

Luxo **ARCH**

LWPF | Sentinel

ECO

Product Data Sheet



COMMERCIAL-GRADE

Traditional LED Wall Pack



WATTselect



CCTselect



Multi-Functional OCC

20W — 120W

Product Overview

INTENDED USE — Replacing metal halide fixtures with Sentinel-series LED traditional wall pack increases energy efficiency and lowers maintenance costs. Rugged die-cast aluminum housing is powder coated, while durable glass lens is UV-stabilized to withstand conditions of outdoor industrial or commercial locations.

The Sentinel is ideal for outdoor applications such as carports, loading areas, self storage and parking areas.

CONSTRUCTION — The durable cast-aluminum housing is finished with bronze polyester powder paint for long-lasting quality. The side-hinged door allows for easy installation and maintenance. Castings are sealed with a one-piece gasket to keep out external contaminants. This product is suitable for outdoor use, rated for installations with a minimum ambient temperature of -40°F.

OPTICS — The advanced optical design combines reflector and refractor technologies to improve illumination and extend throw distance, effectively directing light to specific areas. Crafted from high-grade polycarbonate, the refractor is carefully engineered to optimize light extraction, creating a radiant luminaire that enhances nighttime aesthetics. The UV-stabilized polycarbonate lens provides vandal resistance and improved light dispersion for better visibility.

ELECTRICAL — The light engine comprises long-lasting, energy-efficient LEDs mounted on an internal aluminum heat sink. This setup improves heat dissipation and extends the product's lifespan. These LEDs maintain 90% of their light output even after 50,000 hours of continuous operation.

ARCHIPELAGO luminaires and LED components undergo rigorous testing by an independent laboratory to meet IESNA LM-79 and LM-80 standards for light output and lumen maintenance. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Applications



Perimeter



Pathways



Entryways



Security

Main Features

- Weather Resistant, Sealed Die-Cast Aluminum
- Two-Piece Die-Cast Aluminum Housing Secures the Thermally Conductive LED Board and Electronics
- Suitable for Extreme Applications Requiring 3G Testing Prescribed by ANSI C136.31
- Onboard Photocell Control Allows for Security and Optimized Efficiency
- Built-In Knock Outs Support Optional Vertical Mount
- Thermally Isolated Driver Design and Mounts Directly to Wall Surface or J-Box
- Built-In Sensor for Optimum Efficiency
- Optional Built-In Battery Backup
- Replaces Up to 400W MH

Product Warranty*



5-Year Warranty



50,000 Hrs

* Standard warranty. Extended warranty available.

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Project Details

Project Name:

Fixture Schedule:

Project Number:

Notes:

Highlights

Key Specifications

Features	Description
3-WATTselect	 Wattage selectable: 3-way dip-switch
3-CCTselect	 CCT selectable: 3-way dip-switch
Built-In Photocell	 Toggle between ON/OFF to activate the built-in photocell
High Performance	 Up to 120W, replacing up to 400W MH
Standard Extended Warranty	 Up to 5-Year, 50,000 Hrs

- **Dimming** 0-10V, Built-In Photocell w/ ON/OFF Switch
- **Housing:** Single Die-Cast Aluminum Body with Die-Cast Hinge Driver Access for Easy Installation
- **IP:** UL Wet Location Listed
- **Power Factor (PF):** >0.9 Non-Flicker
- **Operating Temperature):** -40°F – 113°F
- **Input Voltage:** 120-277Vac
- **Efficacy:** ≤130m/W
- **Total Harmonic Distortion (THD):** <20%
- **Color Rendering Index (CRI):** >80

Certifications



Model Specifications

Model	WATTselect (W) ¹	Lumen (lm)	Efficacy (lm/W) ²	CCTselect (K)	Voltage (V)	CRI
LWPF3W40-3S1	20W	2,600lm	130lm/W	3000K 4000K 5000K	120-277V	>80
	30W	3,900lm	130lm/W			
	40W	5,200lm	130lm/W			
LWPF3W80-3S1	40W	5,200lm	130lm/W			
	60W	7,800lm	130lm/W			
	80W	10,400lm	130lm/W			
LWPF3W120-3S1	80W	10,400lm	130lm/W			
	100W	13,000lm	130lm/W			
	120W	15,600lm	130lm/W			

1. Default settings on WATTselect and CCTselect is max wattage and highest CCT.
 2. Measured at 5000K.

Rugged Die-Cast Aluminum Housing
 Low profile, rugged one-piece die-cast aluminum body with die-cast hinged driver provides access for easy installation

Built-In Photocell
 Onboard Photocell Control Allows for Security and Optimized Efficiency

Protection Level: Wet Locations
 The wall pack is sealed by silicone ring that can avoid dust completely and be waterproof, also the internal level ensures that the installation is horizontal.

Silicone Ring



Level



WATTselect + CCTselect
 The ultimate in utility & versatility. Each Watchtower is capable of switching wattage and CCT through an onboard dip-switch.

Ordering Guide¹

Model Series	WATTselect (W)	CCTselect (K)	Series	Voltage (V)	Finish ²	Photocell	Sensor Ready
LWPF Traditional LED Wall Pack	3W40 40W Max 3W80 80W Max 3W120 120W Max	- 3 3-CCTselect: 3000K 4000K 5000K	S1 Sentinel	- U 120-277V	D Dark Bronze B Black W White # Custom RAL#	/ PS Button Photocell	/ SR Sensor Ready Port
CATALOG #:							
LWPC		- 3	S1	- U		/ PS	/

Options Guide³

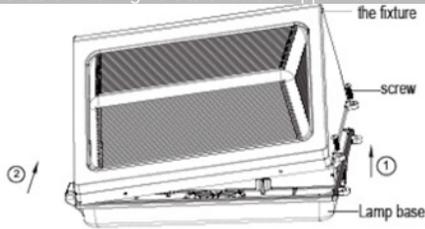
Dark Sky Shield	EM Driver	Motion Sensor	Surge Protection (In-Line) ⁴	Wire Guard
<input type="checkbox"/> DSS Dark Sky Shield	/ <input type="checkbox"/> EM20 20W EM Driver	/ <input type="checkbox"/> MSM Microwave Bi-Level <input type="checkbox"/> MSP PIR Bi-Level	/ <input type="checkbox"/> SP10U 10KV _a / 277V <input type="checkbox"/> SP20U 20KV _a / 277V	/ <input type="checkbox"/> WG Wire Guard
OPTIONAL ACCESSORIES #:				
/	/	/	/	/

NOTE:

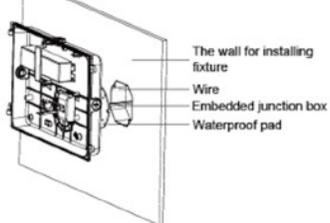
1. Only one selection may be applicable within the same category.
2. Standard finish is Dark Bronze. Service fees applicable for different finishing.
3. Multiple selections may be applicable within the same option category. See Compatible Accessories below for details.
4. Standard driver on-board SPD = 6KV_a

Installation Guide¹

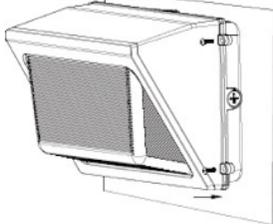
Unscrew locking nuts and remove upper half of fixture



Connect L/N/G + 0-10V into terminal box



Lock up the fixture w/ screws

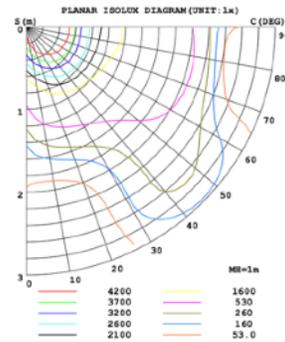
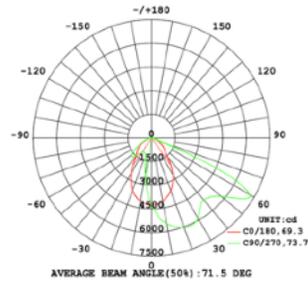


NOTE:
1. For detailed installation guide, please reference LWPF-Sentinel-InstallationGuide

Photometrics

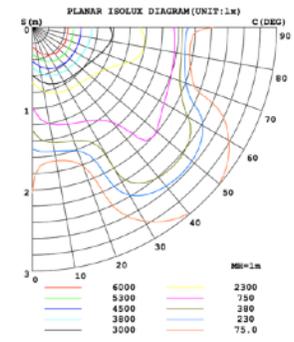
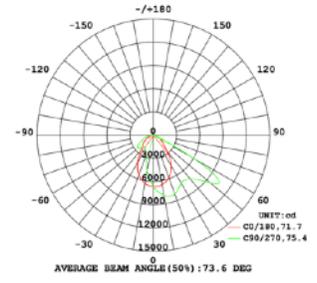
80W Max

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



120W Max

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



DLC Model Guide

Product ID	Model No.	DLC	Controls	Lumen	Efficacy	CCT	THD	PF
S-5NWK0T	LWPF3W40-3S1-UD/PS	Premium	Yes	5,600lm	130lm/W	3500K 4000K 5000K	20%	0.9
S-7GGG8B	LWPF3W80-3S1-UD/PS	Premium	Yes	11,200lm	130lm/W	3500K 4000K 5000K	20%	0.9
A-S-1JQ6VX	LWPF3W120-3S1-UD/PS	Premium	Yes	16,800lm	130lm/W	3500K 4000K 5000K	20%	0.9

Sizing & Measurements

Model Series	Width (in)	Height (in)	Depth (in)	Weight (lb)	Carton Qty	Measurements
LWPF3W40-3S1	14.21	7.31	9.27	8.29	1	
LWPF3W80-3S1	14.21	7.31	9.27	9.04	1	
LWPF3W120-3S1	14.21	7.31	9.27	9.96	1	

Compatible Accessories

Category	Ordering Code	Model No.	Description	Sub-Assembly & Compatible Controllers		
				Ordering Code	Model No.	Description
Dark Sky Shield	 DSS	LWPF-G1/DSS	Dark Sky Shield			
EM Driver	 EM20	EM20-CMB/260DC	20W 260Vdc Output			
Motion Sensor	 BLS	MSM-HTO/07P3/BLS	PIR Bi-Level Sensor	 RM	RM-HT/06S	H-Series w/ LCD Display
	 NLC	MSP-SRO/903P3/NLC	Silvair BTLE NLC PIR blueARCH™ Controls Technology by SILVAIR	 DCT DDI	CSR-DCT/2421 CSR-DDI/2421	SIG Mesh to DALi
				 SWV SVWT	RSR-SVV/2421 RSR-SVWT/2421	Networked Relay Device
Surge Protection	 SP10U SP10H SP20U SP20H	10SP/277 10SP/480 20SP/277 20SP/480	In-Line SPD 10kVa 277V In-Line SPD 10kVa 480V In-Line SPD 20kVa 277V In-Line SPD 20kVa 480V			
Wire Guard	 WG	LWPF-G1/WG	Wire Guard			