

CATALOG #: _____

Type: _____

PROJECT: _____



FEATURES

- Meets the demanding requirements of behavioral health environments
- Architectural design with backlit curved lens and floating center detail creates a highly-aesthetic presence with comfortable illumination
- Durable polycarbonate lens and tamper-resistant screws provide protection in high-risk areas
- Ligature-resistant design with seam-welded fixture housing and inset door frame
- Smooth surface door frame and lens materials simplify cleaning and maintenance
- Closed cell foam gasketing in three locations meets all required testing criteria for ISO 5, Class 100 certification
- Anti-microbial finish suppresses the spread of dangerous micro-organisms, mold, and bacterial growth
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING** – 20-gauge die-formed, seam-welded C.R.S. standard. 18-gauge aluminum available.
- DOOR FRAME** – One-piece 20-gauge seam-welded C.R.S. 18-gauge aluminum available. Secured from one side with stainless steel safety cables. Attached to fixture using tamper-resistant stainless steel Torx T-25 screws, (1) tamper-resistant tool provided.
- SHIELDING** – Curved or straight diffuse acrylic insert with polycarbonate underlay.
- FINISH** – 92% minimum average reflective white anti-microbial powder coating bonded to phosphate-free, multi-stage pretreated metal. Salt spray tested, 1,000 hours (ASTM B117). All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL** – High-quality mid-power LED boards. L70 at 50,000 hours. 50/60hz, THD < 10%
- MOUNTING** – Flanged installations in drywall or hardpan ceilings. See page 3 for FIXTURE WEIGHTS.
- LISTINGS** –
 - cCSAus certified as luminaire suitable for wet location under covered ceiling
 - IC-rated for direct contact with insulation
 - IK10 rated
 - IP65 rated
 - ISO 5, Class 100 rated
 - City of Chicago Environmental Air approved
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: MCTAB F - 24 - L47/840 - CS - S C PC - OPTIONS - DRV - UNV

ORDERING INFO

SERIES	CEILING TYPE	WIDTH	LENGTH	LUMENS ^[1]	CRI	CCT
MCTAB	F Flange	2 2'	2 2'	2x2	8 80	27 2700K
			4 4'	L34	9 90	30 3000K
				L68		35 3500K
				2x4		40 4000K
				L59		50 5000K
				L118		11,800lm

HOUSING	DOOR FRAME	INSERT	SHIELDING
CS Cold rolled steel	S Cold rolled steel	C Curved floating	PC Clear polycarbonate underlay, .250" thick
AL Aluminum	F Aluminum	S Straight floating	

OPTIONS

EM/10W	10-watt emergency battery
(L____)	Additional lower lumen packages available ^[2]
	Example: 3,000 nominal lumens = MCTABF-24-L47/840-(L30)
AN	Amber night light
GLR	Fuse, fast blow, one per driver

CONTROL

DIM	Dimming driver, 0-10V
DRV	Non-dimming driver
DIM1	1% Dimming driver, 0-10V

VOLTAGE

UNV	120-277V
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NOTES

¹ Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.

² Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package. Lower lumen levels may not meet IES recommendations for patient rooms.



FIXTURE PERFORMANCE DATA

	LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
2x2	L34	3462	27.3	127
	L68	6779	58.5	116
2x4	L59	5964	46.3	129
	L118	11818	94.2	125

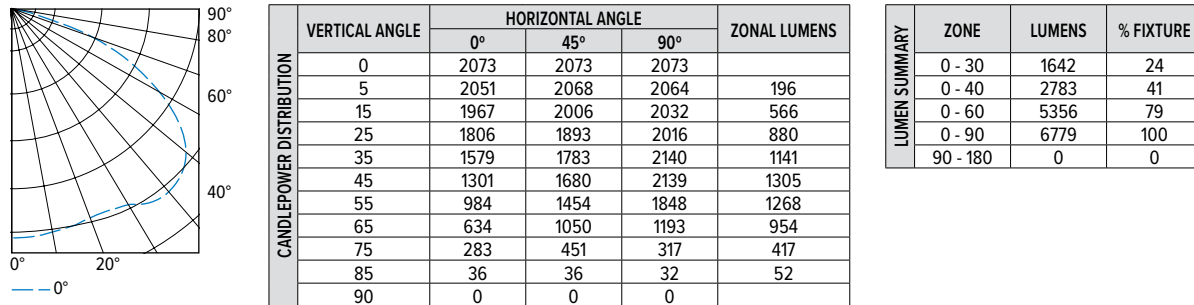
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

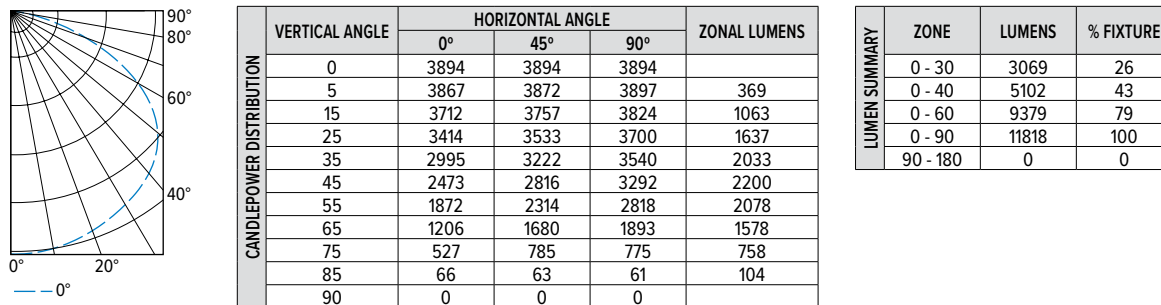
COLOR TEMPERATURE		
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.94
	3000K	0.96
	3500K	0.97
	4000K	1.00
	5000K	1.03
90 CRI	2700K	0.77
	3000K	0.79
	3500K	0.80
	4000K	0.83
	5000K	0.86

PHOTOMETRY

MCTABF-22-L68/840-CS-SCPC-DIM-UNV Total Luminaire Output: 6779 lumens; 58.5 Watts | Efficacy: 116 lm/W | 80 CRI; 4000K CCT

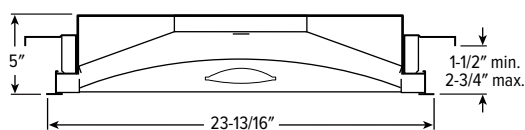


MCTABF-24-L118/840-CS-SCPC-DIM-UNV Total Luminaire Output: 11818 lumens; 94.2 Watts | Efficacy: 125 lm/W | 80 CRI; 4000K CCT

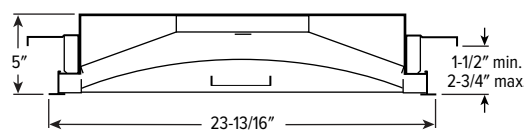


CROSS SECTIONS

C INSERT



S INSERT



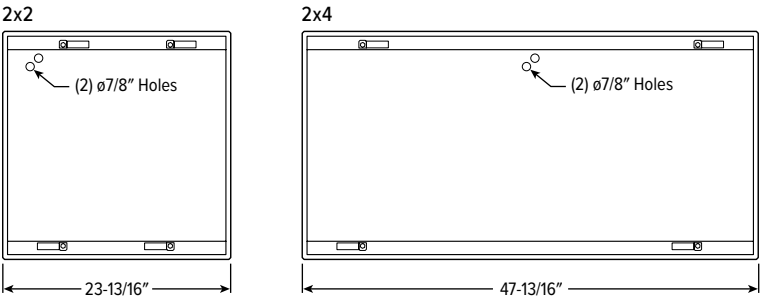
For continuous row mounting, add 47-13/16" for each additional fixture to obtain ceiling opening. 3/4" between end plates.

	ROUGH-IN	FINISH TRIM SIZE
2x2	22-7/8" x 22-7/8"	23-13/16" x 23-13/16"
2x4	22-7/8" x 46-3/4"	23-13/16" x 47-13/16"



FIXTURE DETAILS

BACK VIEWS



FIXTURE WEIGHTS

	HOUSING MATERIAL	DOOR MATERIAL	MAXIMUM WEIGHT
2x2	CS	CS	34 lb
		AL	32 lb
	AL	CS	28 lb
		AL	26 lb
2x4	CS	CS	56 lb
		AL	53 lb
	AL	CS	44 lb
		AL	41 lb

GASKETING DETAILS

