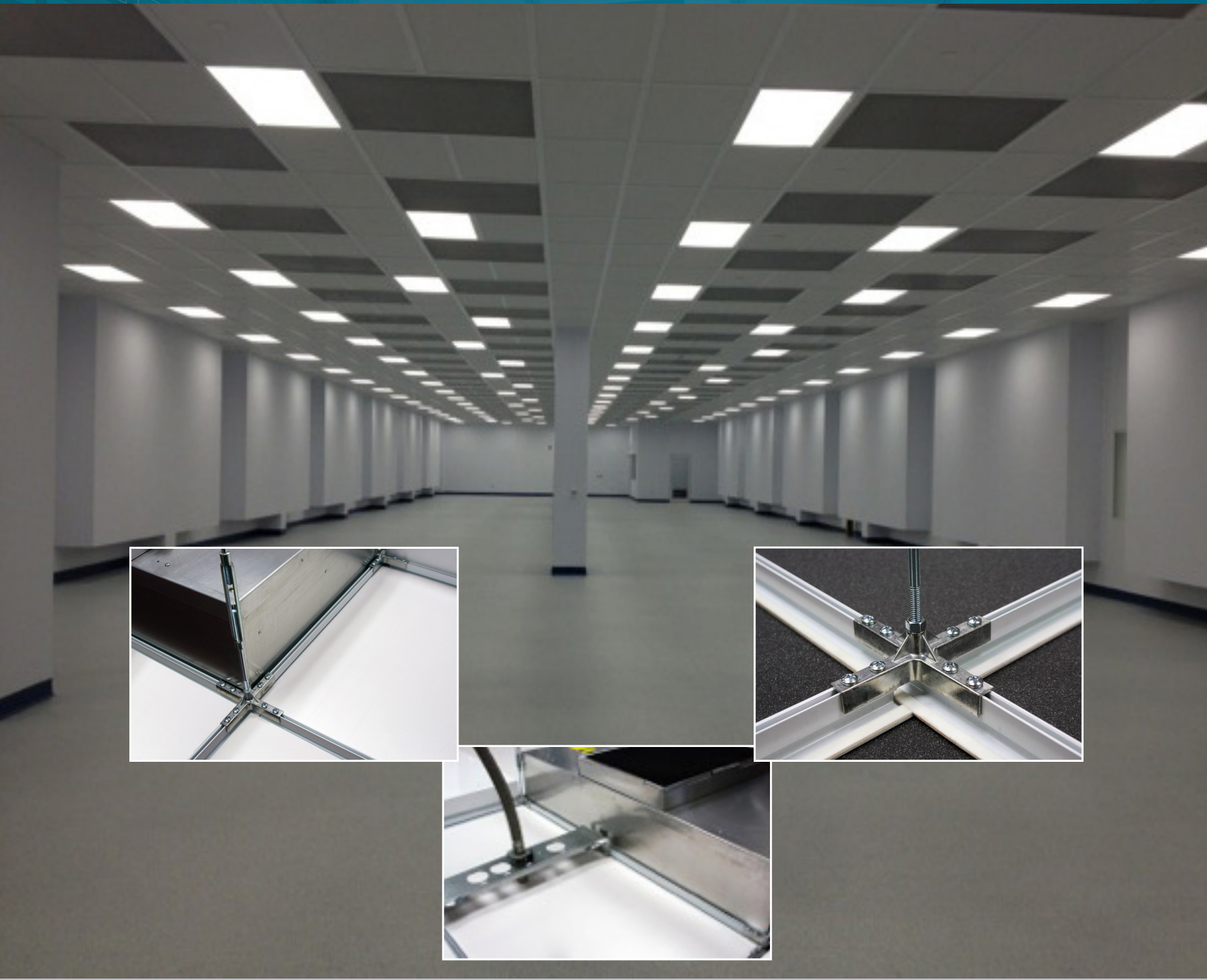


MAC-T

Ceiling Grid System for Cleanrooms



USED IN:

- NANO TECHNOLOGY
- MICROELECTRONICS
- MEDICAL DEVICE
- SEMICONDUCTOR
- DISK DRIVE
- LABORATORY
- PHARMACEUTICAL MARKETS
- HOSPITALS
- CLEAN ROOMS

 **ENVIRCO**[®]
Innovators in clean air technology

MAC-T Ceiling Grid System

2" Heavy Duty for Cleanroom

■ Introduction

ENVIRCO's cleanroom ceiling solution, a 2" Gasket Seal Grid Cleanroom Ceiling System is fabricated using superior materials to provide both a structural grid system and zinc alloy die-castings.

The building block of a cleanroom ceiling grid system is the connection and suspension system. ENVIRCO offers a true, extruded aluminum 2" cleanroom ceiling system. It is the most cost efficient system for cleanroom classes for ISO 8 (Class 100,000) to ISO 5 (Class 100), or any full HEPA coverage application.

ENVIRCO's rod suspended cleanroom ceiling systems share attributes that in combination create a common design platform. Customizing this system to meet your specific needs is easy and worry-free. Call one of our engineers today to discuss options and find the system that best meets your needs.

■ Standard Features

ENVIRCO's gasket seal grid ceiling system has a continuous 1/4-20 thread for connection and suspension at any point. It also has lightweight multi-purpose connectors that join the grid members, providing a suspension point for the threaded rods or wire-hung eye bolts.

- » 2" wide extruded aluminum flange for HEPA filter, ceiling tile, and light fixture mounting.
- » 3/8" thread rod and turnbuckle adjustable or 3/8" eye bolt and 12 ga. ceiling wire.
- » Full 2" face.
- » Painted white polyester finish, more durable than powder coating.
- » Gasketed (closed cell white).
- » Can be used with 100% HEPA coverage.
- » Can be used with cleanroom lights made for 2" grid or teardrop light fixtures.
- » Easy assembly.
- » Zinc alloy castings.
- » Center Line of Grid - 24 1/2" x 48 1/2"
- » Module, Fixture, and Ceiling Tile Size - 23 5/8"x 47 5/8"

■ Optional Feature

- » Clear anodized aluminum finish.

■ Warranty

- » Limited 1-year warranty.



■ ENVIRCO T-Grid Load Table

Deflection Formula	L/360	L/180	L/360
Hanger Spacing (Span)	48"	48"	24"
Main Tee Spacing	48"	48"	48"
Maximum Point Load (Lbs)	133	133	238
Maximum Uniform Load (Lbs/LF)	96	96	48
Applied Load (Lbs/SF) (Dead+Live with Filter)	24	24	24
Deflection at Mid-Span	1/8"	1/4"	1/16"

■ Forever Green LEED Benefits

Products contribute to LEED 2 credits available 59.3% recycled aluminum extrusions 51.5% pre-consumer content 7.8% post consumer content Finish Biodegradable pre-treatment (No phosphates) No hazardous waste No VOCs No heavy metals.

■ Forever Green & Tax Benefits

Our cleanroom ceiling materials are, and have always been, 100% reusable and recyclable. And since it is modular construction the cleanroom MAC-T ceiling system can be depreciated over 5-7 years as opposed to 39 years as required for conventional construction.

■ Combine with the MAC 10 FFU

The MAC 10[®] LEDC is a versatile fan filter unit that is designed for the most challenging cleanroom applications. It offers significant cost savings and electrical efficiencies for large cleanrooms.



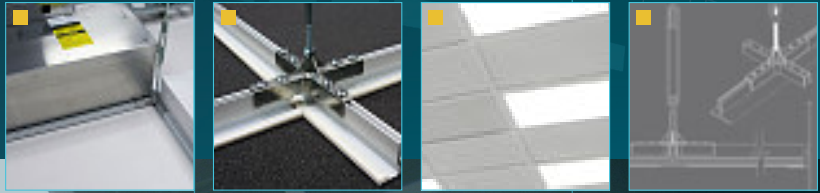
The MAC 10[®] LEDC 4x4 maximizes energy efficiencies with its exclusive backward blower wheel design. It provides 90 fpm airflow up to 1.0" wg static pressure levels enabling cleanroom projects to operate cost effectively. Fewer components mean lower installed costs. With use of the MAC 10[®] LEDC 4x4 unit, additional savings are captured in the ceiling plenum because less grid is required and fewer electrical connections are needed.



■ Simple Installation

- Shipped in standard lengths for you to easily cut and fit to your specifications.
- Available for wire hung installations or turnbuckle.
- Four, three, or two-way support casting can be supplied as required to position the grid.
- Easily laid out for top or front load designs.
- Designed to install into various wall systems by you selecting the proper hardware to mount to your ceiling structure.





Clean air solutions built for you.

MORE INFORMATION AVAILABLE AT WWW.ENVIRCO.COM

■ Industrial

Cleanroom Products

- » MAC 10 Original
- » MAC 10 IQ
- » MAC 10 IQ LAF
- » MAC 10 LEAC
- » MAC 10 LEAC2
- » MAC 10 LEDC
- » MAC 10 RFAC
- » Ducted Ceiling Module:
DCM & DCM-RSR
- » AC or DC Control Systems
- » MAC-T Ceiling Grid System

■ Hospital & Healthcare

Hospital & Healthcare

- » IsoClean® and IsoClean
with Ultraviolet Light
- » Hospi-Gard® AirCeil®
- » Hospi-Gard Room
- » Pressure Monitor

■ Pharmaceutical

Pharmaceutical & Medical Device

- » Unimodule M2 Vertical
Laminar Flow Workstation
- » METD 100% Exhausted
Vertical Flow Workstation
- » Laminar Downflow Module

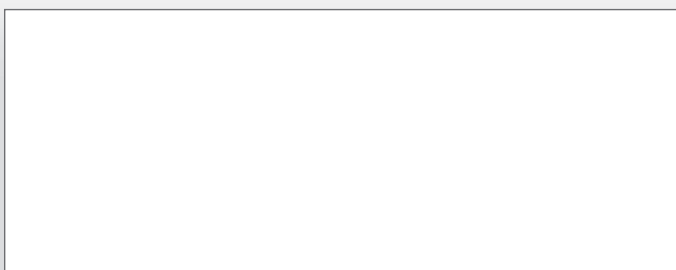
■ Laboratory & Research

Laboratory & Research

- » Unidirectional Flow
Horizontal Flow Bench (LF)
- » Table Top Horizontal Flow
Clean Bench (TT)
- » EnviraLab Sterility Module
(ESM)

ENVIRCO® MAC 10® and VE5 are registered trademarks of ENVIRCO®, USA. Specifications subject to modifications or changes without notice. US patents 4,560,395 and 5,470,363. Other patents issued and pending in foreign countries. Special thanks to Connect2Cleanrooms for cleanroom photography.

Provided by Your Local ENVIRCO Representative:



ENVIRCO®

101 McNeill Road | Sanford, NC 27330, USA

tel: 919.775.2201 | toll free: 800.884.0002 | fax: 800.458.2379

www.envirco.com | email: info@envirco.com

 **ENVIRCO®**
Innovators in clean air technology