

AC MCT LED Medical Clean Room Troffer

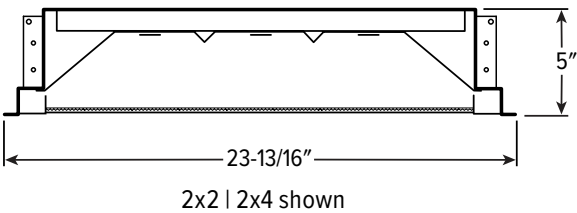
AGILE-CORE®
Distributed Edge Architecture

PROJECT:	QTY:
TYPE:	CATALOG:

SPECIFICATIONS:

Housing	20-gauge die-formed, seamwelded C.R.S. standard. 18-gauge aluminum available.
Shielding	Choice of frosted lens with smooth clear acrylic or polycarbonate underlay.
Door Frame	One-piece 20-gauge seamwelded C.R.S. 18-gauge aluminum available.
Electrical	High-quality mid power LED board.
Mounting	NEMA Type "G" 15/16" or 1-1/2" grid standard. Drywall flange type available.
Listings	• cCSAus certified as luminaire suitable for wet location under covered ceiling • IC-rated for direct contact with insulation* • IP65 rated • ISO 5, Class 100 rated • Suitable for use in BSL 1-4 laboratories in most applications (consult CDC) • NSF/ANSI 2 • Complies with MIL-STD-461G with DIM or DRV drivers • Complies with the Buy American Act and other federal regulations.
Warranty	5-year limited warranty

* Only available with 1x4: L40, 2x2: L34 and L65, 2x4: L60 and L121.



FEATURES:

- Designed to meet the demanding requirements of controlled environments
- Seam-welded fixture housing and doorframe are designed for infection control
- Smooth surface doorframe and lens materials simplify cleaning and maintenance
- Optional MIL-STD-461G complies with radiated and conducted emission regulations
- NSF approved closed cell foam gasketing in three locations meets all required testing criteria for ISO 5, Class 100 certification
- Anti-microbial white finish is standard
- Optional plenum panel allows access to the plenum space without disturbing the ceiling structure or compromising cleanroom integrity
- Made in the USA

CERTIFICATIONS



AC MCT LED

Medical Clean Room Troffer

ORDERING GUIDE:

Example Catalog # AC MCTG 24 L60/840 HE CS SAF12125 DCC FL

Family	Ceiling Type	Width	Length	Lumens ¹	/ CRI	CCT	Efficiency	Housing
AC MCT	G 15/16" or 1-1/2" grid	1 1' ³	2 2' ⁴	1x4 L40 4,000lm L79 7,900lm	8 80 9 90	30 3000K 35 3500K 40 4000K 50 5000K	HE high efficiency	CS Cold rolled steel AL Aluminum
	F Flange ²	2 2'	4 4'	2x2 L34 3,400lm L65 6,500lm L95 9,500lm				
				2x4 L60 6,000lm L121 12,100lm L208 20,800lm				

Door Frame		Shielding	Pwr/Control
S Cold rolled steel	AF12125	Pattern #12, .125" thick with acrylic underlay	DCC FL DC constant current w/ flying leads
	AF125	.125" thick with acrylic underlay	
	AF19156	Pattern #19, .156" thick with acrylic underlay	
F Aluminum	AF12125/PC	Pattern #12, .125" thick with polycarbonate underlay	
	AF125/PC	.125" thick with polycarbonate underlay	
	AF19156/PC	Pattern #19, .156" thick with polycarbonate underlay	

1 Lumen output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 3 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
2 See page 4 for CROSS SECTIONS.
3 4' length only.
4 2' width only.

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ACCESSORIES

ordered separately

TPTX-25 TOOL	Tamper-resistant tool for Torx T-25 screws.
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PERFORMANCE TABLE

MCT @ 80CRI, 3500K, AF12125 diffuser, HE Option

	LED Package	Delivered Lumens	Wattage	Efficacy (lm/W)	Control (sold separately)	LED Channels	LED Vf max (V)	LED If max/ch (mA)
1x4	L35	3,504	21	168	DCC	1	37	560
	L70	7,065	44	161		1	38	1150
2x2	L38	3,813	22	175		1	38	570
	L67	6,702	44	155		1	38	1150
2x4	L60*	6,020	44	138		1	38	1150
	L133	13,585	38	157		2	38	1150

* Standard LED modules

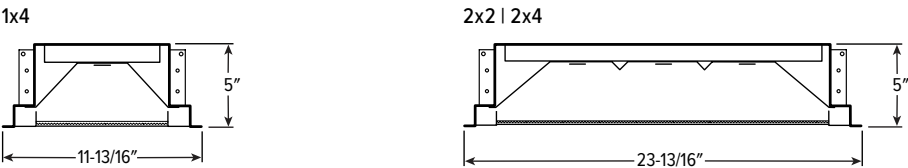
MULTIPLIER TABLE

	Color Temperature	
	CCT	Conversion Factor
80 CRI	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	3000K	0.83
	3500K	0.84
	4000K	0.86
	5000K	0.90

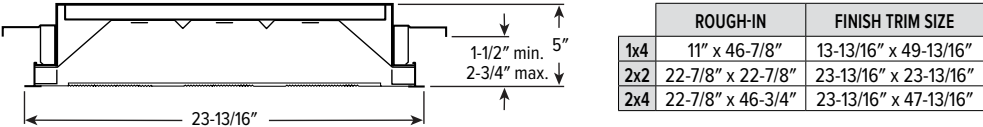
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier table to calculate additional options.

CROSS SECTIONS

G CEILING TYPE INSTALLATION

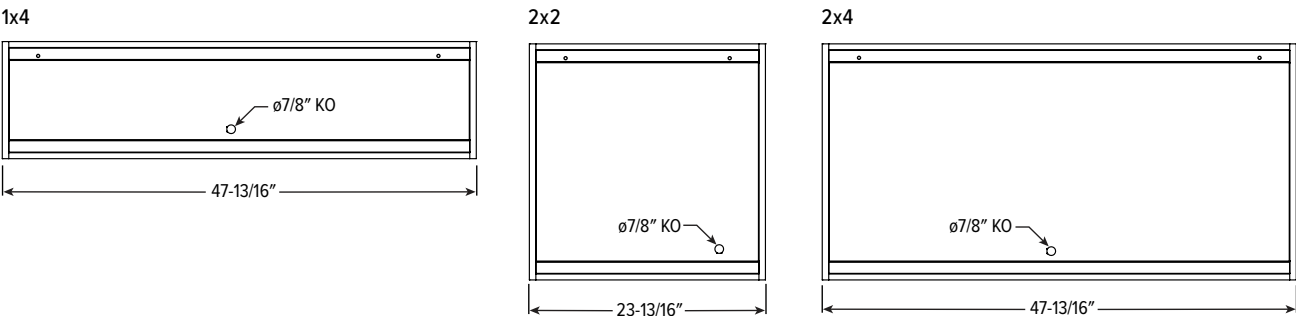


F CEILING TYPE INSTALLATION

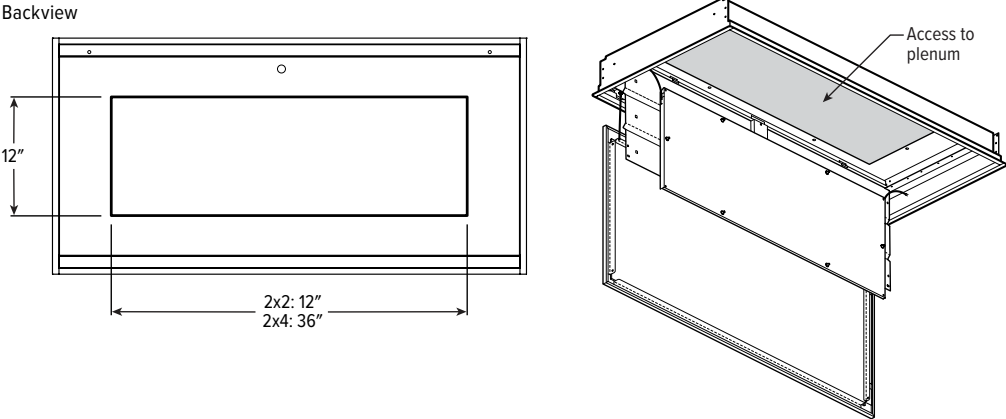


For continuous row mounting, add 47-13/16" for each additional fixture to obtain ceiling opening. 3/4" between end plates.

FIXTURE DETAILS



PA OPTION



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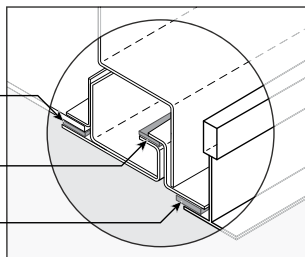
GASKETING DETAILS

T-BAR

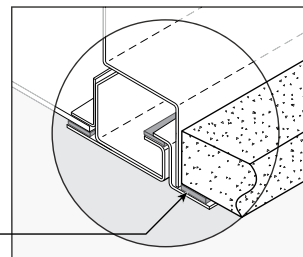
Shielding gasketing factory-installed between door frame and lens reduces dust and bug contaminants.

Door frame gasketing factory-installed between door frame and luminaire housing prevents light leak and reduces dust ingress.

Housing gasketing (supplied with fixture) field installed between bottom perimeter of fixture and T-bar ceiling seals plenum dust from the room.



DRYWALL



Between perimeter
of fixture and —
hardpan ceiling.

AGILE-CORE POWER DISTRIBUTION AND CONTROL SYSTEM

