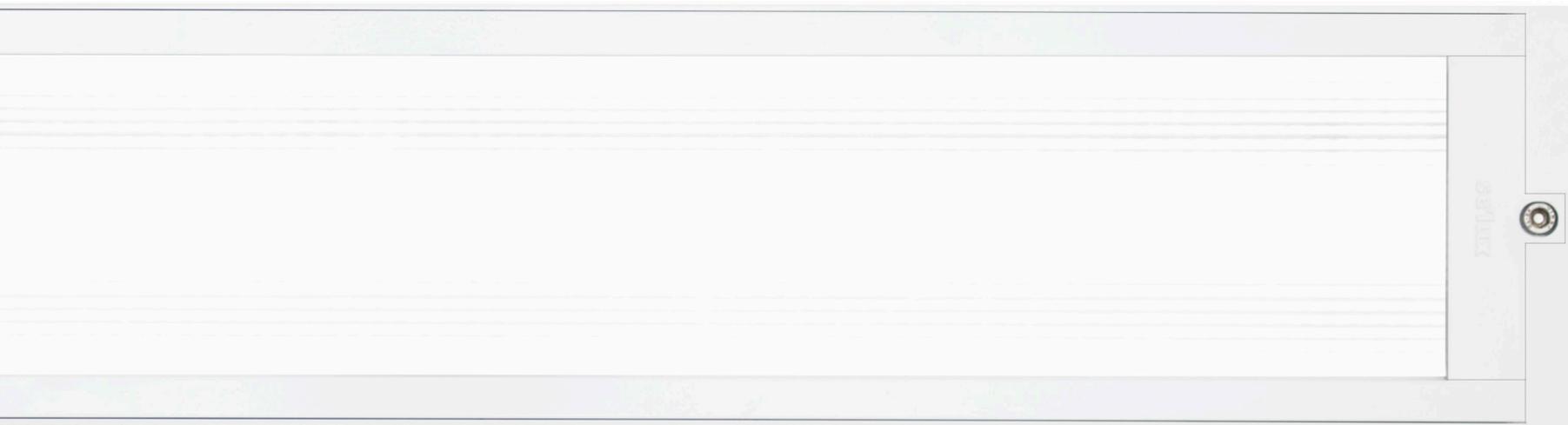


M 1 2 5

L E D

Application Guide



selux

M125 LED

Selux M125 is a luminaire essential for those needing light for safety - for interior or exterior applications. This luminaire has high-impact and access protection to IP65 and IK10 standards. Used individually or in runs for applications such as transportation stations, bus stops, parking garages, underpasses, and more, the M125 offers safe, efficient lighting, making it the perfect high protection luminaire for your next project.



M125



Product Specifications

Light Engine:	Mid-power LEDs · 90+ CRI
Output:	Up to 2,025lm/ft · up to 101lm/W
CCT:	2700K · 3000K · 3500K · 4000K · 3-Step Binning · My White · BIOS SkyBlue™
Shielding:	Tempered Clear Glass with LED Optimized Inlay or Microprismatic Inlay · Satine or Clear Polycarbonate Prismatic Lenses (IK10) · Clear or Diffuse Lens with: Symmetric · Asymmetric 20° Wall Washer · Asymmetric 5° Wall Grazer · Batwing
Options:	Media Trunking · Single Fusing · Tamper Resistant · Separate Switching (consult factory) · Suitable for Natatorium Environment (consult factory) · End Feed Both Ends (for conduit daisy chain) · End Feed Left (for conduit) · End Feed Right (for conduit)
Emergency:	Emergency Circuit Wiring · Remote Micro Inverter (consult factory) · Cold-Weather Integral EM Battery Pack



When a light is needed for safety and protection against the elements

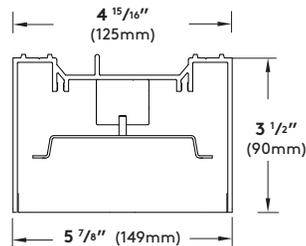
M125 is essential

The premium-quality materials of the M125 include extruded 6063-T6 aluminum, die cast aluminum end caps made from low copper aluminum, and marine-grade aluminum alloy.

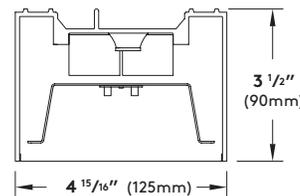
The fully gasketed lens frame protects against moisture, dust, and insects, with an IP65 rating. It is perfect for harsh

environments because it was designed with vandal, tamper, and impact resistance.

This extremely robust family is available with various mounting options - pendant, wall mount, surface mount, or recessed.



M125 Recessed



M125
Surface / Pendant

The New York State Office of Mental Health program certifies that Selux M125 can be used in locations where the mental health of patients may put them at risk, restricting areas for ligature and ensuring safety.

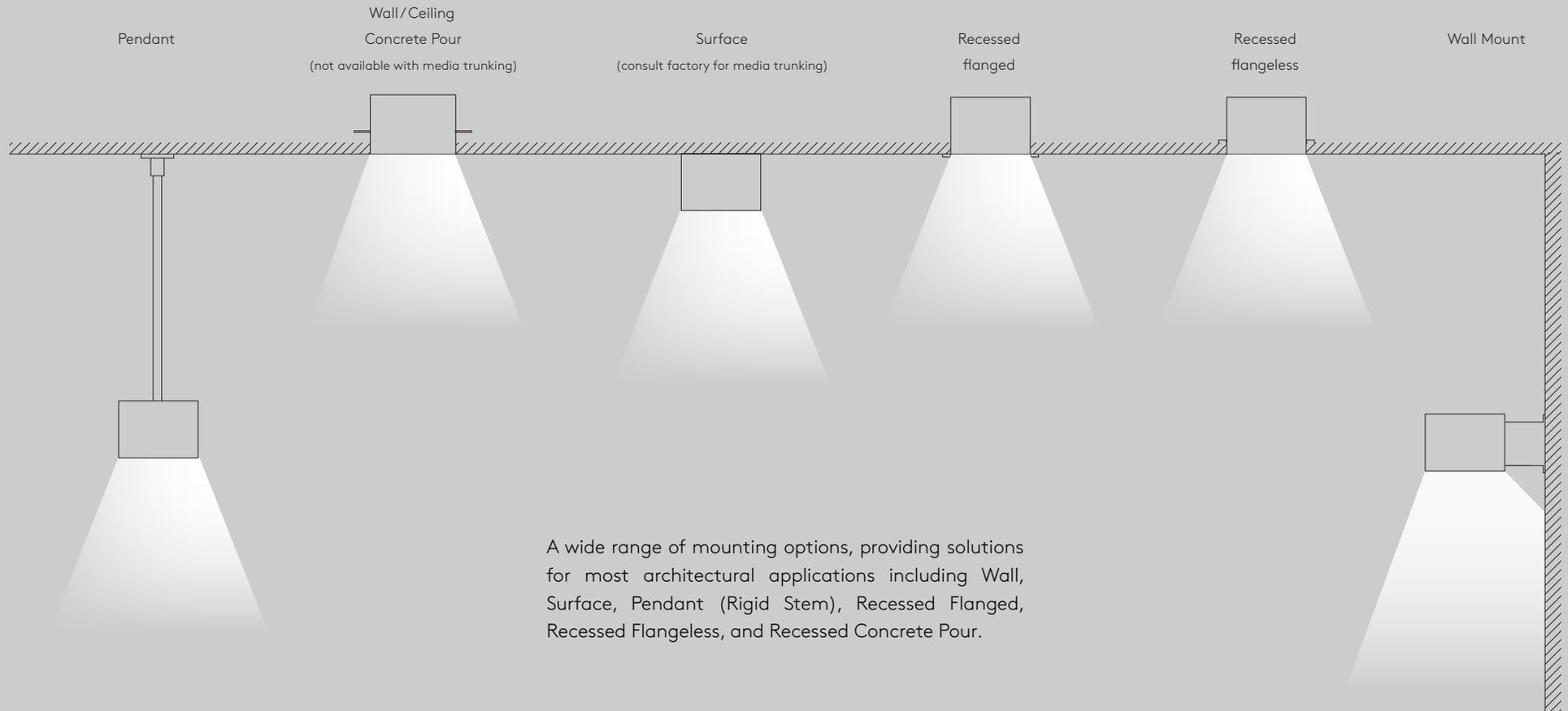


M125 application



NYC Lifeguard Station, New York City - Photographer: Jonathan Intravaia

Variety of mounting options

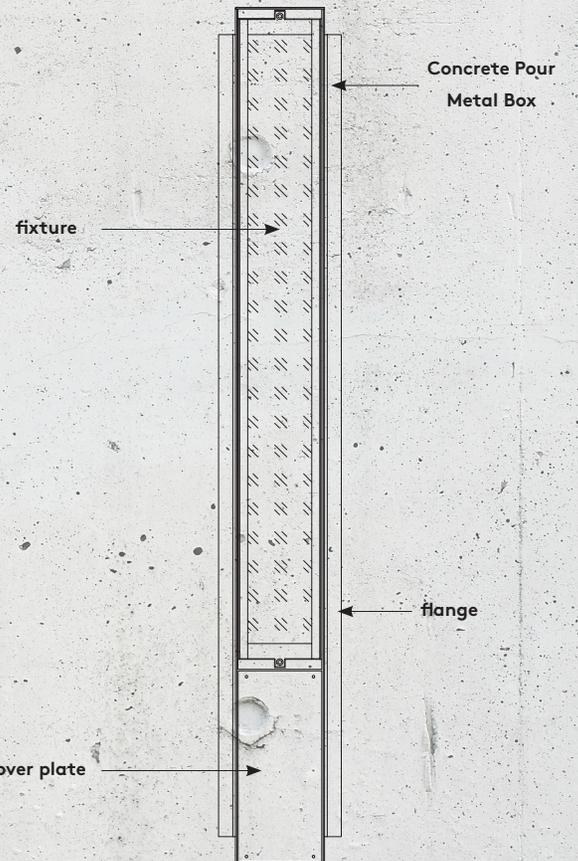


Concrete pour



Integrating Lighting into concrete

When you need to incorporate lighting into concrete, M125 is the solution. This high impact illumination is watertight, safe, and well-protected from the elements. The M125 concrete pour option allows you to access wires after install with the removable cover plate.

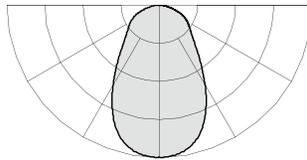


*Concrete Pour is
ceiling mount only

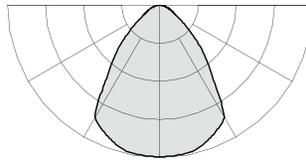
Optics and shielding

are the key to accomplishing optical control

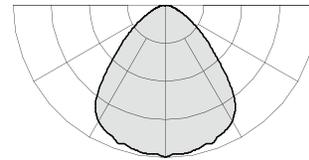
In addition to being a rugged luminaire for both indoor and outdoor environments, M125 offers a wide range of LED optics and shielding options, creating a family of useful distributions.



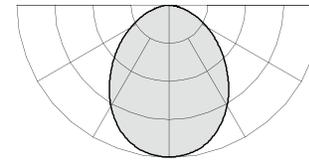
(LI) - Clear Glass with LED Optimized Inlay



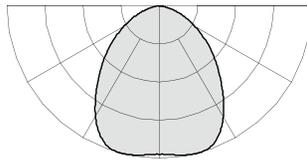
(MI) - Clear Lens with Microprismatic Inlay



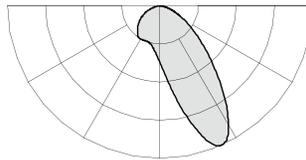
(PC) - Prismatic Lens
(IK10 Rated)



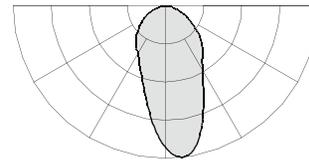
(SD) - Satine Lens
(IK10 Rated)



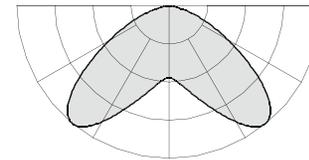
(CNB) - Clear Lens LMO Symmetric



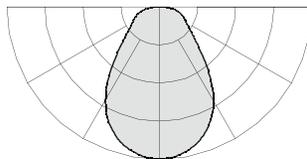
(CA2) - Clear Lens LMO Asymmetric 20° Wall Washer



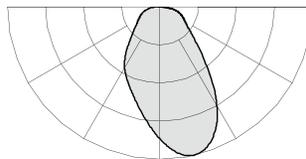
(CA5) - Clear Lens LMO Asymmetric 5° Wall Grazer



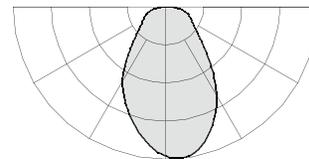
(CBW) - Clear Lens LMO Batwing



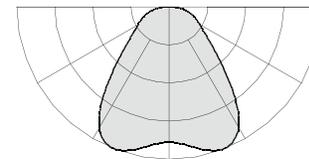
(DNB) - Diffuse Lens LMO Batwing
(IK10 Rated)



(DA2) - Diffuse Lens LMO Asymmetric 20° Wall Washer
(IK10 Rated)



(DA5) - Diffuse Lens LMO Asymmetric 5° Wall Grazer
(IK10 Rated)



(DBW) - Diffuse Lens LMO Batwing
(IK10 Rated)

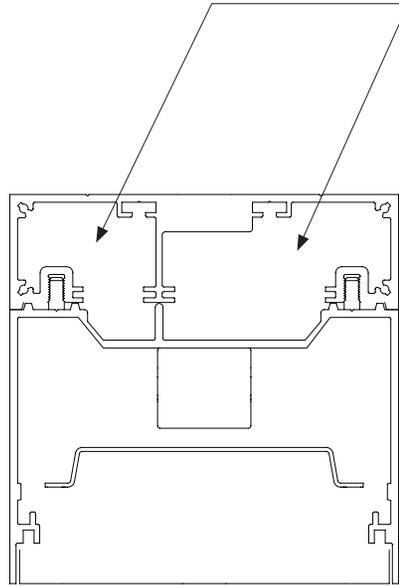
M125 application



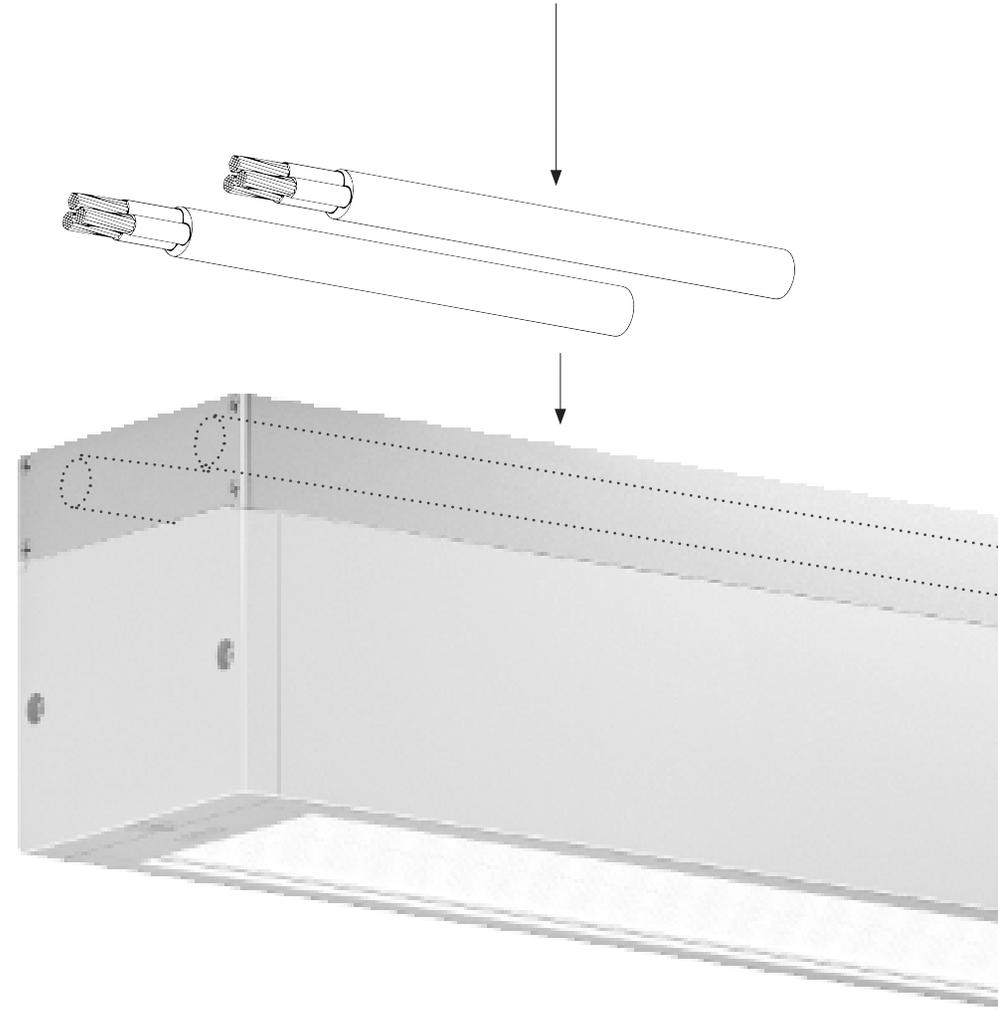
Media Trunking

wire segregation all
in one fixture





Media Trunking System
Use as a raceway for additional cables used
for power and communication purposes.



Incredible design flexibility

The M125 offers incredible design flexibility with our optional media trunking system. This provided space can be used to support, distribute, and organize cables for lighting circuits as well as other electrical equipment that may be used within the project - HVAC, speakers, or telecommunication wires are just a few examples. Use the media trunking space in the M125 to arrange your wires, protect them from dust or water, and keep your finished project polished and organized.

Single or double row LED boards

depending on your illumination necessity

M125 has brand-name mid-power LEDs that create a high efficiency LED light engine. It is able to provide a lumen maintenance of 96% at 25,000 hours and 93% at 60,000 hours. M125 gives you the choice to have one light engine or two - depending on your project needs. Both light engines are at 25°C per TM-21 reports. Reported L70 greater than 60,000 hours.

The M125 is available with single row or double row LED board. Both provide one similar thing - illumination. The choice is yours on how much illumination intensity you

need for your project. The double row LED boards are made of two horizontal rows of LEDs and are placed side-by-side. Double row LED lights are the preferred choice if you want to illuminate huge spaces such as offices, warehouses, or large parking garages.



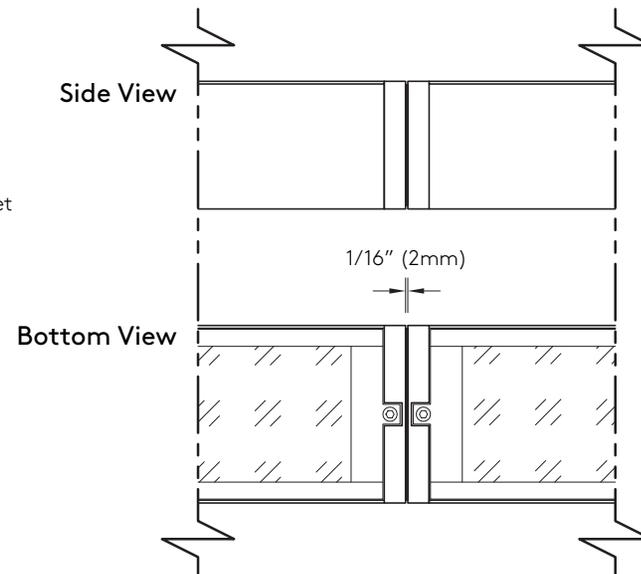
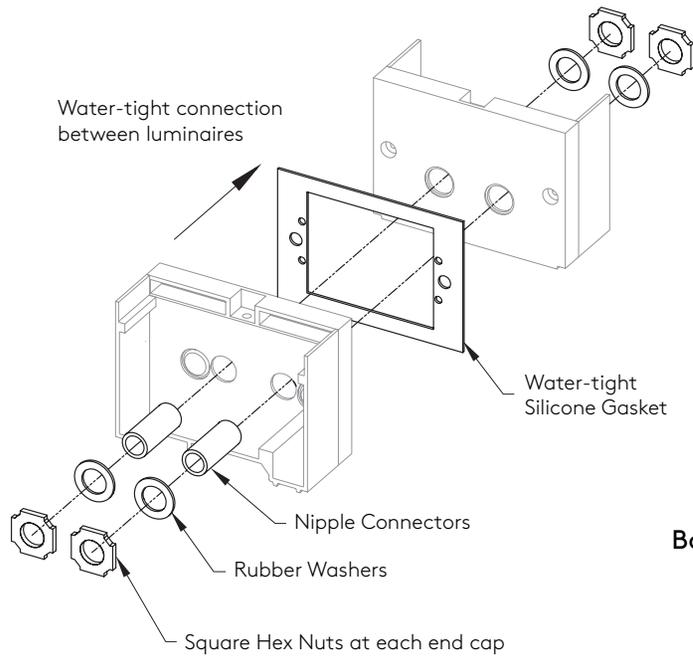
Porsche Centre Oakville, Ontario, Canada - Photographer: ScarFone Photography



Water tight for run lengths

M125 is available in 2ft, 3ft, or 4ft standard lengths, but to maximize its use, it is also available in run lengths. The runs are available in the standard length increments and are ideal for illuminating a large extended area or for highlighting a long element.

The water-tight nipple connections are supplied with all runs for easy connection, and to keep you feeling assured that the wires and cables are free of liquid and moisture.





Joe Murray Rivers, Jr. Intermodal Transit Center, Savannah, Georgia - Photographer: Atlantic Archives, Inc.

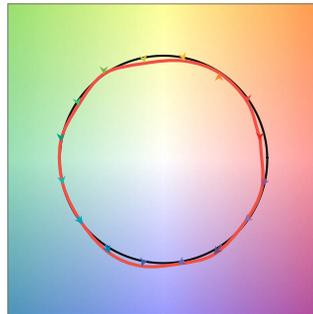
High Color Rendition

In combination with a high CRI value, M125 LED offers a high fidelity index (R_f) and high gamut index (R_g). The CRI and TM-30 values for M125 LED at 3500K are shown below. When creating a lighting design, attention should be paid to the Color Vector Graphic. A perfectly overlapping Color Vector Graphic indicates a light that perfectly matches the reference light (the sun).

M125 LED
CCT: 3500K
CRI = 95

 $R_f = 91$
 $R_g = 98$
 $R_o = 55$

Color Vector Graphic



selux

+



M125 is now offered with BIOS technology! BIOS SkyBlue™ circadian solutions produce the healthy “blue sky” light signal needed to stimulate human circadian biology. The SkyBlue™ technology creates circadian lighting that communicates with our bodies at the cellular level to regulate sleep patterns, boost energy, and improve overall health. It provides a spectrum of light that communicates directly with human biology via a non-visual photoreceptor in the eye—the natural “blue sky” spectrum of light that our cellular biology has recognized for tens of thousands of years. When you are looking for a rugged fixture as well as a fixture that can improve daytime alertness, mood, and brain function the M125 with BIOS SkyBlue™ technology is the way to go. It is a proven method for supplying the body with more natural light.

Tunable White

The Selux proprietary My White technology allows you to adjust both the intensity and color of your light, creating a comfortable environment for offices, educational facilities, hospitality, or any other installation where varying light could benefit the occupants. By digitally adjusting the color temperatures from warm (yellowish) to cool (more blue) - 2700 to 6500 Kelvin, you can instantly alter the dramatic effect of any space.



Terminal 2, Heathrow Airport, UK - Photo courtesy of: James Newton



Cold-Weather Integral Battery

As temperatures continue to get colder in some areas, help protect your M125 with the Cold-Weather Integral Battery Pack option. With this, it can withstand the harshest and coldest weather conditions unlike others which can become weaker in extreme cold temperatures, ensuring proper emergency lighting even in these extreme temperatures.



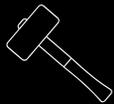
Separate Switching

Luminaires available with separately switched (nominal) sections starting at 7' and up. Luminaire is intended to be wired to the same panel/breaker (not intended for emergency use).



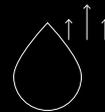
Media Trunking

M125 provides added space that can be used to support, distribute and organize cables for lighting circuits as well as other electrical equipment that may be used within the project - HVAC, speakers, or telecommunication wires are just a few examples.



Tamper Resistant

This vandal-resistant fixture is designed and manufactured for scenarios where the luminaire needs to withstand impact, tampering, prying, or severe weather. Tamper proof, the M125 can be utilized in behavioral health centers, correctional institutions, schools, hospitals, shopping centers, or any high occupancy locations.



Suitable for Natatorium Environment

Natatorium environments create extremes in temperature, humidity, evaporation, vapor pressure, and multitude of other factors. M125 can withstand harsh vapors and humidity while maintaining its original corrosion-free form. Consult factory for details.



Visual/Audio Integration

Need to add additional security measures or audio function to create a memorable experience or provide informative voice commands? On a project-specific basis, Selux can integrate cameras, speakers, or other accessories (all by others) into the M125 LED. Consult factory for details.

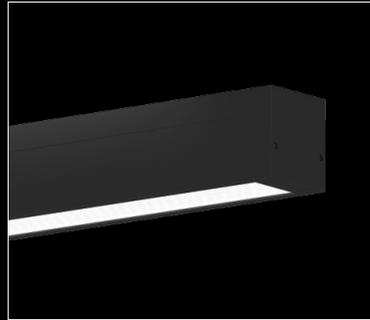


Joe Murray Rivers, Jr. Intermodal Transit Center, Savannah, Georgia - Photographer: Atlantic Archives, Inc.

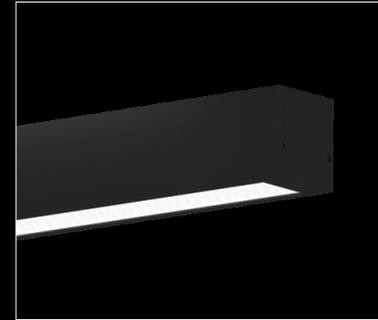
Selux Housing Finishes



white



semi-matte
black



semi-matte
black



silver



custom RAL
finish

M125 application





Publisher

Selux Corporation
5 Lumen Lane
Highland, NY 12528
www.selux.us

Edited by (responsible)

Selux Corporation

Concept and Design

Selux Corporation
www.selux.us

Print

Selux Corporation
5 Lumen Lane
Highland, NY 12528

Selux is a registered trademark of the Selux Corporation.
Errors accepted and subject to change due
to technical modifications. For conditions of sale
and delivery please refer to www.selux.us.

The use of the text and images, even in part, is
in breach of copyright without the consent of
the Selux Corporation and punishable. This also applies to
copies, translations, microfilming and processing
with electronic systems.

07/2022

