Advantage Environmental Lighting

BASTILLE
PRISON GRADE

BAD Recessed LED Prison Grade

RECESSED FLANGE
1x1,1x2,1x4
2x2,2x4
Inset Door
Wet Location

ELECTRICAL SYSTEM
Electronic driver 120-277V.

OPTICAL SYSTEM
Choice of prismatic acrylic, prismatic polycarbonate or prismatic tempered glass on fixture side, clear polycarbonate or clear tempered glass on environmental side. Lens secured by thru-studs and vertically adjustable internal CRS hold-downs.

LISTINGS
UL listed for damp locations. Wet location under covered ceiling optional.

MOUNTING
Eye-bolt kit for 4-point attachment to rigid structure above, included standard. Specify optional Yoke Mounting Frame or Swing-Out Brackets.

FINISH
High gloss, electrostatically applied, white powder coat finish, average minimum reflectance 92%

HOUSING
Die-formed CRS body with welded corners to form a one-piece housing which prevents contraband concealment and unauthorized fixture penetration.

LED
80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is 100,000 hours at 70% lumen maintenance.

DOORFRAME GASKET
One-piece closed cell silicone gasket seals doorframe to housing.

HINGE
Fixture provided with (2) stainless steel aircraft cables to attach door to housing. Concealed piano hinge optional.

DOOR
One-piece, CRS door frame (12, 14, 16, or 18 ga.) with die-formed edges and tightly closed corners increases rigidity. Aircraft cable secures door to housing.

WARRANTY
5 - Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty

STANDARD	OPTIONAL
UL	LUTRON / WET location

DESCRIPTION

The BAD LED combines maximum security construction features with energy saving technology. The BAD LED is ideal for confinement/security applications. Suitable for use in inmate cells, psychiatric wards, secure corridors and general population areas. This Recessed Flange luminaire utilizes a one-piece overlapping door frame, security lensing and tamper-resistant fasteners to maximize impact-resistance and prevent contraband concealment and unauthorized fixture penetration. UL listed for damp locations.

FASTENERS

Stainless steel tamper-resistant T20 TORX screws standard. Allen-head screws with center reject pin optional.

Output	Delivered Lumens	System Wattage	L70 @20C (hrs)
SL	4650	33	>100K
ML	7974	57	>100K
HL	11150	80	>100K
SM	12040	86	>100K
MM	13016	93	>100K
HM	15728	112	>100K
SH	16500	118	>100K
MH	20000	143	>100K
HH	25000	179	>100K

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

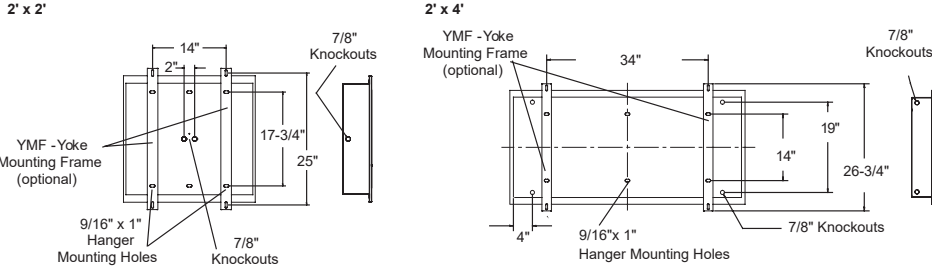* Delivered Lumens shown were tested with 4000K LEDs and ASR (asymmetric/symmetric grid) lens.

Advantage Environmental Lighting

Series		CCT		Illumination Level		Housing	
BAD1	1x1	27	2700K	SL	Standard Low	B12	Cold Roll 12 Gauge Steel
BAD12	1x2	30	3000K	ML	Medium Low	B14	Cold Roll 14 Gauge Steel
BAD14	1x4	35	3500K	HL	High Low	B16	Cold Roll 16 Gauge Steel
BAD22	2x2	40	4000K	SM	Standard Medium	B18	Cold Roll 18 Gauge Steel
BAD4	2x4	50	5000K	MM	Medium Medium	B20	Cold Roll 20 Gauge Steel
				HM	High Medium	SH14	Stainless Steel 14 Gauge
				SH	Standard High	SH16	Stainless Steel 16 Gauge
				MH	Medium High	SH18	Stainless Steel 18 Gauge
				HH	High High	SH20	Stainless Steel 20 Gauge

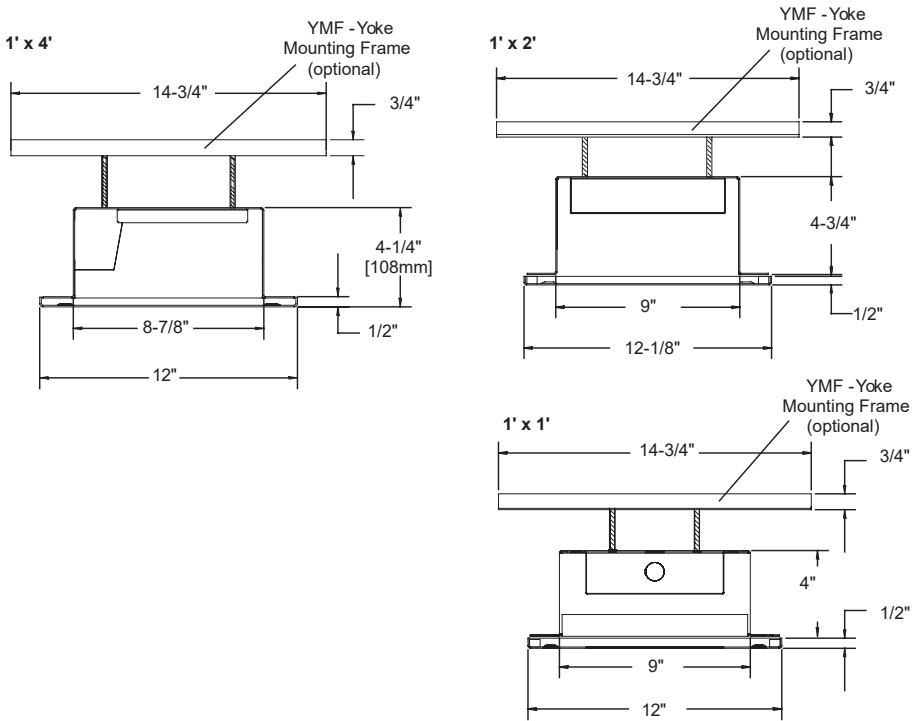| Door Type		Outer Lens		Inner Lens	
B12	Cold Roll 12 Gauge Steel	N	No Lens	N	No Lens
B14	Cold Roll 14 Gauge Steel	125P	.125 Clear Poly.	125C	.125 Pris. Acrylic
B16	Cold Roll 16 Gauge Steel	156P	.156 Clear Poly.	CP25	.125 Pris. Poly.
B18	Cold Roll 18 Gauge Steel	187P	.187 Clear Poly.	CP87	.187 Pris. Poly.
B20	Cold Roll 20 Gauge Steel	25P	.250 Clear Poly.	TG	.156 Pris. Temp. Glass
SH14	Stainless Steel 14 Gauge	375P	.375 Clear Poly.	156C	.156 Pris. Acrylic
SH16	Stainless Steel 16 Gauge	F1	.187 Clear Temp.Glass	G2	.140 DR Acrylic
SH18	Stainless Steel 18 Gauge	G1	.250 Clear Temp.Glass	H2	.125 White Frosted Polycarbonate
SH20	Stainless Steel 20 Gauge	H1	.375 Clear Temp.Glass	FA	.125 Frosted Acrylic

SERIES NO. CONTINUED...

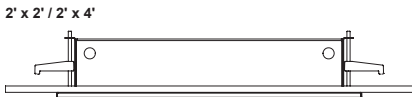| Voltage		Driver		Options	
M	120/277V	SD	Step Dimming	12EBL	1200 Lumen Emergency Ballast
		EDD1	Electronic Driver 1-10V Dimming 10%	AH	Allenhead Screws with center pin reject
		EDD0	Electronic Driver 0-10V Dimming 1%	LN	LED Night Light. Consult factory for available color/temps
		LDE1	Lutron Hi-lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black	FZ	Fuse Holder
		LDE5	Lutron 5-Series EcoSystem LED Driver	WL	Wet Location
				UV	.005 UV Absorbing Overlay
				PF	Plaster Frame & Yoke
				CB	Cross Bar
				PH	16 Gauge Full Length Piano Hinge Door Frame
				B14	Cold Roll 14 Gauge Steel Housing
				AP	Anti-microbial Matte White Finish
				VDO	Lutron Vive Integral RF controller with daylight and occupancy sensing.
				120FCJS0	Lutron Vive attached RF fixture controller 0-10V/277V

Advantage Environmental Lighting

2' WIDTH TYPICAL MOUNTING DETAIL / SHOWN WITH OPTIONAL YOKE MOUNTING FRAME - YMF

2' x 2'

14"
2"
7/8" Knockouts
YMF - Yoke Mounting Frame (optional)
17-3/4"
25"
9/16" x 1" Hanger Mounting Holes
7/8" Knockouts

2' x 4'

YMF - Yoke Mounting Frame (optional)
34"
7/8" Knockouts
19"
14"
26-3/4"
4"
9/16" x 1" Hanger Mounting Holes
7/8" Knockouts

1' WIDTH CROSS-SECTION DIMENSIONS / SHOWN WITH OPTIONAL YOKE MOUNTING FRAME - YMF

1' x 4'

YMF - Yoke Mounting Frame (optional)
14-3/4"
3/4"
4-1/4" [108mm]
8-7/8"
1/2"
12"

1' x 2'

YMF - Yoke Mounting Frame (optional)
14-3/4"
3/4"
4-3/4"
9"
1/2"
12-1/8"

1' x 1'

YMF - Yoke Mounting Frame (optional)
14-3/4"
3/4"
4"
1/2"
9"
12"

2' WIDTH OPTIONAL SWING-OUT BRACKET (SWBR)

2' x 2' / 2' x 4'

2' WIDTH CEILING CUTOUT DIMENSIONS

Ceiling Cutout	Width	Length
2' x 2'	23-1/4"	24-1/4"
2' x 4'	23-1/4"	48-1/4"

2' WIDTH CROSS-SECTION DIMENSIONS / SHOWN WITH OPTIONAL YOKE MOUNTING FRAME - YMF
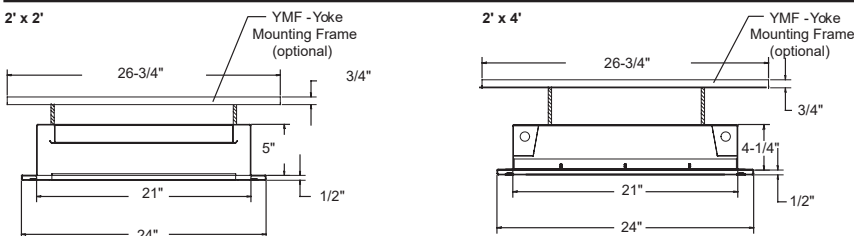
2' x 2'

YMF - Yoke Mounting Frame (optional)
26-3/4"
3/4"
5"
21"
1/2"
24"

2' x 4'

YMF - Yoke Mounting Frame (optional)
26-3/4"
3/4"
4-1/4"
21"
1/2"
24"

1' WIDTH TYPICAL MOUNTING DETAIL / SHOWN WITH OPTIONAL YOKE MOUNTING FRAME - YMF

1' x 4'

40-1/4"

7/8" Knockouts

7/8" Knockouts

12-3/4"

6-1/8"

YMF - Yoke Mounting Frame (optional)

9/16" x 1" Hanger Mounting Holes

1' x 1'

9"

7/8" Knockouts

7/8" Knockouts

4"

12-3/4"

2"

YMF - Yoke Mounting Frame (optional)

1' x 2'

22"

14-3/8"

7/8" Knockouts

7/8" Knockouts

9/16" x 1" Hanger Mounting Holes

12-3/4"

6-1/8"

YMF - Yoke Mounting Frame (optional)
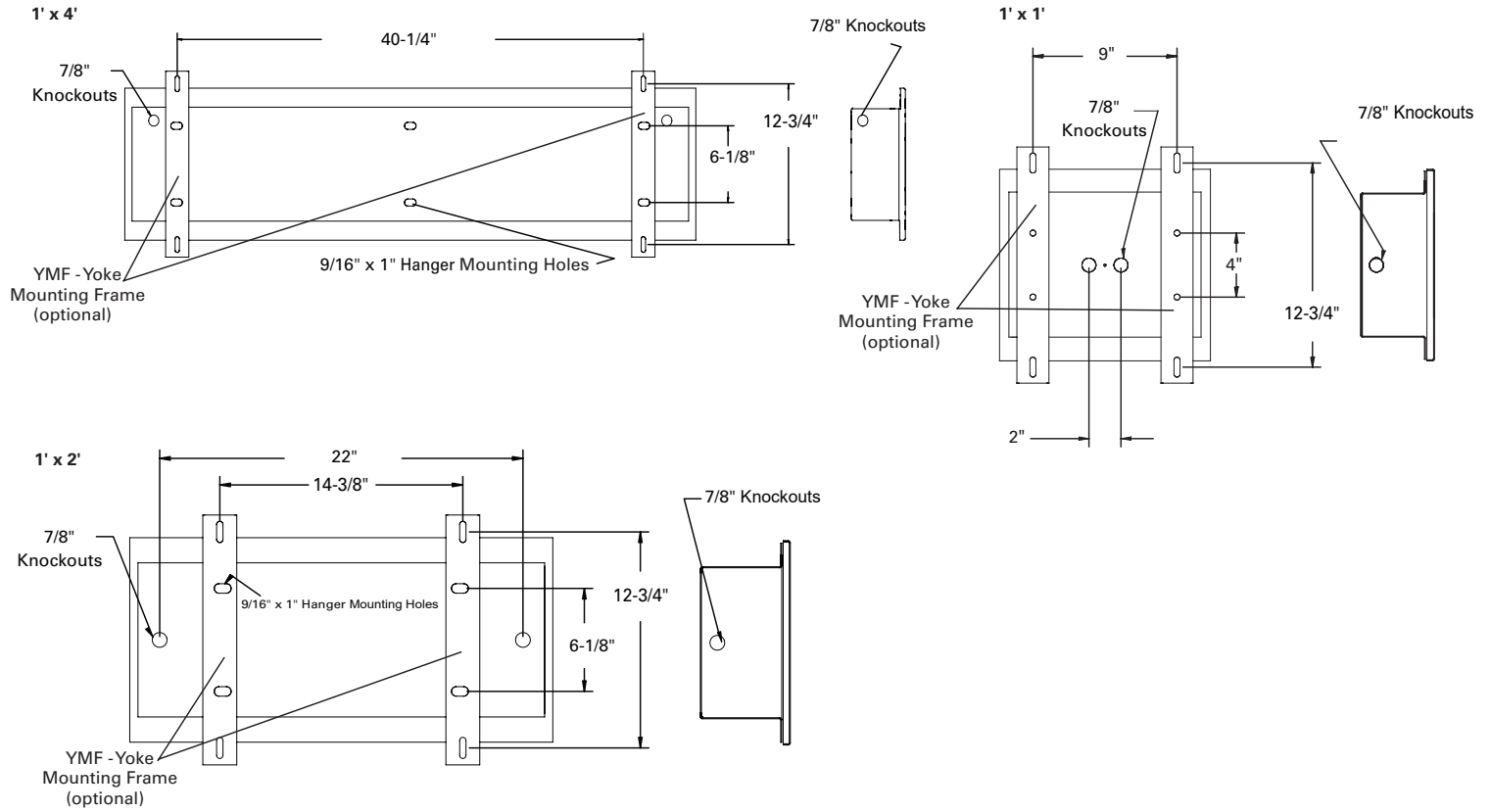
1' WIDTH OPTIONAL SWING-OUT BRACKET (SWBR)

1' x 1', 1' x 2', 1' x 4'
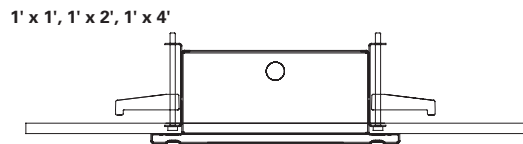
1' WIDTH CEILING CUTOUT DIMENSIONS

Ceiling Cutout	Width	Length
1' x 1'	10-1/2"	12-1/2"
1' x 2'	10-1/2"	24-1/2"
1' x 4'	10-1/2"	48-1/2"