

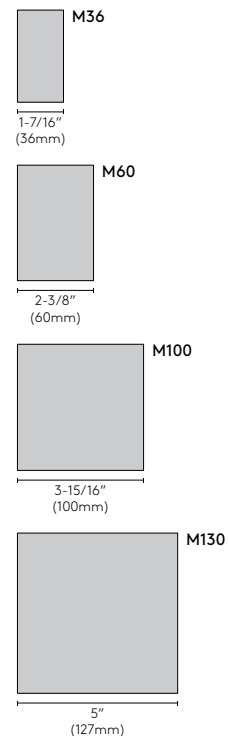
M-Series LED

selux



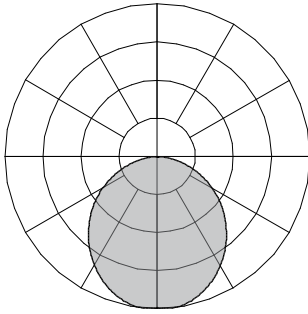
Product Specifications

- Light Engine:** Mid-power LEDs; 80+ CRI and 90+ CRI
- Output:** Up to 1,618lm/ft; up to 147lm/W
- CCT:** 2700K, 3000K, 3500K, 4000K; 3-Step Binning
Tunable White (2700K - 6500K; 90+ CRI)
BIOS LED
- Shielding:** LED Optimized White Lens, Microprism, Symmetric, 20°
Wall Washer, 5° Wall Grazer, Direct Batwing, Indirect Wide
Batwing (Drop Lens, Light Up Lens, M36 MRC Wall Washer,
and Louvers - Specular, Matte Silver, Matte Black, Matte
White available for M36 only)
- Options:** Dimming, Damp Location, Separate Switching, Emergency,
Wet Location, 90° Lit Corners
- Project-Specific
Modifications:** Integrated Piix™ MRC (M100), Integrated Adjustable MR16
(lamp by others), Blank Covers, Custom Configurations

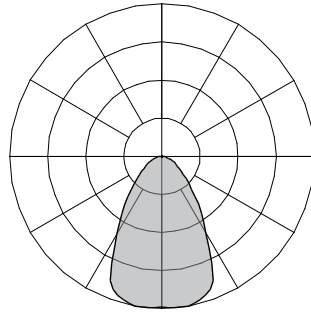


M36 Shielding Options

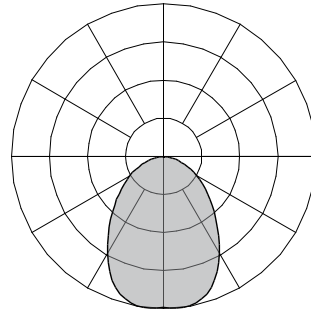
Our proprietary LED optical system - Light Modulation Optics (LMO) - have been integrated into the M-Series products allowing for a more flexible lighting design throughout a space. The M36 LED luminaire offers a variety of shielding options including Louvers, a Drop Lens, a Light Up Lens, the MRC Wall Washer, and an indirect Wide Batwing.



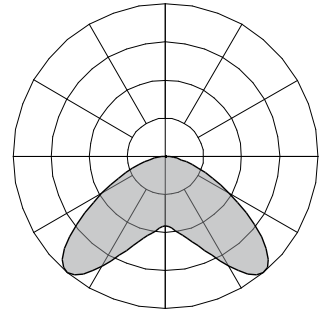
LW - LED Optimized White Lens
(up to 117lm/W)
Application: general illumination



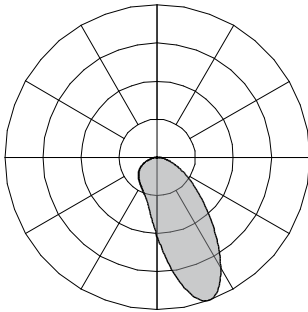
MI - Clear Lens with Microprism
(up to 120lm/W)
Application: low glare, focused task illumination



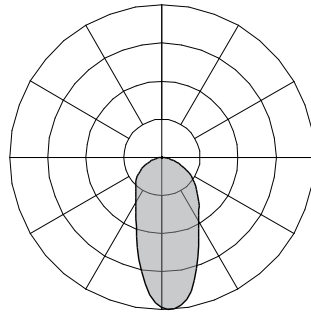
NB - LMO Symmetric
(up to 142lm/W)
Application: general task illumination



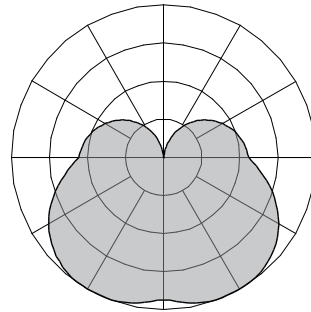
BW - LMO Batwing
(up to 129lm/W)
Application: general illumination, wide spacing



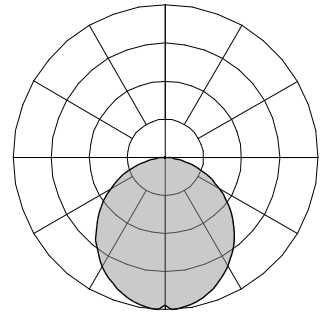
A2 - LMO Asymmetric 20° Wall Washer
(up to 147lm/W)
Application: wall washing



A5 - LMO Asymmetric 5° Wall Grazer
(up to 147lm/W)
Application: wall grazing

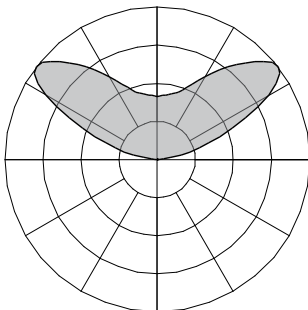


DR - Drop Lens (1-3/8" drop)
(up to 134lm/W)
Application: general and vertical illumination, visual appeal

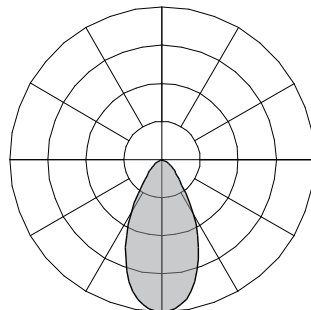


LU - Light Up Lens (1/4" drop)
(up to 121lm/W)
Application: general and vertical illumination, visual appeal

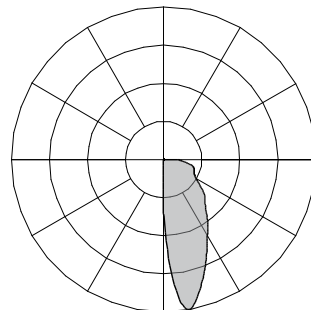
For indirect lighting where wide spacing and uniformity is critical on the ceiling, use the Wide Batwing optics. When the luminous lens needs to be hidden visually and glare is a concern, use the M36 with louvers or the M36 MRC Wall Washer. Both are beautiful, high performing luminaires that address glare at the source.



WB - LMO Wide Batwing
(up to 139lm/W)
Application: indirect wide spacing



Vx - Louvers
Specular, Matte Silver, Matte Black and Matte White finishes available
(up to 96lm/W)
Application: low glare, focused task illumination
UGR: 13 to 17



WW - M36 MRC Wall Washer
(up to 80lm/W)
Application: wall grazing
(90+ CRI only)

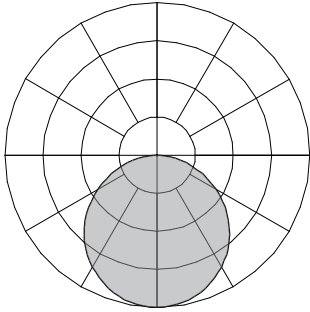


*Values calculated from a 4' luminaire at 3500K and 80+ CRI unless noted otherwise. For complete values, see photometry files online.

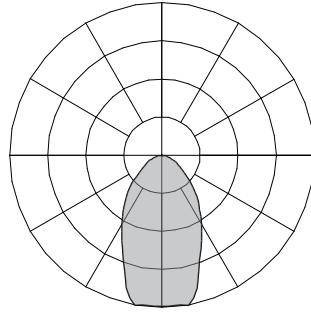
*M36 MRC Wall Washer shown

M60 and M100 Shielding Options

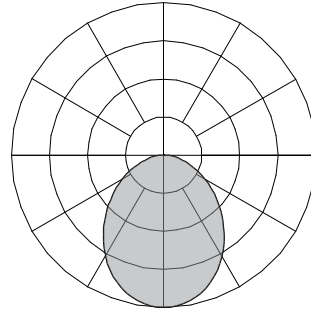
Our successful and versatile M36 LED optics have been integrated into the M60 LED and M100 LED products. All of the proprietary Light Modulation Optics (LMO) are tucked behind a Satine Lens for a more uniform appearance and illumination to the top of the wall without protrusion from the ceiling. The M60 LED and M100 LED are also available with the proprietary indirect Wide Batwing optic.



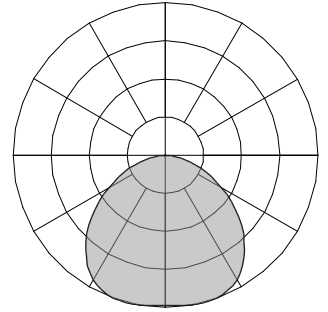
LW - LED Optimized White Lens
(up to 102lm/W)
Application: general illumination



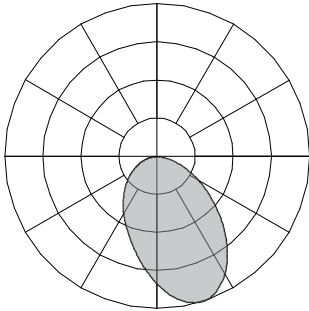
MI - Clear Lens with Microprism
(up to 119lm/W)
Application: low glare, focused task illumination



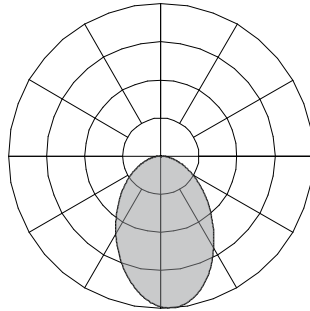
NB - LMO Symmetric
(up to 110lm/W)
Application: general task illumination



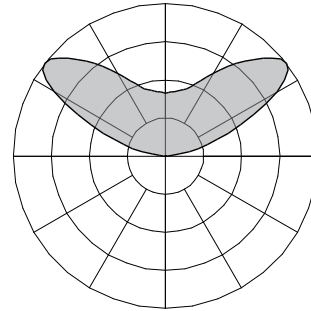
BW - LMO Batwing
(up to 102lm/W)
Application: general illumination, wide spacing



A2 - LMO Asymmetric 20° Wall Washer
(up to 111lm/W)
Application: wall washing



A5 - LMO Asymmetric 5° Wall Grazer
(up to 112lm/W)
Application: wall grazing



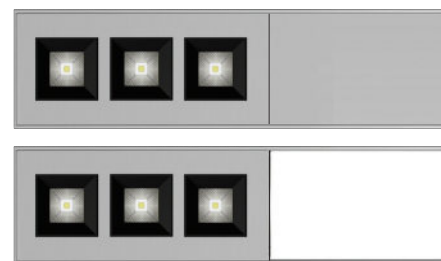
WB - LMO Wide Batwing
(up to 139lm/W)
Application: indirect wide spacing



Gasketed, injection molded snap-in cover at ends and at joints creates a fully luminous surface area

M60 LED Wet Location

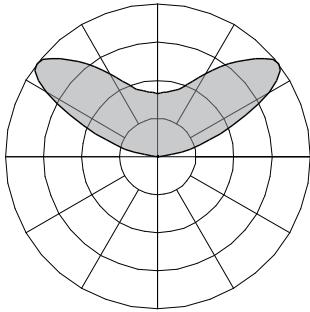
When Damp Location is just not enough, combine interior lines of light with exterior runs of the M60 LED Wet Location fixture for continuous light. Some installations need that extra bit of protection - from the elements and insects.



Integrate Piix™ MRC and Blank Covers into the M100 LED housing, along with lit sections

High Performing Indirect Wide Batwing

The indirect Wide Batwing has been specifically designed to enhance the architectural environment by providing a beautiful and uniform ceiling wash. It's available in the M36, M60, and M100 form factors.



WB - LMO Wide Batwing
(up to 139lm/W)
Application: indirect wide spacing

Wide Batwing Optic: the low angle Wide Batwing Optic spreads light across the ceiling creating a superior ceiling uniformity and is extremely efficient at up to 139lm/W.

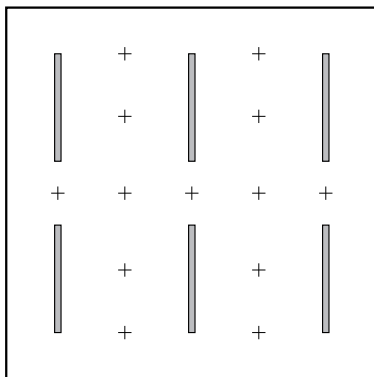
Improved Visual Comfort: create a sense of spaciousness, eliminate veiling reflections, reduce eye fatigue, and support facial recognition through indirect lighting.

Minimize Glare: provide useful illumination within a space without the added direct luminous glare.

Achieve Maximum Uniformity on the Ceiling: reduce contrast on the ceiling with the Wide Batwing optic, even when there is limited space between the ceiling and the luminaire. With a wider spacing, fewer luminaires are needed to light a space.

Analysis of the Indirect Wide Batwing

The photometric analysis compares the LW - LED Optimized White Lens to the WB - LMO Wide Batwing. Both scenarios produce similar average illuminance values and uniformity ratios (Avg/Min) on the workplane, but the Wide Batwing achieves an excellent ceiling uniformity (Max/Min).

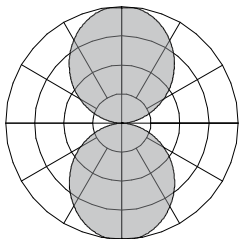


Room Characteristics:

Room Size: 36' x 36' x 12'
12' Luminaire Lengths
Luminaire Suspension Distance: 3' (36")
Luminaire Spacing: 14' x 18'

Reflectance Values: 80/50/20
LLF: 0.90

L36DI-1C20-1C25-935-LW-LW

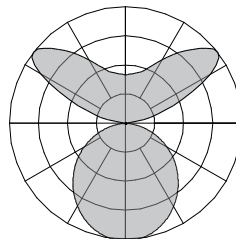


Direct Lumen Output: 429lm/ft
Indirect Lumen Output: 535lm/ft
CRI: 90+ (High Color Rendering)

The Workplane:
Avg. Illuminance: 35fc
Uniformity Ratio (Avg/Min): 1.69

The Ceiling:
Avg. Illuminance: 32fc
Uniformity Ratio (Max/Min): 9.55

L36DI-1C20-1C20-935-LW-WB



Direct Lumen Output: 429lm/ft
Indirect Lumen Output: 509lm/ft
CRI: 90+ (High Color Rendering)

The Workplane:
Avg. Illuminance: 34fc
Uniformity Ratio (Avg/Min): 1.68

The Ceiling:
Avg. Illuminance: 30fc
Uniformity Ratio (Max/Min): 4.68

General Illumination

Engineered for high performance, exceptional quality of light, and extensive optical and mounting offerings, the M-Series LED fixtures are ideal for general architectural lighting applications.



School of American Ballet, New York, New York
Photo courtesy of Diller Scofidio + Renfro/Iwan Baan

Configurations

The M-Series LED product line expands creative freedom so perfect innovative lighting design can be realized quickly and easily. With stunning solutions that are both intelligent and efficient, the range of possibilities is now limitless. Consult the factory for your project-specific application.

950 17th Street, Denver, CO
Photo courtesy of Koerbel Photography



BMO Bank of Montreal - First Canadian Place
Photo courtesy of Steve Tsai Photography

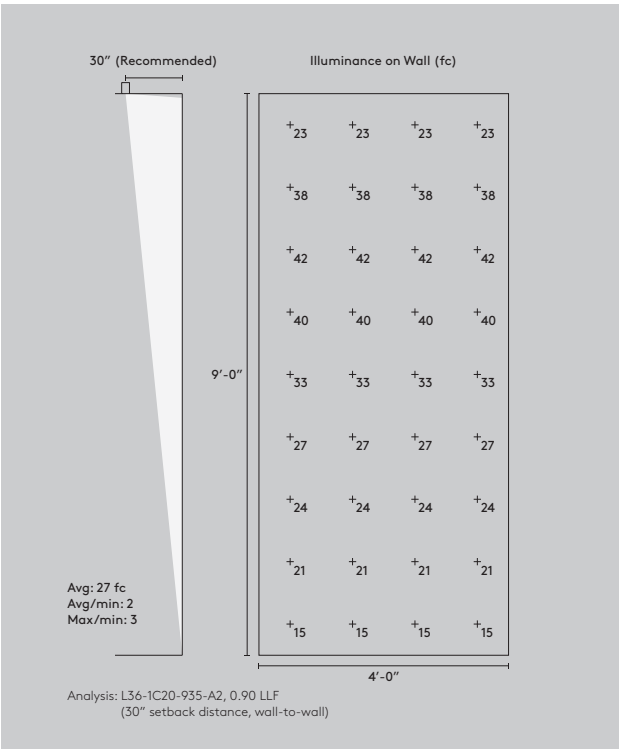




The Possibilities
are Limitless

Wall Washing

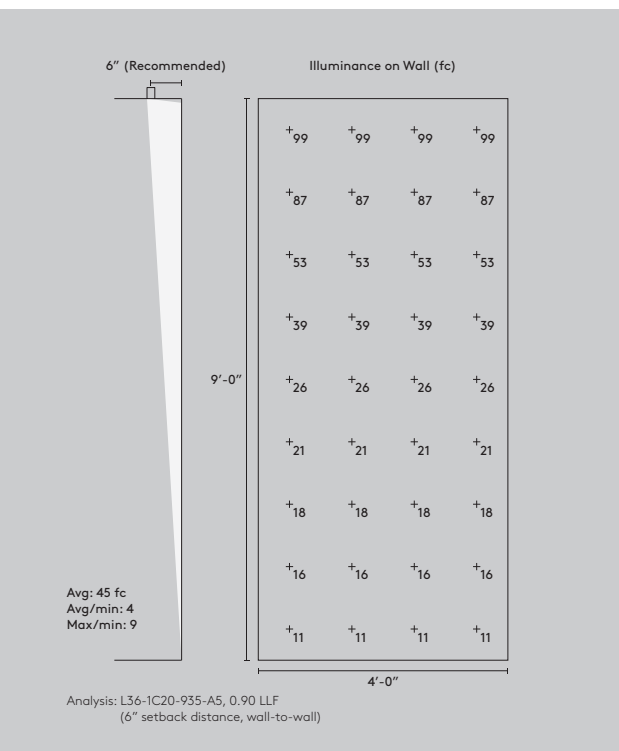
The A2 - LMO Asymmetric 20° Wall Washer provides high quality optical performance, translating into an even distribution of light on the wall.



Oliver's Yard, London, United Kingdom
Photo courtesy of James Newton

Wall Grazing

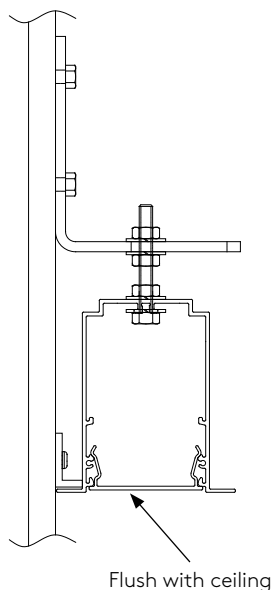
The A5 - LMO Asymmetric 5° Wall Grazer is designed to create a tight, focused beam, evenly illuminating textures and highlighting accent walls to promote visual interest.



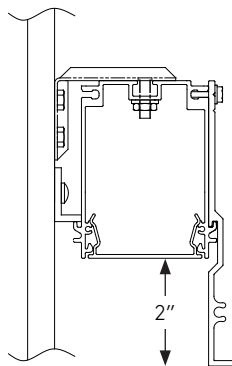
Oliver's Yard, London, United Kingdom
Photo courtesy of James Newton

Recessed Perimeter

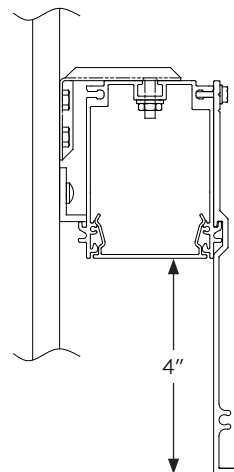
Create a continuously illuminated slot, including fully luminous corners, with recessed perimeter mounting. Choose from flush, 2" regress, or 4" regress depths in the M36, M60, or M100 series luminaires. Available with spackle flange or flanged mounting.



Flush Perimeter



2" Regress Perimeter



4" Regress Perimeter

Telescoping Gear Tray and Field-Cuttable Housing

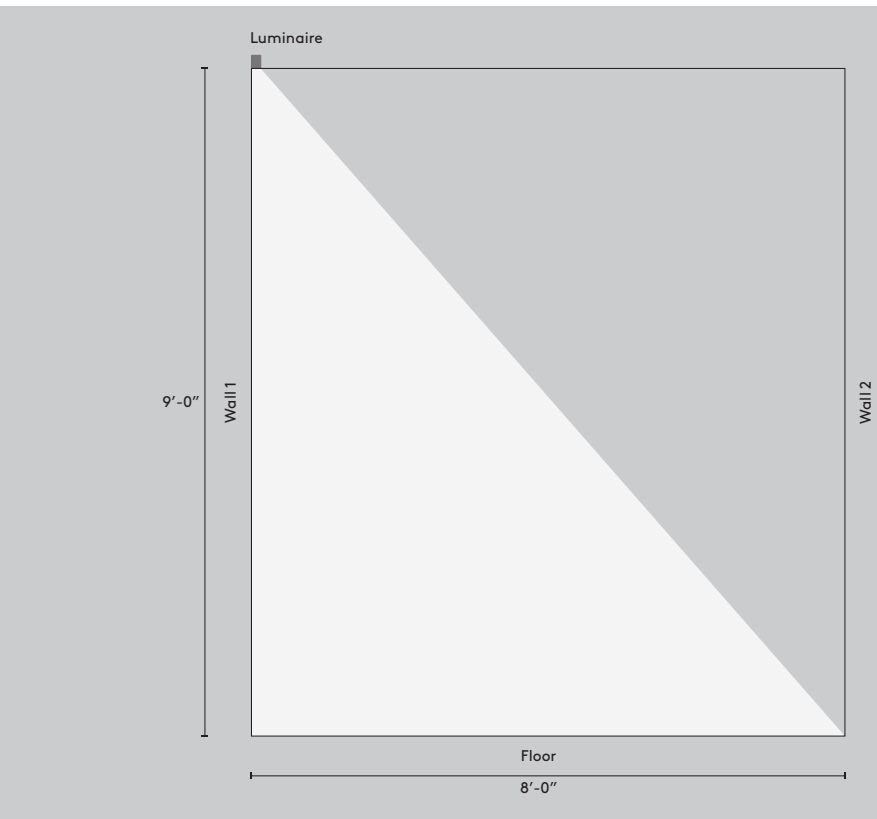
Adjust to walls of any length with the telescoping gear tray and field-cuttable housing.

Choose from a variety of the standard M-Series optics to create the desired illuminating effect on the vertical surface.



Corridor Fill with Perimeter Mounting

Use the A2 - LMO Asymmetric 20° Wall Washer optic aimed away from the wall to provide corridor fill light with perimeter mounting. This allows for exceptional lighting in the corridor while reducing installation costs and energy usage compared to standard cove applications.



Corridor Characteristics:

Corridor Size: 8' x 9'

Reflectance Values: 80/50/20
LLF: 0.90

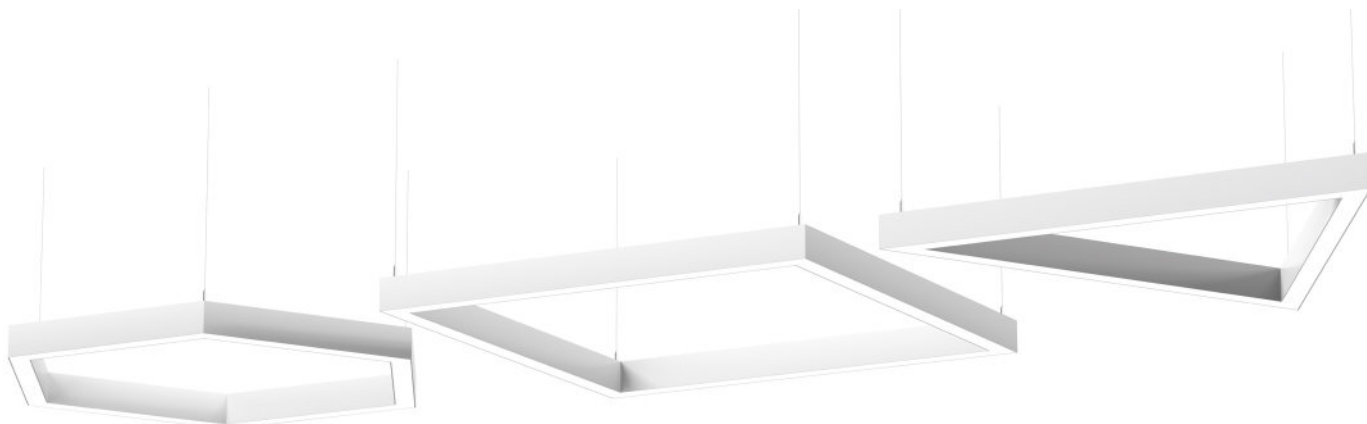
Luminaire	Output (lm/ft)	Avg. Illuminance on Floor (fc)	Uniformity Ratio on Floor (Max/Min)	Avg. Illuminance on Wall 1 (fc)	Uniformity Ratio on Wall 1 (Max/Min)	Avg. Illuminance on Wall 2 (fc)	Uniformity Ratio on Wall 2 (Max/Min)
L36-1C20-835-A2	642lm/ft	46fc	2.31	29fc	12.83	21fc	2.62
L60-1C25-835-A2	642lm/ft	41fc	2.34	35fc	15.31	21fc	2.54
L10-1C25-835-A2	600lm/ft	39fc	2.27	34fc	16.52	20fc	2.45



HVB Tower Munich, Germany
Photo courtesy of Henn Architekten
/Hans-GeorgeEsch

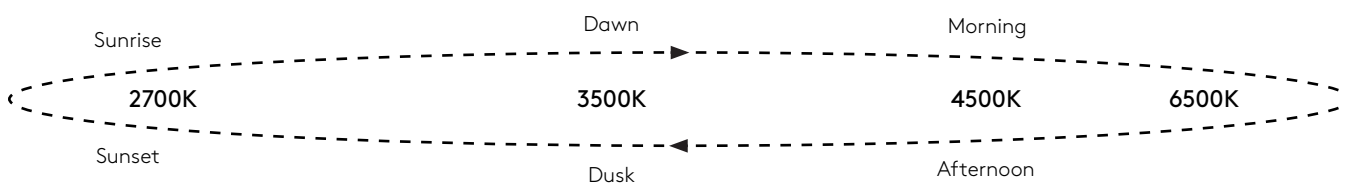
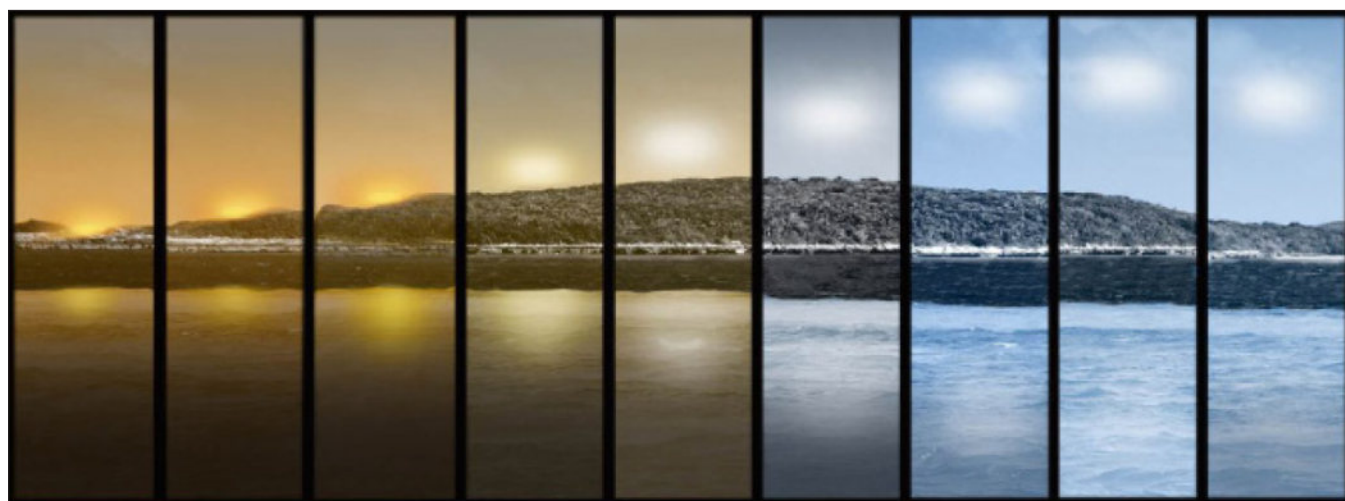
M-Series LED Shapes

M-Series LED Shapes standardize on the M-Series LED in standard shape configurations of Triangle, Square, Rectangle, or Hexagon. Shapes are available with Recessed, Surface, or Pendant Mounting in M36, M60, or M100. All shapes come standard with 1', 2', 3', and 4' leg lengths. For other shapes or sizes, please consult the factory.



Tunable White and Circadian Rhythm

Humans have an internal clock that affects everything from sleep patterns to productivity to health. This clock is called the circadian rhythm. As humans evolved in the days before electric lighting, they had natural exposure to various levels (both color temperature and intensity) from the sun. By adjusting electric lighting to mimic the natural hue and intensity of the sun, it can help restore the body to a natural state. Various studies have shown that this can help with alertness, behavioral issues, and productivity. The Selux proprietary My White technology allows you to adjust both the amount and color of your light, creating a comfortable environment for healthcare, corporate offices, educational facilities, hospitality, or any other installation where varying color temperature could benefit the occupants. Set up the My White luminaires to a whole building solution, and you could create an automatic adjustment to the light to mimic daylight.



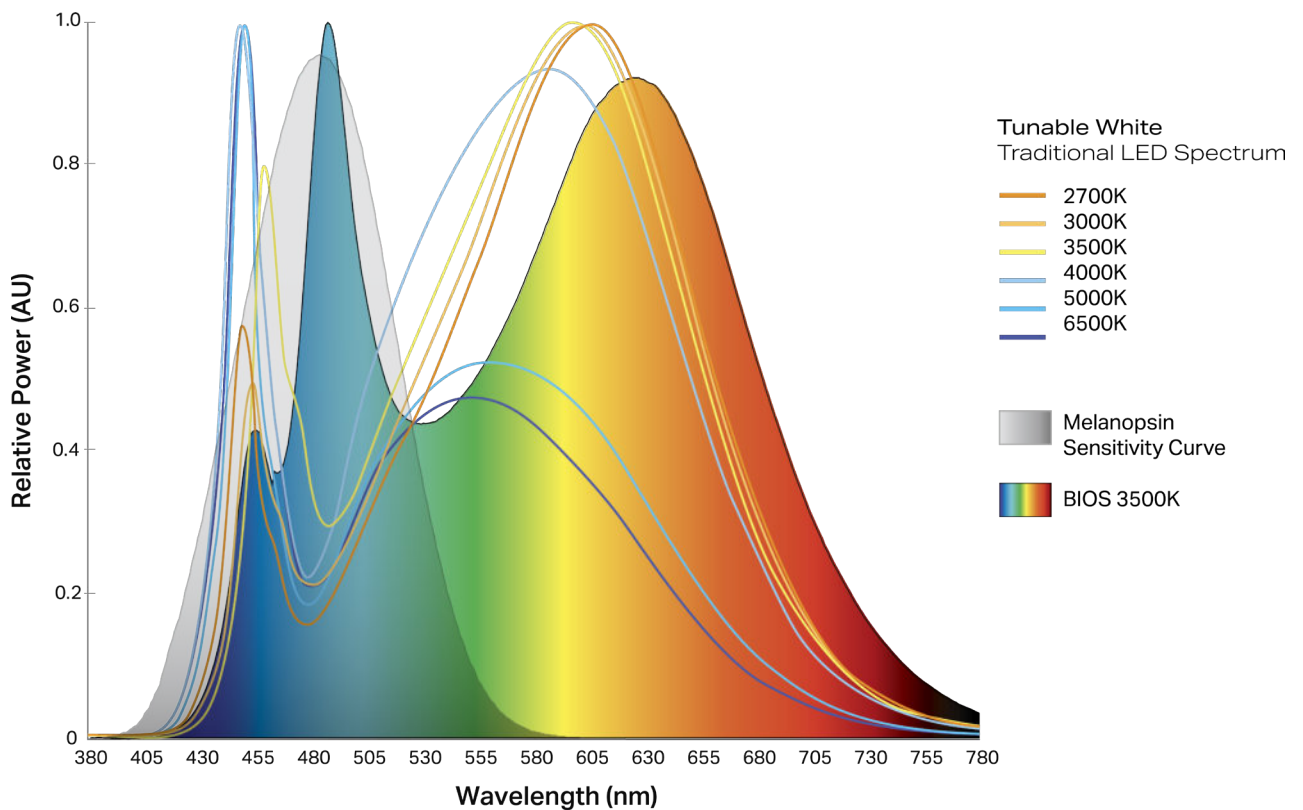
selux + bios

M-Series LED can be enhanced by BIOS to provide healthy, energy efficient lighting that promotes improved sleep, better health, and well-being.

BIOS SkyBlue® vs. Tunable White

While traditional tunable white, or My White offered by Selux, is great for changing the appearance of light, 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.

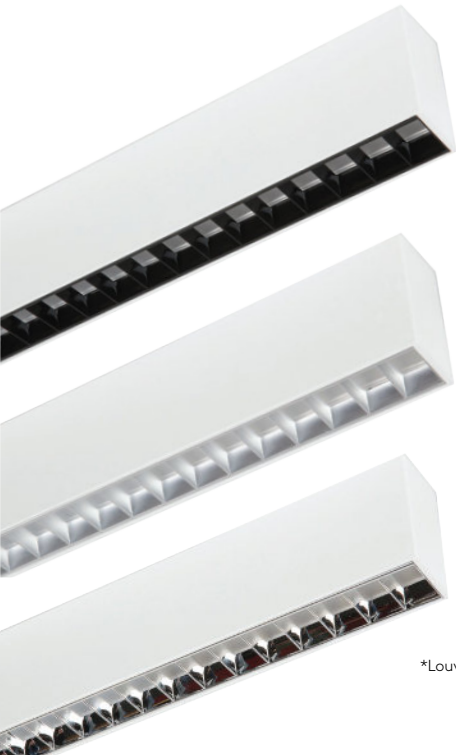
BIOS LED vs Tunable White
Spectral Power Distribution Comparison



*Refer to individual luminaire specification sheets and the Selux + BIOS brochure for more information



50 Cannon Street, London, United Kingdom
Photo courtesy of Gensler/Ryan Gobuty



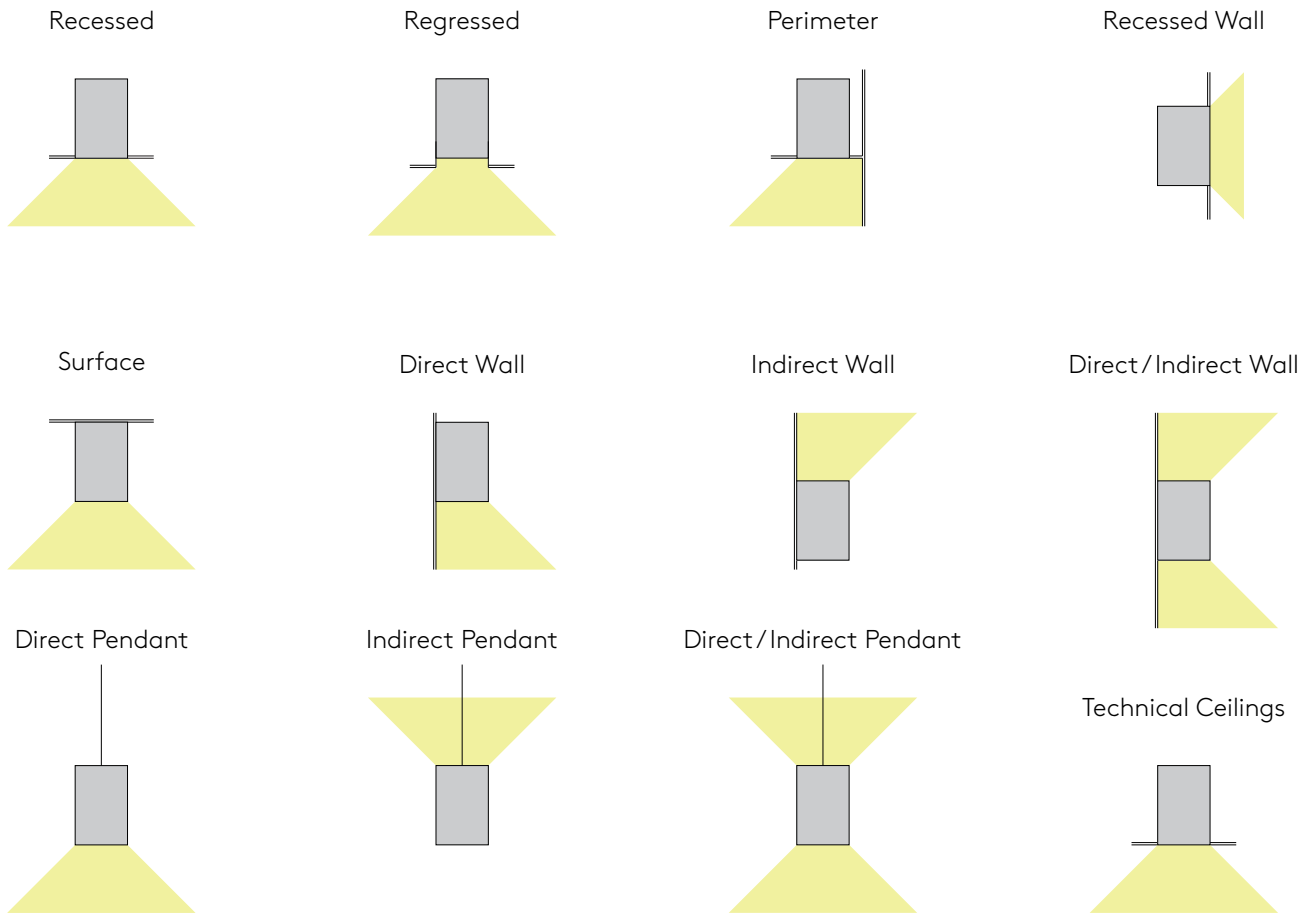
*Louver finish options shown



Be inspired.
Stay inspired.

Mounting

Selux offers a wide range of mounting options, providing solutions for most architectural applications - including Spackle Flange before drywall, Spackle Flange after drywall, Decoustic, T-Bar, Threaded Stud, Rotating Crossbar, Perimeter, Surface Wall, Cable, Swivel Stem, and Rigid Stem.



*Refer to individual fixture specification sheets for more information on mounting details and offerings

Sensor Options

- Enlighted
- Sensor Switch
- nLight Enabled (consult factory)
- Lutron Vive (consult factory)
- Other sensor integration upon request

Emergency Options

- Emergency Circuit Wiring
- Remote Micro Inverter (consult factory)
- Integral EM Battery Pack



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HVB Tower, Munich, Germany

Photo courtesy of Henn Architekten/Hans-GeorgeEsch