2L

For drilling and marine applications

Pauluhn™ ZPLA explosionproof linear LEDs are designed to replace fluorescent T12, T8 and T5HO lighting on marine vessels and land-based and offshore drilling platforms. The rugged and durable design features the industry's most versatile and flexible mounting options. The ZPLA is the ideal solution for high vibration, impact and hose down in drilling applications.

Model	Typical lumens	Watts	Lumens per watt	Equivalent HID luminaire	Typical energy savings / lifetime
				T12H0	Up to 62%
				T8H0	Up to 57%
ZPLA2	3,800	28.4	135	_T5H0	Up to 45%
ZPLAZ	+/- 10%	20.4	133	T12	Up to 34%
				T8	Up to 22%
				T5	Up to 6%
				T12H0	Up to 58%
ZPLA4	8,300 +/- 10%			T8H0	Up to 43%
		EO O	120	T5H0	Up to 53%
		59.8	139	T12	Up to 37%
				T8	Up to 21%
				T5	Up to 10%



Applications:

 Marine vessels, land-based and offshore rigs; areas include: mud room, derrick, mast, SCR house, top drive, operator's house, power and pump stations

Features:

- High efficacy: up to 139 LPW (ZPLA4 UNV34)
- 5000K CCT, 72 CRI
- -25°C to +55°C ambient operating temperature (standard fixture only)
- Low profile fixture (<5" height)
- Flush and swivel mount options
- Wide optics for uniform illumination
- Four points of secondary retention and loop feed wiring
- 2,000 PSI high pressure hose rated
- 5G 3-axis vibration
- 4kV line to line, 6kV line to earth surge protection
- 5 year fixture warranty

Standard materials:

- Housing copper-free aluminum; Corrofree epoxy powder coat (optional)
- Lens glass; diffused glass (optional)

Mounting (ordered separately):

Versatile mounting options:

- · Flush mount
- · Swivel/surface mount
- Pole mount

Certifications and compliances:

NEC/CEC:

- Class I, Division 1, Groups C, D
- · Class II, Division 1, Groups E, F, G
- Class III
- NEMA 4X, IP66
- · Marine and wet locations
- · Paint spray rated

UL standards:

- UL50E Enclosures for Electrical Equipment, Environmental Considerations
- UL844 Electrical Fixture Hangers for Hazardous Locations
- UL924 Emergency Lighting and Power Equipment
- UL1598 Luminaire
- UL1598A Luminaire for Installation on Marine Vessels
- UL8750 Standard for Light Emitting Diode (LED) Equipment for use in Lighting Products

CSA standard

• C22.2 Nos. 137, 250

Photometrics:

• Complete photometrics can be found at www.crouse-hinds.com/photometrics



CI. I, Div. 1, Groups C, D CI. II, Div. 1, Groups E, F, G CI. III

UL Listed CSA Certified Marine & Wet Locations NEMA 4X; IP66

For drilling and marine applications

Electrical ratings:

UNV1	Input power (watts)	Input amps at 120-277 VAC
ZPLA2	28.3	0.23 - 0.11
ZPLA4	59.8	0.24 - 0.11

UNV34	Input power (watts)	Input amps at 347-480 VAC
ZPLA4	45.1	0.096 - 0.127

UNV1

Voltage range, VAC	120-277V at 50/60 Hz
Voltage range, VDC	127-300V

Voltage range, VAC 347-480V at 50/60 Hz	UNV34	
		347-480V at 50/60 Hz

All models

<n on<="" td=""><td></td></n>	
≥0.30	
<1E0/	
≤10%	
	≥0.90 ≤15%

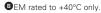
Temperature performance data:

Ambient temp. °C	Supply wire °C	Class I, Division 1	Class II, Division 1	Simultaneous presence	Paint spray
40 ®	75	T6	T5	T6	T5
55	75	T6	T5	T5	T5
65	90	T5	T4A	T4A	T5

Weights:

Model	Lbs.	Kg.
ZPLA2	18.0	8.2
ZPLA4	27.0	12.2
Emergency	37.8	17.1

AZPLA2 model not available with UNV34.





Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G CL III

UL Listed **CSA** Certified Marine & Wet Locations NEMA 4X; IP66

2L

For drilling and marine applications

Designed for drilling. Pauluhn ZPLA linear LED luminaires are engineered to stand up to the demanding conditions faced on land-based drilling rigs. The ZPLA stands up to high vibration, hose down, shock and impact, while delivering long life and high lumen performance for up to 10 years.



Custom optics

 120° beam spread maximizes illumination on wall panels

Comprehensive certification

· Single model certified for use in Class I, Division 1 and Class II, Division 1 harsh and hazardous applications

Quick and easy installation

- · Easy access to drivers and wiring
- · No custom brackets or hardware needed
- · Two mounting options available

Slim profile

- Less than 5" fixture height (excluding mounting brackets)







Built to last

- Ingress protection from hose down water or diesel fuel in harsh operational conditions - passed 2,000 PSI high pressure test
- Vibration-, impact- and shock-resistant passed 5G, 3-axis vibration
- 60,000 hour lifetime at 55°C ambient
- 100.000+ hour lifetime at 40°C and below



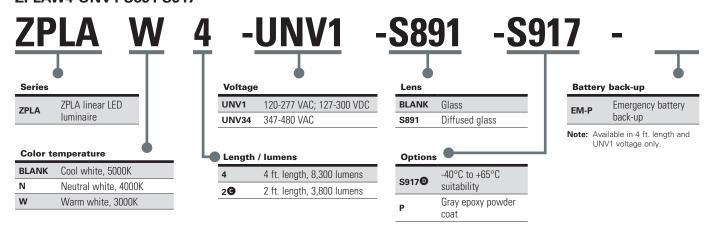
Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G CI. III

UL Listed **CSA** Certified Marine & Wet Locations NEMA 4X; IP66

For drilling and marine applications

Ordering information:

Part number example ZPLAW4-UNV1-S891-S917



Options:

Description	Suffix
Diffused glass lens	S891
• -40°C to +65°C suitability	S917 ©
Gray epoxy powder coat	Р

Accessories (ordered separately):

ZP1057MTK	Flore le le colonne de la colonne le colonne
ZI 103/WITK	Flush/back mount back plate
ZP1050MTK	Ceiling/swivel mount
PM KIT 1.25	1½" pole mount kit
PM KIT 1.5	1½" pole mount kit
PM KIT 2.0	2" pole mount kit
SS KIT	Safety chain kit (two cables)
XPL PS2	Polycarbonate paint spray lens shield kit (2 ft. fixture)
XPL PS4	Polycarbonate paint spray lens shield kit (4 ft. fixture)

Replacement driver kits (ordered separately)

ZPLA2-UNV1-DRIVER KIT	120-277 VAC driver replacement for 2 ft. linear
ZPLA4-UNV1-DRIVER KIT	120-277 VAC driver replacement for 4 ft. linear
ZPLA4-UNV34-DRIVER KIT	347-480 VAC driver replacement for 4 ft. linear
XPLA EM BATTERY KIT	Replacement battery pack for emergency back-up model

@2 ft. model not available with UNV34 voltage option.



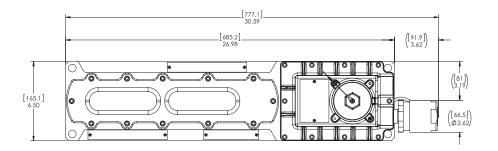


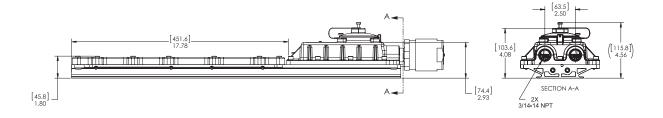
Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G Cl. III

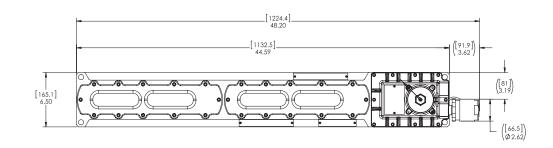
UL Listed CSA Certified Marine & Wet Locations NEMA 4X; IP66

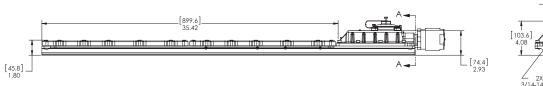
For drilling and marine applications

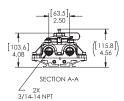
Dimensions:









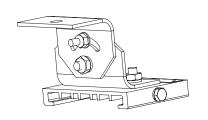


Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G CI. III

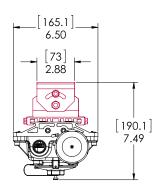
For drilling and marine applications

Mounting options:

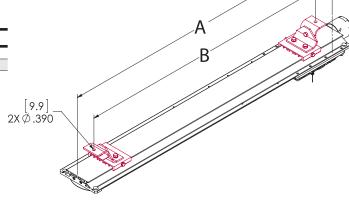
Ceiling/swivel mount ZP1050MTK



7DI A2



	ZFLAZ		ZFLA4	
Length	in.	mm.	in.	mm.
Α	27.0	685.0	44.6	1133.0
В	12-29	222-750	18-47	222-1194



UL Listed

CSA Certified

NEMA 4X; IP66

Marine & Wet Locations

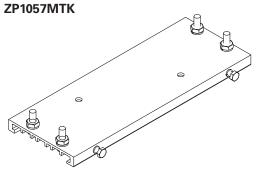


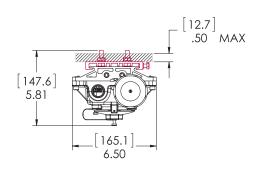
Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G Cl. III UL Listed CSA Certified Marine & Wet Locations NEMA 4X; IP66

For drilling and marine applications

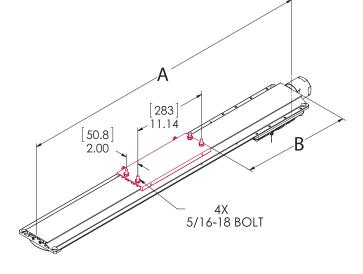
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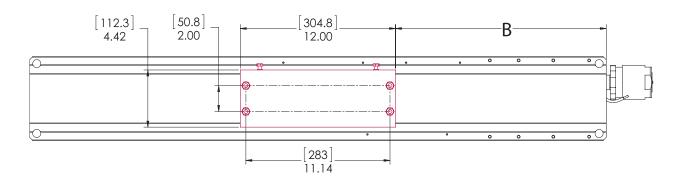


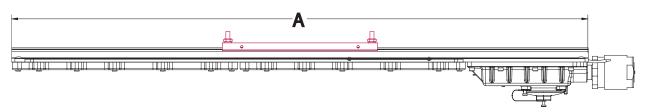




	ZPLA2	ZPLA2		
Length	in.	mm.	in.	mm.
Α	27.0	685.0	44.6	1133.0
В	7.5	190.0	16.3	414 0







Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G CI. III

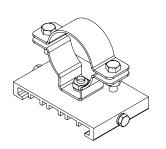
CSA Certified Marine & Wet Locations NEMA 4X; IP66

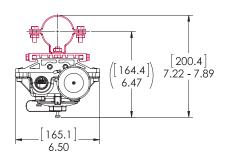
UL Listed

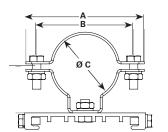
For drilling and marine applications

Mounting options (continued):

Pole mount PM KIT 1.25/1.5/2.0

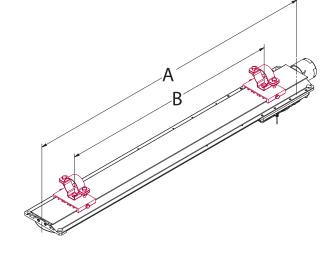


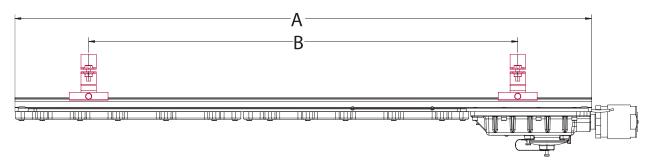




	ALL MEASUREMENTS IN INCHES				
Configuration	Α	В	С	D	
PM KIT 1.25	4.331	3.543	1.680	1.693	
PM KIT 1.5	3.740	2.953	2.000	1.535	
PM KIT 2.0	3.386	2.598	2.360	1.378	

	ZPLA2	ZPLA2		ZPLA4	
Length	in.	mm.	in.	mm.	
Α	27.0	685.0	44.6	1133.0	
В	12.0 - 24.0	305.0 - 610.0	18.0 - 41.6	610.0 - 1056.0	





Cl. I, Div. 1, Groups C, D Cl. II, Div. 1, Groups E, F, G CL III

UL Listed CSA Certified Wet Locations Type 4X; IP66

Applications:

 Explosionproof rated indoor and outdoor egress and emergency lighting for areas requiring uninterrupted lighting during power

Features:

- Operating ambient: -20°C to +40°C
- 90-minute minimum run time in emergency mode
- 7,513 lumen output (784 in emergency mode)
- 60.000 hours rated life at 40°C
- IP66 rated enclosure with NiCad batteries
- Provision of LED indicator and manual test switch to check battery
- · Epoxy painted powder coated housing
- 1 year warranty

Certifications and compliances:

- · Class I, Division 1, Groups C, D
- Class II, Division 1, Groups E, F, G
- Class III
- Wet locations, Type 4X, IP66

UL standards:

- UL50E Enclosures for Electrical Equipment, Environmental Considerations
- UL844 Electrical Fixture Hangers for Hazardous Locations
- UL924 Emergency Lighting and Power Equipment
- UL1598 Luminaires
- UL1598A Luminaire for Installation on Marine Vessels
- UL8750 Standard for Light Emitting Diode (LED) Equipment for use in Lighting Products

CSA standard:

• CSA C22.2 Nos. 137, 141



Ordering information:

Model	EM output	Normal output	Weight (lbs.)
ZPLA4-UNV1-EM-P	784 lumens	7,513 (100-277V)	37.8

Electrical ratings:

UNV1	Input power (watts)	Input amps at 120-277 VAC
ZPLA4 EM P	73.2	0.61 - 0.73

Voltage range, VAC	120-277V at 50/60 Hz
Power factor	≥0.90
THD	≤15%

Dimensions:

