



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX ETL 20.0063X** Page 1 of 5 [Certificate history:](#)  
Issue 0 (2020-11-30)

Status: **Current** Issue No: 1

Date of Issue: 2021-02-25

Applicant: **Clark-Reliance Corp.**  
16633 Foltz Pkwy  
Strongsville, OH 44149  
United States of America

Equipment: **Instrumentation Lights (System: Power Supply and Lights): EPL-100 Jerguson LumaStar (SERIES); EPL-316 Jerguson LumaStar (SERIES); Jacoby Tarbox Phaeton (SERIES); Jerguson NightStar (SERIES); Reliance DuraStar (SERIES).**

Optional accessory: NA

Type of Protection: **Power Supply: Ex db [ib] IIB+H2 T4 Gb; Lights: Ex ib IIB+H2 T4 Gb**

Marking: Manufacturer  
Model Number  
"IECEX ETL 20.0063X"  
(Power Supply): "Ex db [ib] IIB+H2 T4 Gb"  
(Lights): "Ex ib IIB+H2 T4 Gb"  
"-40°C ≤ Tamb ≤ +60°C"

Approved for issue on behalf of the IECEx  
Certification Body:

**Todd L. Relyea**

Position:

**Certification Officer**

Signature:  
(for printed version)

Date:

\_\_\_\_\_  
\_\_\_\_\_

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Intertek**  
3933 US Route 11 South  
Cortland NY 13045-2995  
United States of America

**intertek**



# IECEx Certificate of Conformity

Certificate No.: **IECEx ETL 20.0063X**

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Date of issue: 2021-02-25

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Manufacturer: **Clark-Reliance Corp.**  
16633 Foltz Pkwy  
Strongsville, OH 44149  
**United States of America**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/ETL/ExTR20.0072/00](#)

[US/ETL/ExTR20.0072/01](#)

Quality Assessment Report:

[GB/ITS/QAR11.0005/07](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Instrumentation Lights (System: Power Supply and Lights):

EPL-100 Jerguson LumaStar (SERIES);

EPL-316 Jerguson LumaStar (SERIES);

Jacoby Tarbox Phaeton (SERIES);

Jerguson NightStar (SERIES);

Reliance DuraStar (SERIES).

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

### **“Specific Conditions of Use”**

- EXTERNAL NON-METALLIC AND/OR PAINTED SURFACES OF THE EQUIPMENT MAY STORE ELECTROSTATIC CHARGE AND BECOME A SOURCE OF IGNITION IN APPLICATIONS WITH A LOW HUMIDITY <~30% RELATIVE HUMIDITY. KEEP EXTERNAL NON-METALLIC AND PAINTED SURFACES FREE OF SURFACE CONTAMINATION SUCH AS DIRT, DUST OR OIL USING ONLY A DAMP CLOTH.
- WARNING: THIS EQUIPMENT CONTAINS NON-METALLIC/PAINTED ENCLOSURE PARTS, TO PREVENT THE RISK OF ELECTROSTATIC SPARKING, ALL NON-METALLIC/PAINTED SURFACES SHOULD ONLY BE CLEANED WITH A DAMP CLOTH.
- TAKE PRECAUTIONS TO AVOID POSSIBLE IGNITION HAZARDS BY IMPACT OR FRICTION

## **Routine tests:**

- Protective Mains Transformers:

PERFORM EACH HI-POT TEST WITH LESS THAN 5mA OF LEAKAGE FOR A MINIMUM OF 1 SECOND ON EVERY PART.

- a). PRIMARY TO SECONDARY: 4000V
- b). ANY WINDING TO CORE: 4000V



# IECEx Certificate of Conformity

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**Equipment (continued):**

Reference Annex



# IECEx Certificate of Conformity

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Date of issue: 2021-02-25

Issue No: 1

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Change Markings: ATEX NB # From 0359 to 2575.

**Annex:**

[SFT-IECEx-OP-19f - Annex for IECEx Certificate of Conformity .pdf](#)



# Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEx ETL 20.0063X</b>	<b>Issue No. 01</b>
<b>Annex No. 1</b>		

Applicant's name..... : Clark-Reliance Corp.  
 Address..... : 16633 Foltz Parkway; Strongsville, OH 44149; USA

Test item description..... : Instrumentation Lights (System: Power Supply and Lights)  
 Model/type reference ..... : EPL-100 Jerguson LumaStar (SERIES);  
 EPL-316 Jerguson LumaStar (SERIES);  
 Jacoby Tarbox Phaeton (SERIES);  
 Jerguson NightStar (SERIES);  
 Reliance DuraStar (SERIES).  
 Code (e.g. Ex \_\_ II\_\_ T\_\_)... : Power Supply: Ex db [ib] IIB+H2 T4 Gb;  
 Lights: Ex ib IIB+H2 T4 Gb  
 Rating ..... : Mains: Um = 250V ≤ 115VACRMS / 230VACRMS  
 (Single Phase)



# Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEX ETL 20.0063X</b>	<b>Issue No. 01</b>
<b>Annex No. 1</b>		

### General product information:

The products are a series of instrumentation lights that provide illumination for various types of measurement/monitoring items. The products are intended to be fixed installation. The products require field connection to external supply (Mains Power). The products include an Ex db [ib] power supply and Ex ib Light Assembly with a specific interconnecting cable at up to 22 Meters Long.

- EPL-100- : Jerguson LumaStar (SERIES): Aluminum;
  - Linear Light: Varying LED Assembly Lengths: 4" – 60";
  - Based On: PCB Assemblies Lengths: 4", 6", 8", 10", 12";
  - followed by 1 to 99: Size of Gauge Glass Window;
  - followed by -1,-2: -1 = 115V Power Supply, -2 = 230V Power Supply;
  - followed by -1 to -99: Number of Gauge Sections;
  - followed by -1 to -99: Mounting Brackets;
  - may be followed by -D or -R: -D = Daisy Chain, -R = Remote Power Supply;
  - followed by -X: ATEX/IECEX.
- EPL-316- : Jerguson LumaStar (SERIES): Stainless Steel;
  - Linear Light: Varying LED Assembly Lengths: 4" – 60";
  - Based On: PCB Assemblies Lengths: 4", 6", 8", 10", 12";
  - followed by 1 to 99: Size of Gauge Glass Window;
  - followed by -1,-2: -1 = 115V Power Supply, -2 = 230V Power Supply;
  - followed by -1 to -99: Number of Gauge Sections;
  - followed by -1 to -99: Mounting Brackets;
  - may be followed by -D or -R: -D = Daisy Chain, -R = Remote Power Supply;
  - followed by -X: ATEX/IECEX.
- TIK-PH- : Jacoby Tarbox Phaeton (SERIES): Aluminum;
  - Round Light Assembly;
  - followed by SL or HL: SL = STANDARD LIGHT W/ STANDARD MOUNTING, HL = HYGENIC LIGHT W/ HYGENIC MOUNTING;
  - followed by -L or -S: L = ALUMINUM LIGHT BODY, S = STAINLESS LIGHT BODY;
  - followed by -1 or -2: -1 = 115V Power Supply, -2 = 230V Power Supply;
  - followed by -1 to -99: Cord Length (72' MAX);
  - followed by -X: ATEX/IECEX.
- A30335- : Jerguson NightStar (SERIES): Aluminum;
  - Linear Light with Ruler: Varying LED Assembly Lengths: 12" – 168";
  - Based On: PCB Assemblies Lengths: 3", 6", 12";
  - followed by 1 or 2: -1 = 115V Power Supply, -2 = 230V Power Supply;
  - followed by -001 to -240: Length;
  - may be followed by I, M, %, or B: I = Foot/Inch Length Units, M = Metric Length Units, % = Percent Length Units, B = Blank/Custom Units;
  - may be followed by N, F, or P: N = Non-Frost Extension, F = Float Failure, P = Purge Kit.
- RDX5000- : Reliance DuraStar (SERIES): Aluminum;
  - Linear Light: Varying LED Assembly Lengths: 11.75"-19";
  - Based On: PCB Assemblies Lengths: 10.75",12",13.5",14.5",15.5",16.25",17",18";
  - followed by 0 to 9: Gauge Manufacturer Code;
  - followed by -0 to -9: Gauge Size;
  - followed by -1 or -2: -1 = 115V Power Supply, -2 = 230V Power Supply;
  - followed by -H: Hazardous Locations Model;
  - followed by -1 to -99: Gauge Pressure.

Certificate issued by:



Total Quality. Assured.

**Intertek NA Inc.**  
**3933 US Route 11; Cortland NY**  
**13045-2995; USA**

SFT-IECEX-OP-19f (26 October 2018)



## Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	<b>IECEx ETL 20.0063X</b>	<b>Issue No. 01</b>
<b>Annex No. 1</b>		

### Details of change (applicable only when revising an existing ExTR package):

Change Markings: ATEX NB # From 0359 to 2575.

### “Specific Conditions of Use”

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Certificate issued by:

**intertek**

Total Quality. Assured.

Intertek NA Inc.  
3933 US Route 11; Cortland NY  
13045-2995; USA

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## Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ETL 20.0063X	Issue No. 01
Annex No. 1		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*LABEL: POWER SUPPLY: ATEX/IECEX LUMASTAR	V-20831-EX	2	01/25/2021
*LABEL: POWER SUPPLY: ATEX/IECEX LUMASTAR	V-22622-EX	1	01/25/2021
*LABEL: RATING:ATEX/IECEX LUMASTAR	V-20832-EX	2	01/25/2021
*LABEL: POWER SUPPLY: ATEX/IECEX PHAETON	A-5137	2	01/25/2021
*LABEL: LIGHT: ATEX/IECEX PHAETON SL/HL	A-5138	2	01/25/2021
*LABEL: POWER SUPPLY: ATEX/IECEX NIGHTSTAR	V-21374	2	01/26/2021
*LABEL: RATING: ATEX/IECEX NIGHTSTAR	V-21375	2	01/26/2021
*LABEL: POWER SUPPLY: HAZ LOC: ATEX/IECEX DURASTAR	DX9000-A	2	01/25/2021
*LABEL: RATING: HAZ LOC: ATEX/IECEX DURASTAR	DX9001-A	2	01/25/2021
*Illuminator, Control & Installation	CI-26677	2	01/26/2021

*Note: An \* is included before the title of documents that are new or revised.*