

MHT Technologies

INSPECTOR

PoE Smart Building Platform & Lighting Solutions



PoE Smart Building Platform & Lighting Solutions

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INSPEXTOR

Powering Intelligent Lighting with Inspextor

A PoE-based platform that delivers power, control, and data through a single low-voltage network.

Inspextor connects lighting, controls, and building systems into one streamlined infrastructure. By leveraging PoE, it simplifies installation and enables more responsive, intelligent environments.

- **PoE Powered Infrastructure**
Low-voltage power and data over a single cable
- **Advanced Lighting Control**
Dimming, tunable white, and RGBW color control
- **Integrated Systems**
Connect sensors, shades, and wall controls
- **Real-Time Data & Automation**
Enable responsive, intelligent environments

The Inspextor Node Ecosystem - One Platform, Multiple Capabilities

MHTi-NODE-CORE

Flexible Control for Advanced Applications

A versatile PoE node supporting CC, CV, and CP lighting. Ideal for projects requiring tunable white, RGBW, and integration with sensors and controls.



MHTi-NODE-90

Versatile Power for Lighting and Devices

Designed to power and control both lighting and low-voltage devices. Perfect for applications that combine fixtures, shades, desks, and other connected systems.



MHTi-SUPERNODE

High-Capacity Control for Larger Deployments

A multi-channel node built for high-density environments. Supports centralized control across larger zones with multiple outputs and programmable inputs.



MHTi-SPLT-1X4

System Expansion for Flexible Layouts

Connects multiple fixtures or control devices from a single node for flexible lighting layouts.



Advanced PoE Lighting Control

MHTi-NODE-CORE

INSPEXTOR CORE NODE

Flexible control for advanced applications



FEATURES

- PoE-powered node for lighting control and connected low-voltage systems
- Supports Constant Current (CC), Constant Voltage (CV), and Constant Power (CP) output
- Enables dimming, tunable white, and RGBW lighting control
- Integrates with sensors, wall controls, and building systems
- Compact design for remote or in-fixture installation

GENERAL INFORMATION

Applications: commercial lighting systems, smart building environments, and integrated applications

Installation: remote mounting or within luminaire

Control Integration: compatible with sensors, wall switches, and automation systems

System Compatibility: designed for use within the Inspextor intelligent building platform

Construction: aluminum housing with integrated mounting flanges

Operating Environment: dry and damp locations

PRODUCT DATA

Input: PoE (IEEE 802.3bt Type 4, Class 8, IEEE 802.1X)

Output Power: up to 80W

Output Type: CC / CV / CP

Voltage Range: 12–48VDC

Channels: multi-channel PWM output

Control Inputs: 0–10V, digital input, RS-485

SYSTEM CAPABILITIES

- Tunable white and full RGBW color control
- Real-time control and automation
- Seamless integration across building systems

DIMENSIONS

Overall Dimensions: 7.74" (196.6mm) L x 1.81" (46mm) W x 1" (25.5mm) H

Mounting Dimensions: 4 Holes, 2 Slots: 0.177" (4.5mm) D 6.97" (177.2mm) L x 0.94" (24mm) W



INSPEXTOR

Advanced PoE Lighting Control

MHTi-NODE-90

INSPEXTOR NODE 90

Versatile power for lighting and devices

FEATURES

- PoE-powered node for lighting and low-voltage device applications
- Delivers power and control for both fixtures and connected devices
- Supports dimming, tunable white, and advanced lighting control
- Integrates with sensors, wall controls, and building systems
- Ideal for multi-use environments with mixed device loads

GENERAL INFORMATION

Applications: lighting, shades, adjustable desks, monitors, docking stations, and other low-voltage device applications

Installation: remote mounting or within luminaire

Control Integration: compatible with sensors, wall switches, and automation systems

System Compatibility: designed for use within the Inspextor intelligent building platform

Construction: durable metal housing with integrated mounting flanges

Operating Environment: dry and damp locations

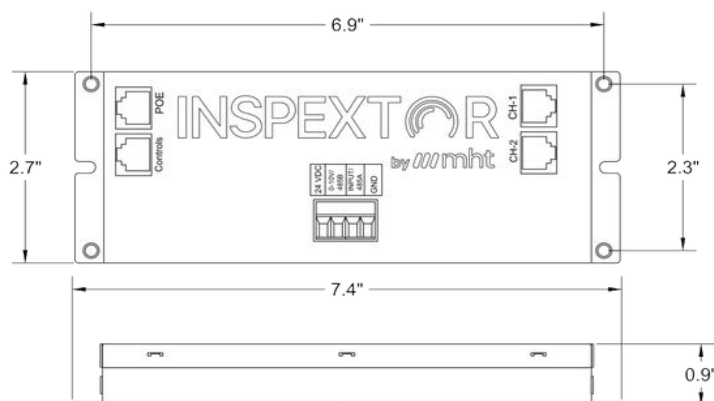
DIMENSIONS

Overall Dimensions:

7.303" (185mm) L x 2.755" (70mm) W x 0.857" (22mm) H

Mounting Dimensions:

4 Holes, 6.948" (176.5mm) L x 2.125" (54mm) W



PRODUCT DATA

Input: PoE (IEEE 802.3bt Type 4, Class 8)

Input Voltage: 40–60VDC

Output Power: Up to 80W

Output Type: CC / CV / CCUV

Voltage Range: 12–48VDC

Channels: dual-channel output with PWM control

Control Inputs: 0–10V, digital input, RS-485

SYSTEM CAPABILITIES

- Powers lighting, shades, desks, and a wide range of connected devices
- Supports integrated control across multiple device types and building systems
- Enables flexible layouts for modern workspaces and mixed-use environments

NODE CAPABILITIES OVERVIEW

Core Node: tunable white, RGBW, and advanced lighting control

Node 90: lighting, shades, desks, and mixed-use device applications

Supernode: high-density zones and centralized multi-zone control

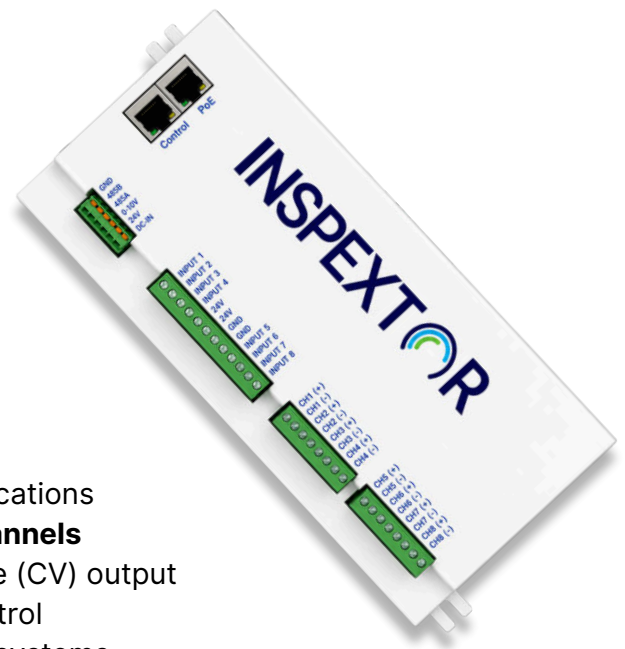
INSPEXTOR

Advanced PoE Lighting Control

MHTi-SUPERNODE

INSPEXTOR SUPERNODE

High-capacity control for larger deployments



FEATURES

- PoE-powered node designed for high-density lighting applications
- Supports up to **8 independently programmable output channels**
- Programmable Constant Current (CC) and Constant Voltage (CV) output
- Enables dimming, tunable white, and advanced lighting control
- Integrates with sensors, wall controls, shades and building systems
- Supports **up to 8 programmable inputs** for localized or scene-based control
- Can operate as an emergency power node during outages

GENERAL INFORMATION

Applications: large-scale lighting systems, centralized control environments, and high-density deployments

Installation: internal or remote mounting

Control Integration: compatible with sensors, wall switches, and automation systems

System Compatibility: designed for use within the Inspextor intelligent building platform

Construction: ABS and aluminum housing

Operating Environment: dry and damp locations

PRODUCT DATA

Input: PoE (IEEE 802.3bt) and/or 24–60VDC with optional intelligent power sharing
Input Voltage: 40–60VDC (PoE), 24–60VDC (DC input)

Output Power: Up to 80W

Output Type: programmable CC / CV

Voltage Range: 12–48VDC (CV), 34–44V (CC)

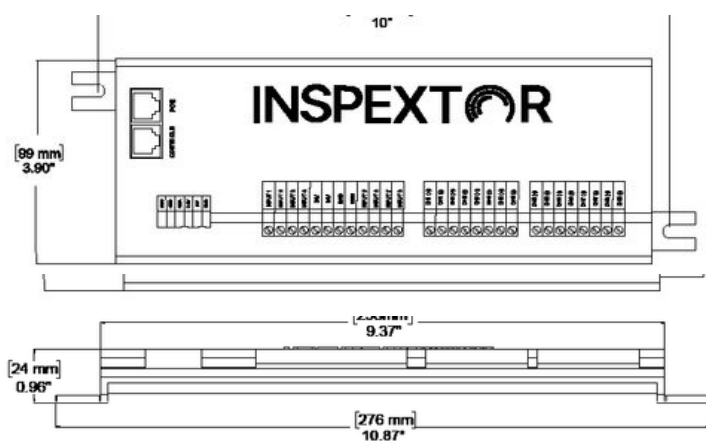
Channels: 8 individually programmable channels

Control Inputs: up to 8 programmable analog inputs, RS-485

DIMENSIONS

Overall Dimensions: 10.87" (276mm) L x 3.895" (99mm) W x 0.96" (24mm) H

Mounting Dimensions: 10" offset mounting tabs



SYSTEM CAPABILITIES

- Centralized control across multiple lighting zones and connected systems
- High-density output for larger, more demanding deployments
- Supports complex control strategies and broader system integration

NODE CAPABILITIES OVERVIEW

Core Node: tunable white, RGBW, and advanced lighting control

Node 90: lighting, shades, desks, and mixed-use device applications

Supernode: high-density zones and centralized multi-zone control

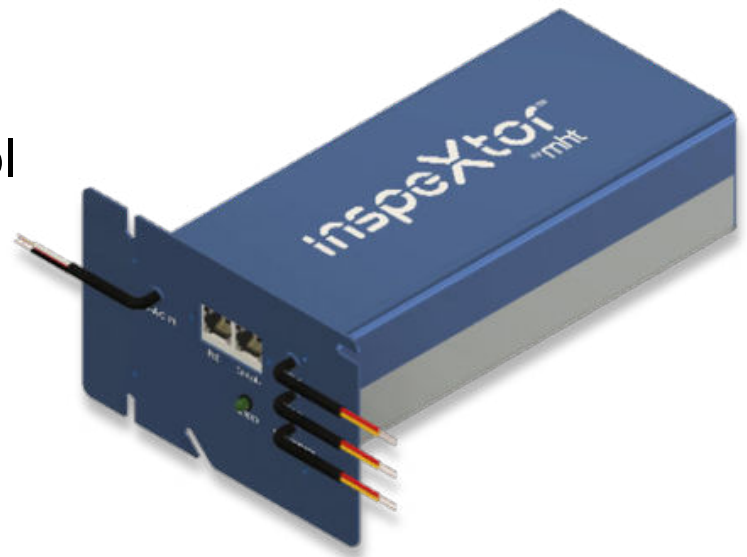
INSPEXTOR

Advanced PoE Lighting Control

MHTi-NODE-ELS

INSPEXTOR EMERGENCY LIGHT SWITCH

Emergency lighting control during power outages



FEATURES

- PoE-enabled emergency lighting control node
- Supports 1%–100% dimming range
- Fixture agnostic up to 72W
- Automatic network discovery for simplified deployment
- Integrates with Inspextor communication network
- Supports emergency test functionality (NC test switch)
- Designed for life safety compliance (UL 924, NEC, IBC)
- Mounts to standard 4x4 and 4x2 junction boxes

GENERAL INFORMATION

Applications: emergency lighting systems with AC power redundancy

Installation: mounts to standard electrical junction boxes (4x4 / 4x2)

Control Integration: compatible with sensors, switches, and fire alarm inputs

System Compatibility: designed for use within the Inspextor intelligent building platform

Construction: aluminum housing with powder-coated finish

Operating Environment: 0°C to 50°C

SYSTEM CAPABILITIES

- Provides emergency lighting control during power outages
- Enables seamless transition between PoE and generator/AC power
- Supports integration with life safety and fire alarm systems
- Ensures consistent lighting operation in critical conditions

DIMENSIONS

Overall Dimensions: 4" H x 6.13" W x 9.125" L

PRODUCT DATA

Input:

- PoE: 42–57VDC (IEEE 802.3 compliant)
- Emergency (EM): 120–277VAC

Supply Voltage: 24–56VDC

Power Consumption: 1.6W (idle)

Max Output Current: 2A

Dimming: 1%–100%

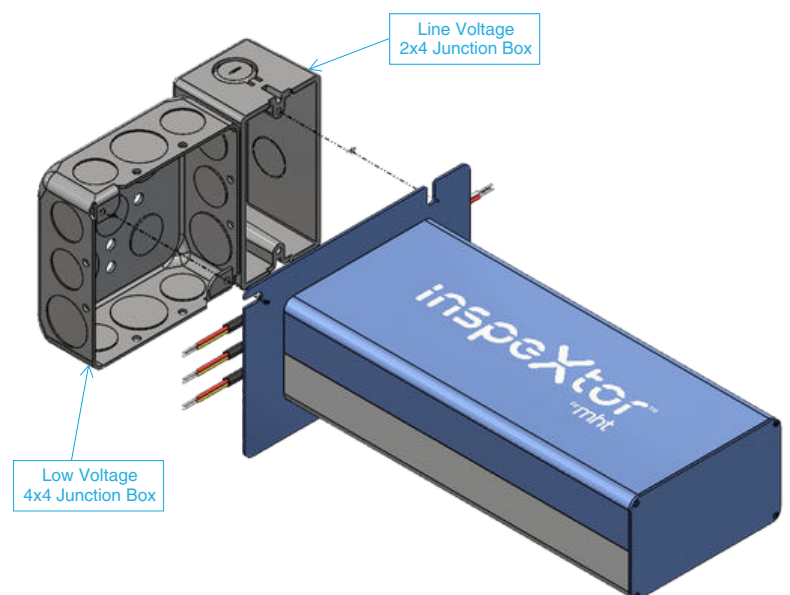
Dimming Transition Time: 1–25 seconds

Response Time: 0.1 seconds

Connection Type:

- PoE: RJ45
- EM: Hardwired

Protocol: CoAP



INSPEXTOR

Advanced PoE Lighting Control

MHTi-EM100

INSPEXTOR EMERGENCY BATTERY BACKUP DRIVER

Reliable Emergency Power for Critical Lighting During Outages

FEATURES

- Provides 90 minutes of UL 924 emergency illumination
- Designed for use with the MHTi-NODE-90
- Supports 50W normal operation with 8W emergency output
- Automatic charging with 24-hour recharge time
- No line voltage required
- Compact low-voltage emergency driver

GENERAL INFORMATION

Applications: commercial, healthcare, residential, education, and industrial environments

Installation: low-voltage integration with lighting systems (integrates with the MHTi-NODE-90 for emergency lighting operation)

System Compatibility: compatible with the Inspextor intelligent building platform

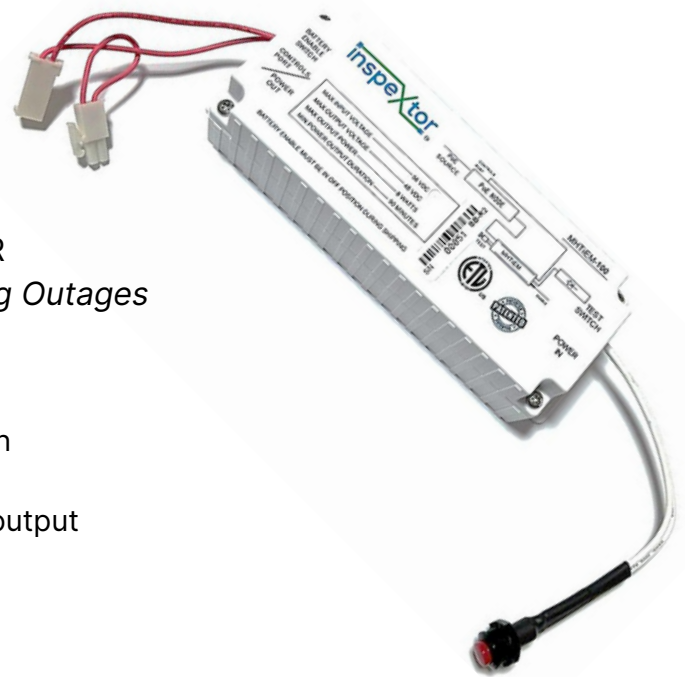
Construction: compact housing with powder-coated finish

Operating Environment: -20°C to 50°C (-4°F to 122°F)

Warranty: 2-year limited warranty

SYSTEM CAPABILITIES

- Maintains lighting operation during power loss with integrated battery backup
- Enables seamless transition to emergency power without system interruption
- Supports code-compliant emergency lighting strategies (UL 924)
- Enhances system resilience when paired with Inspextor nodes and controls



PRODUCT DATA

Input / Supply Voltage: 40–60VDC

Power Consumption: 0.5W

Max Output Current: 200mA

Output Power: 50W normal / 8W emergency

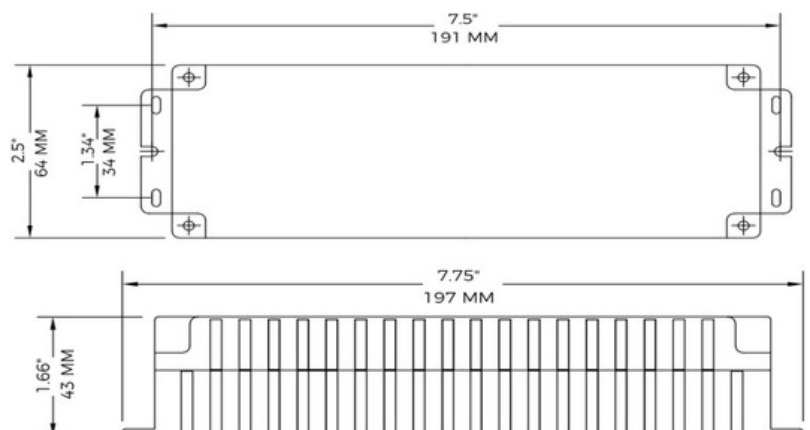
Emergency Runtime: minimum 90 minutes

Charge Time: minimum 24 hours

Connection Type: shielded RJ45

DIMENSIONS

Overall Dimensions: 7.75" x 2.5" x 1.66"



INSPEXTOR

Advanced PoE Lighting Control

MHTi-EM-EXT

INSPEXTOR EMERGENCY LIGHTING INTERFACE

0–10V Emergency Lighting Control for Line Voltage Fixtures



FEATURES

- Provides 0–10V emergency control for line voltage fixtures
- Maintains 100% light output during power outages
- Integrates with Inspextor Nodes for seamless system operation
- Controls up to 8 fixtures from a single device
- Adjustable DIP switches for precise dimming calibration
- Supports up to 100 ft wiring per fixture for flexible installation
- Enables smooth 0–100% dimming response for compatible fixtures

PRODUCT DATA

Operating Voltage: 24VDC

Output Voltage: 24VDC

Output Current: 500mA

Dimming Control: 0–10V for line voltage fixtures

DIMENSIONS

Overall Dimensions: 2.56" L x 1.5" W x 0.87" H

GENERAL INFORMATION

Applications: line voltage emergency lighting systems using 0–10V dimming control

Installation: integrates between Inspextor nodes and line voltage emergency fixtures

Control Integration: connects to Node 90 or Supernode via 0–10V control wiring

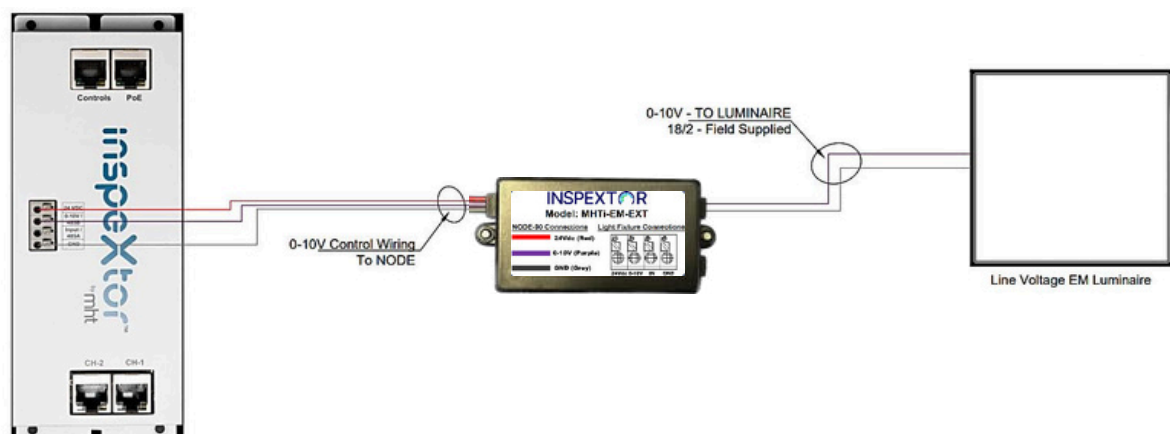
System Compatibility: designed for use with Inspextor PoE platform and emergency lighting systems

Construction: compact ABS enclosure

Operating Environment: indoor, dry locations

SYSTEM CAPABILITIES

- Bridges PoE lighting controls with line voltage emergency lighting systems
- Ensures continuous illumination during power loss when paired with emergency fixtures
- Maintains control signal integrity between Inspextor Nodes and EM fixtures
- Enables scalable emergency lighting deployment across multiple fixtures



INSPEXTOR

Advanced PoE Lighting Control

MHTi-SPLT-1X4

INSPEXTOR SPLITTER

Power and control distribution for multiple device connections

FEATURES

- Distributes power and control from a single node
- Supports up to 4 identical fixtures or control devices
- Simplifies wiring using RJ45 connections
- Compact design with mounting tabs for easy installation

GENERAL INFORMATION

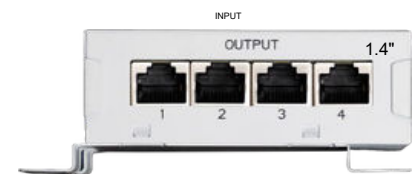
Applications: fixture and control distribution

Installation: inline RJ45 connection

Compatibility: Inspextor nodes and PoE systems

Construction: stamped steel housing

Operating Environment: dry and damp locations



DIMENSIONS

3.2" (81.3mm) L x 1.9" (48.3mm) W x 1.4" (35.6mm) H

MHTi-WS SERIES

INSPEXTOR WALL SWITCHES

Networked control for lighting and connected spaces

FEATURES

- Available in 4-button and 7-button options
- Controls lighting with dimming and scene selection
- Connects directly to nodes via Cat6 cable
- Supports up to 3 programmable scenes
- Standard single gang box installation

GENERAL INFORMATION

Applications: local lighting and system control

Installation: single gang wall box

Control Functions: on/off, dimming, and scenes

Compatibility: Inspextor nodes and software

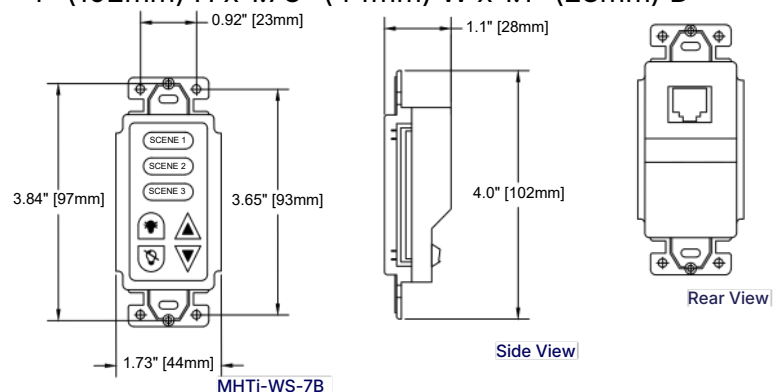
Construction: ABS housing

Operating Environment: dry and damp locations



DIMENSIONS

4" (102mm) H x 1.73" (44mm) W x 1.1" (28mm) D



aida™

AI-Powered Intelligent Building Management System

Software for centralized building automation, analytics, and adaptive control

aida™ is an intelligent building management system developed by Building AI Solutions and integrated with MHT Technologies' Inspextor platform. Together, Inspextor PoE infrastructure and aida™ provide centralized visibility, automation, analytics, and adaptive control across connected building environments.

GENERAL INFORMATION

- **Platform type:** Intelligent building management system
- **Developer:** Building AI Solutions
- **Integration:** Used with MHT Technologies' Inspextor platform
- **Deployment:** Cloud-based with system-level integration
- **Applications:** Commercial offices, data centers, healthcare, education, hospitality, and industrial environments

KEY CAPABILITIES

- Centralized building automation and control
- Real-time visibility into building performance
- Occupancy-based control and environmental awareness
- Predictive insights for optimization and maintenance
- Scalable intelligence across buildings and portfolios

Powered by Inspextor

Inspextor hardware delivers power and connectivity, while aida™ provides the intelligent BMS layer that enables automation, analytics, and adaptive control across the environment.



Inspextor PoE Platform & MHT Lighting Solutions



MHT lighting solutions are designed to work seamlessly with the Inspextor PoE platform, delivering power, control, and data through a single low-voltage infrastructure. This unified approach simplifies installation while enabling more responsive, intelligent environments.

DESIGNED FOR PERFORMANCE AND FLEXIBILITY

- Simplified low-voltage PoE installation
- Integrated lighting and system control
- Scalable designs for any project
- Consistent performance across fixtures

APPLICATIONS ACROSS INDUSTRIES

Commercial & Workplace

- Corporate Offices
- Commercial Real Estate
- Data Centers & Mission-Critical Facilities
- Retail & Mixed-Use Developments
- Industrial & Manufacturing Facilities

Institutional & Specialized

- Healthcare & Medical Facilities
- Education (K-12 & Higher Education)
- Government & Public Sector Buildings
- Hospitality & Luxury Environments
- Multi-Family & Residential Communities

From office spaces to mission-critical environments, MHT lighting solutions are designed to adapt to the needs of each project while maintaining a consistent, intelligent infrastructure.

PoE Lighting Solutions

MHTi-DL-SC

LED EDGE-LIT ROUND DOWNLIGHT SERIES

FEATURES

- LED aluminum round down light with non-integrated sensor and PoE driver node
- Slim design and standard regressed baffle trim
- Wet location rated

GENERAL INFORMATION

Applications: airports, corporate campuses, data centers, retail, and healthcare facilities

Warranty: 5-year warranty

Construction: aluminum housing with baffle trim and steel spring clips frosted polycarbonate diffuser

Certifications:



Intertek

PRODUCT DATA

Electrical: non-integrated PoE low-voltage driver node

Mounting: recessed ceiling mount

Wattage: 9W / 11W

Lumen: 800 lm / 1,000 lm

CRI: 90

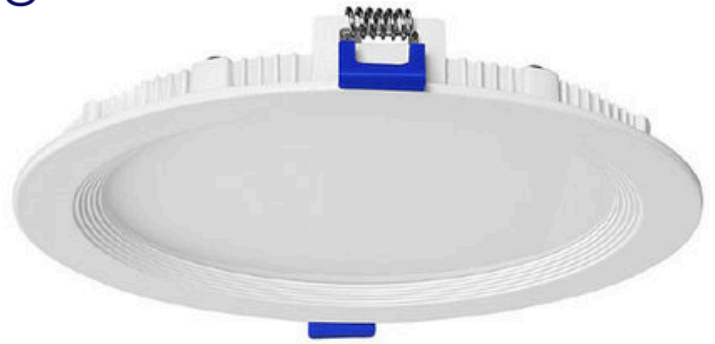
Color Temp (CCT): 2700K / 3500K / 4000K / 5000K / tunable (2700K-5000K)

L70: > 50,000 hours

Rated Lifespan: > 60,000 hours

FIXTURE PERFORMANCE

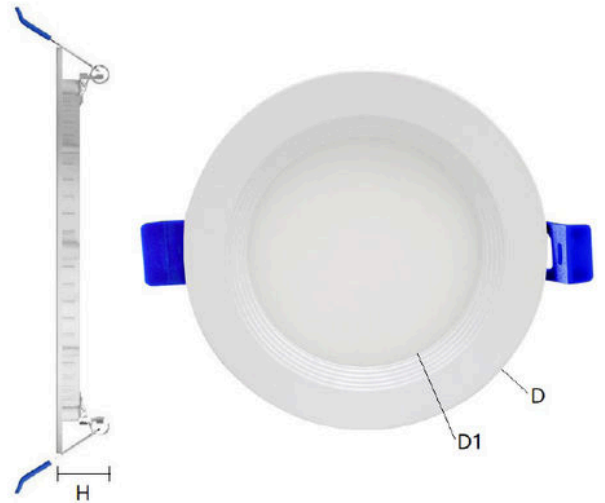
Model	Power	CCT	Lumens	Dimensions
MHTi-DL-SC-4-9E-4K	9 Watts	2700K / 3500K / 4000K / 5000K	800	4.85" x 3.15" x 0.9"
MHTi-DL-SC-6-11E-4K	11 Watts	2700K / 3500K / 4000K / 5000K	1,000	6.82" x 5.08" x 0.9"



DIMENSIONS

MHTi-DL-SC-4-9E-4K Opening: 4.09"

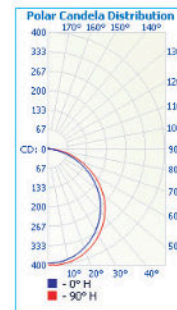
MHTi-DL-SC-6-11E-4K Opening: 6.06"



PHOTOMETRICS

Luminaire Output: 986 lumens

Power: 10.9 Watts



Center Beam fc	Beam Width	
	Beam Width	Beam Width
1.5R	174 fc	4.0 ft 4.1 ft
3.0R	43.4 fc	8.0 ft 8.2 ft
4.5R	19.3 fc	12.0 ft 12.3 ft
6.0R	10.9 fc	16.0 ft 16.4 ft
7.5R	6.95 fc	20.0 ft 20.5 ft
9.0R	4.82 fc	24.0 ft 24.5 ft

■ Vert. Spread: 106.2°
■ Horiz. Spread: 107.5°

PoE Lighting Solutions

MHTi-DL-BARILE-SC

LED SQUARE DOWN LIGHT SERIES

FEATURES

- LED square down light with non-integrated sensor and PoE driver node

GENERAL INFORMATION

Applications: airports, corporate campuses, data centers, retail, and healthcare facilities

Warranty: 5-year warranty

Construction: combination of aluminum and steel housing with spring clips, white frosted polycarbonate diffuser - beam angle: 110°

Certifications:



PRODUCT DATA

Electrical: non-integrated PoE low-voltage driver node recessed ceiling

Mounting: recessed ceiling

Wattage: 9W / 11W / 14W / 17W

Lumen: 700 lm / 900 lm / 1,100 lm / 1,500 lm

CRI: 90

Color Temp (CCT): 2700K / 3500K / 4000K / 5000K/ tunable (2700K to 5000K)

L70: > 50,000 hours

Rated Lifespan: > 50,000 hours

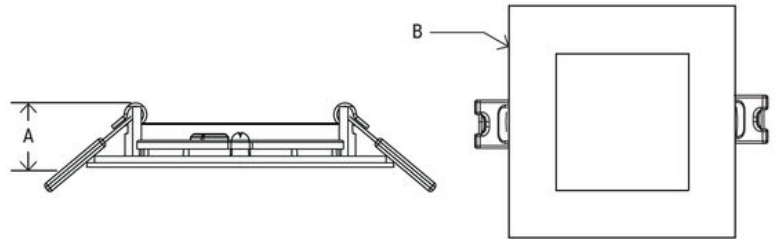
FIXTURE PERFORMANCE

Model	Power	CCT	Lumens
MHTi-DL-BARILE-SC-4-9E-4K	9 Watts	27K - 2700K / 35K - 3500K	700
MHTi-DL-BARILE-SC-6-14E-4K	14 Watts	4K - 4000K / 5K - 5000K	1,100
MHTi-DL-BARILE-SC-8-17E-4K	17 Watts	AT - Tunable 2700K to 5000K	1,500



DIMENSIONS

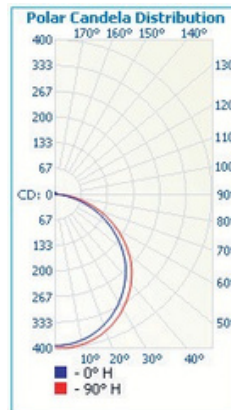
Model	A	B	Opening
MHTi-DL-BARILE-SC-4	1.25"	4.7"	4" x 4"
MHTi-DL-BARILE-SC-6	1.25"	6.7"	6" x 6"
MHTi-DL-BARILE-SC-8	1.25"	8.6"	8" x 8"



PHOTOMETRICS

Luminaire Output: 706 lumens

Power: 9.1 Watts



Distance (ft)	Illuminance at a Distance	
	Center Beam fc	Beam Width
1.5ft	174 fc	4.0 ft x 4.1 ft
3.0ft	43.4 fc	8.0 ft x 8.2 ft
4.5ft	19.3 fc	12.0 ft x 12.3 ft
6.0ft	10.9 fc	16.0 ft x 16.4 ft
7.5ft	6.95 fc	20.0 ft x 20.5 ft
9.0ft	4.82 fc	24.0 ft x 24.5 ft

■ Vert. Spread: 106.2°
■ Horiz. Spread: 107.5°

PoE Lighting Solutions

MHTi-DL-SC

LED COMMERCIAL DOWNLIGHT SERIES

FEATURES

- Cast aluminum housing
- White frosted acrylic diffuser
- Stainless steel spring clips
- High reflective white powder coating
- Standard recessed ceiling mount
- Remote node

GENERAL INFORMATION

Applications: residential or commercial spaces, offices, retail spaces, schools

Warranty: 5-year warranty

Construction: cast aluminum housing, white acrylic diffuser, white frosted

Certifications:



PRODUCT DATA

Electrical: PoE low-voltage driver node

Mounting: standard recessed ceiling mount

Wattage: 24W

Lumen: 2,100 lm

CRI: 80-85

Color Temp (CCT): 3000K / 4000K / 5000K

L70: > 50,000 hours

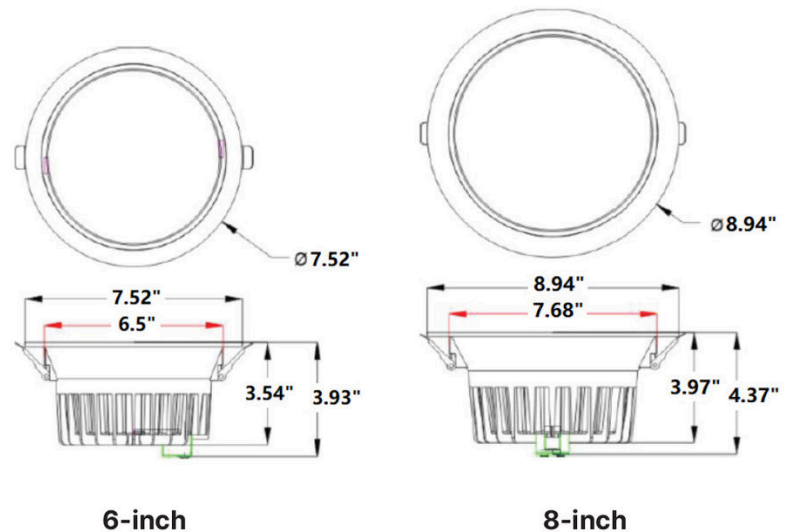
Rated Lifespan: > 60,000 hours

FIXTURE PERFORMANCE

Model	Power	CCT	Lumens	Dimensions
MHTi-DL-SC-6-24E-4K	24 Watts	4000K	2,100	7.52" x 3.93"
MHTi-DL-SC-8-24E-4K	24 Watts	4000K	2,100	8.94" x 4.37"



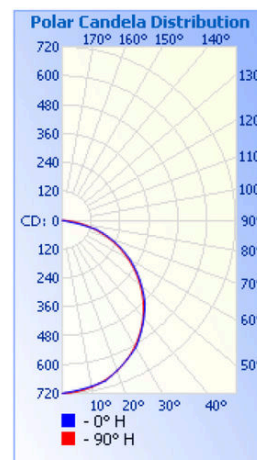
DIMENSIONS



PHOTOMETRICS

Luminaire Output: 2,040 Lumens

Power: 24.3 Watts



	Illuminance at a Distance		
	Center Beam fc	Beam Width	
2.5R	114 fc	7.6 ft	7.7 ft
5.0R	28.6 fc	15.2 ft	15.4 ft
7.5R	12.7 fc	22.8 ft	23.1 ft
10.0R	7.16 fc	30.4 ft	30.8 ft
12.5R	4.58 fc	38.0 ft	38.5 ft
15.0R	3.18 fc	45.6 ft	46.2 ft

■ Vert. Spread: 113.4°
■ Horiz. Spread: 114.0°

PoE Lighting Solutions

MHTi-SMD-SC-R

LED SURFACE MOUNTED ROUND LIGHT SERIES



FEATURES

- LED surface mounted round light with non-Integrated sensor and PoE driver node
- Ceiling surface mount
- ETL listed low-voltage lighting system

GENERAL INFORMATION

Applications: airports, corporate campuses, data centers, retail, and healthcare facilities

Warranty: 5-year warranty

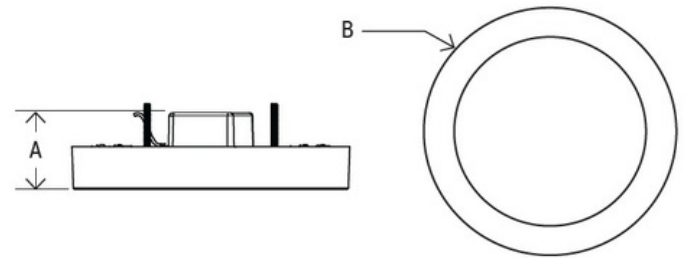
Construction: combination of cast aluminum and steel housing, white frosted polycarbonate diffuser

Certifications:



DIMENSIONS

MHTi-SMD-SC-R-5	A: 2.36"	B: 5.51"
MHTi-SMD-SC-R-7	A: 2.36"	B: 7.48"
MHTi-SMD-SC-R-9	A: 2.36"	B: 9.06"



PHOTOMETRICS

Luminaire Output: 689 lumens

Power: 8.8 watts

PRODUCT DATA

Electrical: non-integrated PoE low-voltage driver node

Mounting: ceiling surface mount

Wattage: 9W / 12W / 16W

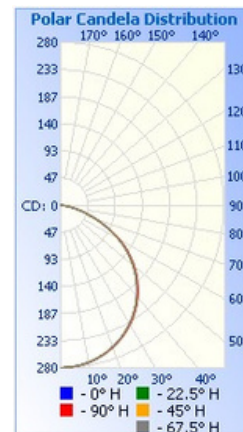
Lumen: 700 lm / 900 lm / 1,100 lm

CRI: 90

Color Temp (CCT): 2700K / 3500K / 4000K / 5000K / tunable (2700K-5000K)

L70: > 50,000 Hours

Rated Lifespan: > 50,000 Hours



Center Beam fc	Beam Width	
	Vertical Spread	Horizontal Spread
2.0ft	69.6 fc	5.7 ft
4.0ft	17.4 fc	11.5 ft
6.0ft	7.73 fc	17.2 ft
8.0ft	4.35 fc	23.0 ft
10.0ft	2.78 fc	28.7 ft
12.0ft	1.93 fc	34.4 ft

■ Vert. Spread: 110.2°
■ Horiz. Spread: 110.2°

FIXTURE PERFORMANCE

Model	Size and Wattage	CCT	Lumens
MHTi-SMD-SC-R-5-9E	5-inch, 9 Watts	27K - 2700K	700
MHTi-SMD-SC-R-7-12E	7-inch, 11 Watts	35K - 3500K	900
MHTi-SMD-SC-R-9-16E	9-inch, 16 Watts	5K - 5000K, AT - 2700K to 5000K	1,100

PoE Lighting Solutions

MHTi-SMD-SC-S

LED SURFACE MOUNTED SQUARE LIGHT SERIES



FEATURES

- LED surface mounted square light with non-integrated sensor and PoE driver node
- Ceiling surface mount
- ETL listed low-voltage lighting system

GENERAL INFORMATION

Applications: airports, corporate campuses, data centers, retail, and healthcare facilities

Warranty: 5-year warranty

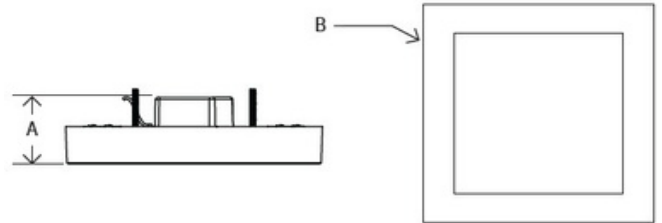
Construction: combination of cast aluminum and steel housing, white frosted polycarbonate diffuser

Certifications:



DIMENSIONS

MHTi-SMD-SC-S-5	A: 2.36"	B: 5.51"
MHTi-SMD-SC-S-7	A: 2.36"	B: 7.48"
MHTi-SMD-SC-S-9	A: 2.36"	B: 9.06"



PHOTOMETRICS

Luminaire Output: 690 Lumens

Power: 9.2 Watts

PRODUCT DATA

Electrical: non-integrated PoE low-voltage driver node

Mounting: ceiling surface mount

Wattage: 9W / 12W / 16W

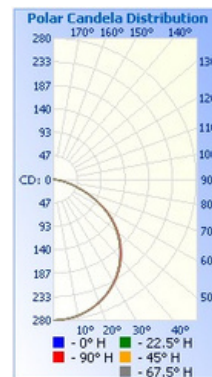
Lumen: 700 lm / 900 lm / 1,100 lm

CRI: 90

Color Temp (CCT): 2700K / 3500K / 4000K / 5000K / tunable (2700K-5000K)

L70: > 50,000 hours

Rated Lifespan: > 50,000 hours



Center Beam fc	Beam Width	
2.0ft	69.6 fc	5.7 ft 5.7 ft
4.0ft	17.4 fc	11.5 ft 11.5 ft
6.0ft	7.73 fc	17.2 ft 17.2 ft
8.0ft	4.35 fc	22.9 ft 23.0 ft
10.0ft	2.78 fc	28.7 ft 28.7 ft
12.0ft	1.93 fc	34.4 ft 34.4 ft

■ Vert. Spread: 110.2°
■ Horiz. Spread: 110.2°

FIXTURE PERFORMANCE

Model	Size and Wattage	CCT	Lumens
MHTi-SMD-SC-S-5-9E	5-inch, 9 Watts	27K - 2700K	700
MHTi-SMD-SC-S-7-12E	7-inch, 11 Watts	35K - 3500K	900
MHTi-SMD-SC-S-9-16E	9-inch, 16 Watts	5K - 5000K, AT - 2700K to 5000K	1,200

PoE Lighting Solutions

MHTi-WRP-SERIES

LED 4FT x 5" WRAP AROUND SERIES



FEATURES

- PoE enabled that works with Inspextor
- Multiple mounting options

GENERAL INFORMATION

Applications: corporate campuses, data centers, education, healthcare facilities, retail spaces

Warranty: 10-year warranty

Construction: die-form steel housing, white frosted finish acrylic lens highly reflective white coating

Certifications:



Intertek

PRODUCT DATA

Electrical: remote PoE low-voltage driver node or 0-10V LED driver

Mounting: suspended cable (standard 3ft), ceiling or wall surface mount

Lumen: 2300 lm / 3,200 lm / 5,500 lm

Max Input Power: PoE: 40W

CRI: > 80

Color Temp (CCT): 3000K/ 3500K / 4000K/ 5000K

L70 Lifetime: > 50,000 hours

Rated Lifespan: > 100,000 hours

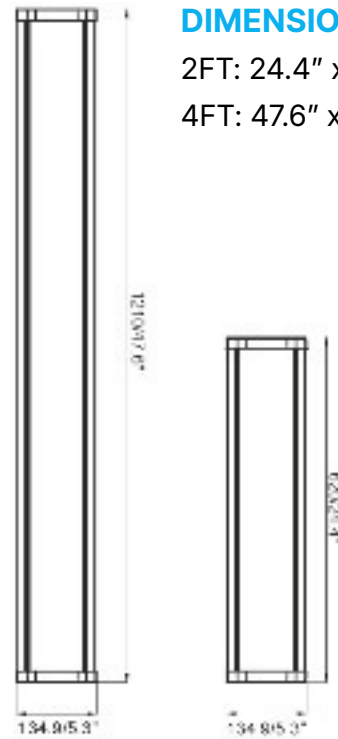
FIXTURE PERFORMANCE

Model	Power	CCT	Lumens	Dimensions
MHTi-WRP-2FT-20W	20 Watts	3000K/ 3500K	3,500	2FT: 24.4" x 5.3" x 3.7"
MHTi-WRP-4FT-28W/40W	40 Watts	4000K/ 5000K	5,000	4FT: 47.6" x 5.3" x 3.7"

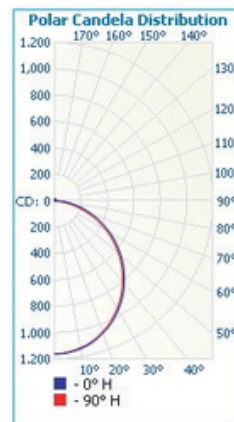
DIMENSIONS

2FT: 24.4" x 5.3" x 3.7"

4FT: 47.6" x 5.3" x 3.7"



PHOTOMETRICS



Center Beam fc	Illuminance at a Distance	
	Beam Width	Beam Width
1.5ft	517 fc	4.1 ft 4.1 ft
3.0ft	129 fc	8.2 ft 8.3 ft
4.5ft	57.5 fc	12.3 ft 12.4 ft
6.0ft	32.3 fc	16.4 ft 16.5 ft
7.5ft	20.7 fc	20.5 ft 20.7 ft
9.0ft	14.4 fc	24.5 ft 24.8 ft

■ Vert. Spread: 107.5°
■ Horiz. Spread: 108.1°

PoE Lighting Solutions

MHTi-WRP-10-SC-4FT

LED 4FT 10" WRAP AROUND SERIES

FEATURES

- White steel housing - 10" width
- Polycarbonate low-glare frosted finished diffuser
- Light weight and impact resistant
- Selectable power and color temperature
- Standard ceiling or wall surface mount

GENERAL INFORMATION

Applications: corporate campuses, education, healthcare facilities, manufacturing facilities and stairwells

Warranty: 10-year warranty

Construction: steel body construction, white frosted finish polycarbonate diffuser

Certifications:



Intertek

PRODUCT DATA

Electrical: remote mounted PoE low-voltage driver

Mounting: ceiling or wall surface mount

Max Lumen: 3,500 lm / 4,200 lm / 6,000 lm

Max Input Power: 28W / 34W / 48W

CRI: > 80

Color Temp (CCT): 3500K / 4000K/ 5000K

L70 Lifetime: > 50,000 hours

Rated Lifespan: > 100,000 hours

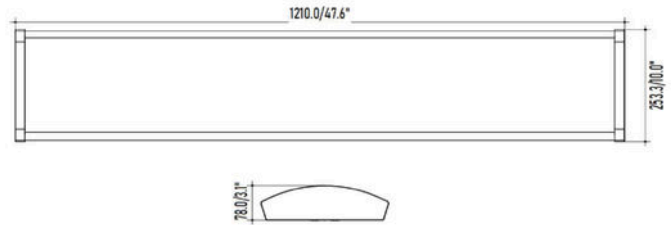
FIXTURE PERFORMANCE

Model	Power	CCT	Lumens	Dimensions
MHTi-WRP-10-4FT-28E-4K	28 Watts	400K	3,500	47.6" × 10" × 3.1"
MHTi-WRP-10-4FT-34E-4K	34 Watts	400K	4,200	47.6" × 10" × 3.1"
MHTi-WRP-10-4FT-48E-4K	48 Watts	400K	6,000	47.6" × 10" × 3.1"



DIMENSIONS

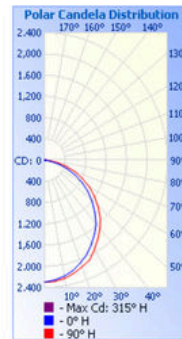
47.6" × 10" × 3.1"



PHOTOMETRICS

Luminaire Output: 6,400 lumens

Power: 55.6 Watts



Center Beam fc	Beam Width	
	Center Beam fc	Beam Width
2.5R	369 fc	7.4 ft 7.4 ft
5.0R	92.2 fc	14.8 ft 14.9 ft
7.5R	41.0 fc	22.2 ft 22.3 ft
10.0R	23.0 fc	29.6 ft 29.7 ft
12.5R	14.8 fc	37.0 ft 37.2 ft
15.0R	10.2 fc	44.5 ft 44.6 ft

■ Vert. Spread: 112.0°
 ■ Horiz. Spread: 112.2°

PoE Lighting Solutions

MHTi-CUBE-SC

LED ARCHITECTURAL LINEAR SERIES

FEATURES

- Available in 2ft, 4ft and 8ft lengths
- Multiple connecting methods
- Direct lighting or direct/indirect lighting
- Multiple mounting options

GENERAL INFORMATION

Applications: airports, corporate campuses, education, healthcare facilities and shopping malls

Warranty: 10-year warranty

Construction: cold-rolled steel construction body, white frosted polycarbonate diffuser

Certifications:



Intertek

PRODUCT DATA

Electrical: PoE low-voltage driver node

Mounting: ceiling surface mount, suspended aircraft cable mount, wall surface mount or recessed ceiling mount

Wattage: 28W / 48W / 68W

Lumen: 3,200 lm / 5,500 lm / 7,800 lm

CRI: 80-85

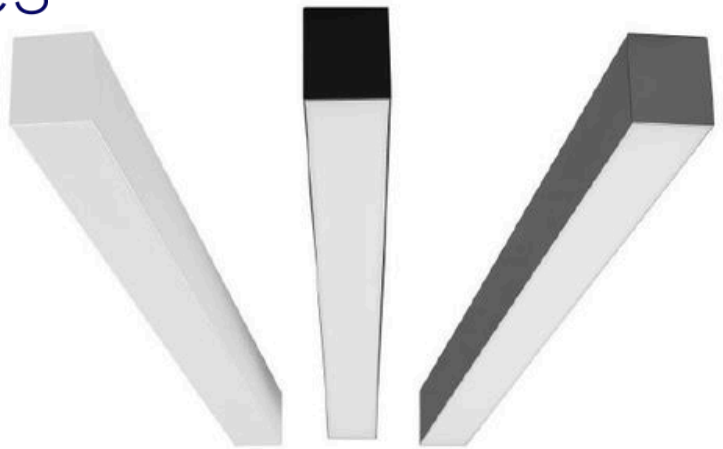
Color Temp (CCT): 3500K / 4000K / 5000K

L70: > 50,000 hours

Rated Lifespan: > 100,000 hours

Size, Wattage, CCT:

- 2FT-28E - 2ft 28W Max 35K - 3500K
- 4FT-28E - 4ft 28W Max 4K - 4000K
- 4FT-48E - 4ft 48W Max 5K - 5000K
- 8FT-48E - 8ft 48W Max AT - 3500K to 5000K



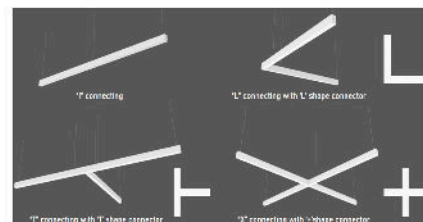
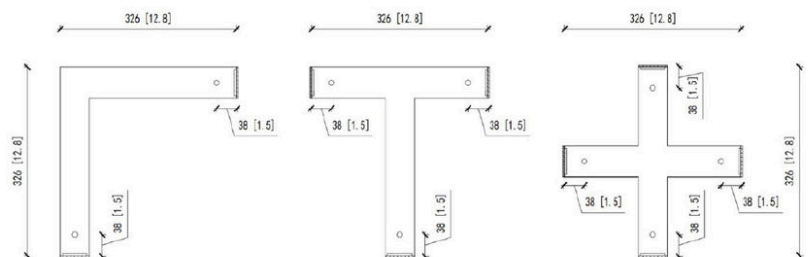
DIMENSIONS (L x W x H)

2ft: 24.5" x 2.1" x 3.4"

4ft: 48.1" x 2.1" x 3.4"

8ft: 95.7" x 2.1" x 3.4"

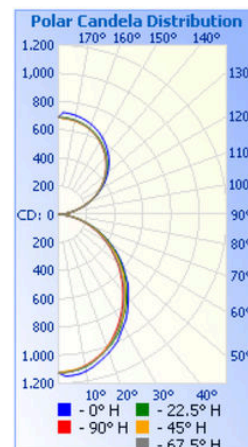
CONFIGURATION OPTIONS



PHOTOMETRICS

Luminaire Output: 5,528 lumens

Power: 47.6 Watts



Distance	Illuminance at a Distance	
	Center Beam fc	Beam Width
2.0ft	501 fc	5.5 ft
4.0ft	125 fc	10.9 ft
6.0ft	55.6 fc	16.4 ft
8.0ft	31.3 fc	21.8 ft
10.0ft	20.0 fc	27.3 ft
12.0ft	13.9 fc	32.7 ft

■ Vert. Spread: 107.5°
■ Horiz. Spread: 108.1°

PoE Lighting Solutions

MHTi-VT

LED VAPOR TIGHT SERIES

FEATURES

- Polycarbonate structure with stainless steel clips
- Polycarbonate low glare frosted finished diffuser
- IK10 - corrosion and impact proof
- Standard surface mount, optional cable mount
- UL 2108 compliant

GENERAL INFORMATION

Applications: building interiors, garages, security lighting, walkways

Warranty: 10-year warranty

Construction: polycarbonate housing, frosted finished diffuser, stainless steel clips

Certifications:



PRODUCT DATA

Electrical: PoE low-voltage driver node

Mounting: standard surface mount, optional cable mount

Max Lumen: 2,600 lm / 4,500 lm / 9,000 lm

Max Input Power: 48W

CRI: > 80

Color Temp (CCT): 3500K / 4000K/ 5000K / tunable

L70 Lifetime: > 50,000 hours

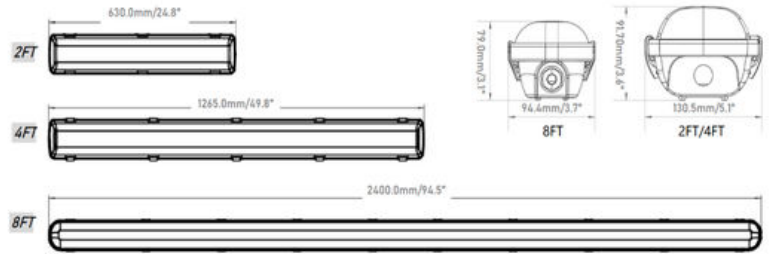
Rated Lifespan: > 100,000 hours

FIXTURE PERFORMANCE

Model	Power	CCT	Lumens	Dimensions
MHTi-VT-4FT-34E-4K	20 Watts	4000K	2,600	24.8" x 5.1" x 3.6"
MHTi-VT-4FT-34E-4K	34 Watts	4000K	4,500	49.8" x 5.1" x 3.6"
MHTi-VT-8FT-68E-4K	68 Watts	4000K	9,000	94.5" x 3.7" x 3.1"



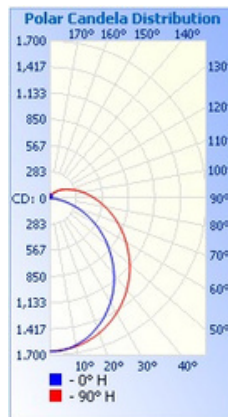
DIMENSIONS



PHOTOMETRICS

Luminaire Output: 6,116 lumens

Power: 55.6 Watts



Distance	Illuminance at a Distance	
	Center Beam fc	Beam Width
2.5ft	266 fc	6.2 ft x 11.7 ft
5.0ft	66.5 fc	12.5 ft x 23.4 ft
7.5ft	29.6 fc	18.7 ft x 35.1 ft
10.0ft	16.6 fc	24.9 ft x 46.8 ft
12.5ft	10.6 fc	31.2 ft x 58.5 ft
15.0ft	7.39 fc	37.4 ft x 70.2 ft

■ Vert. Spread: 102.5°
■ Horiz. Spread: 133.7°

PoE Lighting Solutions

MHTi-LHB-PRM

LED LINEAR HIGH BAY SERIES (68W / 135W)



FEATURES

- Steel body construction
- Frosted finished polycarbonate diffuser
- One PoE node up to 68W or two PoE nodes up to 135W
- Integrated or remote PoE node
- Standard 3.5ft chain mount with V hooks

GENERAL INFORMATION

Applications: convention centers, gym, manufacturing facilities, warehouses

Warranty: 10-year warranty

Construction: steel body construction, white frosted finished polycarbonate diffuser

Certifications:



Intertek

PRODUCT DATA

Input Voltage: PoE low-voltage driver node

Rated Wattage: 68W / 135W

Fixture Lumen: 10,000 lm / 20,000 lm

Mounting: standard V hooks with 3.5 ft chain mount

Lumen per Watt: 150 lm/W

CRI: > 80

Color Temp (CCT): 4000K / 5000K

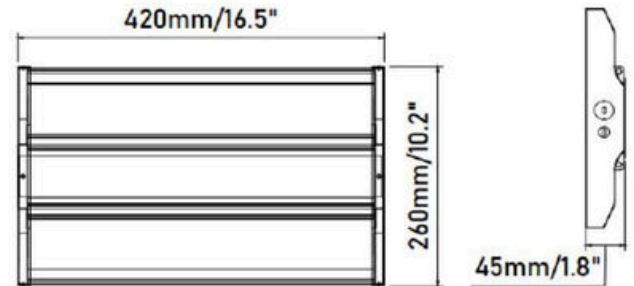
L70: > 60,000 hours

Rated Lifespan: > 100,000 hours

FIXTURE PERFORMANCE

Model	Power	CCT	Lumens	Dimensions
MHTi-LHB-PRM-68E-5K	68 Watts	500K	10,000	16.5" x 10.2" x 1.8"
MHTi-LHB-PRM-135E-5K	135 Watts	500K	20,000	16.5" x 10.2" x 1.8"

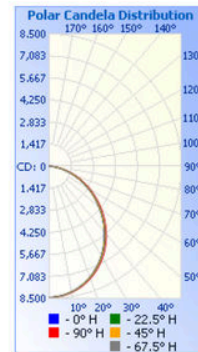
DIMENSIONS



PHOTOMETRICS

Luminaire Output: 19,860 lumens

Power: 134.6 Watts



Distance	Illuminance at a Distance	
	Center Beam fc	Beam Width
5.0ft	338 fc	12.7 ft x 12.6 ft
10.0ft	84.5 fc	25.3 ft x 25.2 ft
15.0ft	37.5 fc	38.0 ft x 37.8 ft
20.0ft	21.1 fc	50.6 ft x 50.4 ft
25.0ft	13.5 fc	63.3 ft x 63.0 ft
30.0ft	9.39 fc	76.0 ft x 75.7 ft

■ Vert. Spread: 103.4°
■ Horiz. Spread: 103.2°

PoE Lighting Solutions

MHTi-VOLS-SC

LED SINGLE LENS VOLUMETRIC TROFFER SERIES



FEATURES

- Single basket volumetric LED troffer available with integrated PoE driver node
- ETL listed low-voltage lighting systems

GENERAL INFORMATION

Applications: corporate campuses, data centers, education, retail, and healthcare facilities

Warranty: 10-year warranty

Construction: steel and highly reflective white finish, frosted acrylic lens

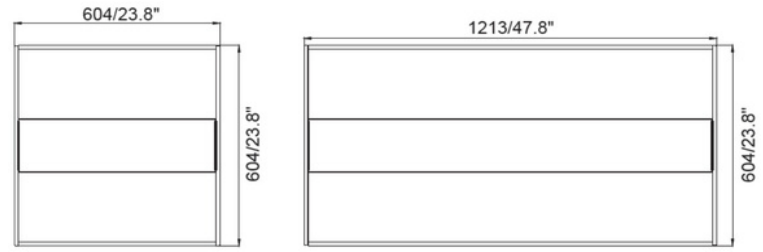
Certifications:



DIMENSIONS

2x2: 23.8" x 23.8" x 3.6"

2x4: 23.8" x 47.8" x 3.6"



PRODUCT DATA

Electrical: PoE low-voltage driver node

Mounting: standard recessed ceiling grid mount

Wattage: 28W / 48W

Lumen: 3,500 lm / 6,000 lm

CRI: 80-85

Color Temp (CCT): 3500K / 4000K / 5000K / tunable

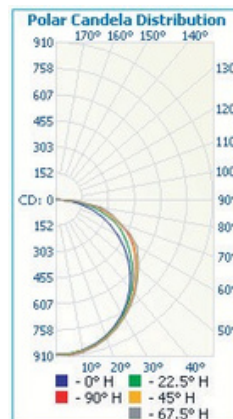
L70: > 50,000 hours

Rated Lifespan: > 100,000 hours

PHOTOMETRICS

Luminaire Output: 3,454 Lumens

Power: 27.6 Watts



	Center Beam fc	Beam Width	
1.5ft	398 fc	4.6 ft	6.6 ft
3.0ft	99.4 fc	9.2 ft	13.2 ft
4.5ft	44.2 fc	13.7 ft	19.8 ft
6.0ft	24.9 fc	18.3 ft	26.4 ft
7.5ft	15.9 fc	22.9 ft	33.0 ft
9.0ft	11.0 fc	27.5 ft	39.6 ft

■ Vert. Spread: 113.6°
■ Horiz. Spread: 131.1°

FIXTURE PERFORMANCE

Model	Size and Wattage	CCT	Lumens
MHTi-VOLS-SC-2X2-28E-35K	23.8" x 23.8" Panel, 28W	35K - 3500K	3,500
MHTi-VOLS-SC-2X4-28E-35K	23.8" x 47.8" Panel, 28W	4K - 4000K	3,500

PoE Lighting Solutions

MHTi-PAN-SC

LED BACK-LIT PANEL SERIES



FEATURES

- Full and even illumination across diffuser (no glare)
- ETL listed low-voltage lighting systems

GENERAL INFORMATION

Applications: corporate campuses, data centers, education, retail, and healthcare facilities

Warranty: 10-year warranty

Construction: combination of aluminum and steel body construction, durable and efficient white acrylic diffuser

Certifications:



Intertek

PRODUCT DATA

Electrical: PoE low-voltage driver node

Mounting: surface mount kit, cable mount kit, drywall flange kit

Wattage: 28W / 48W

Lumen: 3,500 lm / 6,000 lm

CRI: 80-85

Color Temp (CCT): 3500K / 4000K / 5000K / tunable

L70: > 50,000 hours

Rated Lifespan: > 100,000 hours

FIXTURE PERFORMANCE

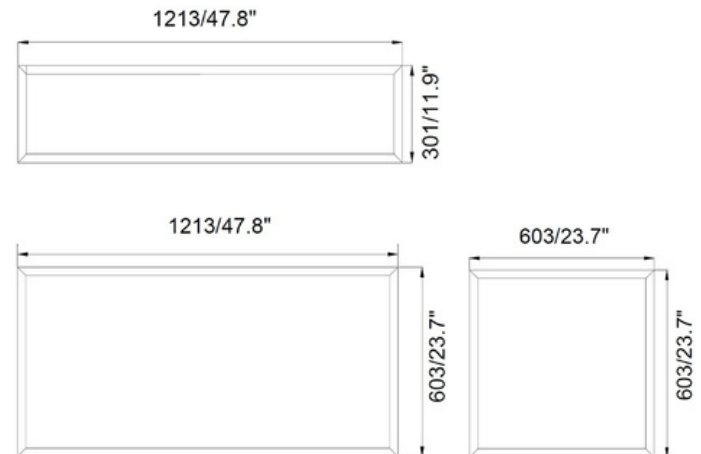
Model	Size and Wattage	CCT	Lumens
MHTi-PAN-SC 2x2-28E	23.7" x 23.7" Panel, 28 Watts	35K - 3500K	3,500
MHTi-PAN-SC 1x4-28E	11.9" x 47.8" Panel, 28 Watts	4K - 4000K	3,500
MHTi-PAN-SC 2x4-28E	23.7" x 47.8" Panel, 28 Watts	5K - 5000K	3,500

DIMENSIONS

2x2: 23.7" x 23.7" x 1.6"

1x4: 11.9" x 47.8" x 1.6"

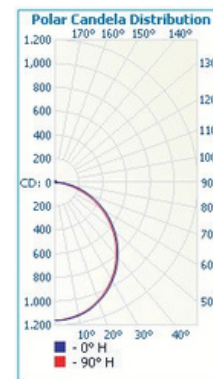
2x4: 23.7" x 47.8" x 1.6"



PHOTOMETRICS

Luminaire Output: 3,506 lumens

Power: 28 Watts



Distance (ft)	Illuminance at a Distance	
	Center Beam fc	Beam Width
1.5ft	517 fc	4.1 ft
3.0ft	129 fc	8.2 ft
4.5ft	57.5 fc	12.3 ft
6.0ft	32.3 fc	16.4 ft
7.5ft	20.7 fc	20.5 ft
9.0ft	14.4 fc	24.5 ft

■ Vert. Spread: 107.5°
■ Horiz. Spread: 108.1°

PoE Lighting Solutions

MHTi-BULB-SC

LED BULB SERIES

FEATURES

- Versatile PoE bulb for existing fixtures
- A19 (7W) and A21 (12W) bulbs
- UL low-voltage lighting compliant



GENERAL INFORMATION

Applications: interior: residential, commercial, hospitality

Warranty: 3-year warranty

Construction: durable white polycarbonate housing and lens or filament LED and clear glass construction

Certifications:



PRODUCT DATA

Electrical: non-integrated PoE low-voltage driver node, sensor, emergency battery backup

Mounting: E26 base

Max Input Power: 7W / 12W

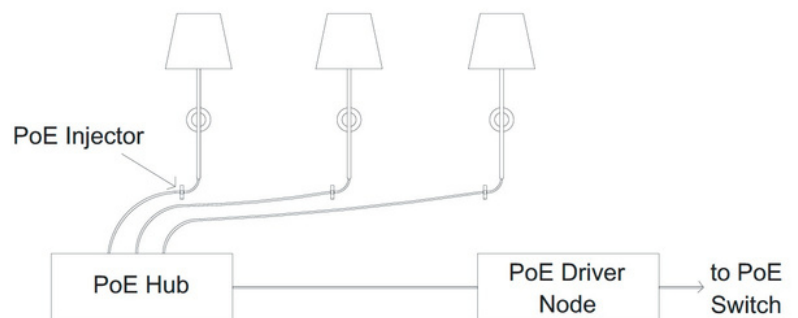
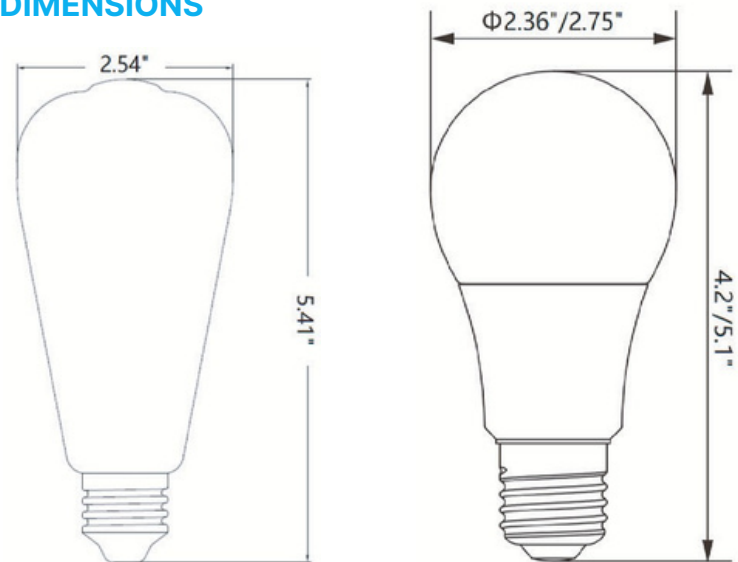
CRI: 80-85

Color Temp (CCT): 2700K / 3000K / 3500K / 4000K / 5000K

Certificate: UL 924

Rated Lifespan: > 50,000 hours

DIMENSIONS



FIXTURE PERFORMANCE

Model	Wattage	Lumens	Bulb Options
MHTi-BULB-SC-7E-3K-FL	7W (up to 6 bulbs per port)	600	FL - frosted PC
MHTi-BULB-SC-7E-3K-CL	7W (up to 6 bulbs per port)	500	CL - clear glass (filament only)
MHTi-BULB-SC-12E-3K-FL	12W (up to 4 bulbs per port)	1,100	FL - frosted PC

PoE Lighting Solutions

MHTi-EM114-SC

LED EMERGENCY LIGHT SERIES

FEATURES

- High impact, thermoplastic and fire-resistant ABS housing
- Bright red LEDs and 6" high letters with 3/4" stroke are visible from up to 100ft away
- Test switch and charge indicator
- Multiple mounting capabilities
- Single-sided or double-sided

GENERAL INFORMATION

Applications: commercial buildings, corporate campuses, education, healthcare facilities and stairwells

Warranty: 5-year warranty

Construction: thermoplastic and fire-resistant ABS housing

Certifications:



PRODUCT DATA

Electrical: PoE low-voltage driver node

Mounting: wall surface mount, ceiling surface mount, or side surface mount

Emergency Mode: minimum 90-minute emergency illumination

Max Input Power: 3W

Battery: Ni-MH

CRI: 90

Color Temp (CCT): red LEDs

Certificate: UL 924

Rated Lifespan: > 50,000 hours

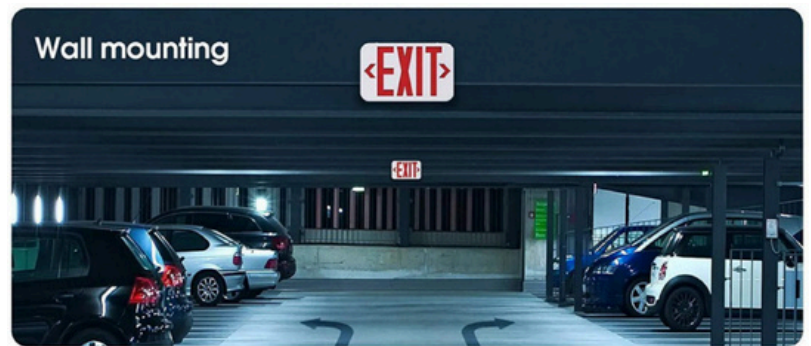
Dimensions: 11.7" x 7.36" x 1.77" (length x height x depth)



DIMENSIONS



INSTALLATION



PoE Desk Kits

Next Gen Poe Desk

PoE Enabled Height Adjustable Desk

Intelligent, network-powered workstation for modern environments

The Next Gen PoE Desk transforms the workstation into a network-powered asset by delivering power, data, and intelligence through simplified PoE infrastructure. Designed for modern workplaces, it enables cleaner deployments, flexible layouts, and improved workspace visibility without traditional AC power at the desk.

Features

- Power and data delivered through PoE
- Two cables power desk and connected devices
- Integrated USB-C docking for power and A/V
- Real-time desk occupancy status
- Power utilization visibility at the workstation
- Supports single or dual monitor configurations

General Information

- **Applications:** corporate offices, flexible workspaces, and smart environments
- **Installation:** network-powered deployment using PoE infrastructure
- **System integration:** designed for use with Inspextor nodes and platform
- **Workstation type:** height-adjustable sit-stand desk
- **Construction:** integrated frame with under-desk node housing
- **Operating environment:** indoor commercial environments

Product Data

- **Power input:** PoE (Power over Ethernet)
- **Cabling:** Two Ethernet cables for desk and monitor operation
- **Connectivity:** USB-C docking for power and data
- **Monitoring:** Occupancy, power usage, and environmental sensing
- **Control:** Inspextor platform integration

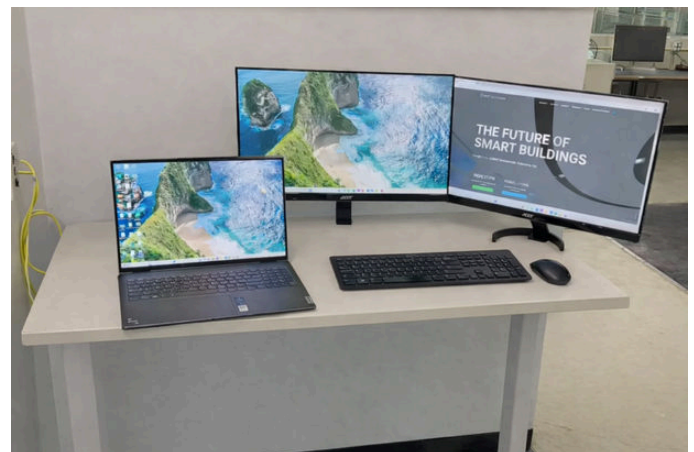
Single Monitor Configuration

34" curved monitor setup



Dual Monitor Configuration

Dual 24" monitor setup



Window Shade Solutions



MHT Technologies supports PoE window shade solutions powered by the Inspextor platform and enhanced by aida™.

By integrating automated shades with lighting and building systems, these shades enable coordinated daylight control, improved comfort, and optimized building performance.

GENERAL INFORMATION

- **Solution Type:** PoE-powered automated window shades
- **Power:** low-voltage PoE infrastructure
- **Integration:** unified with Inspextor platform and aida™ software
- **Applications:** offices, healthcare, education, hospitality, commercial, and multi-unit residential environments

BENEFITS & CAPABILITIES

- Automated daylight and glare control
- Coordinated control with lighting, sensors, and HVAC systems
- Improved comfort and building efficiency
- Unified control with lighting and connected systems
- Scalable across spaces and facilities

From office spaces to mission-critical environments, MHT window shade solutions are designed to adapt to the needs of each project while maintaining a consistent, intelligent infrastructure. Shading imagery courtesy of Mecho.



About MHT Technologies

MHT Technologies is a leader in Power over Ethernet (PoE) smart building infrastructure, delivering integrated solutions that combine power, control, and data across a single low-voltage network. Built on enterprise-grade network infrastructure, including Cisco® platforms, Inspextor enables scalable, intelligent environments across a wide range of industries.

MHT also supports commercial window shade solutions powered by the Inspextor platform and enhanced by aida™. By integrating automated shades with lighting and building systems, these solutions improve occupant comfort, optimize daylighting, and contribute to overall energy efficiency.

WHAT WE DELIVER

- PoE lighting and smart building infrastructure
- Integrated control across lighting, shading, and connected systems
- Scalable solutions for commercial and enterprise environments
- Data-driven insights for improved performance and efficiency

A COMPLETE SMART BUILDING ECOSYSTEM

From power delivery to intelligent automation, MHT provides a unified approach to building infrastructure. Inspextor delivers reliable power and connectivity, while aida™ adds intelligence and automation, creating spaces that are more responsive, efficient, and easier to manage.

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