



JACOBY-TARBOX®

A Division Of The Clark-Reliance Corporation

Over 80 years of Quality!

Lumenator® XP-2000 Fiber Optic Illuminator

Section: T100
Bulletin: T100.105
Date: 11/00
Supersedes: NEW

A Revolutionary New Concept in Sight Flow Indicator Illumination – Reduced Power Consumption

- The Jacoboy-Tarbox **Lumenator® XP-2000** uses a 5 VAC (4.85 watts) gas filled lamp that has a standard life of 15,000 hours, unlike competitive sight lights that use standard fluorescent and halogen bulbs with an average life of less than 3,000 hours.
- Along with extended life, the Jacoboy-Tarbox **Lumenator® XP-2000** uses a patented woven fiber optic strip that ensures a smooth, even back light. This illuminates the window without staring into a blinding, bare light source.
- The light source is contained within a NEMA 4, 4X, and 7 anodized aluminum housing UL Approved for Class 1 & 2, Division 1, Group A, B, C, & D. A Cenelec Rated housing to Eexd II B + H2T6, and IP 66 per IEC 529 is available at no extra cost when required.
- The **Lumenator® XP-2000** can easily be wired for 115, 120, 230, or 240 VAC.
- Virtually maintenance free! Lights can be changed without disconnecting the power or removing the **Lumenator® XP-2000** from the sight flow indicator. No more problems with manipulating large housings or living with short bulb life.
- Easily installed on existing Jacoboy-Tarbox or other manufacturer's sight flow indicators! Installation is as simple as hooking on two springs, slipping the mounting bracket over the retainer and securing it, and connecting the power. The retainers do not need to be removed.
- Ideal back-lighting for enhanced viewing of flapper, drip, rotary, or plain sight flow indicators with transparent to semi-opaque process fluids. See the application recommended in the table on the back of this brochure.

Code Numbers for Temperature Ranges:

CODE NUMBER	°F	°C
T1	842	450
T2	572	300
T2A	536	280
T2B	500	260
T2C	446	230
T2D	419	215
T3	392	200
T3A	356	180
T3B	329	165
T3C	320	160
T4	275	135
T4A	248	120
T5	212	100
(¹)T6 (XP2000 Unit)	185	85

¹T rating as measured in ____°F (____°C) ambient temperature.



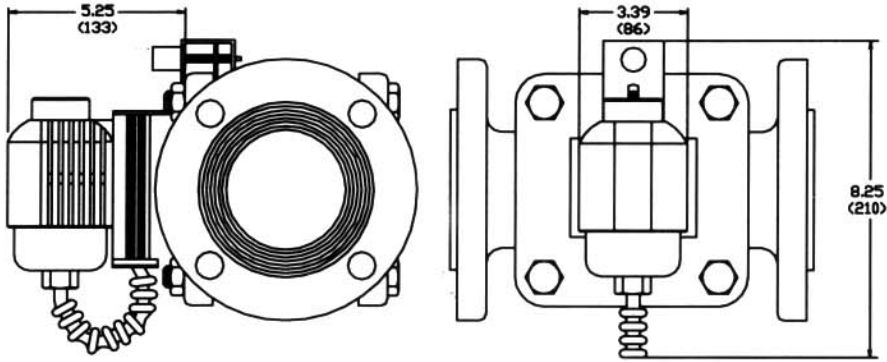
Don't be left out in the dark!
**Make sure to specify the Jacoboy-Tarbox
Lumenator® XP-2000 for all your sight flow
indicator illumination needs!**

Specifications

Power Supply:	115 or 230 VAC @ 50-60 Hz 120 or 240 VAC @ 50-60 Hz
Output:	5 VAC @ 1 Amp
Consumption:	115/120 VAC = .04 Amp 230/240 VAC = .02 Amp
Est. Lamp Life:	15,000 Hours
Panel Output:	
Enclosure:	Anodized Aluminum NEMA 4, 4X, 7 UL Approved, Class 1 & 2, Div. 1, Groups A, B, C, & D Cenelec Rates (If Specified) EExd II B + H2 T6 ⁽¹⁾ IP 66 per IEC 529
Lamp:	4.85 Watt, Gas Filled
Electrical Connection:	3/4" or 1" NPT, Female

PATENT # 5,645,336

Dimensional Data Inches (mm)



How To Specify:

(Example is a 115 VAC w/ 3/4" Connection for a 2" ASME CL150 Jacoby-Tarbox 910-FA)

TIK - 2000 - 1 - 1 - 1

Unit Info.

- (1) → 1" - 2" Std. ASME CL 150 Jacoby-Tarbox SFI
- (2) → 2 1/2" - 4" Std. ASME CL 150 Jacoby-Tarbox SFI
- (3) → 6" Std. ASME CL 150 Jacoby-Tarbox SFI
- (*) → Consult Factory for other sizes / manufacturers

Unit Info.

- (1) → Sight Flow Indicator Size: 1" - 2"
- (2) → Sight Flow Indicator Size: 2 1/2" - 6"
- (*) → Consult Factory for other sizes / manufacturers

Wiring Info.

- (1) → Prewired for 115 VAC w/ 3/4" Connection
- (2) → Prewired for 115 VAC w/ 1" Connection
- (3) → Prewired for 230 VAC w/ 3/4" Connection
- (4) → Prewired for 230 VAC w/ 1" Connection
- (5) → Prewired for 115 VAC w/ 3/4" Connection & Cenelec Rated
- (6) → Prewired for 115 VAC w/ 1" Connection & Cenelec Rated
- (5) → Prewired for 115 VAC w/ 3/4" Connection & Cenelec Rated
- (6) → Prewired for 115 VAC w/ 1" Connection & Cenelec Rated
- (9) → Not Wired w/ 3/4" Connection (Customer supplied wiring)
- (10) → Not Wired w/ 1" Connection (Customer supplied wiring)

Model Information⁽³⁾

Jacoby-Tarbox Lumenator XP-2000

⁽³⁾ Plant safety engineer is responsible for determining suitability of the unit for use in any particular hazardous location. Jacoby-Tarbox is a registered trademark of The Clark•Reliance Corp. Lumenator is a trademark of The Clark•Reliance Corp.

Applications	1"	1 1/2"	2"	3"	4"	6"
AIR	BEST	BEST	BEST	BEST	BEST	BETTER
WATER (clean)	BEST	BEST	BEST	BEST	BEST	BETTER
LIGHT OIL	BEST	BEST	BEST	BETTER	GOOD	GOOD
WATER (dirty)	BETTER	BETTER	BETTER	GOOD	GOOD	N/A
MOTOR OIL	GOOD	GOOD	GOOD	N/A	N/A	N/A
CRUDE OIL	N/A	N/A	N/A	N/A	N/A	N/A



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