

Viamaster™ LED Series Luminaires

For NEC and CEC Governed Hazardous Locations

NEC/CEC:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Group IIC
Class II, Division 2, Groups F, G
Zone 22, Group IIIB
Class III

NEC/CEC:
Type 3R, 4, 4X
Marine Outside Type- For USA Only ⌘
IP66/IP67
Suitable for Use in Wet Locations

Applications

- For use in locations where:
 - Flammable gases, vapors and dusts are present
 - A high degree of corrosion resistance is required
 - Protection against dirt, water and moisture is necessary
- Typical applications include:
 - Oil refineries
 - Petrochemical facilities
 - Pulp and paper mills
 - Food processing plants
 - Waste and sewer treatment
 - Underground tunnels
 - General manufacturing facilities

Features

- 60,000+ hour LED life for years of maintenance free operation.
- Lightweight design, hinged cover with captive screws, and terminal block wiring for easy installation and maintenance.
- Standard screw-type terminal block can accept UL/CSA 26 to 10 AWG wire.
- Contemporary, low profile design suitable for tight spaces.
- Field replaceable LED driver and lens.
- Industry-leading thermal management for safe, reliable operation over wide temperature range.
- Full range of lumen outputs, with light distribution equivalent to Appleton's FV Series fluorescent fixtures
- Easy to retrofit in same mounting footprint as Appleton's FV Series fluorescent fixtures.
- 2 opposing 3/4" NPT hubs with adjacent terminal blocks for thru wiring. (1) 3/4" NPT close up plug provided.

Options

- Universal, high efficiency, drivers cover voltage requirements for 120-277 Vac and 347-480 Vac, 50/60 Hz +/- 10%.
- Standard 2KV surge suppression.
- Safety cable for fall safe retention; add suffix **-C** to the end of the catalog number.
- Fusing is available;
 - Add suffix **-F** to the end of the catalog number. ⌘
- Diffused lens is available;
 - Add suffix **-D** to the end of the catalog number.
- For emergency battery backup refer to Viamaster LED Series Emergency Luminaires.

Standard Materials

- Housing: copperfree (4/10 of 1% max.) aluminum
- Lens: thermal shock- and impact-resistant polycarbonate lens
- Gasket: silicone rubber, mechanically secured
- Bolts: stainless steel
- Close up plugs: nickel plated brass
 - Mounting hardware: See ordering information

Standard Finishes

- Housing: gray polyester

Related Products

- For ATEX/IECEx certified products, refer to Viamaster LED Series Luminaires for ATEX and IECEx Governed Locations



NEC/CEC Certifications and Compliances

- UL Standard: UL 1598, UL 8750, UL 844, UL1598A, UL50E
- cCSAus Certified: 065182. cULus E10444
- Ambient Temperature:
 - LU: 120-277 Volts: -40 °C up to +65 °C (-40 °F up to +149 °F)
 - BH: 347-480 Volts: -40 °C up to +65 °C (-40 °F up to +149 °F)
- DLC Qualified Products Listed

⌘ Fusing option not available with Marine Outside Type (Salt Water) rating. Fusing option not permitted for cUL.

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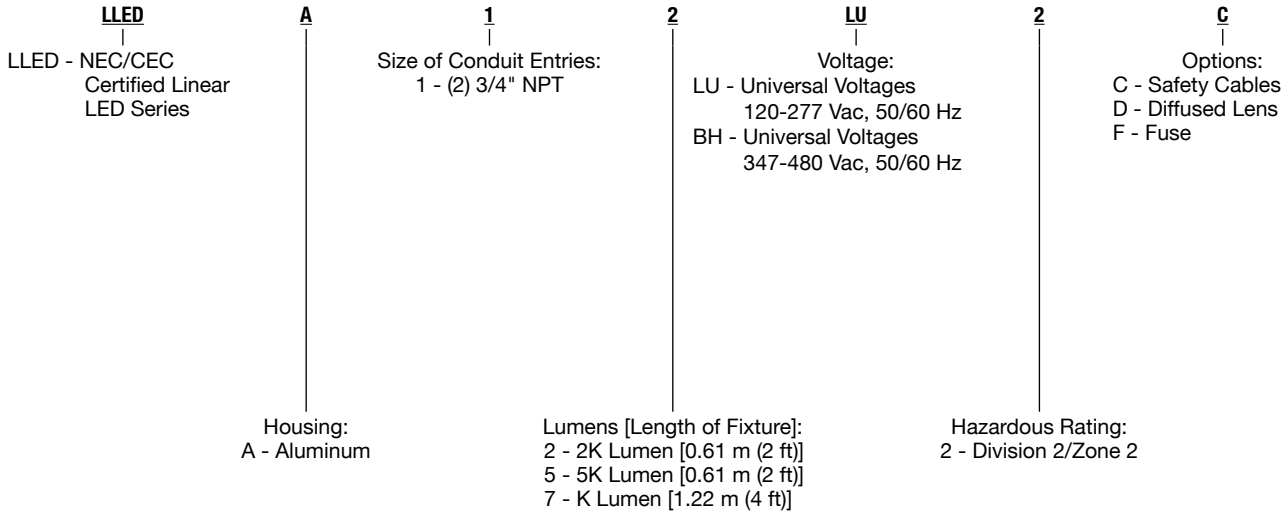
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Order using catalog numbering guides below or select catalog number from tables on following pages.

Catalog Numbering Guide – NEC/CEC Certified Linear LED



Appleton

LED/AREA: NEC/CEC, ATEX/IECx ENCLOSED AND GASKETED

Lamp Comparison Chart

Catalog Number	Line Current Amps	Input Power	Power Factor	THD	Lumens			Color Temp CCT	Length m (ft)
					Clear Polycarbonate	Diffused Polycarbonate	CRI		
NEC/CEC									
LLEDA12LU2	.20@120V	22	>0.95	<20%	2200	1800	70 typical	5650K	0.61 (2)
	.12@277V		>0.87						
LLEDA12BH2	.07@347V		>.95						
	.06@480V		>.77						
LLEDA15LU2	.37@120V	45	>.95	<20%	4400	3800	70 typical	5650K	0.61 (2)
	.17@277V		>.95						
LLEDA15BH2	.14@347V		>.95						
	.10@480V		>.95						
LLEDA17LU2	.70@120V	81	>.95	<20%	7800	6400	70 typical	5650K	1.22 (4)
	.31@277V		>.95						
LLEDA17BH2	.24@347V		>.95						
	.18@480V		>.95						

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Technical Data ①

Lamp		Ambient Temperature °C (°F)	Supply Wire Temperature °C (°F)	Gas		NEC/CEC		Dust	
Model	Type			Class I, Division 2 ②	Groups	Class I, Zone 2, AEx nA IIC, Ex nA IIC	Class II, Division 2 ③	Groups	
LLEDA12LU2	LED	40 (104)	75 (167)	T4	A, B, C, D	T4	T5	F, G	
		55 (131)	75 (167)	T4	A, B, C, D	T4	T5	F, G	
		65 (149)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
LLEDA12BH2	LED	40 (104)	75 (167)	T4A	A, B, C, D	T4	T6	F, G	
		55 (131)	75 (167)	T4A	A, B, C, D	T4	T5	F, G	
		65 (149)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
LLEDA15LU2	LED	40 (104)	75 (167)	T4A	A, B, C, D	T4	T5	F, G	
		55 (131)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
		65 (149)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
LLEDA15BH2	LED	40 (104)	75 (167)	T4	A, B, C, D	T4	T5	F, G	
		55 (131)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
		65 (149)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
LLEDA17LU2	LED	40 (104)	75 (167)	T4A	A, B, C, D	T4	T5	F, G	
		55 (131)	75 (167)	T5	A, B, C, D	T5	T4A	F, G	
		65 (149)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	
LLEDA17BH2	LED	40 (104)	75 (167)	T4A	A, B, C, D	T4	T5	F, G	
		55 (131)	75 (167)	T4A	A, B, C, D	T4	T5	F, G	
		65 (149)	75 (167)	T4	A, B, C, D	T4	T4A	F, G	

T Code data is per UL Certification.

“T” Numbers Represent the Maximum Internal Temperature ② or Maximum Surface Temperature ③

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

① T codes provided in catalog pages are based on worst case data.

② T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.

③ T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 and 2 as designated by the NEC.

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