22" ALUMINUM
EXT SERIES

LUMEN MAX
HIGH BAY LUMINAIRES

ALEXT22LX

APPLICATION
22" Lumen Max LX series performance pendant for low, mid-bay and high-bay applications. Aluminum reflector designed for maximum downlight.

FEATURES
Extruded Fixture Housing (EXT) features a clean and modern design. Single-stage optical system for smooth light distribution. LED module and driver designed for ease of maintenance and replacement. Posi-lock reflector retention ring will absorb shocks and impact. Optional safety cable. Variety of optical lenses and mounting methods.

FINISH
Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion. Standard Matte White interior finish on reflectors.

ELECTRONICS
LED system features high brightness white Nichia LEDs. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Variety of electronic 120V/277V and dimming drivers. LED module is 2 circuit with 2 drivers for multi circuit option as well as safety.

CONSTRUCTION
Extruded and machined 6063-T5 aluminum housing. Graphite gasket for optimal thermal management. Die-cast aluminum heat sink. Reflector made of spun .060" aluminum.

CODE COMPLIANCE
BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.
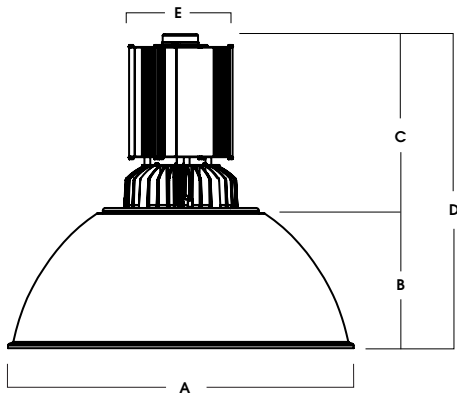
A	B	C	D	E
22.4 569.0 mm	9.0 228.6 mm	12.5 317.5 mm	21.5 546.1 mm	6.6 167.6 mm

Fixture Weight: 15.0 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
ALEXT22LX65L	6500	5684	60	95
ALEXT22LX100L	10000	8946	88	102
ALEXT22LX130L	13000	11996	117	103
ALEXT22LX140L	14000	12956	126	103

SERIES	LUMENS[1]	CCT	DRIVER / DIMMING[3]	OPTIONS[4]	MOUNTING[5]	REFLECTOR	DIFFUSER OPTIONS		GUARD OPTION	FINISH[10]
ALEXT22LX	**65L** 6500 Lm **100L** 10000 Lm **130L** 13000 Lm **140L** 14000 Lm	**27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K	**EX** Electronic Driver, 120V/277V **DS10X** 10%, 0-10V, 120V/277V **DO10X** 1%, 0-10V, 120V/277V **DO103** 1%, 0-10V, 347V	SAFETY OPTIONS **FS** Fusing **2CIR** 2 Circuit **SC1** Safety Cable **SC2** Safety Cable Reflector to door EMERGENCY BATTERY OPTIONS **EMCR** 10W Canopy Mounted EM **EMRM** 7W Remote EM **EMEN** 7W Remote with Enclosure	**HM**[6] Hang Straight **AT**[6] Hang Straight All Thread **PM**[6] Rigid Pendant Mount **CD**[6] Cord / Cable Mount **HC**[6] Hook & Cord **NM2**[7] ½" NPT Hub **NM3**[7] ¾" NPT Hub	**AL22/MWI**[8] Matte White Inside **AL22/FCI** Fixture Color Inside	**TF3 - 6" Frosted Diffuser** (CANNOT BE USED WITH DR OPTION) DOOR **DR22A**[9] 22" Spun Door	LENS **CNFR** Conical Frosted Lens **CN** Conical Lens **DL** Drop Lens **FO** White Optical Acrylic **PP** Prismatic Polycarbonate **PC** Clear Polycarbonate	**WAG22** 22" Wire Guard (CANNOT BE USED WITH DR OPTION)	**MW**[11] Matte White **MB**[11] Matte Black **PT**[11] Platinum Silver **CC** Custom Color See Page 5 for Full Range of Color Options (83-90081)

EXAMPLE: ALEXT22LX100L35KEX/PM48/AL22/MWI/DR22AFO/MW

NOTES:
1 Nominal Source Lumens at 35K **2** Nominal Delivered Lumens at 35K with AL22, No Lens **3** Contact Factory for Additional Options **4** See Product Options Page For Details **5** See Mounting Page for Details on Components and Finishes **6** Specify Length in Inches: See Mounting Page for Available Lengths **7** Mounting Supplied by Others **8** Reflector Finished Matte White with Finish Color Out **9** Same Finish as Housing **10** See Color Page for More Options / Consult Factory for Special Finishes **11** Standard Finishes

SPECTRUM LIGHTING INC.

PROJECT:

TYPE:

ETL INTERTEK LISTED · 5 YEAR WARRANTY · MADE IN THE USA

Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

83-20052_RD

22" ALUMINUM

EXT SERIES / FIXTURE OPTIONS

STANDARD FINISHES

MW
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER

MOUNTING TYPES

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT
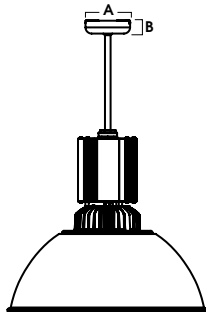
A	B
5.0	1.5
127 mm	38.1 mm

CD
CORD / CABLE MOUNT
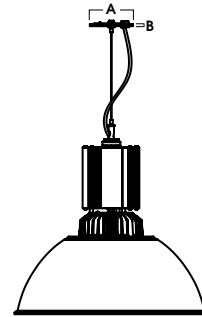
A	B
5.0	.25
63.5 mm	6.35 mm

HC
HOOK CORD
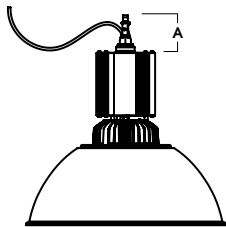
A
4.0
101.6 mm

NM
NO MOUNT
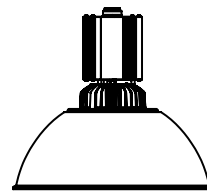
MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

LUMEN MAX
HIGH BAY LUMINAIRES

ADDITIONS

FS - FUSING

Slow blow type fuse protects fixture against voltage surges. Factory installed.

LSP10 - SM - SURGE PROTECTOR

Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.
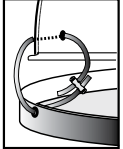
surge protector

SAFETY CABLE OPTIONS

SC1 - SAFETY CABLE

1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements. Rated at 50 lbs.
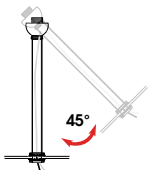
SC2 - SAFETY CABLE
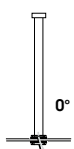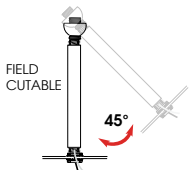
1/16" Stainless steel cable holds door to fixture

OPTIONS

DIFFUSER

TF3-6" Frosted Diffuser

DOOR

DR22A-22" Spun Door

LENSES

CNFR-Conical Frosted Lens
CN-Conical Lens
DL-Drop Lens
FO-White Optical Acrylic
PP-Prismatic Polycarbonate
PC-Clear Polycarbonate

DR22A SHOWN WITH CN

GUARD OPTION

WAG22-22" Wire Guard
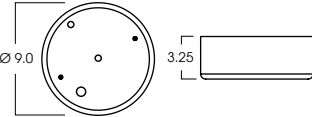
MOUNTING TYPES

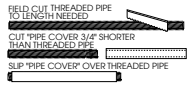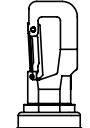| **HM*** HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP	**PM*** RIDGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP	**AT**** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP	**CD** CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE	**HC** HOOK & CORD FOR INDEPENDENT MOUNTING	**NMX** 1/2" NPT Hub 3/4" NPT Hub FOR INDEPENDENT MOUNTING
45°	**0°**	FIELD CUTABLE **45°**	**ADJUST AND LOCKS**		
ORDER: **HM** (Length) SPECIFY LENGTH:	ORDER: **PM** (Length) SPECIFY LENGTH:	ORDER: **AT** (Length) SPECIFY LENGTH:	ORDER: **CD** (Length) SPECIFY LENGTH:	ORDER: **HC** (Length) SPECIFY LENGTH:	ORDER: **NMX** (Length) SPECIFY LENGTH:
HM3 - 3" **HM24 -** 24" **HM6 -** 6" **HM36 -** 36" **HM12 -** 12" **HM48 -** 48" **HM18 -** 18" **HM72 -** 72" HMLC(XX) Custom Length (Specify in Inches)	**PM3 -** 3" **PM24 -** 24" **PM6 -** 6" **PM36 -** 36" **PM12 -** 12" **PM48 -** 48" **PM18 -** 18" **PM72 -** 72" PMLC(XX) Custom Length (Specify in Inches)	**AT12 -** 12" **AT24 -** 24" **AT36 -** 36"	**CD36 -** 36" **CD72 -** 72" **CD144 -** 144" CDLC(XX) Custom Length (Specify in Inches)	**HC36 -** 36" **HC72 -** 72" **HC144 -** 144" HCLC(XX) Custom Length (Specify in Inches)	**NM2(12) -** 12" Leads are Standard **NM3(12) -** 12" Leads are Standard NMXLC(XX) Custom Length (Specify in Inches)

FIELD CUT THREADED PIPE TO LENGTH NEEDED
CUT "PIPE COVER" 3/4" SHORTER THAN THREADED PIPE
SLIP "PIPE COVER" OVER THREADED PIPE

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36".
LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

EMERGENCY BATTERY OPTIONS
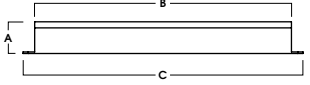
EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

Ø 9.0   3.25
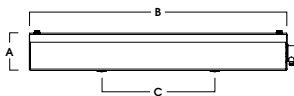
REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (50' MAX)

A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50' MAX)

A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

SPECTRUM LIGHTING INC.

83-20052_RD

22" ALUMINUM
EXT SERIES / PHOTOMETRIC DATA

LUMEN MAX
HIGH BAY LUMINAIRES

ALxxx22LEDLX

CANDLEPOWER CURVE

Delivered Lumens: 12,995
Luminaire Watts: 126
LER: 103.13

CP at 0deg (Nadir): 6,928
CRI: 85

INTENSITY

Angle	Intensity
0.00°	
0.00°	6,928
20.00°	5,503
40.00°	4,344
60.00°	542
80.00°	185
90.00°	4

ZONAL LUMENS

Zone	Lumens	%
0° - 10°	717	6%
0° - 20°	2,341	18%
0° - 30°	4,726	36%
0° - 40°	7,613	59%
0° - 60°	12,120	93%
0° - 80°	12,902	99%
0° - 90°	12,995	100%
Total	12,995	100%

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor
10.0 '	69 fc
12.0 '	48 fc
14.0 '	35 fc
16.0 '	27 fc
20.0 '	17 fc
24.0 '	12 fc
28.0 '	9 fc
32.0 '	7 fc

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC [+]	W/Sq. Ft.	FC [+]	W/Sq. Ft.
22'	16' [*]	50	0.52	26	0.34
26'	18' [**]	32	0.33	37	0.48
32'	20' [***]	27	0.28	22	0.28
Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		78 FC per W/Sq. Ft.	

2' Suspension Length
Square rooms used for multiple units:
- RCR 2: Length & Width = Ceiling Ht. -6.5' x 5.00
- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50
[+] Average Footcandles at 2.5' Above Floor
[*] Exceeds spacing criteria by -2%
[**] Exceeds spacing criteria by -12%
[***] Exceeds spacing criteria by -25%

Lamp Multiplier: 65L x 0.47, 100L x 0.71, 130L x 0.93
CCT Multiplier: 40K x 1.03, 30K x 0.979, 27K x 0.959

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
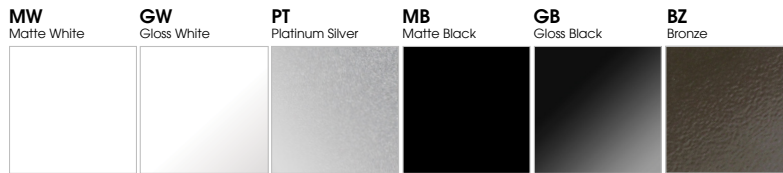SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.

SPECTRUM
POWDER COAT COLORS

STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	$	🕐
Tier 2 - Typical Finishes	$$	🕐🕐
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW	GW	PT	MB	GB	BZ
Matte White	Gloss White	Platinum Silver	Matte Black	Gloss Black	Bronze

TIER 2 - TYPICAL FINISHES

TW	TB	MT*	OB*	SN	CO	BR	GH	CH	AL	VE
Textured White	Textured Black	Textured Silver	Oil Rubbed Bronze	Sun Gold	Copper Metallic	Brecchia	Graphite	Charcoal	Almond	Verde Green

BL	RD	OR	CM	PL	PG	TQ	SF	PK	AY	EG
Blue Streak	Red Baron	Orange	Camel	Purple	Pub Green	Turquoise	Sea Foam	Pink	Aero Yellow	Evergreen

LG	LB	BY	AK	AM	AZ	AS	AN	AC
Lime Green	Light Blue	Burgundy	Anodic Black	Anodic Malachite	Anodic Bronze	Anodic Sapphire	Anodic Natural	Anodic Champagne

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color

CC

*UNAVAILABLE FOR WET LOCATION

SPECTRUM LIGHTING INC.

83-90081_RA