

## **Arrow Flash T2**

**(type 2 - „curved“ type)**

**Navigation + Position + Strobe LED Light for UL Aircraft**



## Description:

Arrow Flash LED lights are intended to be used as an anticollision system for UL aircrafts. They are usually installed as a set: two wingtip units and optionally one rudder unit. All units can synchronize strobe bursts with each other. In case of not-used or broken synchronization wiring strobe function is still available (strobe bursts are not synchronized).

**THIS PRODUCT IS NOT APPROVED FOR INSTALLATION ON CERTIFIED AIRCRAFT. THIS IS NOT A TSO CERTIFIED LIGHT.**

## Wingtip unit specification:

Parameter	Value	Units	Note
Operating Voltage	9 ÷ 18	VDC	Reverse polarity protected, undervoltage protected
Current consumption (pos/nav)	0.35	A	@12VDC
Current consumption (strobe)	2.5	A	@12VDC during the light burst
Input power (pos/nav)	4	W	@12VDC
Input power (strobe)	30	W	@12VDC during the light burst
Strobe Repetition Rate	1.2	sec	
Dimensions	112x33x26	mm	
Weight	59	g	
Conductors length	280	mm	20AWG

## Tail/Rudder unit specification:

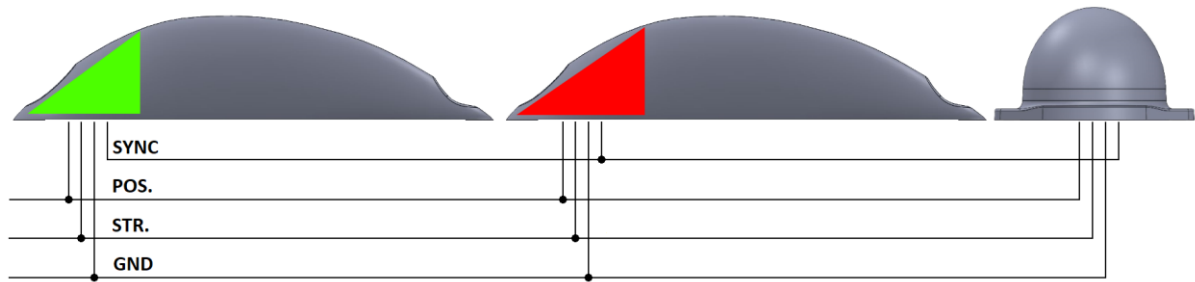
Parameter	Value	Units	Note
Operating Voltage	9 ÷ 18	VDC	Reverse polarity protected, undervoltage protected
Current consumption (pos/nav)	0,25	A	@12VDC
Current consumption (strobe)	2,5	A	@12VDC during the light burst
Input power (pos/nav)	3	W	@12VDC
Input power (strobe)	30	W	@12VDC during the light burst
Strobe Repetition Rate	1,2	s	
Dimensions	55x41x33	mm	
Weight	36	g	
Conductors length	280	mm	20AWG

## Conductors labeling and wiring:

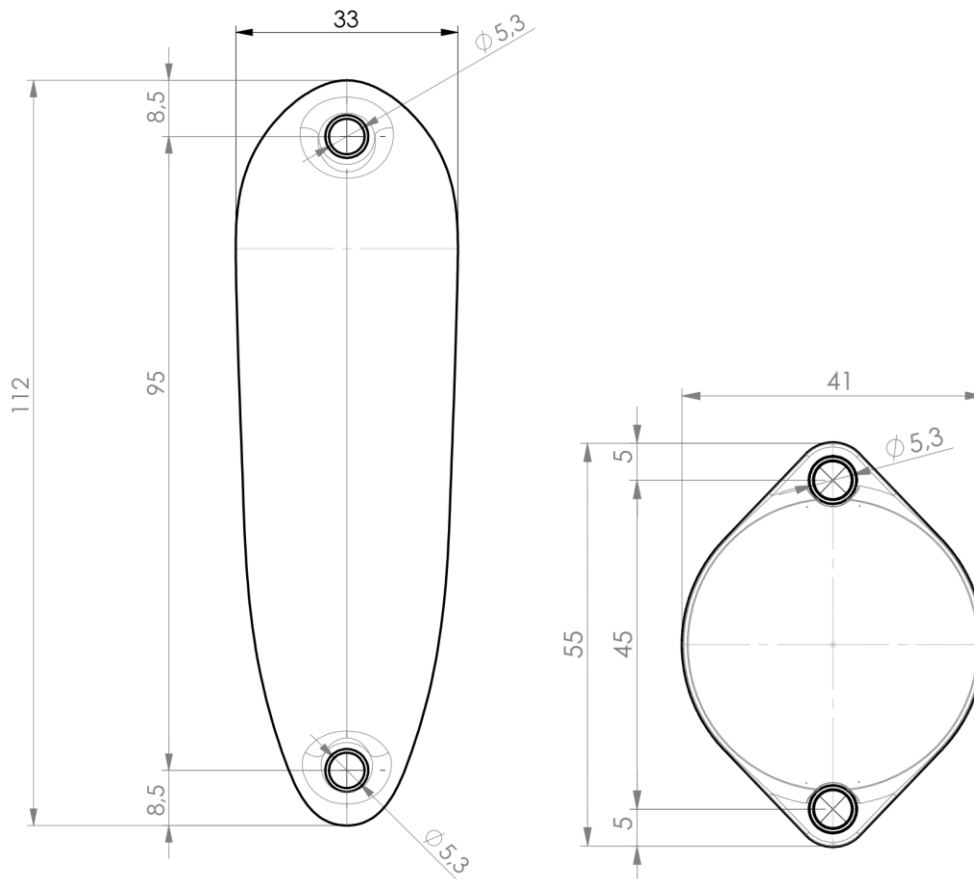
Conductor label	Wire to	Note
GND	ground	
POS.	Positive for Position / Navigation	
STR.	Positive for Strobe	
SYNC	Synchronization	



**Wiring diagram:**



**Dimensions:**



## Operating conditions:

Parameter	Value	Unit	Note
Working temperature	-30...+60	°C	Integrated overheat protection
Humidity	20...80	%	
Atmospheric pressure	800...1120	hPa	
IP	IP65	-	proper installation must be observed
Mounting type	To surface	-	
Working positions	any	-	

## Important notes and warnings

Thank you for purchasing **Arrow Flash T2**. For a comfortable and safe use of this product, please pay attention to THE ENTIRE MANUAL, especially the notes and warnings below.

- Although the **Arrow Flash T2** unit has been thoroughly tested to ensure maximum safety in all conceivable situations, THE RIGHT FUNCTIONALITY DEPENDS ON THE RIGHT INSTALLATION AND SETTINGS.
- Therefore, it is **NECESSARY to READ CAREFULLY and UNDERSTAND THIS MANUAL COMPLETELY**.
- Keep this manual printed in an airplane for cases of emergency or change of ownership.
- **THIS PRODUCT IS NOT APPROVED FOR INSTALLATION IN CERTIFIED AIRPLANES.**
- The pilot **MUST UNDERSTAND** the control of this product before the first flight. **DO NOT** use the product unless you are sure how it works!
- Do not allow unauthorized persons to handle the installed product.
- After installing the product, before the first flight, turn on ALL possible sources of electromagnetic interference on board the aircraft and ensure that the instrument is functioning properly.
- Use of the device in conflict with this manual, with bad wiring, outside the allowed operating conditions, etc., may cause the device to malfunction or damage and endanger flight safety.
- If the product repeatedly indicates an error, do not use it and turn off the power!
- AVOID contact with liquids and chemicals
- Before installation, check the mechanical integrity of the device and its accessories
- **DO NOT** disassemble the device!
- After installation, carefully check the functionality of the device and its installation
- The responsibility for the installation is entire with the installer.
- Responsibility for performing control actions based on information indicated by the product is full of the operator (pilot). The operator must be able to evaluate an incorrect indication even if the product does not indicate an error.
- Ensure regular maintenance of the aircraft's main battery
- If you do not agree to the notes and warnings above, do not use this product.

Company **LAMBERT AERODEVICES s.r.o** reserves the right to change or improve the product or manual without prior or subsequent notice.

**Document history:**

<i>Date (DMY)</i>	<i># Rel</i>	<i>Description</i>	<i>Author</i>
27.8.2019	1	First release of the document	ATAMAN
18.08.2022	2	Insert important notes and warnings, new parameters, LA	NEPOR
10.02.2023	3	Text correction.	NEPOR



[www.lambert-aerodevices.cz](http://www.lambert-aerodevices.cz)