

LED Troffer LIGHT



SMART 200 SERIES



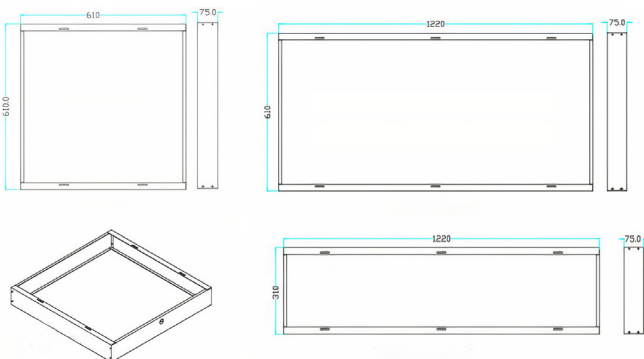
PRODUCT DESCRIPTION:

Morstar tunable white troffer luminaires create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. This LED lighting was created for the commercial, educational, healthcare and hospitality space. Through Bluetooth meshed technology and intelligent control system, CCT / brightness adjustment, schedule management, motion detection and group control can be achieved on App or Saas.

CONTROLS:

- Bluetooth Microwave motion sensor
- Zigbee technology wireless intelligent lighting controller based on Zhaga BOOK18 standard

DIMENSION DRAWING:



FEATURES:

- Wireless setup and group control via Morlink mobile app
- Lumileds LED high luminous efficiency and long life
- Base on Morlink / Silvair Bluetooth Wireless Control
- Input voltage: 120-277V AC or 120-347V AC
- Size options: 2x4, 2x2, 1x4
- L70 Lumen Maintenance \geq 100,000 at 25°C (77°F)
- Compliant with US and Canada or CE codes
- Superior efficacy meets DLC Premium requirements.

APPLICATIONS:

- Schools & universities
- Offices & municipal buildings
- Healthcare facilities & hospitals
- Operating Temperature -22°F to 122°F (-40°C to +50°C)

WARRANTY:

- 5-year standard warranty

DIMENSION CHART:

POWER	L (INCH)	W (INCH)	H (INCH)
2*2 (20W)	23.74"	23.74"	1.97"
2*2 (30W)	23.74"	23.74"	1.97"
2*4 (30W)	47.71"	23.74"	1.97"
2*4 (45W)	47.71"	23.74"	1.97"
1*4 (30W)	47.71"	11.93"	1.97"



PARAMETER

Ordering information

MA-HTR203FS-30W-AH-A--HV-P-B

FAMILY	WATTAGE	CCT	BREAKET	HV	SENSOR MODEL	OPTIONS
MA-HTR=LED Troffer Light	30W	30K=3000K 40K=4000K 50K=5000K AH= tunable white (2700K - 6500K)	Blank A=Slip Filter B=Arm; B2=Arm(Adj) C=Trunnion; E=Yoke	HV=347V LV=277V	M=Microwave P=PIR Z=Zhaga Zegbee	B=BLE Control EM= Emergency Driver


¹TCP=3000K/4000K/5000K DIP Selectable
CCT=3000K-5000K Setp less Adjustable

SPECIFICATION:

		MA-HTR201FS	MA-HTR202FS	MA-HTR203FS	MA-HTR204FS	MA-HTR205FS
ITEM	SPECIFICATION	DETAILS				
GENERAL PERFORMANCE	Power Consumption	2*2 (20W)	2*2 (30W)	2*4 (30W)	2*4 (45W)	1*4 (30W)
	Equivalent Wattage	60W	90W	90W	135W	90W
	Lumens Delivered	2500LM	3750LM	3750LM	5625LM	3750LM
	Efficacy	125LM/W (±10%)				
	CRI	Ra>80/90				
	Color Temperature	2700K/3000K/4000K / 5000K / 5700K / 6500K				
	Diffuser	White Diffuser				
	L70 Lumen maintenance	100000Hrs (Ta=25°C@L70)				
ELECTRICAL	Power Factor	>0.95				
	Input Voltage	100-277VAC / 100-347VAC				
	Dimming	0-10V dimmable				
	LED Chip	2835				
PHYSICAL	Mounting	Surface Mount Kit				
	Operating Temperature	-20°F to 122°F				
QUALIFICATION	Qualifications	FCC, DLC5.1Premium				
	Material Usage	CE RoHS compliant; no mercury				
	Environment	Indoor				
	Warranty	5 Year Warranty				

*To stem mount product,remove hook in the field.

ACCESSORIES (For APP Smart Fixture):

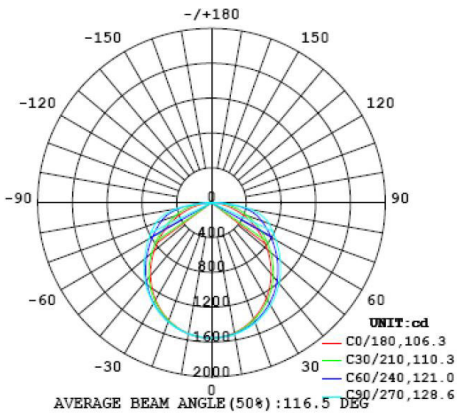
MODEL NUMBER	DESCRIPTION	IMAGE
MA-LH101M	Bluetooth PIR sensor works with Morlink / Silvair	



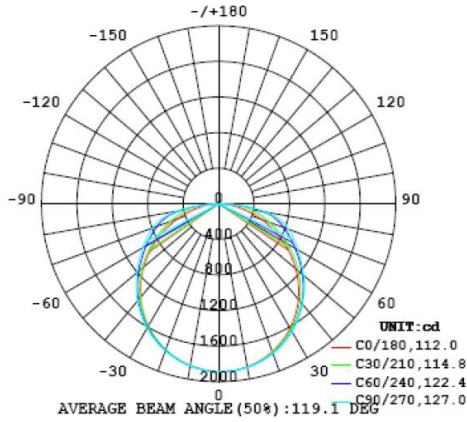
LUMINOUS INTENSITY DISTRIBUTION CURVE:

Photometric values based upon tests performed in compliance w/ LM-79.

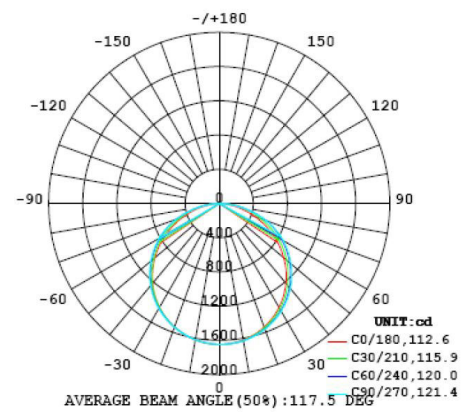
1.MA-HTR201FS-2*2



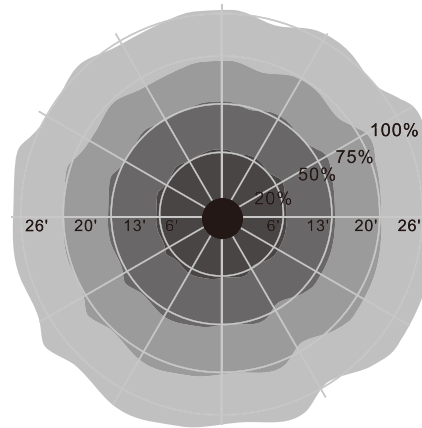
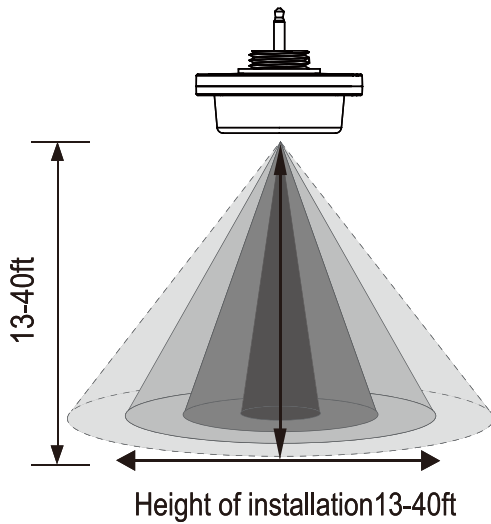
2.MA-HTR203FS-2*4



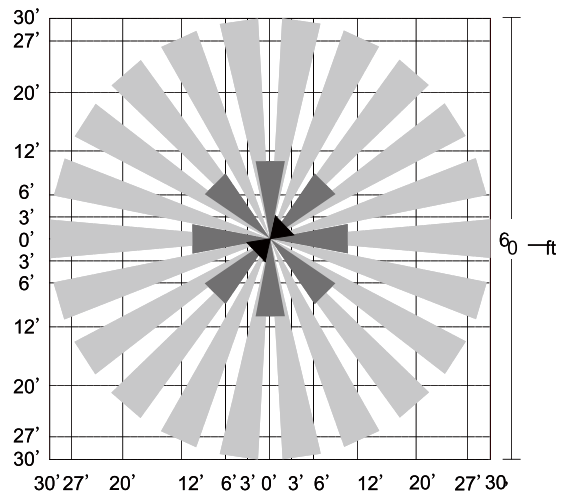
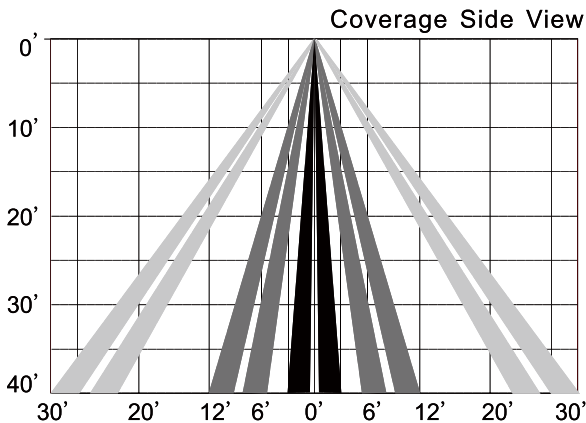
3.MA-HTR205FS-1*4



MICROWAVE SENSOR COVERAGE:



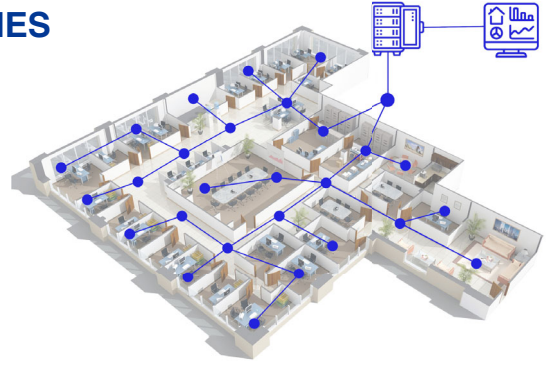
PIR SENSOR COVERAGE:



*Other beam distributions available as special orders. Contact Morstar for more details.



Our Smart Lighting Solutions



MORLINK

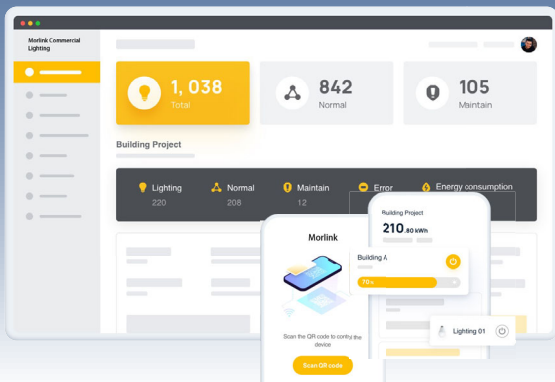


Complete Businesses
Smart Lighting Solution

01 Multi-application platform design, integrating Bluetooth, Zigbee and WiFi wireless general technology can realize equipment group control, equipment monitoring and fault diagnosis, scene management, and automation, etc.

02 Users can share lighting equipment by equipment category or area on the Morlink SaaS platform, and scan the equipment sharing QR code through the Morlink applet for remote control.

03 Support visual management of equipment, large-scale data analysis, user authorization and allocation, site mapping and configuration, and unified management of multiple projects.



SILVAIR



Reliable and energy-efficient
lighting control solution

Silvaire Intelligent Lighting Control System is a wireless lighting control system that uses Bluetooth mesh technology to enable advanced lighting control capabilities. Compared to other competitors in the market.



Compatibility

Compatible with more devices including DALI and 0-10V interfaces. Can be easily integrated into existing lighting infrastructure without major changes.



Capabilities

More advanced lighting control functions can be integrated with other building automation systems to provide a comprehensive solution for intelligent lighting control.



Interface

Friendly interface: Intuitive user interface, can easily control and manage their lighting system and provide configuration and customization services to meet specific user needs.



Scalability

Highly scalable and can be easily expanded as lighting needs grow. This makes it an ideal solution for both small and large-scale projects.

