

## MPAL1

### Applications

The APOLLO MPAL1 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: MPAL1A1UNVFDXXFRL850

### 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] driver 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 APOLLO class LED fixtures are covered by a five-year limited warranty. Accessories and individual components are covered by separate OEM supplier warranties.



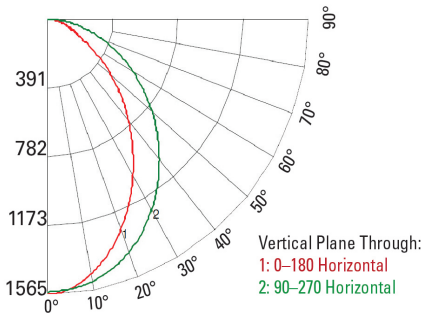
### Performance Information, Frosted Lens<sup>3, 8</sup>

Series	Nominal Lumen Code	Actual Lumens	Input Voltage	Wattage	LPW	CCT	CRI	Input Current	Power Factor
<b>4' Increment</b>									
MPAL1	A1	1,738lm	120v	13w	138	5000K	≥80	0.10A	>.90
MPAL1	B1	2,986lm	120v	21w	141	5000K	≥80	0.18A	>.90
MPAL1	C1	4,488lm	120v	32w	139	5000K	≥80	0.27A	>.90
MPAL1	D1	6,366lm	120v	50w	128	5000K	≥80	0.41A	>.90
<b>8' Increment</b>									
MPAL1	E1	3,597lm	120v	23w	157	5000K	≥80	0.19A	>.90
MPAL1	F1	6,181lm	120v	38w	161	5000K	≥80	0.32A	>.90
MPAL1	G1	9,290lm	120v	59w	158	5000K	≥80	0.49A	>.90
MPAL1	H1	13,717lm	120v	90w	146	5000K	≥80	0.75A	>.90

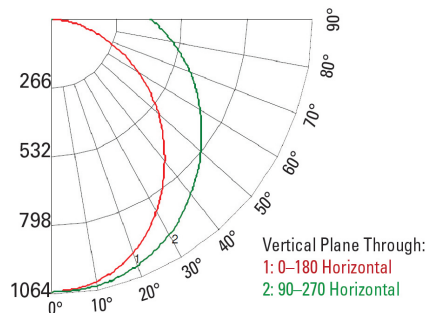
### Photometrics

Visit [orionlighting.com](http://orionlighting.com) to obtain all .IES files

#### C1 BFL 840



#### C1 FRL 840



### Ambient Operating Temperatures<sup>6</sup>

Nominal Lumen Code	Standard Range
A1/C1/E1/G1	-20°C - 50°C [-4°F - 122°F]
B1/F1	-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 <sup>4</sup>
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 Option	CRI; Color Temp	Power Connection	Fixture Options	Continuous Run Options	Packaging Options
MPAL1	4	A1	UNV	FDXX	FRL	850	[Blank]	BBXX	WIHA	-SP

### Ordering Information

Series	Fixture Size	Nominal Lumen Code <sup>1</sup>	Voltage	Driver Type <sup>2</sup>	Lens Options	CRI; Color Temp	Power Connection	Fixture Options	Continuous Run Options	Packaging Options
<b>MPAL1=</b> APOLLO LED Multipurpose Linear, Gen 1	<b>4=</b> 4 ft.	<b>4 ft.</b> <b>A1=</b> 1,500lm <b>B1=</b> 3,000lm <b>C1=</b> 4,500lm <b>D1=</b> 6,500lm	<b>UNV=</b> 120v-277v	<b>FDXX=</b> Full Dimming 0-10v	<b>NOL=</b> No Lens <b>FRL=</b> Contour Frosted <b>BFL=</b> Baffle Steel Louver	<b>840=</b> 80CRI; 4000K <b>850=</b> 80CRI; 5000K	<b>[Blank]=</b> Hardwire <b>06W=</b> 6' Whip, White Power Cord Assembly <b>06B=</b> 6' Whip, Black Power Cord Assembly <b>11W=</b> 11' Whip, White Power Cord Assembly <b>11B=</b> 11' Whip, Black Power Cord Assembly	<b>[Blank]=</b> No Options <b>BBXX=</b> Battery Back Up <sup>2,5,6,8</sup> <b>TS=</b> 10 kA Surge Protection	<b>[Blank]=</b> No Option <b>WIHA=</b> Includes Connector Raceway Bracket, Wire Harness and End Caps <sup>5</sup>	<b>[Blank]=</b> Bulk Pack <b>-SP=</b> Single Pack
	<b>8=</b> 8 ft.	<b>8 ft.</b> <b>E1=</b> 3,500lm <b>F1=</b> 6,500lm <b>G1=</b> 9,000lm <b>H1=</b> 14,000lm  <b>NOTE:</b> All 8' models are available with FRL lens option only								

### Accessories (Field Installed)

Non-Dimming Sensor Option			
<a href="#">OSFLA-ITW</a>	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
<a href="#">FSP-221B</a> , 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)			
<a href="#">FSIR-100</a>	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			
<a href="#">HW-FC009</a>	Hanging Cable Set: Adjustable 120", Loop, Narrow Fixture Y-Fit with [2] Toggles		
Wireguard Option <sup>7</sup>			
<a href="#">LED-MPAL-WG01-KIT</a>	4' Fixture Wireguard, Bulk Pack		
<a href="#">LED-MPAL-WG01-KIT-SP</a>	4' Fixture Wireguard, Single Pack		
Tandem Kit Options			
<a href="#">MPXL-TANDEM-001-HDWR-KIT</a>	HARDWARE KIT: For <b>Lensed</b> MPAL Tandem Fixtures, Kit Includes: [1] Tandem Plate, [1] Modified Tall End Cap, and Screws		
<a href="#">MPXL-TANDEM-002-HDWR-KIT</a>	HARDWARE KIT: For <b>No Lens</b> or <b>Baffle</b> MPAL Tandem Fixtures, Kit Includes: [1] Tandem Plate, and Screws [4' fixtures only]		

### Accessories (Field Installed)



**Wireguard**  
(LED-MPAL-WG01-KIT-SP)<sup>7</sup>



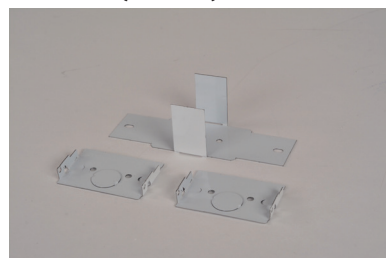
**Non-Dimming Sensor**  
(OSFLA-ITW)



**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

<sup>1</sup> For actual lumens, see performance table

<sup>2</sup> "XX" is a character placeholder for the manufacturing configuration

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

<sup>4</sup> Weight will vary based on option selection

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

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

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

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