PROJECT NAME :

CATALOG NJMBER :

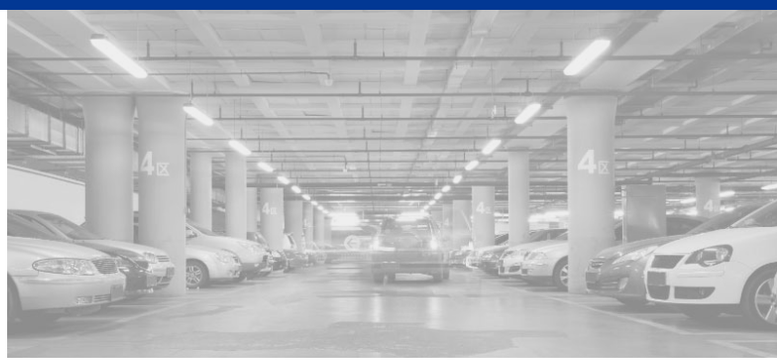
NOTES :

FIXTURE SCHEDULE :

LED SMART VAPOR LIGHT

Bluetooth SMART LIGHTING

SMART A SERIES



PRODUCT DESCRIPTION:

The Smart A Series Anti-Vapor Sealed Lights is a highly durable and robust line of Tri-Proof lights designed for production areas,parking facilities, and any other low-bay application. With the APP combined with the built-in UL dual-channel intelligent driver and Bluetooth sensor, you can adjust the CCT, brightness, standby time, and motion detection and create a schedule.

FEATURES:

- Traditional design, suitable for rugged, demanding applications
- Occupancy and daylight harvesting sensor
- Base on Morlink / Silvair Bluetooth Wireless Control
- High-quality LED chips provide up to 140LM/W@Ra>80
- IP65, suitable for wet places
- Designed for surface and suspended mounting
- Compliant with US and Canada or CE codes
- Superior efficacy meets DLC Premium requirements.

CONTROLS:

- Wireless occupancy and daylight sensor
- Led Driver with built-in wireless BlueTooth module

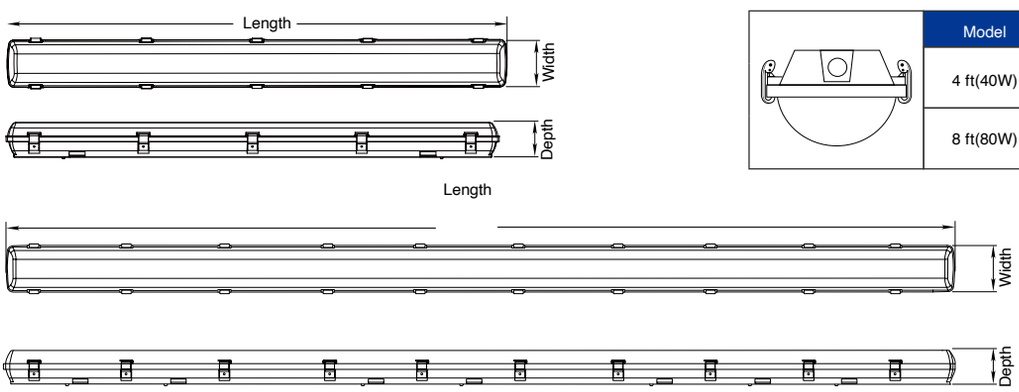
APPLICATIONS:

- Parking Structures & Public Areas
- Industrial Facilities & Food Processing Facilities
- Walkways & Car Washes

WARRANTY:

- 5-year standard warranty

DIMENSION DRAWING:



DIMENSION CHART:

Model	Length	Width	Depth
4 ft(40W)	47.20"	4.30"	3.74"
8 ft(80W)	94.0"	4.30"	3.74"

DLC PREMIUM | ETL Intertek | 120-277 VOLT | 120-347 VOLT | 80 CRI | IP65 | 5 YEAR WARRANTY | UL VERIFIED

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Revised: 05/22

MORSTAR LIGHTING

LED VAPOR TIGHT LIGHT
SMART A SERIES

PARAMETER

Ordering information MA-HVP451A-40W-F-CCT-D-HV-M-B

FAMILY	WATTAGE	DIFFUSER TYPE	CCT	D	HV	SENSOR MODEL	OPTIONS
MA-HVP451A= LED Vapor tight Light 451A Series	40W	F=Frosted Diffuser C=Clear Diffuser	[1]TCP=3CCT Selectable CCT=CCT Smart Adj	Dimming	HV=347V LV=277V	M=Microwave P=PIR	B=BLE Control EM= Emergency Driver

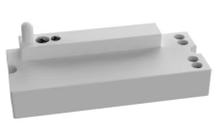
[1] TCP=3000K/4000K/5000K DIP Selectable
CCT=3000K-5000K Setpless Adj

SPECIFICATION:

ITEM	SPECIFICATION	MA-HVP451A-40W	MA-HVP881A-80W
GENERAL PERFORMANCE	Power Consumption	40W	80W
	Equivalent Wattage	2 x 32W T8	4 Tube Fluorescent Fixture
	Lumens Delivered	5,600 lm	11,200 lm
	Efficacy	140 lm/W	
	CRI	80+	
	Color Temperature	3000K / 4000K / 5000K DIP Selectable or CCT App Adjustable	
	L70 Lumen maintenance	50,000 hours	
ELECTRICAL	Power Factor	>0.9	
	Input Voltage	120-277V / 120-347V	
	Dimming	0-100% Dimming	
PHYSICAL	Mounting	Chain and “S” hook(Standard), Surface Mount, Rod Mount Kit, Cable Mount Kit (optional)	
	Operating Temperature	-30°F to 130°F	
QUALIFICATION	Qualifications	ETL / DLC V5.1 preminum / HCL	
	Material Usage	RoHS compliant; no mercury	
	Environment	Suitable for use in indoor, outdoor, wet, and cold locations	
	Warranty	5 Years Warranty	

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

BUILT-IN BLUETOOTH MICROWAVE SENSOR:

	MODEL NUMBER	DESCRIPTION
	MA-LH101A	Bluetooth Microwave Motion Sensor With Daylight Harvesting

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LED VAPOR TIGHT LIGHT
SMART A SERIES

PHOTOMETRIC REPORTS

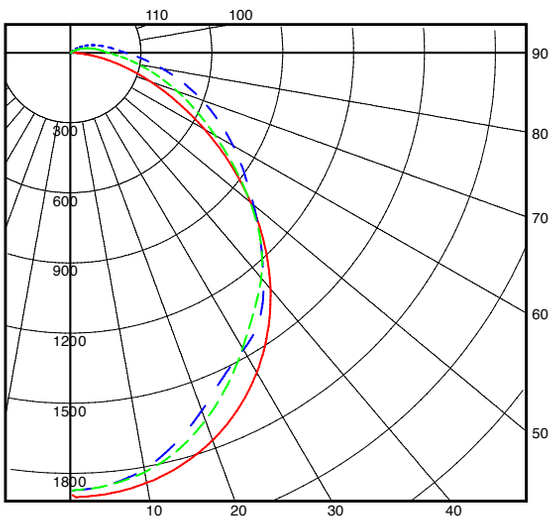
Photometric values based upon tests performed in compliance w/ LM-79.

HVP451A-40W-F-CCT-D-HV-M-B

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.2 %
EFFICIENCY (Uplight):	4.8 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg):	1.25
SPACING CRITERION (90-Deg):	1.17
LUMENS:	5420.44
INPUT WATTS:	39.8

CANDELA PLOT



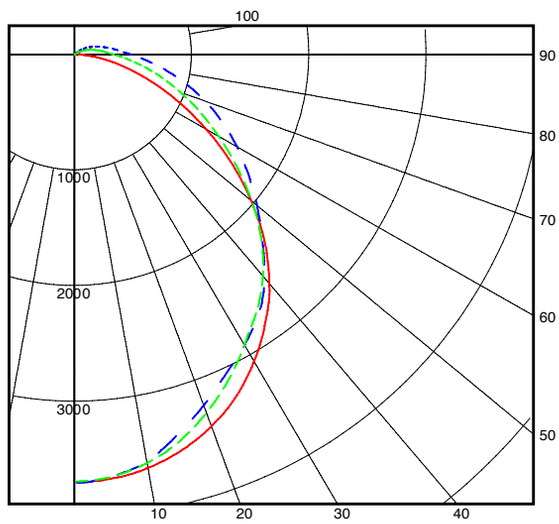
Quadralaterally Symmetric
Solid: 0 Degrees Small Dash: 45 Degrees Large Dash: 90 Degrees

HVP851A-80W-F-CCT-D-HV-M-B

SUMMARY DATA

HEMISPHERES TESTED:	BOTH
EFFICIENCY (Downlight):	95.2 %
EFFICIENCY (Uplight):	4.8 %
CIE CLASSIFICATION:	DIRECT
SPACING CRITERION (0-Deg):	1.23
SPACING CRITERION (90-Deg):	1.18
LUMENS:	10772.35
INPUT WATTS:	77.18

CANDELA PLOT

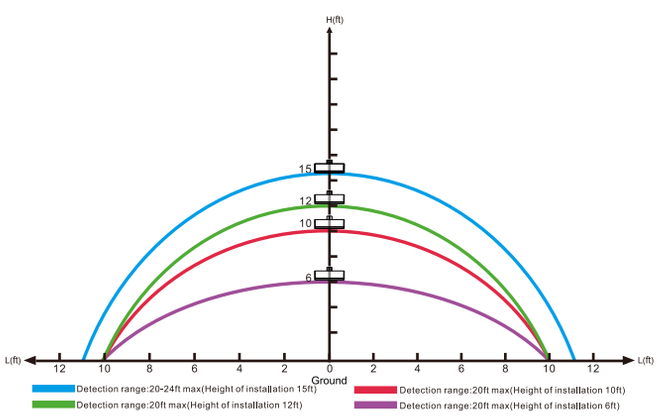


Quadralaterally Symmetric
Solid: 0 Degrees Small Dash: 45 Degrees Large Dash: 90 Degrees

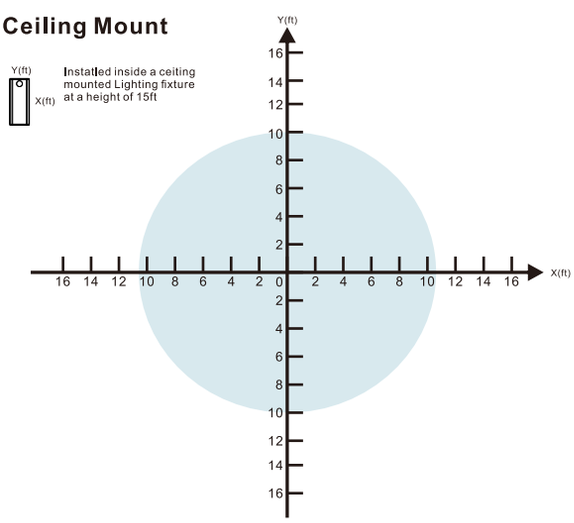
INTEGRATED OCCUPANCY AND DAYLIGHT SENSOR COVERAGE:

SENSITIVITY OF LOW

Suggested Mounting Height:8-15ft



Ceiling Mount



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LED VAPOR TIGHT LIGHT
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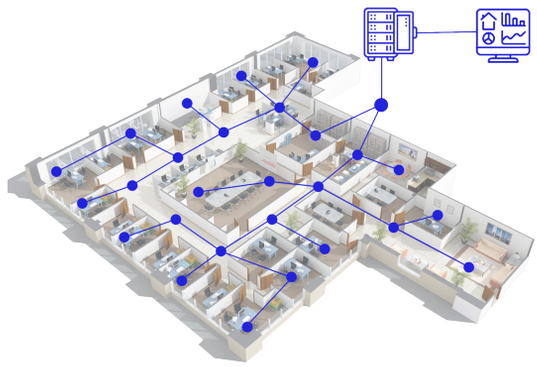


Our Smart Lighting Solutions

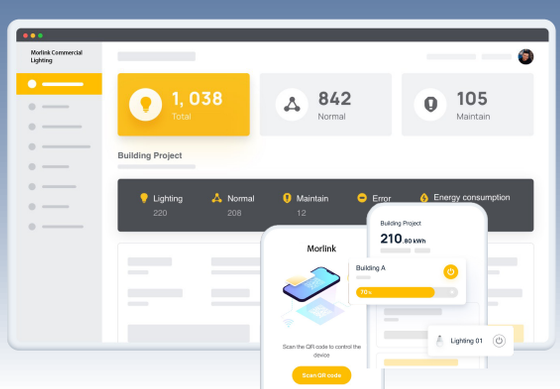
MORLINK

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

Silvair 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.

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