

MPHL1

Applications

The HARRIS MPHL1 fixture is ideal for low bay, assembly line, strip, surface mount, continuous run or task options in warehouse and retail environments where linear lighting is needed.



Product Shown: MPHL14A1UNVFDXXFRL850

Features

- Innovative design and order logic allows for a continuous run. Wire harness option provides left, right and center electrical connection for continuous run fixtures and provides "quick connect system" between fixtures for labor savings and ease of installation
- Contour frosted lens or baffle steel louver [available in 4' only] options available to reduce glare and spread light evenly
- White heavy gauge cold rolled steel body
- Surface mounting is standard. Suspended mounting option available
- Battery backup option available
- Field installed wireguard kit options available
- Single or bulk packaging available to suit job installation needs
- 10 kA surge protection available

Electrical

- Available in 120v-277v
- Full Dimming [0-10v] drivers standard

Ambient Operating Range

See ambient operating table on page 2

Fixture Certification & Listings

- UL/cUL Listed for Damp Locations
- Buy American Act Compliant
- DesignLights Consortium™ Standard qualified luminaire
- Visit the [DLC QPL](#) for listed models

Rated Life

100,000 hours L70

Warranty

Orion HARRIS class LED fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties.



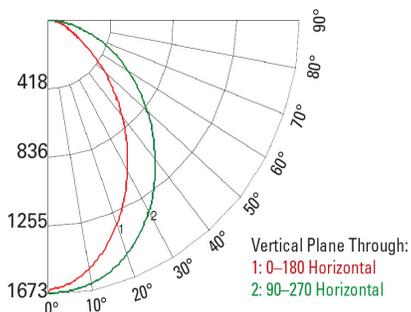
Performance Information, Frosted Lens^{3, 8}

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
4' Increment									
MPHL1	A1	1,757lm	120v	14w	124	5000K	≥80	0.12A	>.90
MPHL1	B1	2,989lm	120v	25w	121	5000K	≥80	0.21A	>.90
MPHL1	C1	4,434lm	120v	37w	120	5000K	≥80	0.31A	>.90
MPHL1	D1	6,724lm	120v	54w	125	5000K	≥80	0.45A	>.90
8' Increment									
MPHL1	E1	3,638lm	120v	27w	136	5000K	≥80	0.22A	>.90
MPHL1	F1	6,187lm	120v	47w	133	5000K	≥80	0.39A	>.90
MPHL1	G1	9,179lm	120v	70w	131	5000K	≥80	0.58A	>.90
MPHL1	H1	13,919lm	120v	102w	136	5000K	≥80	0.85A	>.90

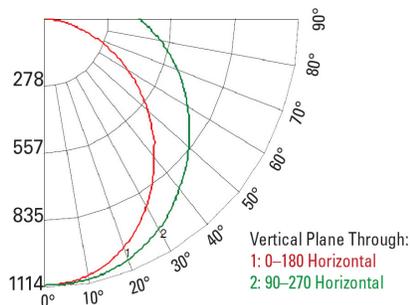
Photometrics

Visit orionlighting.com to obtain all .IES files

C1 BFL 840



C1 FRL 840



Ambient Operating Temperatures⁶

Nominal Lumen Code	Standard Range
A1/B1/E1/F1	-20°C - 55°C [-4°F - 131°F]
C1/G1	-20°C - 45°C [-4°F - 113°F]
D1/H1	-20°C - 35°C [-4°F - 95°F]

Physical Information

Fixture Size	Length	Width	Depth with Baffle	Depth with Frosted Lens	Depth with No Lens	Weight ⁴
4'	46.00"	2.70"	2.75"	3.75"	2.13"	6.60lbs.
8'	92.00"	2.70"	n/a	3.75"	n/a	13.20lbs.

Ordering Information Example (NOTE: No dashes or spaces unless noted below)

Series	Fixture Size	Nominal Lumen Code	Voltage	Driver Type	Lens Options	CRI; Color Temp	Power Connection	Fixture Options	Continuous Run Options	Packaging Options
MPHL1	4	A1	UNV	FDXX	FRL	850	[Blank]	BBXX	WIHA	-SP

Ordering Information

Series	Fixture Size	Nominal Lumen Code ¹	Voltage	Driver Type ²	Lens Options	CRI; Color Temp	Power Connection	Fixture Options	Continuous Run Options	Packaging Options
MPHL1= HARRIS LED Multipurpose Linear, Gen 1	4= 4 ft.	4 ft. A1= 1,500lm B1= 3,000lm C1= 4,500lm D1= 6,500lm	UNV= 120v-277v	FDXX= Full Dimming 0-10v	NOL= No Lens FRL= Contour Frosted BFL= Baffle Steel Louver NOTE: All 8' models are available with FRL lens option only Note: Wireguard Available [See Accessories Table]	835= 80CRI; 3500K 840= 80CRI; 4000K 850= 80CRI; 5000K	[Blank]= Hardwire 06W= 6' Whip, White Power Cord Assembly 06B= 6' Whip, Black Power Cord Assembly 11W= 11' Whip, White Power Cord Assembly 11B= 11' Whip, Black Power Cord Assembly	[Blank]= No Option BBXX= Battery Back Up ^{2,5,6,8} TS= 10 kA Surge Protection	[Blank]= No Option WIHA= Includes Connector Raceway Bracket, Wire Harness and End Caps ⁵	[Blank]= Bulk Pack -SP= Single Pack
	8= 8 ft.	8 ft. E1= 3,500lm F1= 6,500lm G1= 9,000lm H1= 14,000lm NOTE: All 8' models are available with FRL lens option only								

Accessories (Field Installed)

Non-Dimming Sensor Option			
OSFLA-ITW	White End Mounted PIR ON/OFF Sensor, 120/230/277v, Includes 360° High Bay and Low Bay Lens		
Dimming Sensor Options			
To order Dimming sensor, select one option from each column below and combine part numbers (Example: FSP-221B-D-L2-W)			
Pole or Box Mount Sensor Voltage	Nipple Configuration	Lens Option	Color
FSP-221B , 100-347v, 480v Sensor	-D= Drop Nipple	-L2= 360° Lens, Max Coverage 48' Diameter from 8' Height	-W= White
		-L3= 360° Lens, Max Coverage 40' Diameter from 20' Height	
		-L7= 360° Lens, Max Coverage 100' Diameter from 40' Height	
Sensor Configuration Tool (Ordered Separately)			
FSIR-100	Hand-Held Sensor Configuration Tool Required for Adjusting Default Factory Settings, Including Hi/Low/Off Modes and Sensitivity/Time Delay/Cut Off (For Use with FSP-221B)		
Suspended Mounting Option			
HW-FC009	Hanging Cable Set: Adjustable 120", Loop, Narrow Fixture Y-Fit with [2] Toggles		
Wireguard Option ⁷			
LED-MPHL-WG01-KIT	4' Fixture Wireguard, Bulk Pack		
LED-MPHL-WG01-KIT-SP	4' Fixture Wireguard, Single Pack		
Tandem Kit Options			
MPXL-TANDEM-001-HDWR-KIT	HARDWARE KIT: For Lensed MPHL Tandem Fixtures, Kit Includes: [1] Tandem Plate, [1] Modified Tall End Cap, and Screws		
MPXL-TANDEM-002-HDWR-KIT	HARDWARE KIT: For No Lens or Baffle MPHL Tandem Fixtures, Kit Includes: [1] Tandem Plate, and Screws [4' fixtures only]		

Accessories (Field Installed)



Wireguard
[LED-MPHL-WG01-KIT-SP]⁷



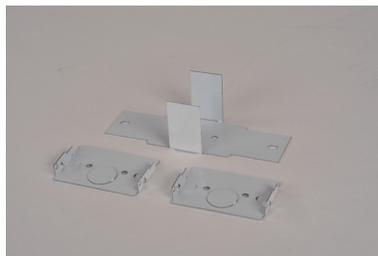
Non-Dimming Sensor
[OSFLA-ITW]



Sensor Configuration Tool
[FSIR-100]



Dimming Sensor
[FSP-221B-D]



Continuous Run Option: [WIHA]
[Includes Connector Raceway Bracket, Wire Harness
(Installed in factory-not shown), End Caps]

Fixture Options [Factory Installed]



**Battery Back Up
(BBXX)**



**Baffle Lens Option - 4' Fixtures Only
(BFL)**



**Contour Lens Option
(FRL)**

Additional Specification Information

¹ For actual lumens, see performance table

² "XX" is a character placeholder for the manufacturing configuration

³ Actual performance may vary by up to ±10% of values listed; facility factors and fixture options can affect performance values

⁴ Weight will vary based on option selection

⁵ In continuous run applications, battery back up needs separate customer-provided electrical connection that is not provided in the wire harness (WIHA) option

⁶ Fixture with Battery Back Up cannot be installed in an environment where the ambient temperature falls below 32°F

⁷ All wireguards are shipped in 4' increments. For 8' fixtures, two 4' wireguards are required

⁸ Multiply 10 watts by the lumens per watt (LPW) of the fixture to calculate lumen output in emergency mode