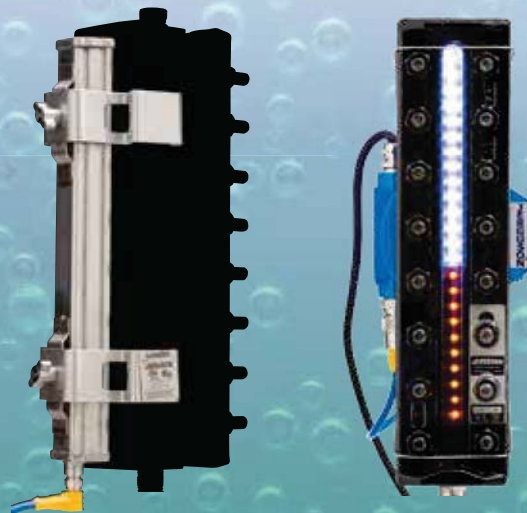


Jerguson® **LumaStar™** Illuminators

The Ten-Year Solution™



JERGUSON®
A PRODUCT OF CLARK-RELIANCE

Without the Right Illumination, You Could Be In the Dark!



A Typical Dirty Glass Level
Gage Without Illumination

Case 1: Top of fluid level is between glass sections.



Competitive Light A
(Green LED's)

With the top of the fluid level right between the glass sections, your indicator could create a dangerous situation as the operator may easily think the gage was full or empty.



Competitive Light B
(Amber LED's)



Jerguson® LumaStar™
Illuminator (White LED's)

High contrast illumination makes it easy to see that the level is between glass sections.

There's No Mistaking Your Level with a LumaStar™ Illuminator

Case 2: Top of fluid level is within a glass section.



Competitive Light A
(Green LED's)

With dirt on the glass, the level is not as clear. Your indicator could create a dangerous situation as the operator may easily think the gage was full or empty if viewing from a distance or in poor lighting conditions.



Competitive Light B
(Amber LED's)



Jerguson® LumaStar™
Illuminator (White LED's)

Even with dirty glass, there is no doubt where the level is!

**Color is
Critical!**

LumaStar™ Illuminator Model EPL-100

The Ten-Year Solution: Anodized Aluminum Construction

Jerguson® LumaStar™ Illuminators' white LED design combines long-life performance with superior visibility for hazardous locations. Jerguson's Model EPL-100 is approved for use in Class I, Div 1, Group B, C & D and Zone 1 & 2 environments and available in sizes up to 58" long with a single power supply. That means a four section size nine or five section size seven gage from a single power supply at less than 250 mA! Contact your local representative or a Jerguson Applications Engineer to configure an EPL-100 for your transparent glass level gages.

- High Contrast
- Superior Visibility Day or Night
- Maintenance FREE
- Long Life ~100,000 hrs.
- No Heat Generation
- Field Upgradable
- Fits any glass gage!
- Eliminates "bulb-changes"
- Longest Field-of-View
- Covers up to 4 Size 9 Gage Sections or 5 Size 7 Gage Sections
- Explosion-Proof Power Supply, Intrinsically Safe Lighting Circuit
- Pays for itself in electricity savings alone!



"I purchased some 50 units of EPL-100 illuminators for Chevron's Hawaii Refinery. The operators are very pleased with this unit as it radiates a tremendous amount of lighting through the gage glasses unlike the older incandescent types we had here. This makes verifying levels in columns, vessels, drums, etc. much easier. This is a good product and suited our needs perfectly."

- Darin M. Matsumiya,
I/E Supervisor/Analyst at
Chevron Texaco Hawaii

Wire Size:
Min 18 AWG / Max 12 AWG

Max Distance from Power Supply to Light Strip:
80 ft (24.4 m)

Ambient Temperature:
-40 °F (-40 °C) to 170 °F (77 °C)

Electrical Connection:
3/4" FNPT

Specifications – Model EPL-100

Power Supply: 115 or 230 VAC @ 50-60 Hz

Power Supply Weight: 5.2 lbs

Power Consumption: <250 mA @ 120/240 VAC During Normal Operation
Up to 400 mA max @ 120/240 VAC

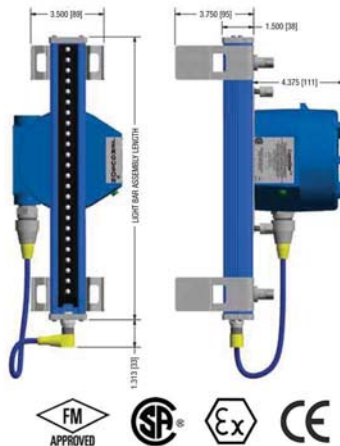
Estimated Life: 100,000 Hours (continuous)

Agency Approvals: FM and CSA Approvals
Class I, Div 1, Grps. B, C, & D, T4
ATEX Approvals
Power Supply: Ⓢ II 2/2 G Ex d [ia] IIC T4
Light Strip: Ⓢ II 2 G Ex ia IIC T4

LumaStar™ EPL-100

LumaStar Model EPL-100 Series 20/32	Series 300L	Overall Length in	mm	Total Weight lbs.
EPL-100-1_1		5.25	133	5.4
EPL-100-2_1		5.25	133	5.4
EPL-100-3_1		7.25	184	5.6
EPL-100-4_1		7.25	184	5.6
EPL-100-5_1		9.25	235	5.7
EPL-100-6_1	EPL-100-11_1	11.25	286	5.9
EPL-100-7_1		11.25	286	5.9
EPL-100-8_1	EPL-100-12_1	13.25	337	6.1
EPL-100-9_1	EPL-100-13_1	13.25	337	6.1
EPL-100-3_2	EPL-100-15_1	15.25	387	6.3
EPL-100-4_2		17.25	438	6.4
EPL-100-5_2	EPL-100-18_1	19.25	489	6.6
EPL-100-6_2	EPL-100-20_1	21.25	540	6.8
EPL-100-7_2	EPL-100-11_2	23.25	591	6.9
	EPL-100-12_2	25.25	641	
EPL-100-8_2	EPL-100-13_2	27.25	692	7.3
EPL-100-9_2		29.25	743	7.4
EPL-100-6_3	EPL-100-15_2	31.25	794	7.6
EPL-100-7_3	EPL-100-11_3	35.25	895	7.9
	EPL-100-18_2	37.25	946	
EPL-100-8_3	EPL-100-12_3	39.25	997	8.3
EPL-100-9_3	EPL-100-20_2 / EPL-100-13_3	41.25	1048	8.5
EPL-100-7_4	EPL-100-15_3	47.25	1200	9.0
EPL-100-8_4		53.25	1353	9.5
EPL-100-9_4	EPL-100-18_3	57.25	1454	9.9
EPL-100-7_5		59.25	1505	10.1

Consult Factory for Specifications of Models for Series 40 Level Gages



How to Specify LumaStar™ EPL-100

EPL-100-9-1-1-1-

LumaStar, Model EPL 100
115 or 230 VAC 50/60 Hz
NEMA 4, 4x, 7

Gage Window Size (1 thru 9 or 11 thru 20)

Prewired Terminal Connections
1 = FM/CSA Approved*, 115 VAC 50/60 Hz
2 = FM/CSA Approved*, 230 VAC 50/60 Hz
3 = ATEX Approved*, 115 VAC 50/60 Hz
4 = ATEX Approved*, 230 VAC 50/60 Hz

Number of Gage Sections (1, 2, 3, 4)

Replacement 18" cable: V20509
(End-Fitting construction is Nickel-Plated Brass.)

Extension Cord for remote mount, 6.5 ft. length: V20601-6-5
(End-Fitting construction is Nickel-Plated Brass.)

Blank = Standard
D = Daisy Chain (for multiple single section light strips with connecting braided wire cable shielded for strength. Consult factory for maximum lengths and number of sections)
R = Remote Mount Power Supply (not required for single section size 7, see note)

Mounting Brackets
1 = Universal Mounting Bracket for cover plates up to 3-1/2" in width. Use for all Jerguson Series 20/30/32/L10/300L/5/12/18 and competitive L/M/H series gages.
4 = Series 20/32 CS Covers NF Ext.
5 = Series 20/32 SS Covers NF Ext.
6 = Series 30/900# Boiler Water Gages
7 = Reliance FG450/900
8 = Reliance FG1500
9 = Series 40/1100/1600# Boiler Water Gages
11 = Jogler
12 = Reflex Gage

*See page 4 for details
Note: Power Supply will be remote mounted for all single section size 7 and smaller illuminators.

LumaStar™ Offshore Illuminator Model EPL-316

All 316 Stainless Construction for Offshore & Other Severe Service Environments, Another Bright Ten-Year Solution

Jerguson® is pleased to announce the addition of the 316 Stainless Steel LED Gage Glass LumaStar™ Illuminator to the world's largest selection of level indication and control products. Jerguson's Model EPL-316 is approved for use in Class I, Div 1, Group B, C & D and Zone 2 environments and available in sizes up to 58" long with a single power supply. That means a four section size nine gage or five section size seven from a single power supply at less than 250 mA! Contact your local representative or a Jerguson Applications Engineer to configure an EPL-316 for your transparent glass level gages.

- 316 Stainless Steel Construction
- High Contrast
 - Superior Visibility Day or Night
- Maintenance FREE
- Long Life ~100,000 hrs.
- No Heat Generation
- Field Upgradable
 - Fits any glass gage!
- Eliminates "bulb-changes"
- Longest Field-of-View
- Covers up to 4 Size 9 Gage Sections or 5 Size 7 Gage Sections
- Explosion-Proof Stainless Steel Power Supply, Intrinsically Safe Lighting Circuit
- Pays for itself in electricity savings alone!
- IP66 Rating

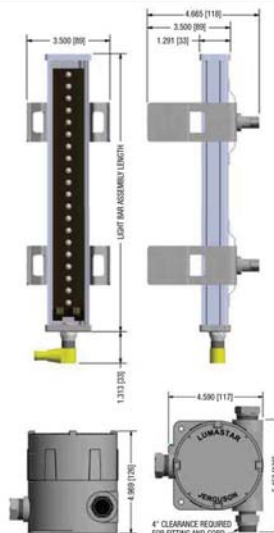
Specifications – Model EPL-316

Power Supply:	115 or 230 VAC @ 50-60 Hz
Power Supply Weight:	7.4 lbs
Power Consumption:	<250 mA @ 120/240 VAC During Normal Operation Up to 400 mA max @ 120/240 VAC
Estimated Life:	100,000 Hours (continuous)
Agency Approvals:	FM and CSA Approvals Class I, Div 1, Grps. B, C, & D, T4
Wire Size:	Min 18 AWG / Max 12 AWG
Max Distance from Power Supply to Light Strip:	80 ft (24.4 m)
Ambient Temperature:	-40 °F (-40 °C) to 170 °F (77 °C)
Electrical Connection:	3/4" FNPT

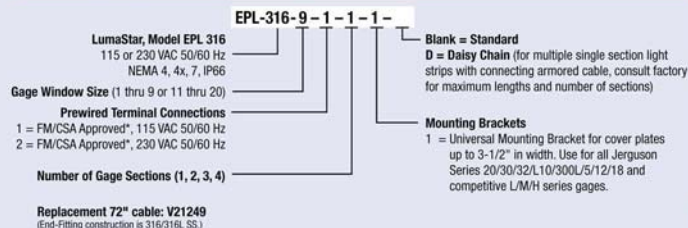
LumaStar™ EPL-316

LumaStar Model EPL-316		Overall Length		Light Assembly Weight lbs	Total Weight (Including Remote Mount Power Supply)
Series 20	Series 300L	in	mm		
EPL-316-1.1		5.25	133	0.5	7.9
EPL-316-2.1		5.25	133	0.5	7.9
EPL-316-3.1		7.25	184	0.7	8.1
EPL-316-4.1		7.25	184	0.7	8.1
EPL-316-5.1		9.25	235	0.9	8.3
EPL-316-6.1	EPL-316-11.1	11.25	286	1.1	8.5
EPL-316-7.1		11.25	286	1.1	8.5
EPL-316-8.1	EPL-316-12.1	13.25	337	1.3	8.7
EPL-316-9.1	EPL-316-13.1	13.25	337	1.3	8.7
EPL-316-3.2	EPL-316-15.1	15.25	387	1.5	8.9
EPL-316-4.2		17.25	438	1.7	9.1
EPL-316-5.2	EPL-316-18.1	19.25	489	1.9	9.3
EPL-316-6.2	EPL-316-20.1	21.25	540	2.1	9.5
EPL-316-7.2	EPL-316-11.2	23.25	591	2.3	9.7
	EPL-316-12.2	25.25	641	2.5	9.9
	EPL-316-13.2	27.25	692	2.7	10.1
EPL-316-9.2		29.25	743	2.9	10.3
EPL-316-6.3	EPL-316-15.2	31.25	794	3.1	10.5
EPL-316-7.3	EPL-316-11.3	35.25	895	3.5	10.9
	EPL-316-18.2	37.25	946	3.7	11.1
EPL-316-8.3	EPL-316-12.3	39.25	997	3.9	11.3
EPL-316-9.3	EPL-316-20.2	41.25	1048	4.1	11.5
EPL-316-7.4	EPL-316-15.3	47.25	1200	4.7	12.1
EPL-316-8.4		53.25	1353	5.3	12.7
EPL-316-9.4	EPL-316-18.3	57.25	1454	5.7	13.1
EPL-316-7.5		59.25	1505	5.9	13.3

Consult Factory for Specifications of
Models for Series 40 Level Gages



How to Specify LumaStar™ EPL-316



*See page 6 for details

Note: All Power Supplies are remote mounted.



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