

# MTLx

The most advanced tunnel lighting system in the world.

- BEST-IN-CLASS EFFICIENCY
- IP66 / IK10 EXTRUDED ALUMINIUM
- clearNET WIRELESS MESH
- OPTIONAL NiMH BATTERY · NFPA 130



# One fixture family for every mode of tunnel illumination.

MTLx is a single extruded-aluminium platform that carries Standard Mode and Work Mode, an optional integral NiMH battery for emergency ride-through, and the clearNET wireless mesh — in one housing, on one mounting bracket, with one part-number system.

**6 W**

NFPA 130 BASELINE

**60 W**

OSHA 1926 WORK MODE

**IP66 / IK10**

SEALED • IMPACT RATED

**15+ YR**

DESIGN LIFE (PRO)

STANDARD MODE • WORK MODE • OPTIONAL NiMH BATTERY RIDE-THROUGH

6 W - 60 W ENVELOPE • NFPA 130 BASELINE AT 6 W

1 FC AT 10 W • 2 FC AT 16 W • WORK MODE AT 60 W

# Designed for every mode of required tunnel illumination.

The MTLx addresses tunnel illumination in a single form factor. Light level is set per fixture through the clearNET wireless mesh network, which also performs health and diagnostic monitoring on the light engine, driver and optional battery.



- |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>01 Uplight lens</b><br/>0.187" nano-antistatic polycarbonate</p> <p><b>03 Extruded aluminium housing</b><br/>0.125" wall · clearNET end-can · IP66 / IK10</p> <p><b>05 clearNET wireless module</b><br/>900 MHz mesh end-can · sealed quick-connect to housing</p> <p><b>07 NiMH battery pack</b><br/>shrink-wrapped cells · optional 1 / 2 / 4 hour, self-diagnosing</p> | <p><b>02 Uplight LED board</b><br/>aluminium-core PCB · 1,000–2,000 lm linear array</p> <p><b>04 Removable LED light engine</b><br/>optic, frame, handle · silicone lens · release in under ¼ turn, captive LV lead</p> <p><b>06 Internal LED driver</b><br/>~1/3 rated load · 6 °C rise</p> <p><b>08 Aluminium mounting bracket</b><br/>0.125" extruded · 8.5" × 10.5" · retrofit bolt pattern</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

MTLx PRO EXPLODED VIEW — FROM CAD TL4064-29 · PARTS PULLED ALONG THEIR ASSEMBLY DIRECTIONS

## Two operating modes

Standard Mode is the default downlight state: 6 W meets the NFPA 130 baseline at 3:1 uniformity, and the same engine presets to any level an agency specifies — 1 fc at 10 W, 2 fc at 16 W. Work Mode adds uplight and lifts total output to roughly 60 W for OSHA 1926 work zones.

## NFPA 130 compliance

The optional integral NiMH battery gives 1, 2 or 4 hours of ride-through on the same downlight — removing two-hour fire-rated emergency circuits, junction boxes and generators. It self-diagnoses through clearNET.

## clearNET wireless mesh

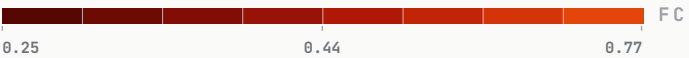
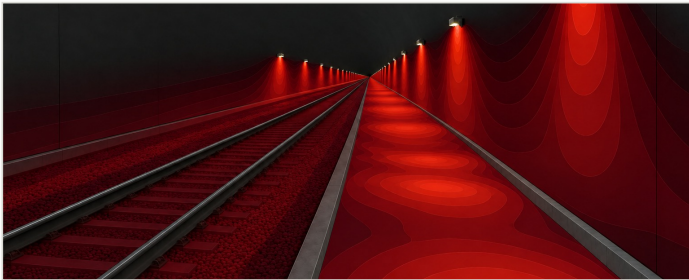
A 900 MHz self-healing mesh monitors fixture, driver and battery health, sets light level by tunnel, zone or fixture, integrates with existing EAM platforms and carries data for non-lighting sensors.

## Impervious to abuse

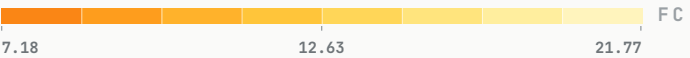
Heavy-gauge extruded aluminium, high impact-resistant lensing, tamperproof stainless T15 centre-pin-reject fasteners and an IP66-rated housing withstand extreme physical and environmental abuse. IK10 rated.

# Uniform light at every level the code asks for.

MTLx delivers high, uniform light levels for visual comfort and safety. Even at 25 ft spacing the system meets or exceeds the required levels for emergency egress, maintenance and construction task lighting, and ceiling inspection.



**STANDARD MODE • NFPA 130**  
0.44 FC AVERAGE • DOWNLIGHT ONLY • 6 W



**WORK MODE • OSHA 1926**  
12.63 FC AVERAGE • DOWNLIGHT + UPLIGHT • 60 W

| SCENE                                               | MOUNTING HEIGHT | SPACING | WALL REFL. | MAX FC | MIN FC | AVG FC | MAX/MIN | POWER REQUIRED |
|-----------------------------------------------------|-----------------|---------|------------|--------|--------|--------|---------|----------------|
| Standard Mode<br>NFPA 130 baseline — downlight only | 10 ft           | 25 ft   | 10%        | 0.77   | 0.25   | 0.44   | 3.07    | 6 W            |
| Standard Mode<br>1 fc setting — downlight only      | 10 ft           | 25 ft   | 10%        | 3.07   | 1.00   | 1.77   | 3.07    | 10 W           |
| Standard Mode<br>2 fc setting — downlight only      | 10 ft           | 25 ft   | 10%        | 6.14   | 2.00   | 3.54   | 3.07    | 16 W           |
| Work Mode<br>OSHA 1926 — uplight + downlight        | 10 ft           | 25 ft   | 10%        | 21.77  | 7.18   | 12.63  | 3.03    | 60 W           |

False-colour renders above visualise the calculated illuminance on the same tunnel section, 25 ft on-centre. Point-by-point calculation from Intertek LM-79 photometry of the TL4064-00-40 (reports 106664730CRT-001/-002, August 2026; IES files on request). Reference tunnel: 16'-8" diameter circular section; 14'-4" from track to crown; 3' walkway 3' above track; fixtures 10' above track (7' above the walkway) and 4" off the wall at 25' o.c.; 10% surface reflectance; 0.70 light loss factor. Illuminance is reported at the walkway centreline. Setting names are minimum-illuminance targets; the fc columns report the modelled result for that setting; the Work Mode row is the tested full output. Power is fixture input at 277 V with the clearNET node: LED and driver from the LM-79 points (12.4 W at 1,441 lm; 54.9 W at 7,016 lm) with driver efficiency falling at low output, plus 2 to 3 W for the node; Work Mode is listed at its 60 W rated input. The optional NiMH battery adds about 1 W of maintenance charge (up to 4 W while recharging). Any level between the 6 W baseline and 60 W Work Mode can be preset per fixture over clearNET; Clear-Vu Lighting can provide simulations against specific customer light-level requirements.

## IP66

Dust-tight and water-tight — the highest level of particulate and water protection short of the submersible categories.

## OSHA 1926

The 5 fc required for work in 1926.56 is exceeded along the whole walkway in Work Mode (7.2 fc minimum), with max/min near 3:1 for uniform working light.

## NFPA 130

Emergency egress lighting for fixed guideway transit and passenger rail. The 1 fc setting runs at 10 W; the 6 W baseline is the agency-specified minimum, on mains or on battery.

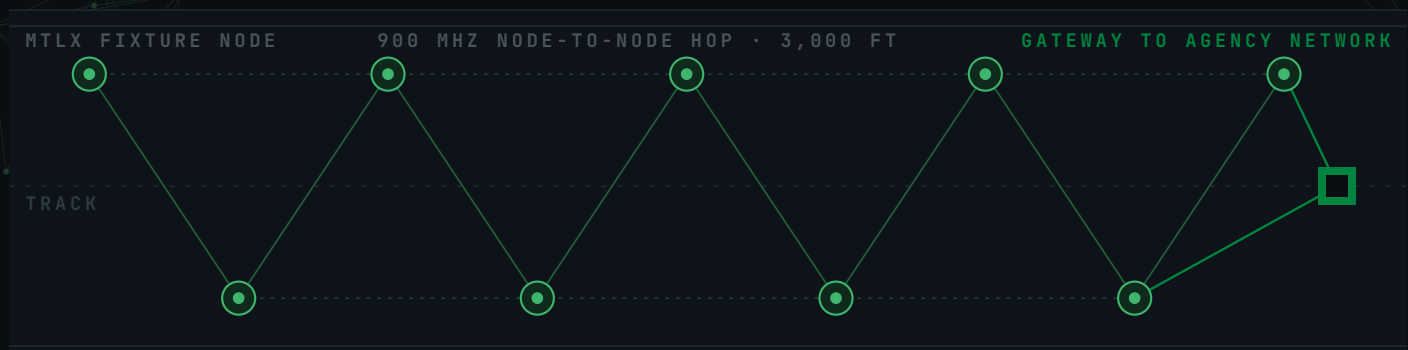
## MADE IN USA

All MTLx LED fixtures are made in Central Islip, New York and are BABA compliant. UL (pending), IK10, IP66. Five-year warranty.

PURPOSE-BUILT FOR TUNNELS • IN REVENUE SERVICE SINCE 2018

# We set it up once. After that, it runs itself.

clearNET is a 900 MHz self-healing wireless mesh built for one environment: the inside of a tunnel. Not a building protocol asked to survive underground — a radio designed for concrete, steel, curvature and moving trains, carried on the fixture itself. It has been in revenue service since 2018 and is tuned to NYCT specification 16ES.



EVERY FIXTURE IS A NODE AND A REPEATER — LOSE ONE AND THE SEGMENT RE-ROUTES

## HOW IT GETS DEPLOYED

01

### We commission it

Clear-Vu provisions every fixture, verifies node-to-node margin and hands over a mesh that is already reporting. No agency IT project.

02

### It heals itself

Nodes discover their own neighbours and re-route around a failed or removed fixture. Adding fixtures extends the mesh; nothing is re-planned.

03

### You get autopilot

Light levels, Work Mode windows, NFPA 130 self-tests and fault reporting run on schedule. The agency is notified, not asked to go looking.

2018

IN REVENUE SERVICE

900 MHz

LICENCE-FREE BAND

3,000 ft

NODE-TO-NODE REACH

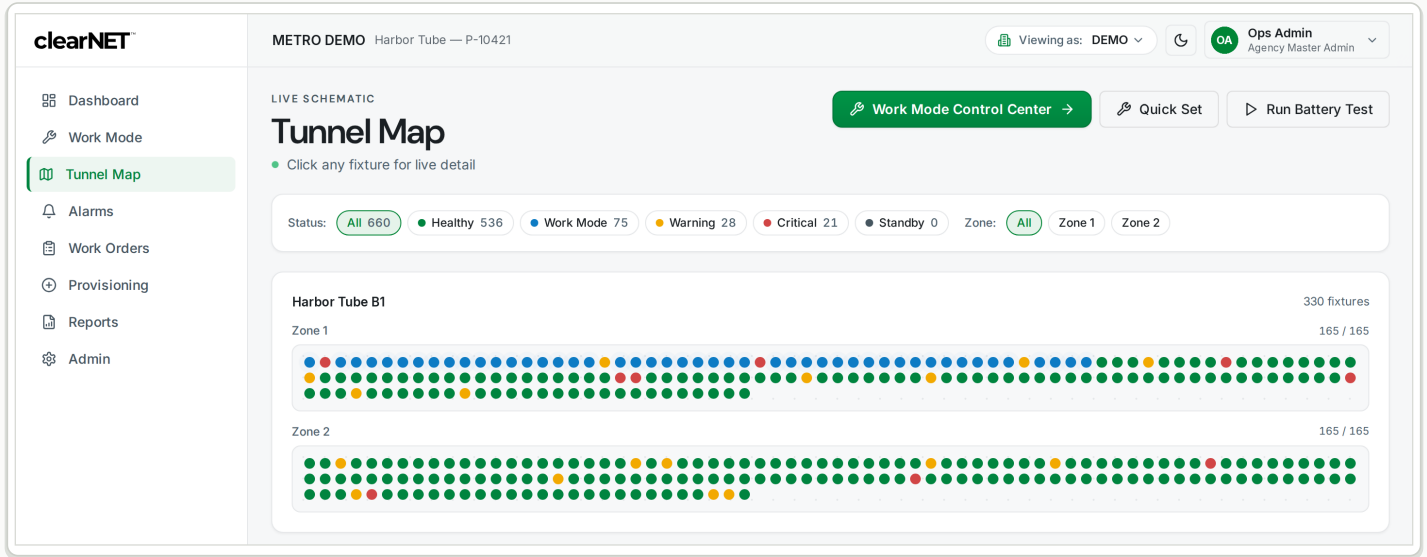
5,000+

FIXTURES DEPLOYED

NYCT SPECIFICATION 16ES • STANDARD ON MTLX PRO • OPTIONAL (CN1) ON MTLX OG

# Reports come to your inbox. Work Mode comes off a magnet.

Two surfaces, and an agency only needs one of them. The dashboard is there when someone wants to look; everything that matters arrives on its own. And the crew in the tunnel never opens either.



CLEARNET TUNNEL MAP • LIVE SCHEMATIC 660 FIXTURES • 536 HEALTHY • 75 IN WORK MODE • 28 WARNING • 21 CRITICAL

## ONE TOUCH. THE WHOLE SEGMENT. EIGHT HOURS.

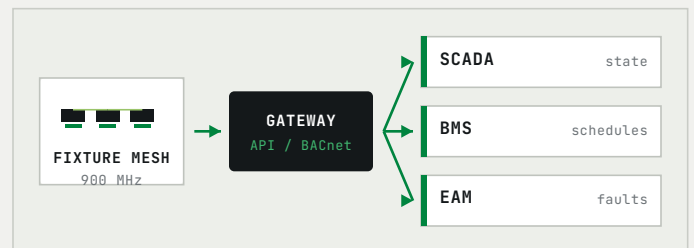


WORK MODE MAGNET ACTIVATION

### One touch, whole segment

A crew touches a magnet wand to the underside of any fixture from the walkway. clearNET propagates Work Mode across the entire tunnel segment for eight hours, then reverts every fixture to NFPA 130 egress on its own. No app, no login, no dispatcher, no site visit to turn it back off.

BABA COMPLIANCE APPLIES TO MTLX LED FIXTURES. CLEARNET IS NOT BABA-COMPLIANT.



CLEARNET • GATEWAY • AGENCY SYSTEMS

### Integration hooks

Read-only and control endpoints for SCADA, BMS and EAM platforms, so lighting state and fault data land in the systems an agency already watches. Scheduled reports export daily, weekly or monthly, with a master-admin audit log of every control action.

# One platform. Three service models.

MTLx OG is the original — the platform already in service across North American transit. The 2026 edition adds MTLx Pro, with a hand-replaceable light engine for 15+ year mainline service, and MTLx Mini, a compact sealed fixture that comes off its bracket on two screws.



PRO AND OG SHARE THE 18" OVERALL LENGTH • MINI IS 5.4" × 10.5"

## MTLx Pro

TL4064P

Flagship · 18" overall

## MTLx OG

TL4064

The original · 18" overall

## MTLx Mini

TL4064M

Sealed · 5.4" × 10.5" body

|                 | MTLX PRO<br>TL4064P | MTLX OG<br>TL4064   | MTLX MINI<br>TL4064M |
|-----------------|---------------------|---------------------|----------------------|
| Body            | 18" overall         | 18" overall         | 5.4" × 10.5"         |
| Positioning     | Mainline revenue    | The proven original | Mass retrofit        |
| Design life     | 15+ years           | 10 years            | 15 years (sealed)    |
| Light engine    | Hand-removable      | Integrated          | Integrated, sealed   |
| Uplight         | Integral, 1-2k lm   | Optional, 1-2k lm   | Not offered          |
| Operating modes | Standard + Work     | Standard + Work     | Standard only        |
| clearNET        | Standard            | Optional (CN1)      | Not offered          |
| NiMH battery    | Optional 1/2/4 h    | Optional 1/2/4 h    | Not offered          |
| Field service   | Swap the engine     | Swap the fixture    | Two screws           |

All three share the same LED and silicone-lens downlight engine and the same IP66 / IK10 extruded-aluminium housing family. Made in the USA. BABA compliant (LED fixtures). See the individual spec sheets for full ordering information and photometrics.

Base configurations. MTLx Pro: 15.4" housing, 18" overall with the clearNET end-can; 22.4" housing with the 2-hour battery. MTLx OG: same housing, end-can and 22.4" battery housing; 18" overall. Pro Blue shares the Pro body and cross-section.

Same fixture. Next generation.

NO TOOLS • NO REWIRING • NO RE-AIM

# MTLx Pro

TL4064P

MTLx Pro is the MTLx you already run, engineered for 15+ years on the wall. It keeps the driver, surge protector, wiring and aiming mounted and lets a technician take the LED engine off by hand from the walkway — so the asset is serviced in minutes rather than replaced.

## A Removable light engine

The LED module releases by hand from the walkway. Driver, surge protector, wiring and aiming all stay on the wall, and a keyed seat preserves aim on reassembly. No tools, no re-commissioning.

## B 15+ year design life

The driver runs at roughly one third of rated capacity with a 6 °C ISTMT case rise, well inside spec. The LED array carries a 100,000-hour lifetime floor; the 15-year target follows an Arrhenius projection on the OEM thermal data.

## C One touch. Eight hours.

A crew taps any fixture with a magnet wand and the whole tunnel segment goes to full Work Mode for eight hours, then auto-reverts to NFPA 130 egress on its own. No app, no login, no site visit. clearNET is standard and does the work in the background.

### FIELD SERVICE

## Three moves. One pair of hands.



### 01 Locked position

Engine seated in the housing underside; the integral handle is captured by the spring-clip release. Support it by the handle before anything else.



### 02 Press clip, rotate out

Press the spring clip and rotate the engine out by its integral handle — a partial rotation, less than a quarter turn. No tools.



### 03 Lower and unplug

Lower the engine on its captive low-voltage lead and unplug the inline quick-connect by hand. The replacement seats home, keyed; the clip re-engages.

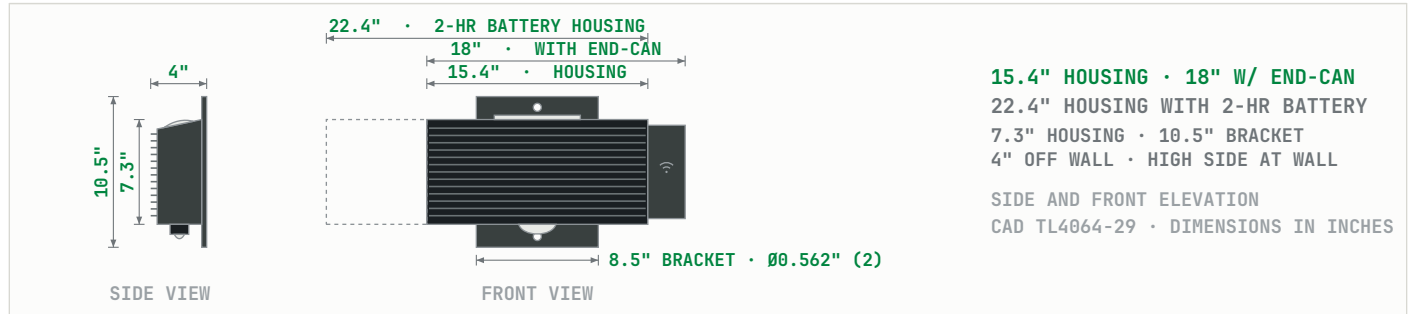
SPRING CLIP • INTEGRAL HANDLE • LV QUICK-CONNECT • KEYED SEAT • NO TOOLS • CREWS FOLLOW AGENCY ISOLATION AND TRACK-ACCESS RULES

TL4064P

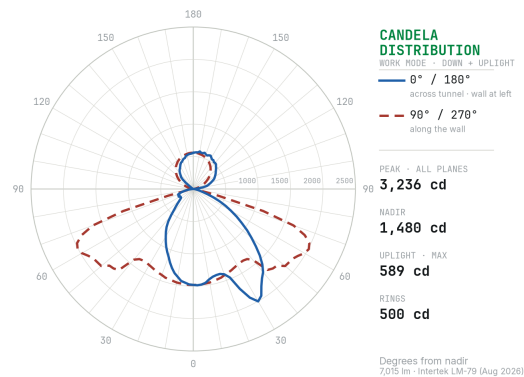
MTLx Pro

## DIMENSIONAL DATA

SPECIFICATIONS • PHOTOMETRICS • ORDERING



## PHOTOMETRICS



INTERTEK LM-79 • WORK MODE • CANDELA

## SPECIFICATIONS

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Housing         | 0.125" extruded aluminium • IP66 / IK10                   |
| Downlight       | Silicone lens • Tier-1 COB array • removable engine       |
| Uplight         | Integral 1,000–2,000 lm • 0.187" nano-antistatic PC       |
| Operating modes | Standard and Work Mode • magnet wand • 8-hour timed cycle |
| Electrical      | 120–277 VAC single or dual feed • 480 VAC • 600 VDC       |
| Operating range | –20 °F to +130 °F                                         |
| Wireless        | clearNET standard • 900 MHz mesh • 3,000 ft node-to-node  |
| Battery         | Optional NiMH self-diagnosing • 1 / 2 / 4 hour            |
| Hardware        | Stainless T15 centre-pin-reject                           |
| Connections     | 3' whip standard • QC1 / QC2 • 2-hour fire-rated QC       |
| Listings        | UL (pending) • IK10 • IP66 • BABA compliant • Made in USA |
| Warranty        | 5 years                                                   |

| SCENE                              | MAX FC | MIN FC | AVG FC | WATTS |
|------------------------------------|--------|--------|--------|-------|
| Standard Mode<br>NFPA 130 baseline | 0.77   | 0.25   | 0.44   | 6 W   |
| Standard Mode<br>1 fc setting      | 3.07   | 1.00   | 1.77   | 10 W  |
| Standard Mode<br>2 fc setting      | 6.14   | 2.00   | 3.54   | 16 W  |
| Work Mode<br>OSHA 1926 • up + down | 21.77  | 7.18   | 12.63  | 60 W  |

Intertek LM-79 photometry (Aug 2026) • 16'-8" dia. tunnel • 14'-4" crown • 3' walkway • 10% reflectance • 0.70 LLF • 10' above track • 25' o.c. • walkway centreline • fixture power incl. clearNET node; the optional battery adds about 1 W

## ORDERING INFORMATION

**TL4064P** MTLx Pro

SERIES BATTERY COLOUR TEMP PAINT COLOUR LUMENS POWER OPTIONS

TL4064P — — — — —

**BATTERY**  
**00** None  
**01** 1-hour  
**02** 2-hour  
**04** 4-hour

**DOWNLIGHT LUMENS**  
**L** 800  
**L2** 1,200  
**M1** 2,600  
**H1** 3,900

**COLOUR TEMP**  
**35** 3,500K  
**40** 4,000K  
**50** 5,000K  
**B** Blue optic (emergency)  
**Y** Yellow

**POWER INPUT**  
**U** 120–277 VAC  
**U2** Dual feed  
**S** 480 VAC  
**D** 600 VDC

**PAINT**  
**05** Matte black  
**06** Gunmetal

**OPTIONS**  
**W1** Uplight (1,000 lm)  
**CN1** clearNET control  
**HS1** Temperature sensor  
**QC1** Standard QC  
**QC2** Dual-feed QC  
**FR** 2-hour fire-rated QC  
**REN** Spare LED engine  
**CC** Conduit connection

Uplight (W1) and clearNET (CN1) ship standard on MTLx Pro. Blue optic (B) is supplied without uplight — W1 does not apply to Pro Blue.

PATENTS: [CLEARVULIGHTING.COM/COMPANY/LEGAL](https://clearvulighting.com/company/legal) BLUE-LIGHT OPTION: SEE MTLX EMERGENCY BLUE (P14).

The original. Already on the wall.

CONFIGURABLE · UPLIGHT OPTION · clearNET CN1

# MTLx OG

TL4064

MTLx OG is the original MTLx — the fixture already spec'd, installed and running across North American transit, including the Rutgers Tube. Same extrusion profile, same optic and same mounting as Pro on the full 18" assembly, configured to order: downlight-only, or add uplight, clearNET and a battery.

**A**

## The proven original

MTLx OG is the fixture already in the field, not a proposal. Ten-year design life on the same driver philosophy as MTLx Pro — loaded at roughly 30% of rated capacity, thermally managed by the extrusion and engineered around the capacitor as the limiting component.

**B**

## Configurable to order

Downlight-only, or with 1,000–2,000 lm uplight. Add clearNET wireless, a NiMH battery (1 / 2 / 4 hour) or an ambient temperature sensor. Universal input across 120–277 VAC, 480 VAC and 600 VDC.

**C**

## Same housing, same optic

The same 4" × 7.3" extruded-aluminium housing envelope at 18" overall, the same silicone downlight lens and the same IP66 / IK10 ratings, with the polycarbonate uplight ordered as an option rather than integral. The engine is integrated.

## APPLICATIONS

## Already in service across North American transit.

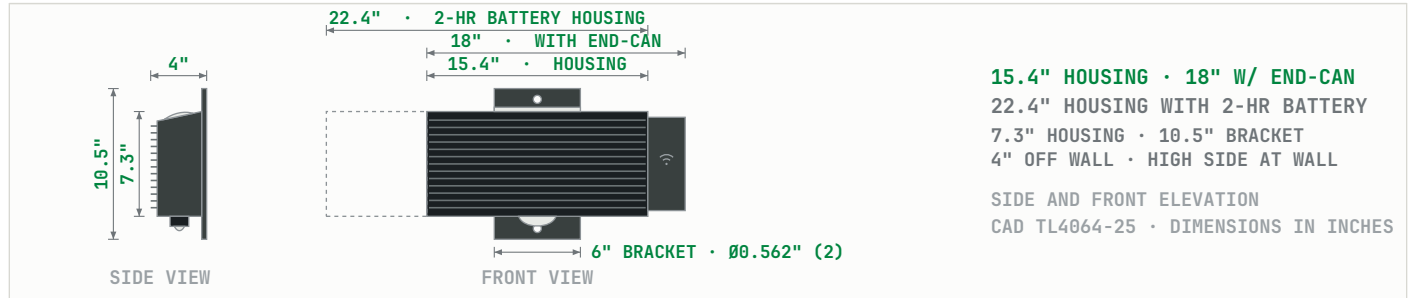
- Active mainline retrofits and new-build tunnels
- Passenger rail and fixed-guideway transit
- Highway and rail tunnels with clearNET integration
- Facilities on 480 VAC or 600 VDC infrastructure
- Agencies specifying NFPA 130 emergency illumination and OSHA 1926 work-zone illumination
- Ships downlight-only, with uplight, or fully loaded
- clearNET CN1: 900 MHz mesh, dashboard and reporting
- NiMH battery packs meet the intent of NFPA 130
- Quick-connect and 2-hour fire-rated connectors
- Same five-year warranty across every configuration

TL4064

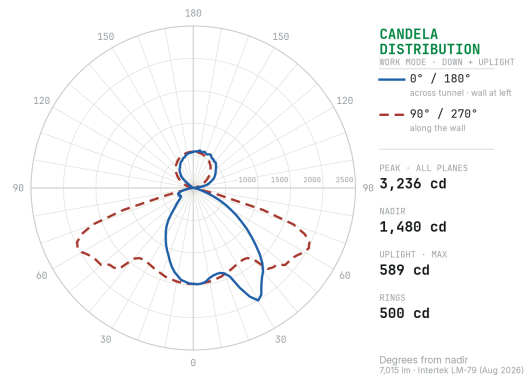
MTLx OG

## DIMENSIONAL DATA

SPECIFICATIONS • PHOTOMETRICS • ORDERING



## PHOTOMETRICS



| SCENE                              | MAX FC | MIN FC | AVG FC | WATTS |
|------------------------------------|--------|--------|--------|-------|
| Standard Mode<br>NFPA 130 baseline | 0.77   | 0.25   | 0.44   | 6 W   |
| Standard Mode<br>1 fc setting      | 3.07   | 1.00   | 1.77   | 10 W  |
| Standard Mode<br>2 fc setting      | 6.14   | 2.00   | 3.54   | 16 W  |
| Work Mode<br>OSHA 1926 - up + down | 21.77  | 7.18   | 12.63  | 60 W  |

Intertek LM-79 photometry (Aug 2026) · 16'-8" dia. tunnel · 14'-4" crown · 3' walkway · 10% reflectance · 0.70 LLF · 10' above track · 25' o.c. · walkway centreline · fixture power incl. clearNET node; the optional battery adds about 1 W

INTERTEK LM-79 • WORK MODE • CANDELA

## SPECIFICATIONS

|                 |                                                                |
|-----------------|----------------------------------------------------------------|
| Housing         | 0.125" extruded aluminium · IP66 / IK10                        |
| Downlight       | Silicone lens · Tier-1 COB LED array · integrated              |
| Uplight         | Optional 1,000–2,000 lm linear · 0.187" polycarbonate          |
| Operating modes | Standard Mode and Work Mode                                    |
| Electrical      | 120–277 VAC single or dual feed · 480 VAC · 600 VDC            |
| Operating range | –20 °F to +130 °F                                              |
| Design life     | 10 years · driver-limited                                      |
| Wireless        | Optional clearNET (CN1) · 900 MHz mesh · 3,000 ft node-to-node |
| Battery         | Optional NiMH self-diagnosing · 1 / 2 / 4 hour                 |
| Hardware        | Stainless T15 centre-pin-reject                                |
| Connections     | 3' whip standard · QC1 / QC2 · 2-hour fire-rated QC            |
| Listings        | UL (pending) · IK10 · IP66 · BABA compliant · Made in USA      |
| Warranty        | 5 years                                                        |

## ORDERING INFORMATION

# TL4064

MTLx OG

SERIES BATTERY COLOUR TEMP PAINT COLOUR LUMENS POWER OPTIONS

TL4064 — — — — —

### BATTERY

00 None  
 01 1-hour  
 02 2-hour  
 04 4-hour

### DOWNLIGHT LUMENS

L 800  
 L2 1,200  
 M1 2,600  
 H1 3,900

### COLOUR TEMP

35 3,500K  
 40 4,000K  
 50 5,000K  
 B Blue optic (emergency)  
 Y Yellow

### POWER INPUT

U 120–277 VAC  
 U2 Dual feed  
 S 480 VAC  
 D 600 VDC

### PAINT

05 Matte black  
 06 Gunmetal

### OPTIONS

W1 Uplight (1,000 lm)  
 CN1 clearNET control  
 HS1 Temperature sensor  
 QC1 Standard QC  
 QC2 Dual-feed QC  
 FR 2-hour fire-rated QC  
 CC Conduit connection

Order downlight-only by omitting W1. The light engine is integrated on MTLx OG. Blue optic (B) is supplied without uplight — W1 does not apply to OG Blue.

PATENTS: [CLEARVULIGHTING.COM/COMPANY/LEGAL](https://clearvulighting.com/company/legal) BLUE-LIGHT OPTION: SEE MTLx EMERGENCY BLUE (P14).

Two screws out. Fifteen sealed years in.

5.4" × 10.5" BODY • SEALED • IP66 / IK10

# MTLx Mini

TL4064M

MTLx Mini is the mass-quantity SKU on a Pro-anchored line. A compact 5.4" × 10.5" sealed body on a 4" bracket, running the same LED array and silicone lens, factory-set to a specified foot-candle level and released from its bracket with two screws.

**A**

## Same MTLx downlight

The same LED array, the same silicone lens and the same driver philosophy as MTLx Pro and OG, at lower wattage. Best-in-class heat dissipation keeps junction temperature low across the design life.

**B**

## Sealed for 15 years

No field-accessible fasteners on the housing and fully sealed electronics. Moisture, salt fog and vibration are not failure paths. Fifteen-year design life with no field service interval.

**C**

## Two-screw fixture swap

Two tamperproof T15 screws and one side-exiting three-pin quick connect. The whole fixture releases from its bracket in a single walkway visit — on 2.5" mount-hole centres, including existing bolt patterns.

### WHERE MINI FITS

## The mass-quantity SKU on a Pro-anchored line.

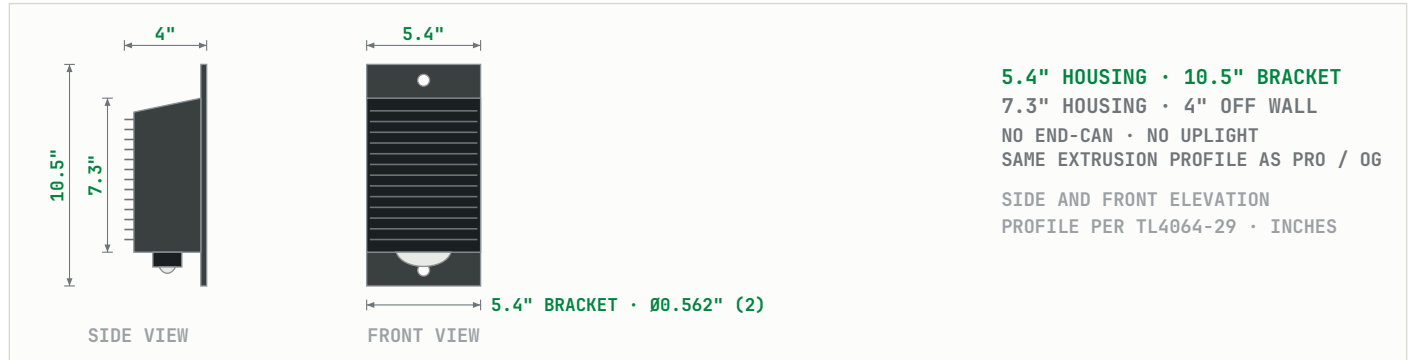
- Service and yard tunnels, non-revenue crossovers
- Connectors, mechanical rooms and access tunnels
- Metro-Guide-style retrofits on the existing bolt pattern
- Non-critical tunnel sections needing NFPA 130 egress
- Continuous-run intervals between mainline Pro fixtures
- Tight bays where a full-length body will not fit
- Standard Mode only — no Work Mode, no uplight
- No wireless and no on-board battery
- Externally powered • same universal input range
- Same IP66 / IK10 tamperproof and vandal-resistant ratings
- BABA compliant • Made in USA • five-year warranty

TL4064M

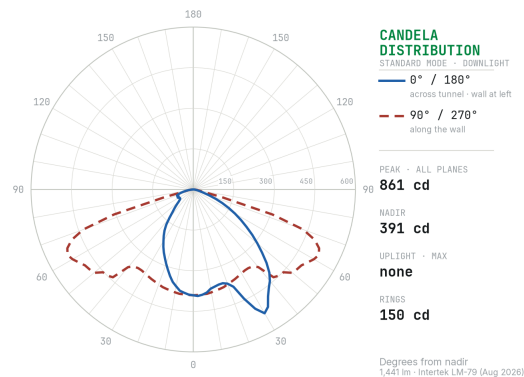
MTLx Mini

## DIMENSIONAL DATA

SPECIFICATIONS • PHOTOMETRICS • ORDERING



## PHOTOMETRICS



| SCENE                                           | MAX FC | MIN FC | AVG FC | WATTS |
|-------------------------------------------------|--------|--------|--------|-------|
| Standard Mode<br>NFPA 130 baseline • 6 W config | 0.77   | 0.25   | 0.44   | 6 W   |
| Standard Mode<br>factory-set 1 fc               | 3.07   | 1.00   | 1.77   | 10 W  |
| Standard Mode<br>factory-set 2 fc               | 6.14   | 2.00   | 3.54   | 16 W  |

Intertek LM-79 photometry (Aug 2026) • 16'-8" dia. tunnel • 14'-4" crown • 3' walkway • 10% reflectance • 0.70 LLF • 10' above track • 25' o.c. • walkway centreline • power on the same basis as MTLx Pro / OG • Mini ships factory-set to the specified fc level, Standard Mode only.

INTERTEK LM-79 • DOWNLIGHT • CANDELA

## SPECIFICATIONS

|                 |                                                                  |
|-----------------|------------------------------------------------------------------|
| Housing         | 0.125" extruded aluminium • IP66 / IK10 • sealed                 |
| Downlight       | Silicone lens • same Tier-1 COB LED array as Pro and OG          |
| Uplight         | Not offered                                                      |
| Operating modes | Standard Mode only • factory-set fc level                        |
| Electrical      | 120-277 VAC single feed • 480 VAC • 600 VDC                      |
| Operating range | -20 °F to +130 °F                                                |
| Wireless        | Not offered                                                      |
| Battery         | Not offered — externally powered                                 |
| Hardware        | 2 × stainless T15 centre-pin-reject 8-32 screws                  |
| Connections     | Side-exiting 3-pin quick connect • 2-hour fire-rated QC optional |
| Listings        | UL (pending) • IK10 • IP66 • BABA compliant • Made in USA        |
| Warranty        | 5 years                                                          |

## ORDERING INFORMATION

TL4064M MTLx Mini

| SERIES                   | COLOUR TEMP | PAINT COLOUR            | LUMENS                  | POWER | OPTIONS |
|--------------------------|-------------|-------------------------|-------------------------|-------|---------|
| TL4064M                  |             |                         |                         |       |         |
| <b>COLOUR TEMP</b>       |             | <b>PAINT</b>            | <b>DOWNLIGHT LUMENS</b> |       |         |
| 35 3,500K                |             | 05 Matte black          | L 800                   |       |         |
| 40 4,000K                |             | 06 Gunmetal             | L2 1,200                |       |         |
| 50 5,000K                |             |                         | M1 2,600                |       |         |
| B Blue optic (emergency) |             | <b>OPTIONS</b>          |                         |       |         |
| Y Yellow                 |             | QC1 Standard QC         |                         |       |         |
| <b>POWER INPUT</b>       |             | FR 2-hour fire-rated QC |                         |       |         |
| U 120-277 VAC            |             | MG Metro-Guide bracket  |                         |       |         |
| S 480 VAC                |             | CC Conduit connection   |                         |       |         |
| D 600 VDC                |             |                         |                         |       |         |

No battery, no uplight and no wireless fields — MTLx Mini is externally powered and factory-set.

PATENTS: [CLEARVULIGHTING.COM/COMPANY/LEGAL](https://clearvulighting.com/company/legal) BLUE-LIGHT OPTION: SEE MTLx EMERGENCY BLUE (P14).

DEDICATED BLUE OPTIC • MTLx PRO / OG / MINI

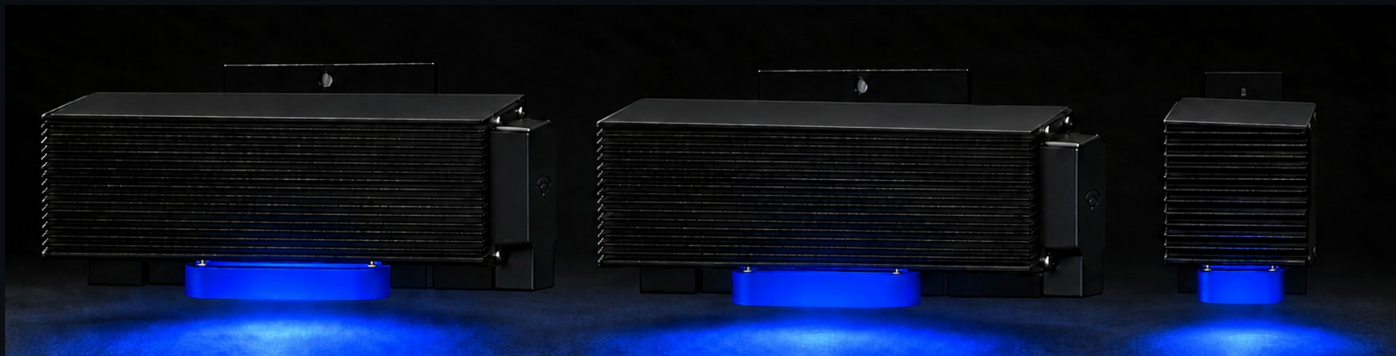
# Always on. Always watched.

MTLx Blue is a dedicated 12 W blue optic engineered to mark emergency phone locations and the other mission-critical points a passenger has to be able to find in a tunnel. It runs continuously — not on standby, not on battery, not switched — so there is a blue beacon burning over every phone and every station, every day. The optic is a factory-installed module on the underside of the housing, independent of the mainline light array. Pro and OG Blue report their own health over clearNET (not applicable to Mini Blue, which has no wireless), so a beacon that goes dark is flagged, located and dispatched before it costs anyone time.



TL4064-31 • BLUE OPTIC 12.5" × 2.5" • 12 W NOMINAL • 14 W MAX

clearNET: PRO / OG ONLY



## MTLx Pro Blue

TL4064P-B

18" overall • Pro cross-section

## MTLx OG Blue

TL4064-B

18" overall

## MTLx Mini Blue

TL4064M-B

5.4" × 10.5" compact

### Dedicated blue optic

A separate blue optic module projecting below the housing — not a colour-temperature change to the mainline array. Always on, and independent of the white downlight.

### 12 W • always on

A continuously-running 12 W blue optic, factory-set at commissioning. No standby state and no battery in the path. 120–277 VAC, –20 °F to +130 °F, wet location, IK10, five-year warranty.

### Platform compatible

Available on MTLx Pro, MTLx OG and MTLx Mini. Ships as a stocked variant on existing housings, brackets and quick-connects — no separate mounting detail and no new bolt pattern.

Ordering: append 'B' to the colour-temp field in any MTLx ordering matrix. The blue optic ships factory-installed and cannot be retrofitted in the field. Blue-fixture density is set by the agency's egress design.



# Engineering light for every environment.

American-made LED lighting systems for transit, construction, healthcare, life sciences, correctional, behavioral health, commercial and architectural environments. Engineered, manufactured and supported from our Long Island, New York facility.

---

UNION MADE LED FIXTURES • BABA / BAA COMPLIANT LED FIXTURES • ISO 9001 CERTIFIED

## CONTACT

Clear-Vu Lighting  
1150 Motor Parkway  
Central Islip, NY 11722

516.941.3737  
sales@clearvulighting.com  
clearvulighting.com

**MTLx 2026**

EDITION 2026.1

Specifications subject to change without notice. BABA compliance applies to LED fixtures only.