FOR BUILDING SERVICE (NORMAL SERVICE)

Prepared By:	AAA ENGINEERING 5940 W. TOUHY AVE. SUITE 210 NILES, ILLINOIS 60714			
Building Description:	CTA ELEVATED STATION AT 430 S PEORIA STREET			
Available Fault Current:	65KIC @ 208V			
Type of Electrical Service:	208V, 3 PHASE, 3 WIRE UNGROUNDED			
Size of Service Entrance Conductors:	SEE DRAWINGS			
Size of Grounding Electrode:	SEE DRAWINGS			
Size of O.C.P.:	400A/3P			
GENERAL LIGHTING LOAD CALCULATION:				
	Sq-Ft/Unit	Units	VA/SF	Sub Totals
General Lighting Load:				
Lighting Load		3000	1	4
				12,000.00 VA
				- VA
				Total VA 12,000.00 VA
SECTION 1				
GENERAL LIGHTING LOAD DEMAND FACTOR:				
ALL AT 100%				Total VA 12,000.00 VA
SECTION 2				
STATION LOAD:				
	Units/Quantity	VA	Demand Fact	Sub Totals
ELEVATOR	1	15000	0.95	14,250.00 VA
H-1	4	3000	1	12,000.00 VA
H-2	2	5000	1	10,000.00 VA
H-3	1	3000	1	3,000.00 VA
H-4	1	5000	1	5,000.00 VA
IH-1 (PLATF)	6	3200	1	19,200.00 VA
IH-2 (STATION)	3	3200	1	9,600.00 VA
EXHAUST FANS & LOUVERS	1	6100	1	6,100.00 VA
HEAT TRACING	7	1600	1	11,200.00 VA
REVENUE EQUIPMENT	1	2000	1	2,000.00 VA
COMMUNICATION EQUIP	1	5000	1	5,000.00 VA
WATER HEATER (WH)	1	3000	1	3,000.00 VA
COOLING LOADS:				
CU-1	1	5620	1	5,620.00 VA
AC-1,2 AND 3	3	416	1	1,248.00 VA
AC-4	1	832	1	832.00 VA
COND PUMPS	2	200	1	400.00 VA
Since Heating overall building is larger load we do not take into account Cooling loads				
				Total VA 108,450.00 VA
	Cooling loads=	8,100.00 VA		Total VA 100,350.00 VA
SECTION 3				
25% Continous Load (Lighting)				
			12,000.00	0.25
			15000	0.25
				3,000.00 VA
25% of Largest Motor (Elevator)				
				3,750.00 VA
				Total VA 6,750.00 VA
Total From Section 1				
Total From Section 2				
Total From Section 3				
TOTAL VA 119,100.00				

CITY OF CHICAGO DEPARTMENT OF CONSTRUCTION AND PERMITS							
GENERAL BUILDING REQUIREMENTS Chicago Building Code (CBC) 2012 Edition							
ITEM	ISSUE	CHAPTER/ARTIC	Ordinance Requirement	Actual	Requirement N/A	Location/Sheet No. Agency/Test No.	REMARKS
ELECTRICAL CODE MATRIX							
1	Emergency Lighting Systems	18-27-700			Comply		
2	Service Requirements	18-27-230			Comply		
3	Services-Special	18-27-384.11			N/A		
4	Service Rating	18-27-230.42			Comply		
5	Service Disconnecting Means	18-27-230.70			Comply		
6	Maximum number of disconnects	18-27-230.71			Comply		
7	Number of Services	18-27-230.40			Comply		
8	Ground Fault Requirements	18-27-230.95			Comply		
9	Grounding	18-27-250			Comply		
10	Load Calculations	18-27-220			Comply		
11	Required Outlets, Branch Ckts	18-27-210			Comply		
12	Spaces about Electrical Equipment	18-27-110.26 18-27-384.8 18-27-230.24			Comply		
13	Generator Requirements	18-27-701			N/A		
14	Hi Rise	13-76			N/A		
15	Fire Alarm Systems	18-27-760			Comply		
16	Conductors	18-27-310			Comply		
17	Conduit Fill	Appendix C Table 9			Comply		
18	Voltage Drop	18-27-210.19 18-27-215.2			Comply		
19	Interrupting Rating	18-27-110.9			Comply		
20	Communication Circuits	18-27-800			Comply		
21	Plan Requirements						
	Service and Feeders	18-27-215.5			Comply		
	Special Services	18-27-384.11			N/A		
	Exit and Emergency Plans	18-27-700.3			Comply		
	Emergency Generator Plans	18-27-701.7			N/A		
	Fire Alarm Plans	18-27-760-81			Comply		

AAA ENGINEERING
WBE/DBE CERTIFIED
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USER NAME = hab1b	DESIGNED JCM	REVISED 1/20/2014
	CHECKED OS	REVISED
PLOT SCALE = 0x2' in / in.	DRAWN HR	REVISED
PLOT DATE = 1/21/2014	CHECKED BC	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PEORIA STREET STATION
CITY LOAD CALCS AND EXIT LTG CATALOG CUT**

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	291
CONTRACT NO.				60W29

SHEET NO. E-300 OF 117 SHEETS

ILLINOIS FED. AID PROJECT