

## SUGGESTED ELECTRICAL NOTES:

- BACKLITE FASCIA LIGHT BOXES WILL BE ERRECTED BY OWNER, UP TO 105'-0" LENGTHS, UP TO (7) 15'-0" SECTIONS AT A TIME. FASCIAS MAY BE LAYED OUT STARTING FROM LEFT TO RIGHT. THE ELECTRICAL CONNECTION IS (1) 1P/20 AMP BREAKER FOR EACH 105'-0" OF LIGHT BOXES. THE ELECTRICAL CONNECTION POINT IS ALWAYS THE TOP CENTER OF THE LEFT BOX.

**FOR MORE INFORMATION:**  
 CONSULT THE INSIDE BACK COVER OF THE  
 SHARPLINE INSTALLATION MANUAL, PROVIDED.

U.S. PATENT NUMBER 5,044,102

NOTE: Rated amperages listed on ballast units are per ballast manufacturer. Determination of the number of circuits required is the sole responsibility of the electrical contractor.

**PROPRIETARY NOTE:**  
 This drawing and graphic imaging shown are for representation only, no scale is implied. All information hereon is of a confidential nature and remains the property of Sharpline Converting, Inc. any use or reproduction of this drawing for any purpose, except by written permission of Sharpline Converting, Inc. is strictly prohibited.



PART #	166900-322	ORDER #	1195716	ART #	166900322F1-4
ACGT #	81502				
DESCRIPTION	47" VOLOAH X.1				
STOP	SYSTEM 90 W/METAL D/L - 3 ROW LED II SYSTEM				

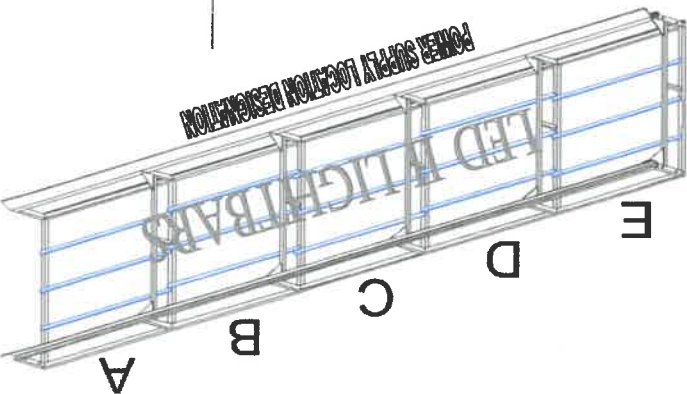


1520 S. Tyler Rd. · P.O. Box 9608  
 Wichita, KS 67209 · 67277-0608  
 (316) 722-9080 · (800) 898-4888  
 Fax: (316) 721-1535  
 www.sharpline.com  
 An ISO 9001 Certified Organization

# ELECTRICAL REQUIREMENTS

V.O. " : 47  
 CUSTOMER :  
 SITE :  
 PART # : 166900-322  
 ORDER # : 1196716  
 DATE : Jul-25  
 LIN FEET : 162  
 ROWS LED : 3

"L" denotes shared power supply lighting corner  
 "LC" denotes LH endcap required  
 "RC" denotes RH endcap required  
 "AR" denotes LH Adjustable Rib included



MODULE	LENGTH	TYPE	CIRCUIT 1	CIRCUIT 1 SPLIT	CIRCUIT 2	CIRCUIT 2	LED BARS	POWER SUPPLY MODEL	FULL LOAD AMPERAGE	ESTIMATED MODULE AMPERAGE LOAD
A	15'-0"	AR	3	3	3	3	3	HLG-240H-24	2.10	1.48
B	8'-0"	AR	3	3	3	3	3	HLG-185H-24	2.10	0.89
C	CORNER	C	3	3	3	3	3		0.00	0.00
D	15'-0"	C	3	3	3	3	3		2.10	1.48
E	15'-0"	C	3	3	3	3	3		2.10	1.48
F	15'-0"	AR	3	3	3	3	3	HLG-120H-24	2.10	1.48
G	4'-0"	AR	3	3	3	3	3		1.40	0.51
H	CORNER	C	3	3	3	3	3		0.00	0.00
I	15'-0"	C	3	3	3	3	3		2.10	1.48
J	8'-0"	AR	3	3	3	3	3		2.10	0.89
K	CORNER	C	3	3	3	3	3		0.00	0.00
L	15'-0"	C	3	3	3	3	3		2.10	1.48
M	15'-0"	C	3	3	3	3	3		2.10	1.48
N	15'-0"	C	3	3	3	3	3		2.10	1.48
O	4'-0"	AR	3	3	3	3	3		1.40	0.51
P	CORNER	C	3	3	3	3	3		0.00	0.00
Q									0.00	0.00
R									0.00	0.00
S									0.00	0.00
T									0.00	0.00
U									0.00	0.00
V									0.00	0.00
W									0.00	0.00
X									0.00	0.00
Y									0.00	0.00
Z									0.00	0.00
AA									0.00	0.00
BB									0.00	0.00
CC									0.00	0.00
DD									0.00	0.00
EE									0.00	0.00
FF									0.00	0.00
GG									0.00	0.00
HH									0.00	0.00
II									0.00	0.00
JJ									0.00	0.00
KK									0.00	0.00
LL									0.00	0.00
MM									0.00	0.00
NN									0.00	0.00
<b>TOTALS:</b>										
									2	23.80
										14.64

**3-ROW LED SYSTEM**  
 Dual Voltage: 120V/277V

UL Listed (USA/Canada) File # E126351

BAR#	QTY	P/N:	DESC.
4' Bars:	0	999043	48" CW STRIP 6000 K
3' Bars:	150	999044	36" CW STRIP 6000 K
2' Bars:	7	999045	25" CW STRIP 6000 K
1.5' Bars:	0	999046	17" CW STRIP 6000 K
1' Bars:	7	999047	13" CW STRIP 6000 K

3-Row GENERATION II Energy cost @ 4,380 hrs/yr @ \$.1219/Kwh: \$687 /yr  
 2-Row Fluorescent Energy cost @ 4,380 hrs/yr @ \$.1219/Kwh: \$1,917 /yr  
 3-Row Fluorescent Energy cost @ 4,380 hrs/yr @ \$.1219/Kwh: \$2,711 /yr

State Electric Rate Source: [http://www.eia.gov/electricity/monthly/xls/table\\_5\\_06\\_b.xlsx](http://www.eia.gov/electricity/monthly/xls/table_5_06_b.xlsx)

**SHARPLINE**  
 1444 S. Tyler Road • P.O. Box 9608  
 Wichita, KS 67227-0608  
 316-722-9080 • 800-888-4688  
 FAX: 316-721-1535 • [www.sharpline.com](http://www.sharpline.com)