



BAYLIGHTER®

MBL220 SERIES

Medium / High Bay Luminaire



- Medium / High Bay Compact Fluorescent Luminaire
- Auditorium, Commercial, Retail Applications
- 40W, 50W, 55W Biax Lamp
- Powder Coated Finish / Painted After Fabrication
- 95% Enhanced Specular Aluminum Reflectors
- Frame & Lens Assembly With Safety Cables
- Up To 6 Levels Switching
- Available with:
 - 90% White Aluminum Reflectors
 - Variety of Lenses
 - Emergency Battery Pack
 - Sensor



Photometric Data and IES Files are Available on www.lalighting.com



LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731

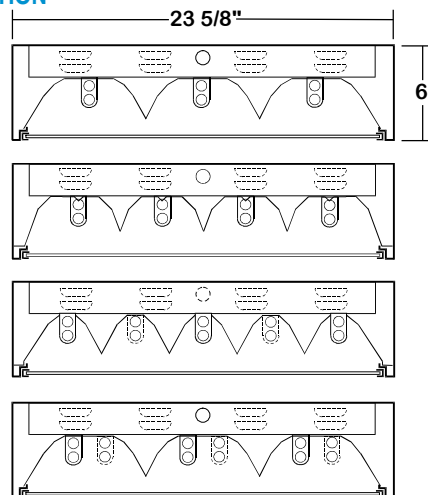
TEL : 626-454-8300 FAX : 626-454-8399

www.lalighting.com



MBL220 SERIES

CROSS SECTION

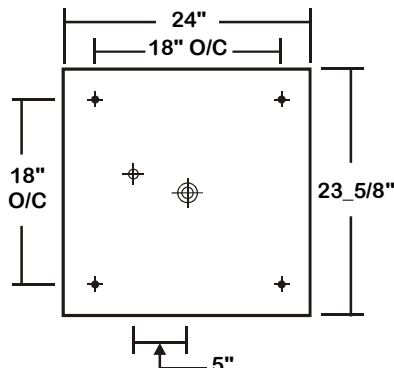


CATALOG NUMBER

CATALOG NUMBER	NOMINAL WIDTH X LENGTH	TOTAL LAMPS
MBL220-3-2B	2' X 2'	3
MBL220-4-2B	2' X 2'	4
MBL220-5-2B	2' X 2'	5
MBL220-6-2B	2' X 2'	6

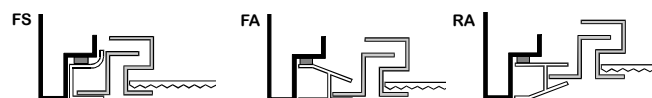
BACK PLATE

- + 11/16" STEM MTG. K.O.
- ⊕ 2" K.O.
- ⊖ 7/8" OFFSET K.O.



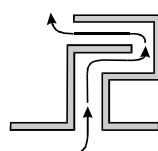
DOOR FRAME INFORMATION

CROSS SECTION



AIR SLOT

Formed air slot, allows air circulation for heat removal.



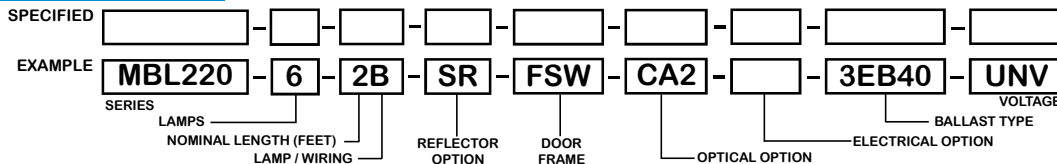
FINISHES

- W - White Enamel
- B - Black Enamel

STYLES

- FS - Flat Steel
- FA - Flat Extruded Aluminum
- RA - 5/8" Regressed Extruded Aluminum

ORDERING GUIDE



NOTE: LAMP/WIRING*
B= Compact Twin Tube

OPTIONS AND ACCESSORIES

REFLECTOR OPTIONS

- Specular Aluminum Reflector (95%)
- White Aluminum Reflector (90%)

SUFFIX

- SR
- WR

OPTICAL OPTIONS

- Clear Acrylic .125
- Clear Prismatic Acrylic .125
- * Other Lens Available Upon Request

SUFFIX

- CA2
- PA2

ELECTRICAL OPTIONS

- Emergency Battery Pack
- External Line Fusing (HLR/GLR)
- Radio Interference Filters
- Motion Sensor

SUFFIX

- BP*
- ELF
- RIF
- MS

BALLAST OPTIONS

- Electronic 40W Compact Twin Tube
- Electronic 50W Compact Twin Tube
- Electronic 55W Compact Twin Tube

SUFFIX

- EB40
- EB50
- EB55

ACCESSORIED

- Ceiling Spacers

CAT. NO.

*

*See appropriate reference page

SPECIFICATIONS

TYPE

Surface mounted, general area luminaire for medium bay / high bay applications. 5-lamp and 6-lamp fixtures with 50w or 55w lamps and ballasts must be spaced a minimum of 1/2" from ceiling when surface mounted.

CONSTRUCTION

20 gauge cold rolled steel housing. Welded construction with louvered vents on each side for heat removal.

FINISH

Baked white powder coated finish, minimum reflectance 90%, painted after fabrication.

REFLECTOR

Enhanced aluminum reflectors, 95% reflectance.

DOOR FRAME

20 gauge cold rolled steel or extruded aluminum in various finishes. T-hinges and positive spring loaded latches. Safety cables attached.

OPTICS

Available with various clear or prismatic acrylic lenses, or louvers.

WIRING

120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.

LABELS

Up to 6 levels of switching available as specified.


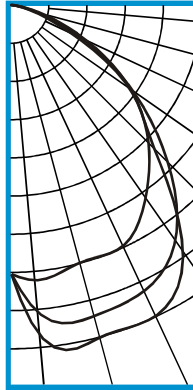
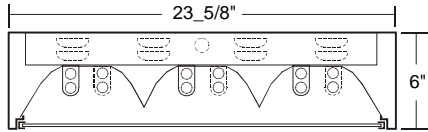
U.L. Listed. Suitable for damp locations.



PHOTOMETRIC DATA

MBL220-6-2B-SR-FSW-CA2-EB40

TEST NO.=LA-T0297
 LAMP TYPE=F40BX
 NO. OF LAMP=6
 LUMENS PER LAMP=3150
 WATTS PER LAMP=40
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C

CANDLEPOWER			
ANGLE	END	45	CROSS
0	4497	4497	4497
5	4615	5159	5547
15	4452	5374	5743
25	1132	5263	5723
35	3910	4776	4989
45	3234	3683	3365
55	2414	2451	2390
65	1358	1274	1065
75	485	384	319
85	56	41	36
90	0	1	0
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0


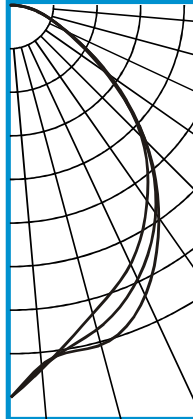
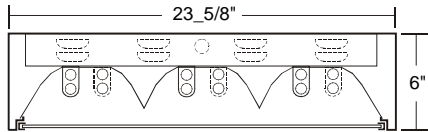
ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	4362	23.1	31.6
0-40	7260	38.4	52.5
0-60	12141	64.2	87.8
0-90	13826	73.2	100.0
90-120	0	0.0	0
90-150	0	0.0	0
90-180	0	0.0	0
0-180	13826	73.2	100.0

Lumen Output = 13826 lumens
 Luminaire Efficiency = 73.2%

SPACING CRITERION	
ALONG	ACROSS
1.35	1.54

MBL220-6-2B-SR-FSW-PA2-EB40

TEST NO.=LA-T0298
 LAMP TYPE=F40BX
 NO. OF LAMP=6
 LUMENS PER LAMP=3150
 WATTS PER LAMP=40
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C

CANDLEPOWER			
ANGLE	END	45	CROSS
0	5861	5861	5861
5	5446	5427	5388
15	4765	5010	5252
25	4252	4502	4768
35	3551	3773	3852
45	2754	2821	2823
55	1741	1764	1693
65	911	908	888
75	472	468	468
85	146	143	140
90	13	9	14
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	4026	21.3	34.6
0-40	6373	33.7	54.8
0-60	10107	53.5	87.0
0-90	11620	61.5	100.0
90-120	3	0.0	0
90-150	3	0.0	0
90-180	3	0.0	0
0-180	11623	61.5	100.0

Lumen Output = 11623 lumens
 Luminaire Efficiency = 61.5%

SPACING CRITERION	
ALONG	ACROSS
1.35	1.54

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