

# Health Lab at MaRS Discovers the Benefits of Kenall's IP-rated Containment Room Lighting

Project: Public Health Lab, MaRS Discovery District  
Location: Toronto, Ontario, Canada  
Project Engineers: Merrick & Company  
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Biosafety lab at MaRS Discovery District, Toronto, Ontario, Canada

## Project Summary

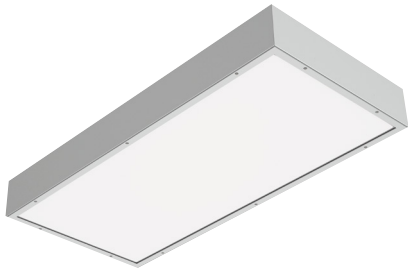
**Challenge:** MaRS Discovery District Phase II required IP and containment-rated luminaires for the Containment Level 3 (CL3) section of the laboratory.

**Solutions:** Kenall SimpleSeal™ CSE Inset Door Series in laboratories, EnviroPro™ EPLB sealed LED High/Low Bay luminaires in the effluent decontamination room, and Millenium™ Metrex™ METEL sealed emergency exit lights.

**Benefits:** IP65-rated luminaires reduce maintenance and costly shutdown, and, in particular, prevent the labs from requiring frequent, expensive recertification to Containment Level 3 (CL3) standards. The stainless steel frames are resistant to vaporized hydrogen peroxide (VHP), which is used to decontaminate the lab.

# Sealed Luminaires Help Sensitive Areas Stay Clean and Safe

MaRS Discovery District, Toronto, Ontario, Canada



SimpleSeal™ CSE Inset Door

The MaRS Discovery District (also known as MaRS 2) in Toronto is an exciting innovation hub that brings entrepreneurs, educators, researchers, scientists and business leaders together to nurture and commercialize new technology and business solutions. Originally created to focus on medical and related sciences, it now embraces three additional industries, including social innovation; information technology, communications and entertainment; and physical science, engineering and clean technology.

Two key environments of the MaRS Discovery District are Containment Level (CL) 2 and CL3 and laboratory spaces, including wet labs, equipped for science and technology startups that may not otherwise have access. The District also contains an effluent decontamination room, which treats large amounts of contaminated liquids from sources such as lab sinks, showers, autoclave chambers and floor drains. These sensitive areas require sealed, IP-rated luminaires to maintain the integrity of the space.

Sam Rastkar, Professional Engineer (P. Eng.), with Merrick & Company and the lighting specifier for the MaRS Discovery District, explains, "Replacing a light fixture or any internal component in a containment laboratory is very costly and time consuming. Maintenance personnel and/or tools cannot easily get into the area and, sometimes, the regular operation of the labs must be stopped in order to provide maintenance. All light fixtures, frames and wireways are sealed with silicone between the frame and the ceiling, and changing any of those components will cause a complicated re-sealing and integrity test in CL2 and CL3 laboratories."



***"Kenall is one of the few manufacturers that is willing to work with specifiers to provide custom light fixtures specifically for containment applications: all engineers/designers are very familiar with Kenall," continued Sam Rastkar, P. Eng.***

"Merrick was able to work with Kenall to fabricate fixtures based on the application," Rastkar concluded.

This successful partnership results in a well-lit, safe space for entrepreneurship and scientific discovery. MaRS 2 is at 94 percent occupancy and companies that call MaRS 2 home have created more than 7,000 jobs.

## Kenall Lighting Featured at MaRS Discovery District:

- SimpleSeal™ CSE Inset Door luminaires
- EnviroPro™ EPLB sealed LED High/Low Bay luminaires
- Millenium™ Metrex™ METEL sealed LED emergency exit lights
- Millenium™ Square LED for Architectural High Abuse
- SimpleSeal™ HSE Linear Inset Door Series luminaires

## Benefits for MaRS:

- IP Certified, reduced risk of accidental contamination
- Less maintenance and downtime in the labs and effluent decontamination room
- Lower total cost of ownership

For more information, please visit us on the web at [www.kenall.com](http://www.kenall.com)



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