

MONDOLUX™

Mons-D Flex

Trunking System

Contents

About Mondolux Page 4

Introducing Mons-D Flex Page 6

Systems Overview Page 8

Dimensions Page 12

Electrical Configuration Page 14

Features Page 15

Finishes Page 16

Parts Page 18

Power Feed-in Options Page 20

Luminaire Modules Page 22

Functional Modules Page 30

System Accessories Page 34



About MONDOLUX™

Mondolux is an innovative lighting brand developed by Aglo, showcasing on-trend lighting products engineered with the latest technology and guaranteed quality to make the entire process clear and simple. Our promise is to continually improve your lighting experience.

Quick Turnaround Times

With a stocked warehouse of 3000 sqm and an experienced assembly team in Melbourne, we are able to fulfil your orders quickly.

In-House Photometrics Lab

Our team can measure any type of lighting fixture easily without being dependent on external testing.

Comprehensive Technical Resources

From technical drawings and photometric data to IES files and installation instructions, Mondolux provides the resources required to support product selection, lighting design, specification and installation.

Guaranteed Quality Product

Our products are thoroughly tested, warranted and certified to meet Australian, New Zealand and International compliance standards.

Easy Product Search

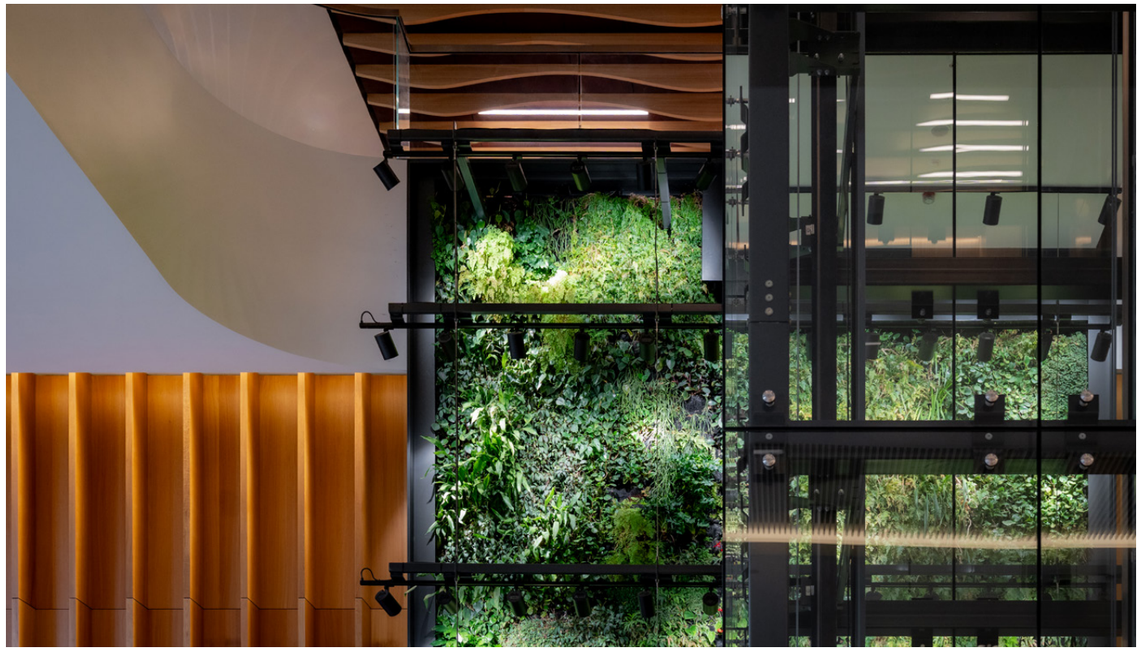
Our website is a platform which enables users to find the perfect lighting solution in a quick and easy way. The user can select the different features of the required lighting product and quickly identify all products that meet these specifications with the required technical data at their fingertips.

Solutions for Diverse Applications

A broad portfolio of luminaire types, sizes, lumen outputs, beam distributions, colour temperatures and accessories provides the flexibility to address different architectural, functional and application requirements.

AUSTRALIAN MADE

Select products are made and assembled in Australia.



Introducing

Mons-D Flex

Mons-D Flex is a premium modular trunking system that combines continuous linear lighting, intelligent controls and functional accessories into one scalable platform. Designed to adapt to changing layouts and evolving building requirements, it delivers architectural aesthetics, installation efficiency and long-term performance across commercial, industrial and mission-critical environments.

Built to Last

Premium Build Quality

Constructed from high-strength 2 mm extruded aluminium, providing excellent structural rigidity for long continuous runs.

Enhanced Durability

Advanced surface treatments improve long-term resistance to oxidation in high-airflow, controlled-humidity environments.

Verified Performance

Standard versions offer high efficiency, and our data centre edition is backed by verified TM-21 projected lifetime, achieving a benchmark L80B10 lifetime of 91,000 hours.

Built for Flexibility

Tool Free Installation

Magnetic endcaps, clip-in modules and dedicated function wiring simplify installation today while providing the flexibility to expand, upgrade and integrate future lighting controls as operational requirements evolve.

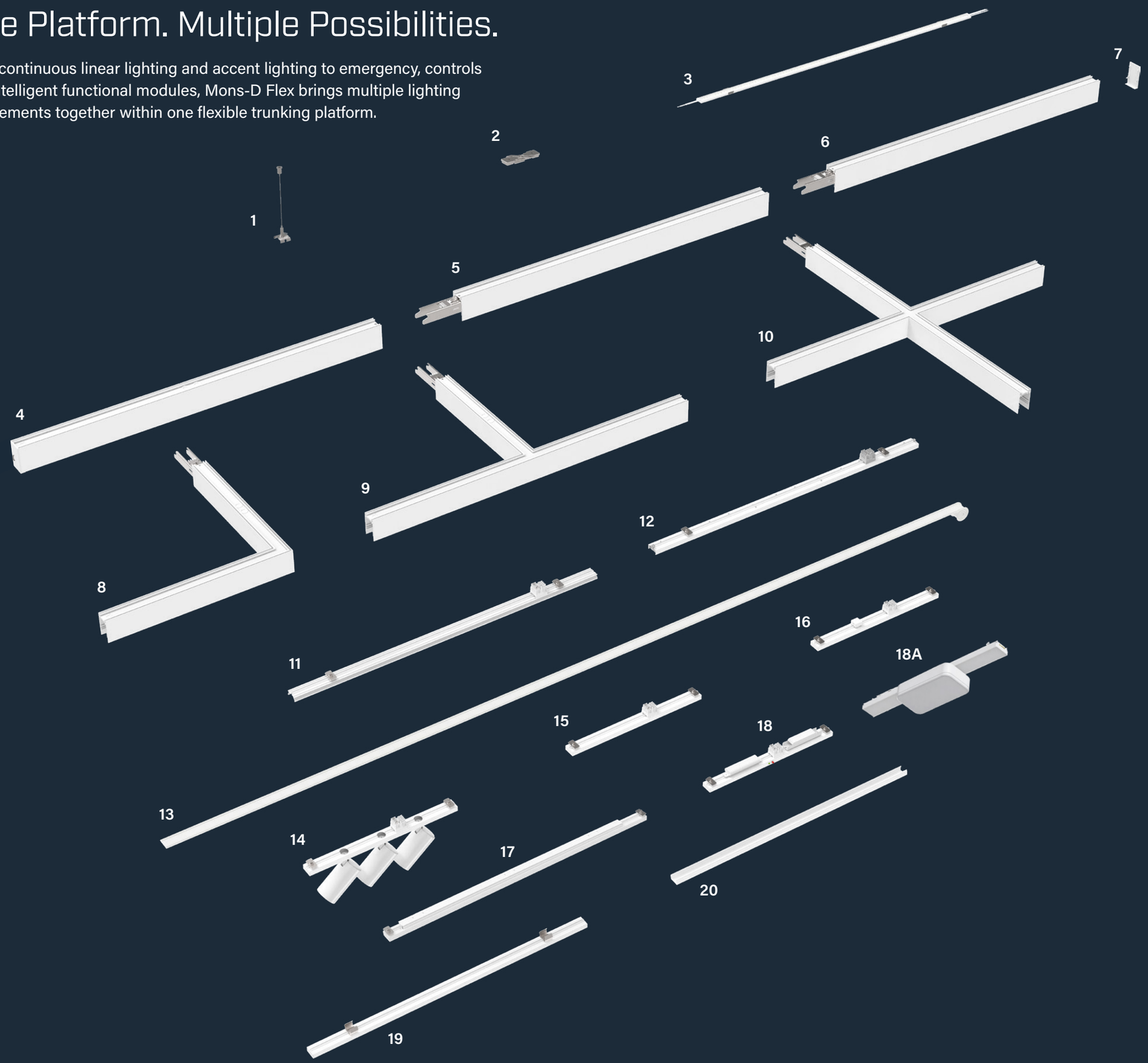
Future Ready Wiring

The integrated 9-wire trunking system incorporates dedicated function wires to support lighting controls and future smart building integration. This flexible infrastructure simplifies future expansion and technology upgrades while minimising the need for additional rewiring.

Systems Overview

One Platform. Multiple Possibilities.

From continuous linear lighting and accent lighting to emergency, controls and intelligent functional modules, Mons-D Flex brings multiple lighting requirements together within one flexible trunking platform.



1. **Suspension Kit**
2. **Seamless Surface Mounted Kit**
3. **Indirect Lighting Module**
4. **Start-Feed Trunking 4F (1124mm)**
   Introduces mains power at the beginning of a trunking run.
5. **Trunking Rail 4F (1124mm) - 16F (4496mm)**
6. **Mid-Feed Trunking 4F (1124mm)**
   Introduces mains power at an intermediate point within the trunking run.
7. **Magnetic Endcap**
   Tool-free, attach by magnet.

Configurable Trunking

L, T and X junctions enable the system to follow complex architectural layouts & create interconnected lighting networks.

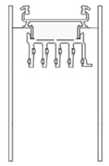
8. **L-shape Trunking**
9. **T-shape Trunking**
10. **X-shape Trunking**
11. **Prismatic Module**
12. **Lens Module**
13. **Flexible Diffuser**
    Clear Diffuser / ConePRISM
14. **Spotlight Module**
15. **Grill Module**
16. **Sensor Modules:**
    DALI, 0-10V, Motion or Daylight
17. **Track Rail Module**
18. **Emergency Module** (non-maintained)

18A. Integrated Clevertronics HIVE Emergency Unit

19. **Aluminum Blank Cover**
20. **Plastic Blank Cover**

1. Trunking Rail

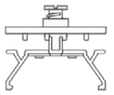
The electrical and mechanical backbone of the Mons-D Flex system.



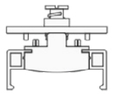
Mon-D Flex Trunking

2. Luminaire Modules

Interchangeable lighting modules for different distributions, visual comfort and application requirements.



Prismatic Module



Lens Module



Grill Module



Spotlight Module

3. Functional Modules

Integrated control, emergency, track and system functionality within the same platform.



Emergency Module (non-maintained)



Sensor Module



Track Module



Plastic Blank Cover



Aluminium Blank Cover



Custom Module Integration

4. Accessories

Installation and lighting accessories that extend the system to suit different project requirements.



Flexible Diffuser



Concealed Surface-Mounting Kit



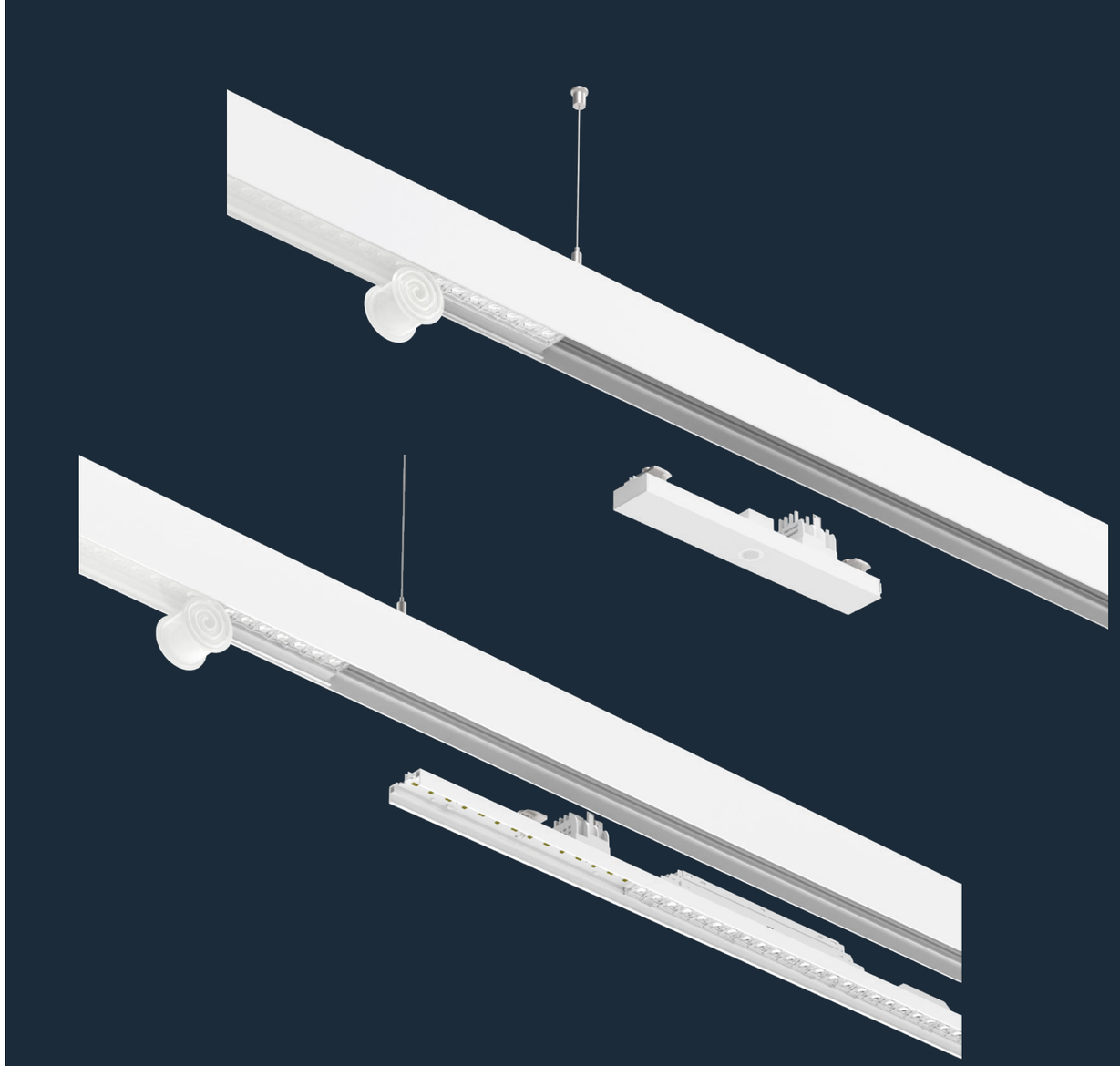
Suspension Kit



Indirect Lighting Module



Magnetic Endcap



Tailored Lighting for Smarter Spaces

Every space has different lighting requirements. Mons-D Flex brings general illumination, accent lighting, controls and functional modules together within one flexible platform, allowing lighting solutions to be tailored to the needs of each application.

From offices, co-working hubs and shared workspaces to retail environments, specialised industrial spaces and mission-critical applications, Mons-D Flex provides the flexibility to create lighting layouts that support different architectural and operational requirements.

Its modular architecture simplifies installation, maintenance and future reconfiguration, allowing the system to adapt as spaces, layouts and lighting requirements evolve.

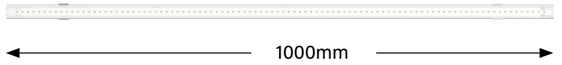
One flexible platform, designed for today and ready to adapt for tomorrow.

System Dimensions

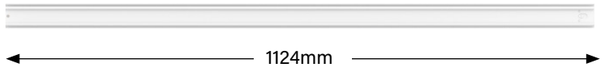


Standard Dimensions

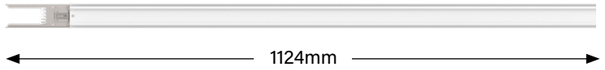
Indirect Lighting Module



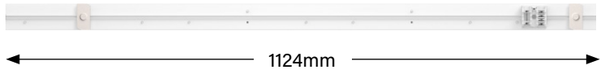
4F Feed-in trunk



4F Trunking = 4*281mm



4F Luminaire = 4*281mm

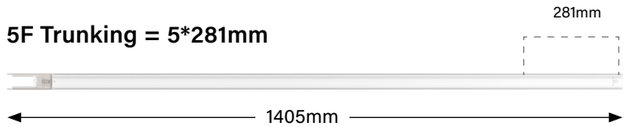


Modular Increment: 1F = 281 mm

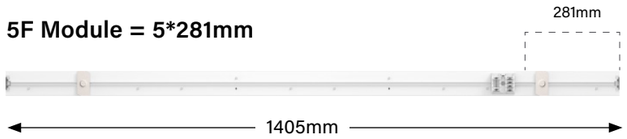
then 4F = 1124mm, 5F = 1405mm, 6F = 1686mm, 8F = 2248mm, 10F = 3372mm

Available by Special Order

5F Trunking = 5*281mm



5F Module = 5*281mm



Modular by Design

Built around a 281mm modular increment, Mons-D Flex delivers a consistent system architecture across trunking rails and modules, simplifying configuration across a range of project layouts.

Standard Lengths : 4F | 5F

Special Order : 6F | 8F | 10F | 12F etc

Electrical Configuration

Mons-D Flex incorporates 2.5mm² solid copper conductors within the trunking system, supporting a maximum load current of 16A. Three-phase selection across L1, L2 and L3 provides flexibility to distribute connected lighting loads across the system.

- Conductor: 2.5mm² solid copper
- Maximum Load Current: 16A
- Phase Selection: L1 / L2 / L3
- Maximum Connected Load: 3200 W*
- Maximum Circuit Length: Up to 212m*

**Maximum connected load and circuit length depend on luminaire configuration, wattage and electrical design requirements. Refer to the Mons-D Flex design guide for detailed circuit loading information.*



2.5mm² COPPER SOLID CORE WIRES

MAXIMUM LOAD CURRENT: 16A

3-PHASE SELECTION: L1 / L2 / L3

MAXIMUM LOAD WATTAGE: 3200W @200-240V

MAXIMUM LENGTH: 212 METERS @200-240V

Finishes

Designed to Integrate

Standard: White / Black
Custom: Project-specific finishes available on request*

**Custom finishes are subject to minimum order quantities and project requirements.*

Features

Continuous Light. Flexible by Design.

Mons-D Flex is designed to maintain a clean, visually continuous line of light across interconnected trunking sections. The flexible diffuser extends across adjoining sections to minimize visible interruptions and create a consistent illuminated appearance throughout the installation.

Luminaire modules and the flexible diffuser can extend into compatible feed and L/T/X trunking sections, helping maintain visual continuity across complex lighting layouts.

Mons-D Flex gives you freedom to change direction and configure the system without unnecessarily breaking the visual line of light.

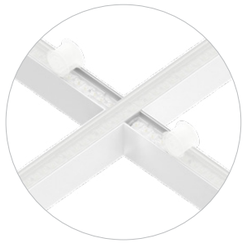
Flexible Layouts:



L-shape Trunking



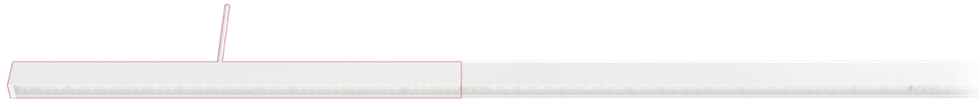
T-shape Trunking



X-shape Trunking



Mid-Feed Trunk

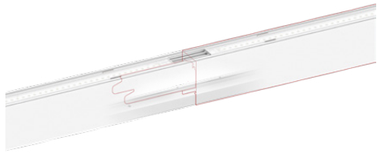


Start-Feed Trunk

Modular Connections



Interconnection of Luminaire Modules



Connection of trunking rails

Continuous Diffuser

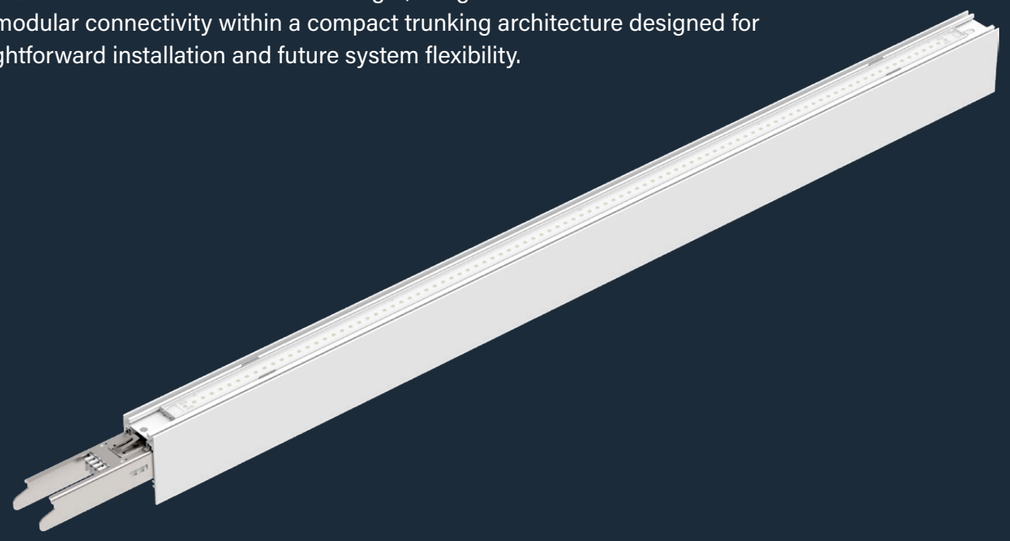


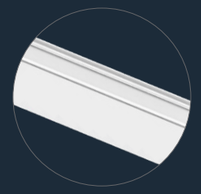
Spread light evenly by flexible diffuser

System Architecture

Engineered from the Inside Out

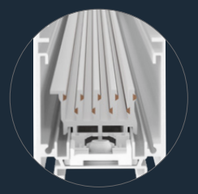
Mons-D Flex combines mechanical strength, integrated electrical distribution and modular connectivity within a compact trunking architecture designed for straightforward installation and future system flexibility.





Extruded Aluminium Housing

Robust 2mm profile providing the structural backbone of the system.



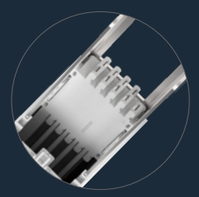
Integrated Conductor Profile

Insulated profile incorporating copper conductors for power, lighting control and additional system functionality.



Mechanical Coupler

Provides secure alignment between adjoining trunking sections.



Electrical Connector

Maintains electrical continuity between interconnected trunking sections.



Rail Locking Mechanism

Secures adjoining sections to support a stable and accurately aligned installation.

Integrated Electrical Trunking

Mons-D Flex is available with 9-wire and 11-wire trunking configurations, providing integrated power, lighting control and functional connectivity within a single modular system.

9-Wire Configuration

Standard System Architecture
Power + Control + Function

The standard 9-wire trunking combines three-phase power distribution, lighting control and dedicated function conductors, providing the electrical infrastructure for Mons-D Flex luminaire and functional modules.

Power Distribution

L1 · L2 · L3 — Neutral · Protective Earth

Lighting Control

DA1 · DA2 — DALI / compatible lighting control

Functional Integration

FN1 · FN2 — Dedicated function conductors

11-Wire Configuration

Direct + Indirect Lighting Integration
Power + Control + Function + Indirect Lighting

The 11-wire configuration extends the standard electrical architecture with 2 additional conductors dedicated to the Indirect Lighting Module, allowing direct and indirect lighting to be integrated within the same Mons-D Flex trunking system.

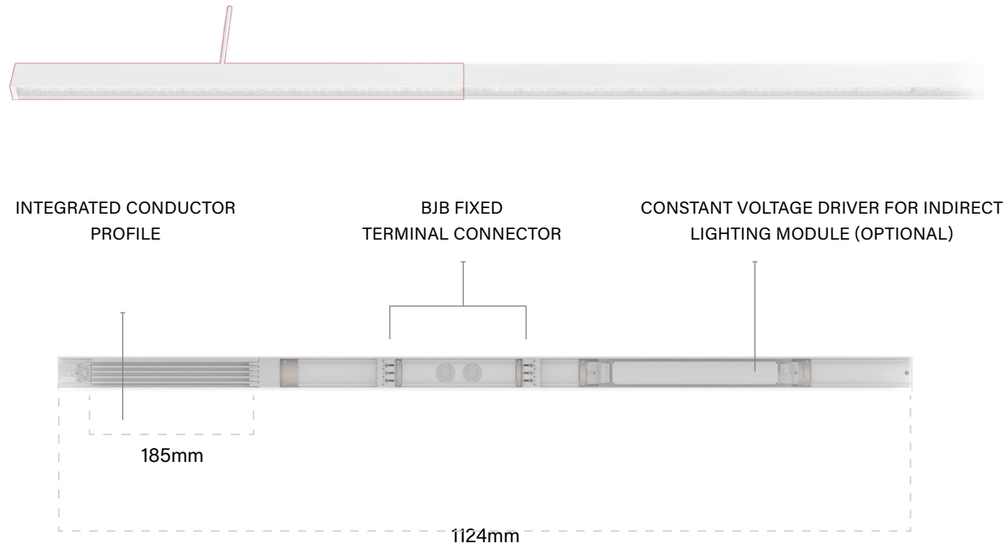
Specification Note

Specify 11-Wire trunking when indirect lighting is required.

Power Feed-in Options

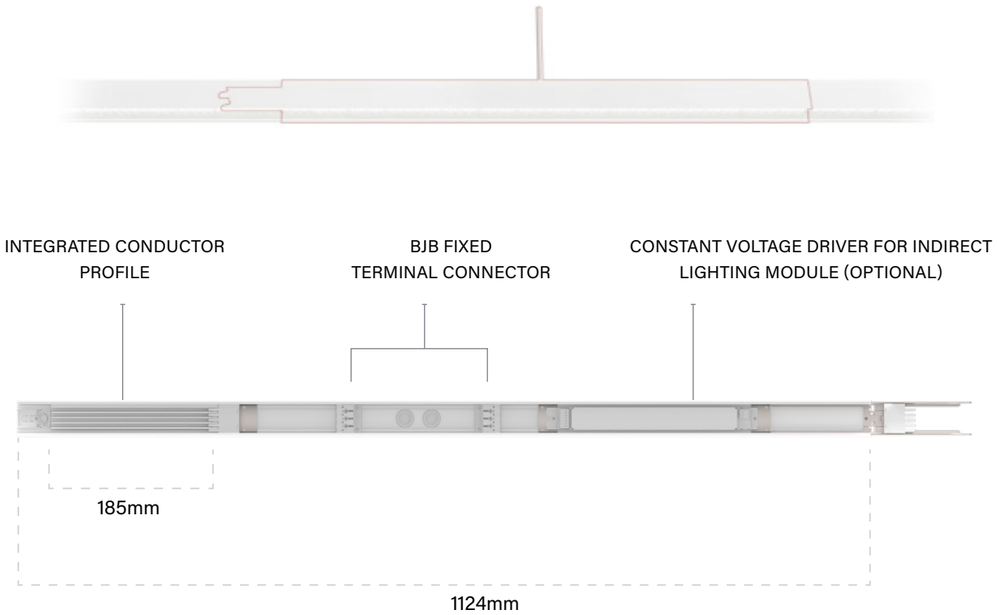
Start-Feed Trunk

Introduces power at the beginning of a trunking run.



Mid-Feed Trunk

Introduces power at an intermediate point within the trunking run, providing greater flexibility for system layout and circuit configuration.



Lighting, tailored to the application

Three Options

Lens Module

High Efficiency. Controlled Illumination.

High-efficiency optical system with 60° and 90° distributions, delivering controlled, uniform illumination with excellent light quality.

Prismatic Module

Wide Distribution. Enhanced Visual Comfort.

Micro-prismatic optics with a 100° wide distribution, designed for broad, uniform illumination with effective glare management.

Grill Module

Controlled Light. Exceptional Visual Comfort.

Deep-cell optical design with a 50° distribution, providing controlled, low-glare illumination and designed to achieve UGR <19*.

**UGR <19 is achievable under suitable installation conditions and is dependent on the application and installation configuration.*

Lens Module

Wide Distribution. Enhanced Visual Comfort.

A high-efficiency optical module delivering controlled, uniform illumination with 60° and 90° distributions. High transmission optics and glare-controlled design ensure visual comfort, while selectable CCT and wattage options provide application flexibility.



Glare-Control Diffuser

Longitudinal glare reduction and uniform light distribution.



High-Performance LED System

Efficiency, lifetime, CRI and colour consistency.



Tool-Free Module Access

Clean integration with straightforward maintenance.



Precision Optical System

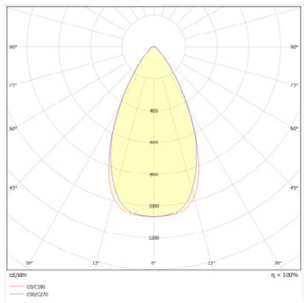
High-transmission lens providing controlled and uniform light distribution.



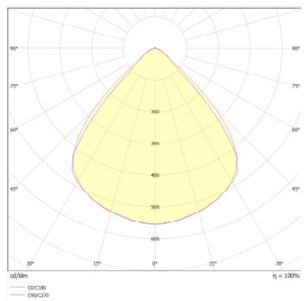
Specifications

Parameters	
Standard Length	4F (1124mm) | 5F (1405mm)
Power	17 / 22 / 26/ 30W
Lumen output	2650 - 4560 lm
Luminous Efficacy	150 lm/W
CRI	>90
CCT	3000K / 3500K / 4000K
Colour Consistency	3 SDCM
Beam Angle	60° / 90°
Protection	IP50
Control	On / Off / DALI
Lifetime	100,000 hrs / L80B20
Finish	White / Black / Custom

60°



90°



Prismatic Module

Wide Distribution. Enhanced Visual Comfort.

Designed for broad, uniform illumination, the Mons-D Flex Prismatic Module combines a 100° light distribution with micro-conical prismatic optics to help manage glare and create a comfortable, consistent illuminated environment.



Micro-Prismatic Diffuser

Micro-conical prisms reduce glare and ensure uniform light distribution. 100° beam for broad, even general illumination



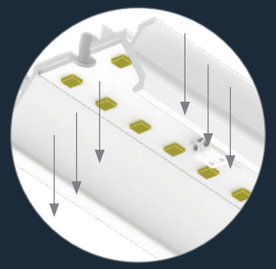
High-Performance LED System

138 lm/W efficacy with CRI >90 and 3 SDCM for consistent light quality. 100,000 h / L80B20 lifetime.



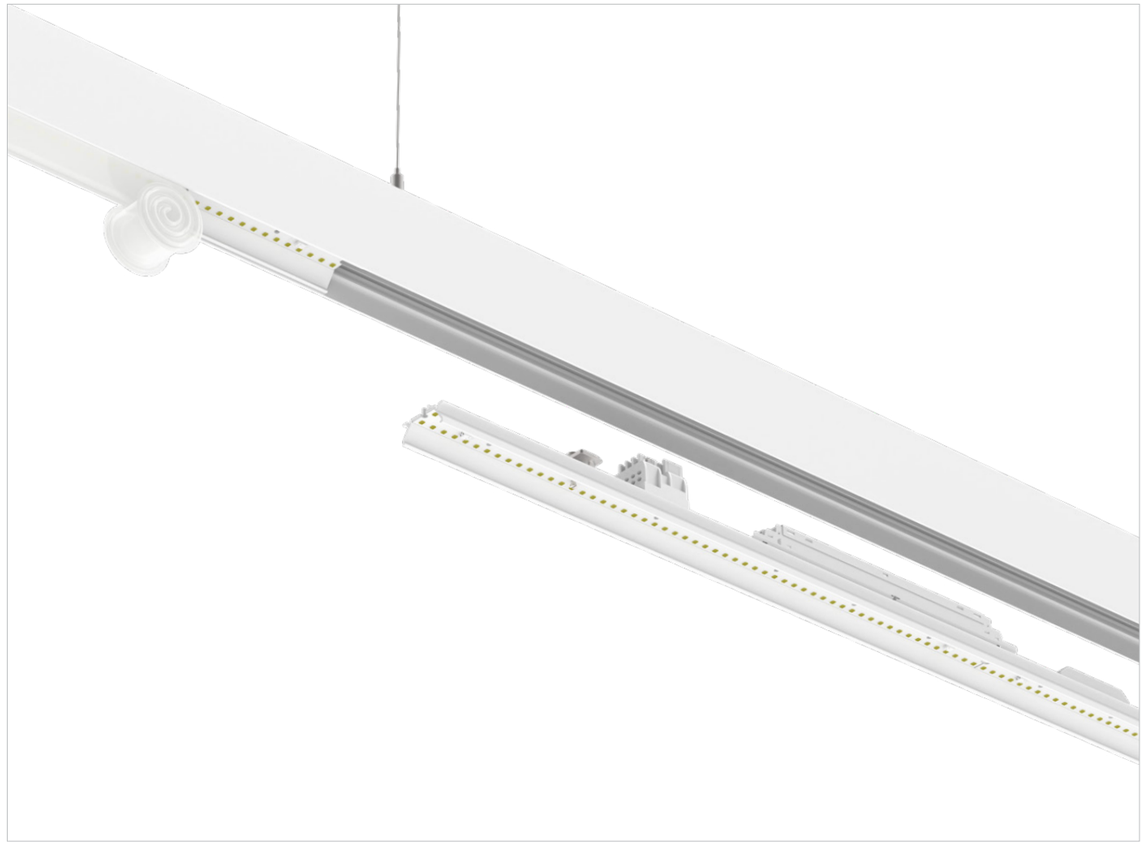
Tool-Free Module Access

Concealed locking enables clean design and easy maintenance accessfree maintenance and replacement.



High-Reflectance Optical Chamber

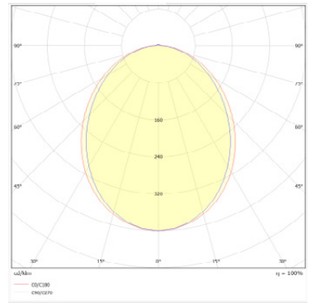
Trapezoidal chamber with high-reflectance material maximizes light output and uniformity.



Specifications

Parameters	
Standard Length	4F (1124mm) / 5F (1405mm)
Power	17 / 22 / 26 / 30 W
Lumen Output	2345 - 4080 lm
Luminous Efficiency	138 lm/W
CRI	>90
CCT Lifespan	3000K/3500K/4000K
Colour Consistency	White / Black / Custom
Beam Angle	100°
Protection	IP50
Control	On/Off, DALI
Lifetime	100,000 hrs / L80B20
Colour	White / Black / Custom

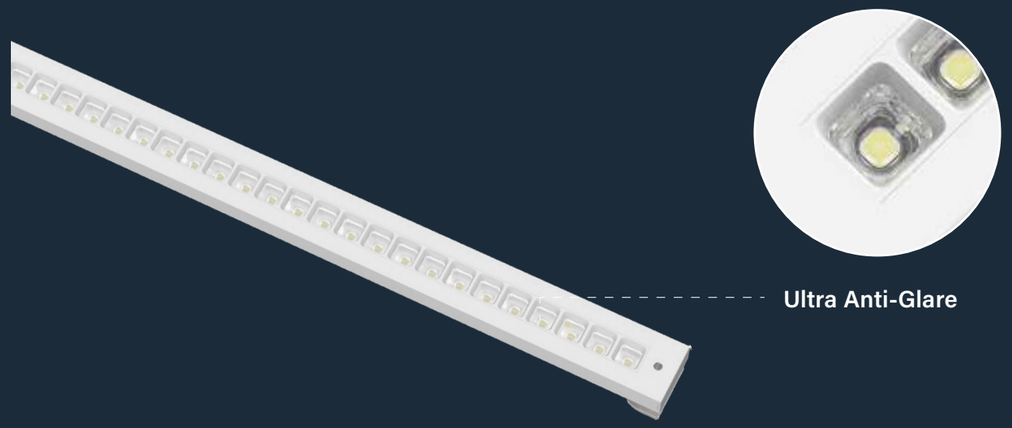
100°



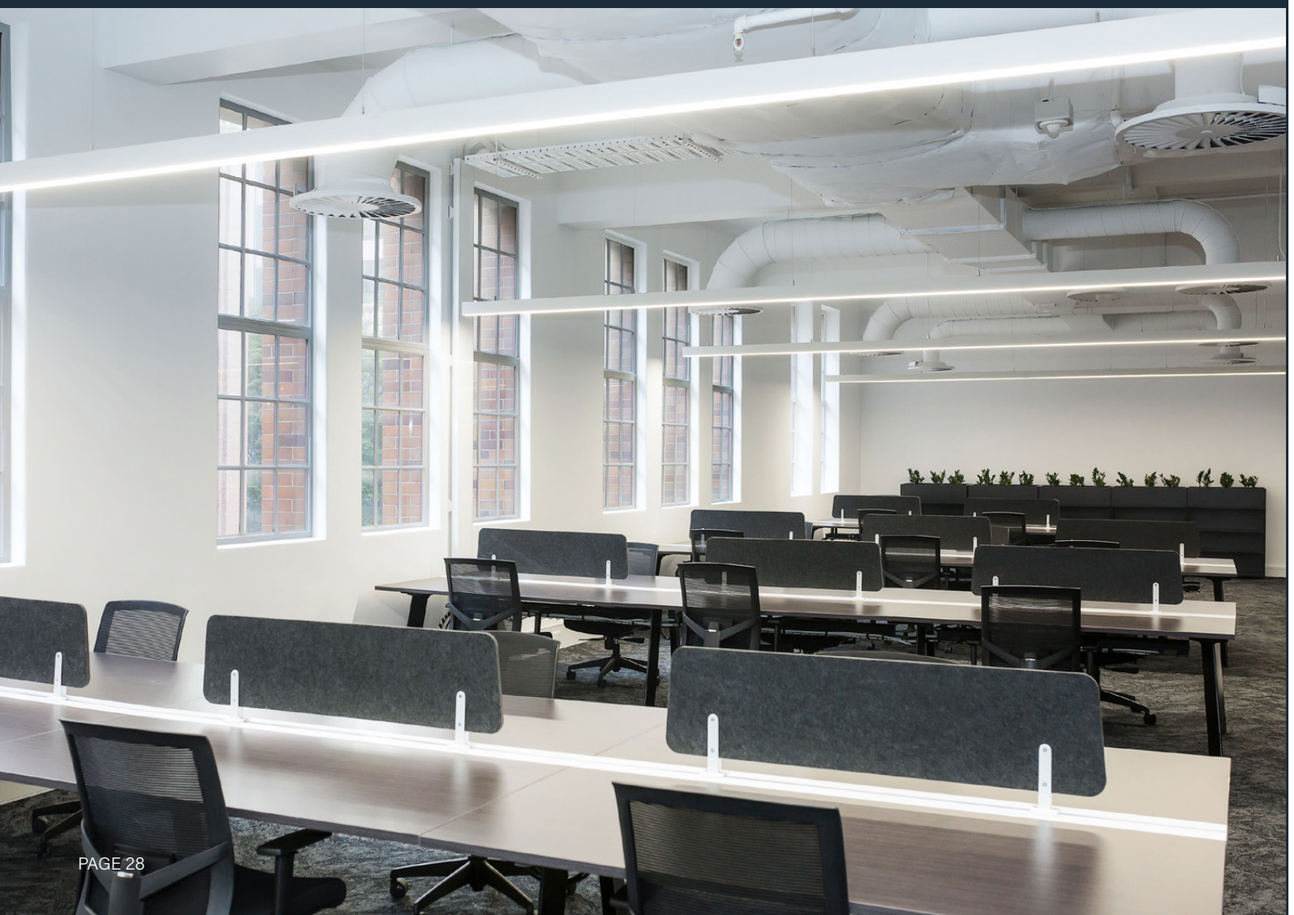
Grill Module

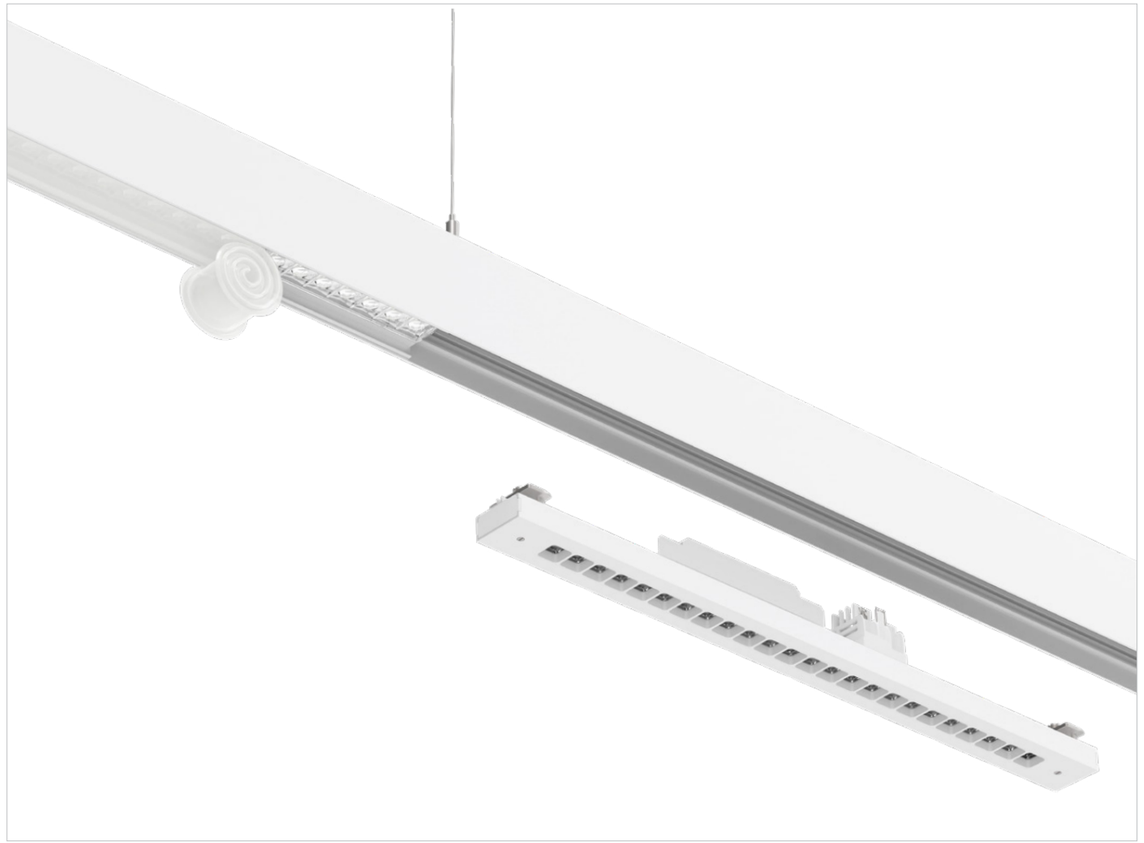
Controlled Light. Exceptional Visual Comfort.

The Mons-D Flex Grill Module combines a deep-cell optical design with a 50° beam distribution to deliver controlled, low-glare illumination with UGR <19* performance for enhanced visual comfort.



Ultra Anti-Glare

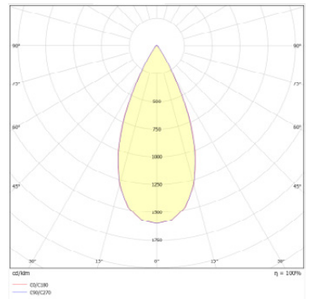




Specifications

Parameters	
Standard Length	4F (1124mm)
Power	17 / 22 / 26 / 30W
Lumen Output	220 - 3900 lm
Luminous Efficiency	130 lm/W
CRI	>90
CCT	3000K / 4000K
Colour Consistency	3 SDCM
Beam Angle	50°
Protection	IP50
Lifespan	100,000 H / L80B20
Finish	White / Black / Custom

50°



Functional Modules

More Than Lighting

Extend Mons-D Flex with integrated sensing, emergency and track lighting options, adding functionality while maintaining a clean, unified system.

Track Rail Module



Flexible Accent Lighting

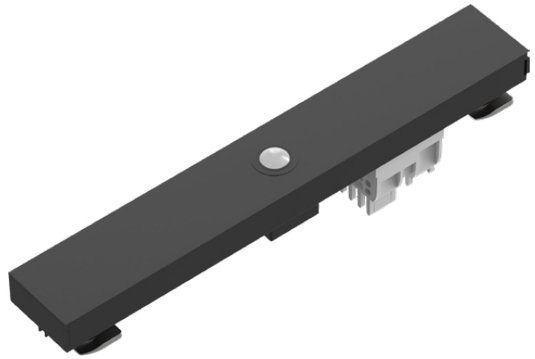
Integrates directional track lighting with Mons-D Flex, combining general and accent lighting within one flexible platform.

Standard: Powergear

Optional: Global · Stucchi · Eutrac

Ideal for retail, showrooms and commercial spaces where displays and lighting requirements may change over time.

Sensor Module

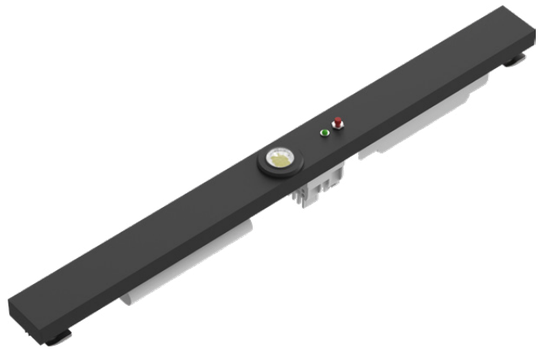


Integrated Lighting Automation

PIR motion and daylight sensing enables automated lighting control based on occupancy and available daylight.

360° | 6 m | Ø8m | DALI / Casambi

Emergency Module



Emergency Lighting, Integrated

Non-maintained emergency lighting integrates directly within Mons-D Flex for a clean and consistent system appearance.

4W | 500 lm | 3 hr

*** Hive Monitored Option**

Compatible with Clevertronics LP HIVE Monitored Lifelight SM as an add-on option for integration with existing Clevertronics HIVE monitored emergency lighting systems.

Indirect Lighting Module

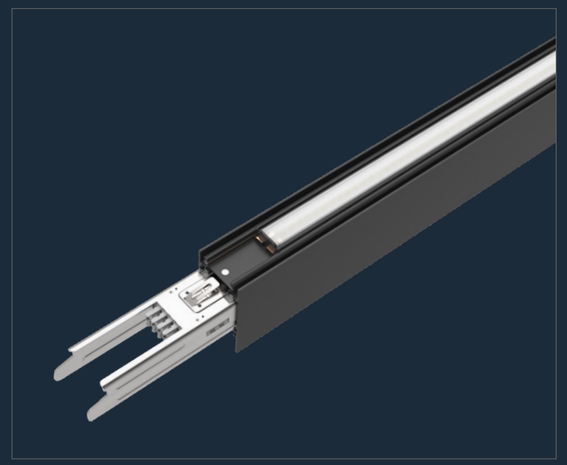
Add another dimension.

Integrated upward illumination adds ambient light and visual depth while maintaining the clean architectural form of the Mons-D Flex system.

Ideal For

Offices & Shared Workspaces · Co-working Hubs · Retail & Showrooms · Reception & Common Areas





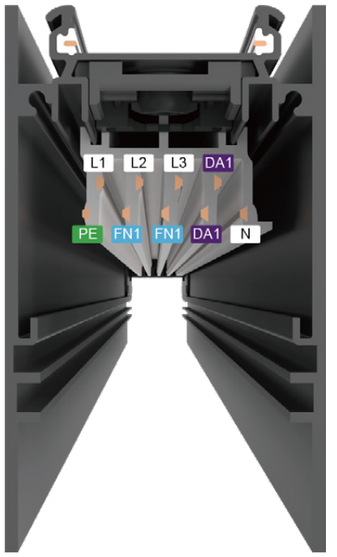
Parameters	
Length	1000mm
Power	10W | 15W
Lumen Output	1230 - 1840 lm
Luminous Efficiency	150lm/W
CRI	>90
CCT	3000K / 3500K / 4000K
Colour Consistency	3 SDCM
Beam Angle	145° (batwing pattern)
Protection	IP20
Control	On/Off, DALI, 10V
Lifetime	> 62,000 H / L80B20
Finish	White / Black
Mounting	Clip-on with Rail Connector & 11 wire trunking rail only.

Designed for Complete Integration

9-Wire Configuration: Standard Mons-D Flex



11-Wire Configuration: Mons-D Flex + Indirect



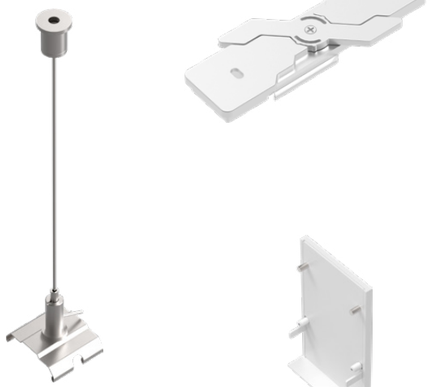
Specify 11-Wire trunking when indirect lighting is required.



System Accessories

Complete the System

Dedicated accessories provide additional flexibility for mounting, finishing and configuring Mons-D Flex to suit different project requirements.









Mounting Options

Surface-Mounting Kit

Clean, secure mounting for direct-to-surface installations.

Suspension Kit

Adjustable suspension solution for pendant-mounted configurations.

System Finishing

Magnetic Endcap

Tool-free magnetic attachment provides a clean finish with easy access when required.

Aluminium Blank Cover

Covers unused trunking sections while maintaining a clean, integrated appearance.

Plastic Blank Cover

A lightweight cover option for completing unused sections of the trunking system.

Lighting Enhancements

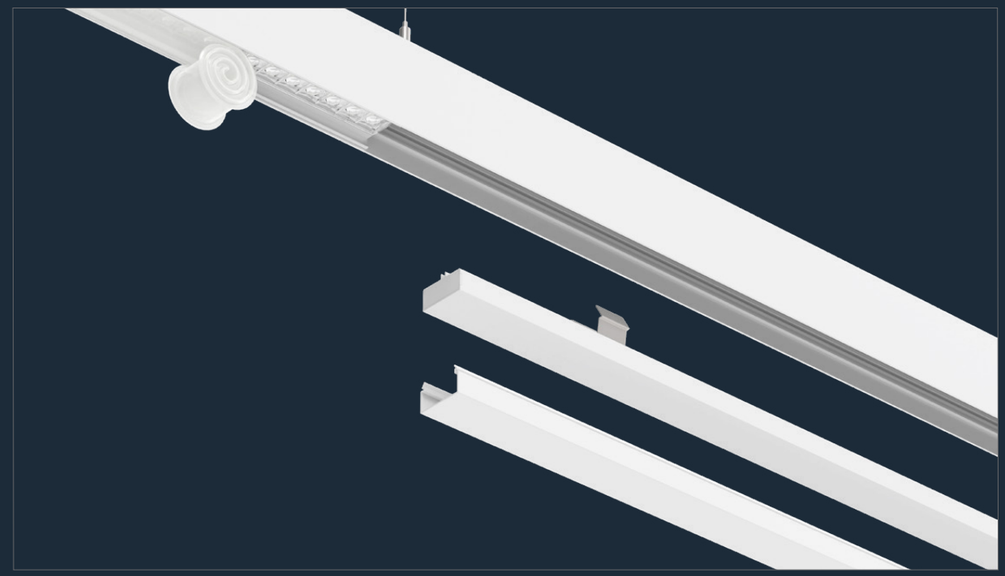
Flexible Diffuser

Creates a continuous illuminated appearance across compatible trunking sections and configurations.

Indirect Lighting Mounting Bracket

Dedicated mounting accessory for integrating the Indirect Lighting Module with the trunking system.

Blank Functional Module







Parameters	
Series	Blank Cover Module
Length	1124mm / lengths can be customised on request
Function	Cover blind rail
Materials	Aluminium or PVC
Type	Can be cut on site

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