Chile | Perú | Argentina | Brasil | España | EE.UU

KOLFF®

energy.quality

LUMINARIA · CERTIFICADO DS1
CUMPLE DS1 NORMA 2022
DS1-04512-24

FICHA TÉCNICA

Wallmaster™ LED Series Luminaires

NEC/CEC: Class I, Division 2 · Class II, Division 1 · IP66 · Type 4X · IK10

APPLETON™

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Applications

- Enclosed and gasketed fixtures suitable for use in a wide range of industrial, chemical processing and other areas where flammable gases and vapors are present, for example:
  - — Oil and Gas Refineries
  - — Petrochemical Plants
  - — Foundries
  - — Drilling Rigs
  - — Pulp and Paper Mills
  - — Food and Beverage Processing Facilities
  - — Loading Docks
  - — Power Plants
  - — Water and Wastewater Treatment Facilities
  - — Hydrogen and Biofuels plants
  - — LNG (Liquid Natural Gas) plants
  - — Other areas where corrosive, wet, dirty and tough environments are a problem
- Wall mount applications of 7.62 meters (25 feet) or less, above doors, along exteriors of buildings, or wherever else an illumination source needs to be mounted to a vertical surface.
- Applications requiring DarkSky Approved lighting (see Catalog Ordering Logic for details). ①
- IP66, Type 4X, marine and wet locations.
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments.
  - — -40 °C to +65 °C (-40 °F to +149 °F) ambient temperature range for 3,500 to 7,500 nominal lumen output configurations (WM3, WM5, WM7 series - Standard Model).
  - — -40 °C to +50 °C (-40 °F to +122 °F) ambient temperature range for 9,500 to 12,000 nominal lumen output configurations (WM9 and WM12 series).
- Applicable certification labels for NEC and CEC environments. See Certifications and Compliances for details.

Features

- Five lumen outputs provide up to 12,000 lumens.

Nominal Lumens ②	HID Equivalent	Model Number
3,500	70W	WM3
5,500	100W	WM5
7,500	150W – 175W	WM7
9,500	250W	WM9
12,000	400W	WM12

- Type III, Medium optical pattern provides optimal side-to-side and forward light distribution.
- Two-piece hinged clamshell housing, with removable front housing, allows for easy mounting and field wiring.
- Accessible screw terminal block accepts 0.14 - 6 mm² (26 - 10 AWG) wire.
- Five 3/4 inch NPT entries provided with four close-up plugs. Two entries on the left side, two entries on the right side and one rear entry.
- Choice of color temperature (CCT): 5000K (80 CRI) cool white, 4000K (80 CRI) neutral white, 3000K (80 CRI) warm white, 2200K (80 CRI), 1800K (70 CRI), or Amber (55 CRI).



- L70 Ratings:

+25 °C (+77 °F) Ambient Temperature	Reported	> 102,000 hours
	Calculated	> 200,000 hours
+65 °C (+149 °F) Ambient Temperature	Reported	> 102,000 hours
	Calculated	> 200,000 hours

- One external stainless steel mounting bracket on each side of the luminaire.
- Rugged and compact housing with superior thermal design translates to long luminaire life.
- Heavy duty, high temperature silicone rubber gaskets.
- 0-10 Vdc Dimming standard for all configurations.
- Thermal shock and impact resistant clear polycarbonate lens.
- Standard 6 kV/3 kA surge protection. Optional 10 kV/5 kA additional surge protection available.
- Captive fasteners on front housing.
- Field replaceable LED driver and front housing lens assembly.
- Photometric data and electronic drawings available upon request.

Warranty

- 10 year standard warranty.

Emergency Battery Backup Model

- Provides up to 1450 lumens of illumination for 90 minutes or 800 lumens of illumination for 180 minutes of emergency lighting.
- Functional diagnostic test self-initiates every 14 days after initial startup.
- Duration test is automatically performed once per year.
- Green and Red LED lamps indicate charging status and provide fault warning.
- Simple quick disconnect connector disconnects power between LEDs and battery management module to allow for easy maintenance in hazardous locations.
- Ambient Temperature: -20 °C to +50 °C (-4 °F to +122 °F)
- Field replaceable emergency module (BMM and battery pack), battery pack and LED driver.

① Dark sky approved with 3000K CCT or warmer.
② Nominal lumen value for 5000K CCT. Refer to Lumen Output Table for details.

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Controls

- Dimming:
  - — Luminaire has a two-wire, 0-10 Vdc variable dimming input port for controlling the light output.
  - — 10% to 100% of the rated lumen output.
  - — 24-48 Vdc models: from 0 to 100% of the rated lumen output.
- Group Lighting Controls:
  - — Simplify installation of energy saving lighting controls.
  - — Control up to 10 luminaires over a distance of 60 meters (200 ft) with Areamaster or Mercmaster Connect LED integrated dimming controller.
  - — Daisy chain the luminaires on the same circuit breaker by wiring the 0-10V dimming leads to the Connected luminaire. Enable the Areamaster or Mercmaster Connect's advanced capabilities to extend daylight harvesting (adjustable output), motion sensing (up to 12 meters [40 ft]) and scheduling features (up to 4 time periods per day) with the group of lights.
  - — Optionally commission and monitor the group of lights remotely via our Plantweb Insight™ Connected Lighting App.

Options

- Safety cables
- 10 kV/5 kA Surge Protection

Standard Materials

- Housing and Light Guard: copperfree (4/10 of 1% max.) aluminum
- Lens: thermal shock and impact resistant polycarbonate
- Brackets: stainless steel
- Gaskets: silicone rubber
- Bolts: stainless steel
- Close up plugs: (4) aluminum provided
- Safety cable: stainless steel

Standard Finishes

- Driver housing and Light Guard: gray epoxy powder coat finish, electrostatically applied for complete uniform protection.

NEC/CEC Certifications and Compliances

- All Models:
  - — UL Standards: UL 50E; UL 844; UL 1598; UL 1598A; UL 8750
  - — CSA Standards: C22.2 No. 94.2; C22.2 No. 250.0-.08; C22.2 No. 137; C22.2 No. 250.13
  - — cCSAus Certificate: 80183457
- Emergency Battery Backup Model:
  - — UL Standards: UL 924
  - — CSA Standards: C22.2 No. 141
- Notable Ratings:
  - — Vibration Rating: 5G for 1.5 hours
  - — Impact Resistance (shock): IK10

ABS Certifications

- Standard Model: *Pending*
- Emergency Battery Backup Model: *Pending*

International Dark-Sky Association - *Pending* ①

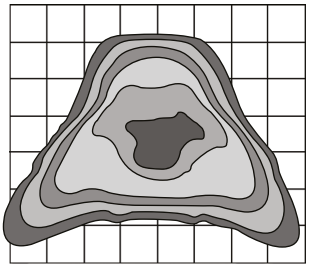
- 3000K, 2200K, 1800K and Amber Color Temperatures

DesignLights™ Consortium

- Check DLC QPL for current list of products.

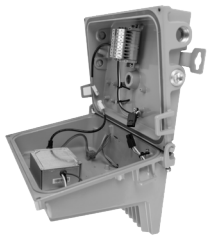
① *Dark sky approved with 3000K CCT or warmer.*

Illustrated Features — All Models

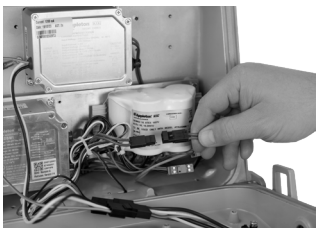


Type III, Medium Light Distribution Pattern:
Maximized side to side light spread and uniform forward throw. At a 10 foot mounting height, a 7,500 lumen fixture provides safe illumination above doors and along the exterior of buildings, measuring 80 feet side to side and 40 feet away from the mounting surface, delivering 10 footcandles directly below the fixture and 0.5 footcandles at the outer edges.

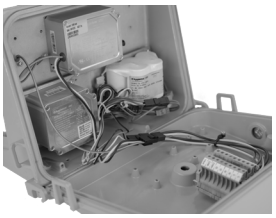
Robust Design



Two-Piece Hinged Clamshell Design:
Removeable front housing allows for labor saving installation. Mount and wire the back housing first.



Quick Disconnects:
Ensures secure, time saving, electrical connections.



Emergency Battery Backup:
Provides safe lighting levels during power loss. Order configured directly from Appleton.



Optional Photocontrol Kit:
Reduce power consumption during daylight hours. Field installable. (See Accessories and Replacement Parts section for details).

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

---

Order Using Catalog Numbering Guide — Wallmaster™ LED Series Luminaires — Standard and Emergency Battery Backup Models

WM	3	2	C	P	F	BU	G	S	H
Series Prefix: WM: Wallmaster LED	Lumen Level: ① 3 - 3,500 5 - 5,500 7 - 7,500 9 - 9,500 ② 12 - 12,000 ②	Hub Size: 2 - 3/4" NPT Threaded Entry F -Front Housing Lens Assembly Replacement (No Hubs - No Rear/Back Housing)	Color Temperature: C - 5000K N - 4000K W - 3000K H - 2200K S - 1800K A - Amber	Lens Material: P - Clear Polycarbonate	Light Distribution Pattern: F - Forward Throw	Voltage: BU - 120-277 Vac, 50/60 Hz BH - 347-480 Vac, 50/60 Hz ③ B2 - 24-48 Vdc ④	Color: G - Appleton Gray (Standard)	Surge Protection Options: Blank - 6 kV Standard ⑤ S - 10 kV Surge Protection ⑥	Emergency Options: ⑦ Blank - No Emergency Option H - 90 Minutes Run Time E - 180 Minutes Run Time

① All lumen values are typical (tolerance +/- 10%).
② 9,500 and 12,000 Lumen Level options not available with B2 Voltage option or Emergency option.
③ BH Voltage option not available with Emergency options.
④ B2 Voltage option available with Lumen Level options 3, 5 and 7 only. B2 Voltage option not available with 10 kV Surge Protection or Emergency Options. B2 Voltage option has 1 kV Surge Protection.
⑤ 6 kV Surge Protection applicable for BU and BH Voltage options only. B2 Voltage option offers 1 kV Surge Protection.
⑥ 10 kV Surge Protection option not available with Emergency options.
⑦ Emergency options available with Lumen Level options 3, 5, 7, and BU Voltage option only. Emergency options not available with BH or B2 Voltage options or 10 kV Surge Protection option.

Wallmaster™ LED Series Luminaires

Wall Pack
Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Order Using Catalog Numbering Guide - Wallmaster™ LED Series Luminaire - DarkSky Approved Models

WM — Series Prefix:
WM: Wallmaster LED

3 — Lumen Level: ①
3 - 3,500
5 - 5,500
7 - 7,500
9 - 9,500 ②
12 - 12,000 ②

2 — Hub Size:
2 - 3/4" NPT Threaded Entry
F - Front Housing Lens Assembly Replacement (No Hubs - No Rear/Back Housing)

C — Color Temperature: ③
W - 3000K
H - 2200K
S - 1800K
A - Amber

P — Lens Material:
P - Clear Polycarbonate

F — Light Distribution Pattern:
F - Forward Throw

BU — Voltage:
BU - 120-277 Vac, 50/60 Hz
BH - 347-480 Vac, 50/60 Hz ④
B2 - 24-48 Vdc ⑤

G — Color:
G - Appleton Gray (Standard)

S — Surge Protection Options:
Blank - 6 kV Standard ⑥
S - 10 kV Surge Protection ⑦

H — Emergency Options: ⑧
Blank - No Emergency Option
H - 90 Minutes Run Time
E - 180 Minutes Run Time

① *All lumen values are typical (tolerance +/- 10%).*
② *9,500 and 12,000 Lumen Level options not available with B2 Voltage option or Emergency option.*
③ *Dark sky approved with 3000K CCT or warmer.*
④ *BH Voltage option not available with Emergency options.*
⑤ *B2 Voltage option available with Lumen Level options 3, 5 and 7 only. B2 Voltage option not available with 10 kV Surge Protection or Emergency Options. B2 Voltage option has 1 kV Surge Protection.*
⑥ *6 kV Surge Protection applicable for BU and BH Voltage options only. B2 Voltage option offers 1 kV Surge Protection.*
⑦ *10 kV Surge Protection option not available with Emergency options.*
⑧ *Emergency options available with Lumen Level options 3, 5, 7, and BU Voltage option only. Emergency options not available with BH or B2 Voltage options or 10 kV Surge Protection option.*

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Lumen Output (Efficacy) - Standard Model - Amber, 1800K, 2200K, 3000K, 4000K, 5000K

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)
Clear Polycarbonate Lens														
WM3	70W	Type III, Medium	Amber	55	2,650	84	1800K	70	2,950	93	2200K	80	3,250	105
WM5	100W	Type III, Medium	Amber	55	3,200	84	1800K	70	3,600	92	2200K	80	3,900	104
WM7	150W – 175W	Type III, Medium	Amber	55	4,400	83	1800K	70	4,900	91	2200K	80	5,350	102
WM9	250W	Type III, Medium	Amber	55	5,300	78	1800K	70	5,950	86	2200K	80	6,900	102
WM12	400W	Type III, Medium	Amber	55	6,400	71	1800K	70	7,350	81	2200K	80	8,550	94
WM3	70W	Type III, Medium	3000K	80	4,050	129	4000K	80	4,300	137	5000K	80	4,300	138
WM5	100W	Type III, Medium	3000K	80	4,850	129	4000K	80	5,150	137	5000K	80	5,200	138
WM7	150W – 175W	Type III, Medium	3000K	80	6,700	127	4000K	80	7,100	135	5000K	80	7,150	135
WM9	250W	Type III, Medium	3000K	80	8,100	120	4000K	80	8,900	132	5000K	80	8,950	132
WM12	400W	Type III, Medium	3000K	80	10,100	111	4000K	80	11,100	122	5000K	80	11,200	121

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Lumen Output (Efficacy) - Emergency Battery Backup Model - Amber, 1800K, 2200K, 3000K, 4000K, 5000K

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)	CCT	CCT	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)
Clear Polycarbonate Lens - Standard Mode														
WM3	70W	Type III, Medium	Amber	55	2,700	73	1800K	70	2,950	80	2200K	80	3,250	91
WM5	100W	Type III, Medium	Amber	55	3,200	74	1800K	70	3,600	82	2200K	80	3,900	92
WM7	150W – 175W	Type III, Medium	Amber	55	4,400	76	1800K	70	4,900	83	2200K	80	5,350	94
WM3	70W	Type III, Medium	3000K	80	4,050	111	4000K	80	4,300	118	5000K	80	4,300	120
WM5	100W	Type III, Medium	3000K	80	4,850	114	4000K	80	5,150	121	5000K	80	5,200	122
WM7	150W – 175W	Type III, Medium	3000K	80	6,700	116	4000K	80	7,050	123	5000K	80	7,100	123
Clear Polycarbonate Lens - 90 Minute Emergency Mode														
WM3	70W	Type III, Medium	Amber	55	900	113	1800K	70	1,000	128	2200K	80	1,150	149
WM5	100W	Type III, Medium	Amber	55	900	113	1800K	70	1,000	128	2200K	80	1,150	149
WM7	150W – 175W	Type III, Medium	Amber	55	900	113	1800K	70	1,000	128	2200K	80	1,150	149
WM3	70W	Type III, Medium	3000K	80	1,300	17	4000K	80	1,400	180	5000K	80	1,400	180
WM5	100W	Type III, Medium	3000K	80	1,300	17	4000K	80	1,400	180	5000K	80	1,400	180
WM7	150W – 175W	Type III, Medium	3000K	80	1,300	17	4000K	80	1,400	180	5000K	80	1,400	180
Clear Polycarbonate Lens - 180 Minute Emergency Mode														
WM3	70W	Type III, Medium	Amber	55	550	115	1800K	70	600	130	2200K	80	700	156
WM5	100W	Type III, Medium	Amber	55	550	115	1800K	70	600	130	2200K	80	700	156
WM7	150W – 175W	Type III, Medium	Amber	55	550	115	1800K	70	600	130	2200K	80	700	156
WM3	70W	Type III, Medium	3000K	80	800	170	4000K	80	850	182	5000K	80	850	181
WM5	100W	Type III, Medium	3000K	80	800	170	4000K	80	850	182	5000K	80	850	181
WM7	150W – 175W	Type III, Medium	3000K	80	800	170	4000K	80	850	182	5000K	80	850	181

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Backlight, Uplight, and Glare (BUG) Ratings - Standard Model - Amber, 1800K, 2200K, 3000K, 4000K, 5000K

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	BUG Rating	CCT	BUG Rating	CCT	BUG Rating
Clear Polycarbonate Lens								
WM3	70W	Type III, Medium	Amber	B1-U1-G1	1800K	B1-U1-G1	2200K	B1-U1-G1
WM5	100W	Type III, Medium	Amber	B1-U2-G1	1800K	B1-U2-G1	2200K	B1-U1-G1
WM7	150W – 175W	Type III, Medium	Amber	B1-U2-G1	1800K	B1-U2-G1	2200K	B1-U2-G1
WM9	250W	Type III, Medium	Amber	B1-U2-G1	1800K	B2-U2-G1	2200K	B2-U2-G2
WM12	400W	Type III, Medium	Amber	B2-U2-G2	1800K	B2-U2-G2	2200K	B2-U2-G2
WM3	70W	Type III, Medium	3000K	B1-U1-G1	4000K	B1-U2-G1	5000K	B1-U2-G1
WM5	100W	Type III, Medium	3000K	B1-U2-G1	4000K	B1-U2-G1	5000K	B1-U2-G1
WM7	150W – 175W	Type III, Medium	3000K	B2-U2-G2	4000K	B2-U2-G2	5000K	B2-U2-G2
WM9	250W	Type III, Medium	3000K	B2-U2-G2	4000K	B2-U2-G2	5000K	B2-U2-G2
WM12	400W	Type III, Medium	3000K	B2-U2-G2	4000K	B2-U2-G2	5000K	B2-U2-G2

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Electrical Specifications - Standard Model

Model	Voltage	Input Power (Watts)	Input Current (Amps)	Power Factor (PF)	Total Harmonic Distortion (THD)
WM3	24 Vdc	27.8	1.16	N/A	N/A
	48 Vdc	27.5	0.57		
	120 Vac	31.7	0.26	>0.9	<20%
	277 Vac	31.2	0.12		
	347 Vac	33.6	0.10	>0.9	<20%
	480 Vac	34.0	0.07		
WM5	24 Vdc	34.4	1.44	N/A	N/A
	48 Vdc	33.7	0.70		
	120 Vac	38.4	0.32	>0.9	<20%
	277 Vac	37.6	0.15		
	347 Vac	39.9	0.12	>0.9	<20%
	480 Vac	40.1	0.09		
WM7	24 Vdc	50.3	2.13	N/A	N/A
	48 Vdc	48.0	1.00		
	120 Vac	54.0	0.45	>0.9	<20%
	277 Vac	52.7	0.20		
	347 Vac	54.4	0.16	>0.9	<20%
	480 Vac	54.4	0.12		
WM9	120 Vac	70.1	0.59	>0.9	<20%
	277 Vac	67.9	0.26		
	347 Vac	69.4	0.20	>0.9	<20%
	480 Vac	69.6	0.15		
WM12	120 Vac	91.9	0.77	>0.9	<20%
	277 Vac	88.8	0.33		
	347 Vac	89.8	0.26	>0.9	<20%
	480 Vac	89.8	0.19		

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

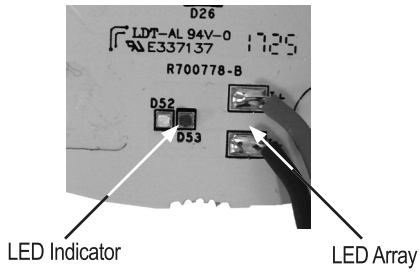
NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Electrical Specifications - Emergency Battery Backup Model

Model	Voltage	Input Power (Watts)	Input Current (Amps)	Power Factor (PF)	Total Harmonic Distortion (THD)
WM3	120 Vac	36.2	0.31	>0.9	<20%
	277 Vac	36.6	0.16		
WM5	120 Vac	43.1	0.36	>0.9	
	277 Vac	43.1	0.18		
WM7	120 Vac	58.8	0.49	>0.9	
	277 Vac	58.4	0.23		

Automatic Testing System (ATS) — Emergency Battery Backup Model — Functionality

Functional	Full Duration
Starts within 24 to 45 hours after the initial powerup of the module	Starts within 5 to 26 days after the initial power of the module
Occurs every 14 days after the initial aforementioned functional test	Occurs every 364 days after the initial aforementioned functional test
Lasts for 30 seconds	Lasts for the full duration of the rated emergency period
At the completion of functional and full duration tests, LED indicator will display the status of the emergency luminaire when AC is present	



LED Signals

Indicator Color	Timing	Description
Green	1 sec ON: 1 sec OFF	Normal charging ok, Battery not yet fully charged, No fault detected, Testing ok
Green	0.25 sec ON: 0.25 sec OFF	Functional / Duration Self-Test on-going
Green	Steady ON	Charging ok, Battery fully charged, No fault detected, Testing ok
Red	1 sec ON: 1 sec OFF	Fault condition. Installation issue. Battery is reverse, not connected or shorted. Functional test failure, full duration test failure
LED Indicators OFF, LED Array ON	LED Indicator Lights (Red and Green) OFF	No AC, Emergency mode ON

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

NEC/CEC Temperature Codes — Standard Model

			Gas		Dust		
Model	**Max Driver Current (mA)**	**Max Ambient C° (F°)**	**Class I, Division 2 Groups A, B, C, D**	**Class I, Zone 2 Group IIC**	**Class II, Divison 1 Groups F, G**	**Zone 20, Group IIIB**	**Simultaneous Class I, Division 2 and Class II, Division 1**
WM3, WM5, WM7	945	40 (104)	T4A	T4A	T6	T6	T4A
		55 (131)	T4A	T4A	T5	T5	T4A
		60 (140)	T4	T4	T4A	T4A	T4
		65 (149)	T4	T4	-	-	-
WM9, WM12	810	40 (104)	T4A	T4A	T6	T6	T4A
		50 (122)	T4A	T4A	T5	T5	T4A

NEC/CEC Temperature Codes - Emergency Battery Backup Model

			Gas		Dust		
Model	**Max Driver Current (mA)**	**Max Ambient C° (F°)**	**Class I, Division 2 Groups A, B, C, D**	**Class I, Zone 2 Group IIC**	**Class II, Divison 1 Groups F, G**	**Zone 20, Group IIIB**	**Simultaneous Class I, Division 2 and Class II, Division 1**
WM3, WM5, WM7 (Emergency)	945	40 (104)	T5	T5	T6	T6	T4A
		50 (122)	T4A	T4A	T5	T5	T4A

NEC/CEC — "T" Numbers Represent the Maximum Internal Temperature or Maximum Surface Temperature

"T" #	**T1**	**350**	**325**	**T2**	**T2A**	**T2B**	**T2C**	**T2D**	**T3**	**T3A**	**T3B**	**T3C**	**T4**	**T4A**	**T5**	**T6**
Temp. Range °C (°F)	+351 to +450 (+664 to +842)	+326 to +350 (+619 to +662)	+301 to +325 (+574 to +617)	+281 to +300 (+538 to +572)	+261 to +280 (+502 to +536)	+231 to +260 (+448 to +500)	+216 to +230 (+421 to +446)	+201 to +215 (+394 to +419)	+181 to +200 (+358 to +392)	+166 to +180 (+331 to +356)	+161 to +165 (+322 to +329)	+136 to +160 (+277 to +320)	+121 to +135 (+250 to +275)	+101 to +120 (+214 to +248)	+86 to +100 (+187 to +212)	+85 (+185)

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Accessories and Replacement Parts

	Description	Weight in kg (lbs)	Catalog Number
Visor / Light Guard			
	Reduces glare at eye level if it is perceived as an issue. Slim design measures 16 mm (0.63 in) in height. Ships with stainless steel mounting hardware.	0.1 (0.22)	**WMVISOR**
Replacement Battery Pack			
	Field Replaceable Battery Pack	0.7 (1.5)	**BPWMLEDQ**
Replacement Emergency Module (REM)			
	Field replaceable Battery Pack and Battery Management Module	1.6 (3.5)	**WMREM**
Safety Cable			
	Stainless steel - 1.22 m (4 ft)	0.2 (0.4)	**LEDSC**
	Stainless steel - 2.44 m (8 ft)	0.4 (0.8)	**LEDSC8**

PCD2 Series Factory Sealed Hazardous Locations Photocontrol

For Use in Class I, Division 2, Groups A.B,C,D Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | NEMA 4X

Applications

- Encapsulated photocontrol provides automatic dusk-to-dawn lighting control in Class I, Division 2 locations.
- Typical applications include walkways, security areas and any other outdoor lighting application.
- Photocontrol Kit can be installed remotely to any Appleton™ luminaire or installed directly to the luminaire wiring compartment using a 3/4 in. close conduit nipple or 3/4 in. 90° elbow.



Features

- Factory sealed design eliminates the need for an explosionproof enclosure.
- Can be easily installed in the field.
- Operating temperature: -40 °C to +60 °C (-40 °F to +140 °F).
- Available for 120, 208, 240, or 277 volts.
- Minimum time delay: 15 seconds to eliminate nuisance tripping.
- Provided with (3) 18 AWG stranded leads 152.4 mm (6 in) in length.
- Supplied with two stainless screws and neoprene gasket (FS-GKR-1N).

Materials

- Encapsulated with epoxy sealing compound
- FS Cover: iron or aluminum

NEC/CEC Certifications and Compliances

- Class I, Division 2, Groups A, B, C, D | NEMA 4X
- UL Standard: 1604 – Hazardous (Classified) Locations
- UL Recognized

Photocontrol Kit — Separate FS Cast Hub Device Box (Step 1) and Photocontrol in FS Cover (Step 2)

	Voltage Range	Max VA	Max VA	Max Current Amps	Photocell Catalog Number	Device Box Catalog Number	
						Iron	Aluminum
Step 1: FS Cast Hub Device Box — single gang 2.00 in. deep FS Box, with one 3/4 in. bottom hub entry — Order separately — Connect FS Box to luminaire wiring compartment with 3/4 in. close conduit nipple or 3/4 in. 90° elbow. Purchased separately from other supplier.							
	N/A	N/A	N/A	N/A	—	**APP-FS-1-75**	**APP-FS-1-75-A**
Step 2: Photocontrol in FS Cover for installation in FS Cast Hub Device Box — Order separately — Supplied with two stainless screws and neoprene gasket, catalog number: FS-GKR-1N							
	120 V, 50/60 Hz	1000	1000	8.3 Amp	**FSKA-PC120D2**	—	—
	208 V, 50/60 Hz	1000	1000	4.8 Amp			
	240 V, 50/60 Hz	1000	1000	4.2 Amp	**FSKA-PC247D2**	—	—
	277 V, 50/60 Hz	1000	1000	3.6 Amp			

Wallmaster™ LED Series Luminaires

Wall Pack

Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Accessories and Replacement Parts

	Model	Ambient Temperature	Voltage	Driver Wattage	CCT (Correlated Color Temperature)	Constant Current Settings	Catalog Number
Replacement Drivers							
	WM3	65°C	BU	50 Watt	Amber, 1800K, 2200K, 3000K, 4000K, 5000K	550mA	APMZ050L135UD5Q
			BH				APMS050C135HD5Q
			B2	50 Watt			APMZ050C130DC5Q
	WM5	65°C	BU	50 Watt	Amber, 1800K, 2200K, 3000K, 4000K, 5000K	670mA	APMZ050L135UD6Q
			BH				APMS050C135HD6Q
			B2	50 Watt			APMZ050C130DC6Q
	WM7	65°C	BU	50 Watt	Amber, 1800K, 2200K, 3000K, 4000K, 5000K	945mA	APMZ050L135UD9Q
			BH				APMS050C135HD9Q
			B2	50 Watt			APMZ050C130DC9Q
	WM9	50°C	BU	100 Watt	Amber, 1800K, 2200K, 3000K, 4000K, 5000K	615mA	APMS100C105UD6Q
			BH	100 Watt			APMS100C105HD6Q
	WM12	50°C	BU	100 Watt	Amber, 1800K, 2200K, 3000K, 4000K, 5000K	810mA	APMS100C105UD8Q
			BH	100 Watt			APMS100C105HD8Q

Luminaire Weight

Description	Weight in kg (lbs)
WM3, WM5, WM7, WM9, WM12 Standard Luminaires	6.2 (13.6)
WM3, WM5, WM7 Emergency Battery Backup Luminaires	7.8 (17.3)

Wallmaster™ LED Series Luminaires

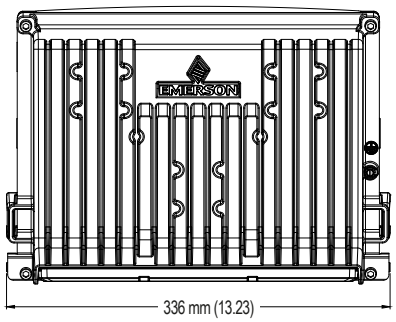
Wall Pack

Hazardous Locations

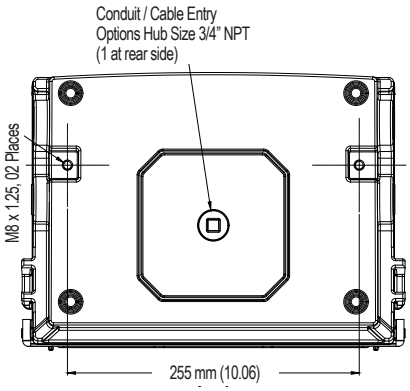
NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Dimensions in Millimeters (Inches)

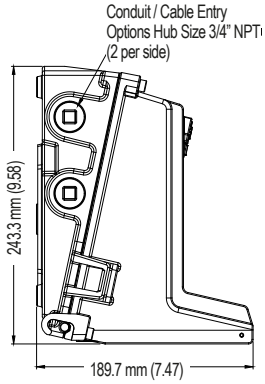
Wall Pack Front



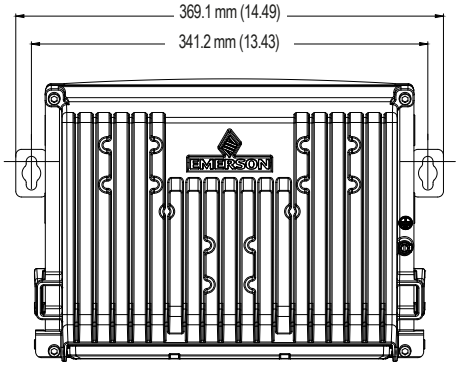
Wall Pack Back



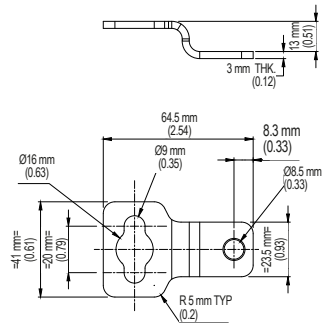
Wall Pack Side



Wall Pack with Mounting Bracket Front



Mounting Bracket



Wallmaster™ LED Series Luminaires

Wall Pack

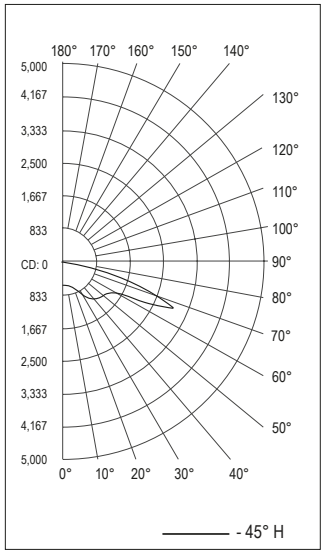
Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 Equivalency Rating | Class I, Zone 2, Group IIC | Zone 20, Group IIIB | Type 4 and 4X | IP66 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations
Notable: American Bureau of Shipping (ABS) Certified | 5G Vibration | IK10 Impact Resistance

Photometric Data — DATA SHOWN IS ABSOLUTE

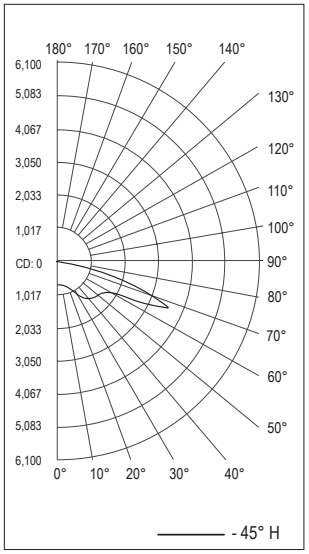
Type III, Medium,
Clear Polycarbonate, 5000K CCT
REPORT NUMBER: **WM3CPF**
Luminaire Lumens: 4,297

POLAR CANDELA DISTRIBUTION



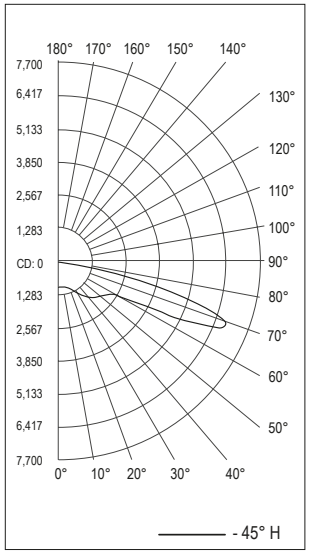
Type III, Medium,
Clear Polycarbonate, 5000K CCT
REPORT NUMBER: **WM5CPF**
Luminaire Lumens: 5,187

POLAR CANDELA DISTRIBUTION



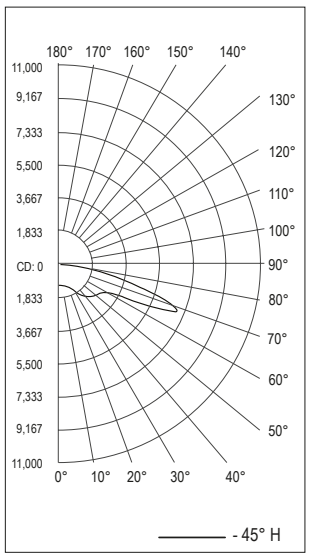
Type III, Medium,
Clear Polycarbonate, 5000K CCT
REPORT NUMBER: **WM7CPF**
Luminaire Lumens: 7,129

POLAR CANDELA DISTRIBUTION



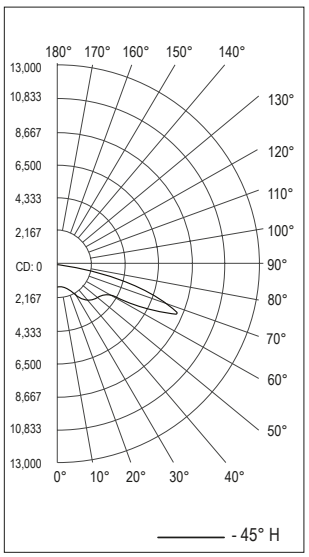
Type III, Medium,
Clear Polycarbonate, 5000K CCT
REPORT NUMBER: **WM9CPF**
Luminaire Lumens: 8,931

POLAR CANDELA DISTRIBUTION



Type III, Medium,
Clear Polycarbonate, 5000K CCT
REPORT NUMBER: **WM12CPF**
Luminaire Lumens: 11,114

POLAR CANDELA DISTRIBUTION



KOLFF

energy.quality



KOLFF se reserva el derecho a modificar estas especificaciones, sin previo aviso.
El contenido de este catalogo es propiedad intelectual de KOLFF



KOLFF $IJMF

"W 1SFTJEFOUF &EVBSEP 'SFJ
.POUBNWB 2VJMJDVSB
4BOUJBHP $IJMF

XXX LPMGGGM

KOLFF 1FSÞ

"W 1BTFO EF MB 3FQÞCMJDB
-B 7JDUPSJBNB

XXX LPMGGGN QF

KOLFF "SHFOUJOB

.ÝJDP
#VFOPT "JSFT

XXX LPMGGGN BS

KOLFF #SBTJM

"W /PTTB 4FOPSB %P 4BCBSÈ
7JMB 4Pª1B 1BVMP

XXX LPMGGGN CS

KOLFF &TQB×B

$BMMF *GPSSFT 2VFWFEP
.BESJE

XXX LPMGGG

KOLFF &&66

&BTU #SPXBSE #PVMFWBSE 4V
'PSU -BVEFSEBMF PSJEB

XXX LPMGGGDPN