



MINISTERIO  
DE INDUSTRIA, COMERCIO Y  
TURISMO

DIRECCIÓN GENERAL DE INDUSTRIA Y  
DE LA PEQUEÑA Y MEDIANA EMPRESA

SUBDIRECCIÓN GENERAL DE  
CALIDAD Y SEGURIDAD INDUSTRIAL

E9\*23R00/22\*22500\*00

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COMUNICACIÓN / COMMUNICATION:

Concerniente a <sup>(1)</sup>: LA CONCESIÓN DE HOMOLOGACIÓN  
LA EXTENSIÓN DE HOMOLOGACIÓN  
LA DENEGACIÓN DE HOMOLOGACIÓN  
LA RETIRADA DE HOMOLOGACIÓN  
EL CESE DEFINITIVO DE PRODUCCIÓN

Concerning <sup>(1)</sup>: APPROVAL GRANTED  
APPROVAL EXTENDED  
APPROVAL REFUSED  
APPROVAL WITHDRAWN  
PRODUCTION DEFINITELY DISCONTINUED

de un tipo de luz de marcha atrás en aplicación del Reglamento N°23.  
*of a type of reversing lamp pursuant to Regulation No.23.*

N° de homologación / Approval No.: E9\*23R00/22\*22500\*00

Extensión N° / Extension No.: ---

de un tipo de luz de maniobra en aplicación del Reglamento N°23.  
*of a type of manoeuvring lamp pursuant to Regulation No.23.*

N° de homologación / Approval No.: E9\*23R00/22\*xxxx\*00

Extensión N° / Extension No.: ---

1. Marca de fábrica o comercial del dispositivo / Trade name or mark of the device:  
FRISTOM
2. Designación del tipo de dispositivo dado por el fabricante / Manufacturer's name for the type of device:  
FT-500
3. Nombre y dirección del fabricante / Manufacturer's name and address:  
FRISTOM SPÓLKA Z OGRANICZONA  
ODPOWIEDZIALNOSCIA SPÓLKA  
KOMANDYTOWA  
UL. PRZEMYSŁOWA 5, 86-014  
85416 SICIENKO  
SICIENKO (POLONIA)
4. En su caso, nombre y dirección del representante del fabricante / If applicable, name and address of manufacturer's representative: ---
5. Dispositivo presentado a homologación el / Submitted for approval on: 17/09/2018
6. Servicio técnico encargado de los ensayos de homologación / Technical service responsible for conducting approval test: IDIADA
7. Fecha del informe emitido por dicho servicio / Date of report issued by that service: 19/09/2018
8. Número del informe emitido por dicho servicio / Number of report issued by that service: PC18080033

<sup>(1)</sup> Táchese lo que no proceda / Strike out what does not apply



E9\*23R00/22\*22500\*00

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9. Breve descripción / Concise description:

- Número, categoría(s) y tipo de la(s) fuente(s) luminosa(s) / *Number, category and kind of light source(s):*  
1xP21W
- Voltaje y potencia / *Voltage and wattage:* 24V 21W
- Aplicación de una guía de control electrónica / *Application of an electronic light source control gear:* ---
  - a) formando parte de la luz / *being part of the lamp:* ~~sí/yes~~ ~~no/no~~ <sup>(1)</sup>
  - b) no formando parte de la luz / *being not part of the lamp:* ~~sí/yes~~ ~~no/no~~ <sup>(1)</sup>
- Tensión(es) de entrada suministrada(s) por la guía de control electrónica de la(s) fuente(s) luminosa(s) / *Input voltage(s) supplied by an electronic light source control gear:* ---
- Fabricante de la guía de control electrónica de la(s) fuente(s) luminosa(s) y número de identificación (cuando la guía de control de la fuente luminosa forma parte de la luz pero no está incluida en el cuerpo de la luz) / *Electronic light source control gear manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body):* ---
- Módulo de fuente de luz / *Light source module:* ~~sí/yes~~ - no / no <sup>(1)</sup>
- Código de identificación específico del módulo de fuente de luz / *Light source module specific identification code:* ---
- Condiciones geométricas de instalación y variaciones relacionadas, en su caso / *Geometrical conditions of installation and relating variations, if any:* ---
- Para un tipo de luz de maniobra en aplicación del Reglamento N°23 párrafo 6.2.2. / *For a type of manoeuvring lamp pursuant to Regulation No. 23 paragraph 6.2.2.:*  
Altura máxima de montaje / *Maximum mounting:* ---
- La luz es sólo para uso en un vehículo equipado con un testigo que indique el fallo / *The lamp is only for use on a vehicle fitted with a tell-tale indicating failure:* ~~sí/yes~~ - no / no <sup>(1)</sup>

<sup>(1)</sup> Táchese lo que no proceda / *Strike out what does not apply*



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CALIDAD Y SEGURIDAD INDUSTRIAL

E9\*23R00/22\*22500\*00

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10. Posición de la marca de homologación / *Position of the approval mark*: Ver documentación suministrada por el fabricante / *See documentation supplied by the manufacturer*.
11. En el caso de una luz de marcha atrás, este dispositivo sólo puede instalarse en un vehículo, por pares: sí / ~~no~~ <sup>(1)</sup>  
/ *In the case of a reversing lamp, this device shall be installed on a vehicles only as part of a pair of devices: yes / no* <sup>(1)</sup>
12. Motivos de la extensión (en su caso) / *Reason(s) of extension (if applicable)*: ---
13. Se concede/~~deniega~~/~~extiende~~/~~retira~~ la homologación <sup>(1)</sup> / *Approval granted/~~refused~~/~~extended~~/~~withdrawn~~* <sup>(1)</sup>
14. Lugar / *Place*: Madrid
15. Fecha / *Date*: Ver firma electrónica / *See electronic signature*
16. Firma / *Signature*:  
  
EL SUBDIRECTOR GENERAL DE CALIDAD Y SEGURIDAD INDUSTRIAL  
Resolución P.D. del DIRECTOR GENERAL DE INDUSTRIA Y DE LA PYME de 25-10-2012
17. Se adjunta la lista de apartados que constituyen el expediente de homologación depositado en el servicio administrativo que ha concedido la homologación y que pueden ser obtenidos a petición. / *The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request*.
  - Informe del ensayo / *Test report*
  - Documentación suministrada por el fabricante / *Documentation supplied by the manufacturer*

<sup>(1)</sup> Táchese lo que no proceda / *Strike out what does not apply*

# INFORMATION FOLDER :

FIRST APPLICATION

DATE: 19.09.2018

## Specification data

|                       |                        |                                            |                           |                  |                     |                     |                     |                          |
|-----------------------|------------------------|--------------------------------------------|---------------------------|------------------|---------------------|---------------------|---------------------|--------------------------|
| Type                  |                        | FT-500                                     |                           |                  |                     |                     |                     |                          |
| Trade name or mark    |                        | Fristom                                    |                           |                  |                     |                     |                     |                          |
| Function              |                        | retro-reflecting devices                   | rear direction indicators | tail lamps       | stop lamps          | reversing lamps     | rear fog lamps      | Registrati on plate lamp |
| Color                 |                        | Red                                        | Amber                     | Red              | Red                 | White               | Red                 | white                    |
| Rated                 | Voltage                | NA                                         | 12/24 V                   | 12/24 V          | 12/24 V             | 12/24 V             | 12/24 V             | 12/24V                   |
|                       | Wattage                | NA                                         | 21W                       | 1,5/3 W          | 21W                 | 21W                 | 21W                 | 1,5 / 3W                 |
| Applicable Regulation |                        | R3 Class III                               | R6 Cat. 2a                | R7               | R7                  | R23                 | R38                 | R4                       |
| Location of marking   | Filament Lamp category | NA                                         | P21W Ba15S                | LED              | P21W Ba15S          | P21W Ba15S          | P21W Ba15S          | LED                      |
|                       |                        | NA                                         | Marked on reflector       | Marked on module | Marked on reflector | Marked on reflector | Marked on reflector | Marked on module         |
|                       | Trade mark             | Fristom                                    |                           |                  |                     |                     |                     |                          |
|                       |                        | Marked on reflex reflector under lampshade |                           |                  |                     |                     |                     |                          |

## 2. Construction and material

| Construction            | Material                         | Remarks           |  |
|-------------------------|----------------------------------|-------------------|--|
| Lampshade red           | PMMA                             | Red transparent   |  |
| Lampshade white         | PMMA                             | Transparent clear |  |
| Reflector               | PC white vacuum aluminium coated | silver            |  |
| Housing                 | ABS                              | black             |  |
| Reflex reflector        | PMMA                             | White transparent |  |
| Reflex reflector bottom | PC                               | white             |  |
| Tail light lampshade    | PC                               | Milky diffusive   |  |
| Tail light bottom       | PC                               | white             |  |

**FRISTOM**

spółka z ograniczoną odpowiedzialnością Sp.k.  
86-014 Sicienko, ul. Przemysłowa 5  
NIP: 5542925997, REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

PC18080033

3. Name and address of manufacturer :

**FRISTOM Spółka z ograniczoną odpowiedzialnością Spółka komandytowa**

86-014 Sicienko / Polska

ul. Przemysłowa 5

IDUE PL5542926937, KRS: 0000529238

Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41

4. Name and address of applicant:

**FRISTOM Spółka z ograniczoną odpowiedzialnością Spółka komandytowa**

86-014 Sicienko / Polska

ul. Przemysłowa 5

IDUE PL5542926937, KRS: 0000529238

Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41

Michał Dybicz Sicienko / POLAND 19.09.2018

*Dybicz*

**FRISTOM**

spółka z ograniczoną odpowiedzialnością Sp.k.  
86-014 Sicienko, ul. Przemysłowa 5  
NIP: 5542926937, REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sienko / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



Draw by: Michal Dypicz  
Date: 05-07-2018  
Sheet Nr. 1/12

Component

FT-500 - rear combination lamp

light source

filament and LED  
showed on drawing

sheet description

lamp overview  
This drawing is a part of the application for approval

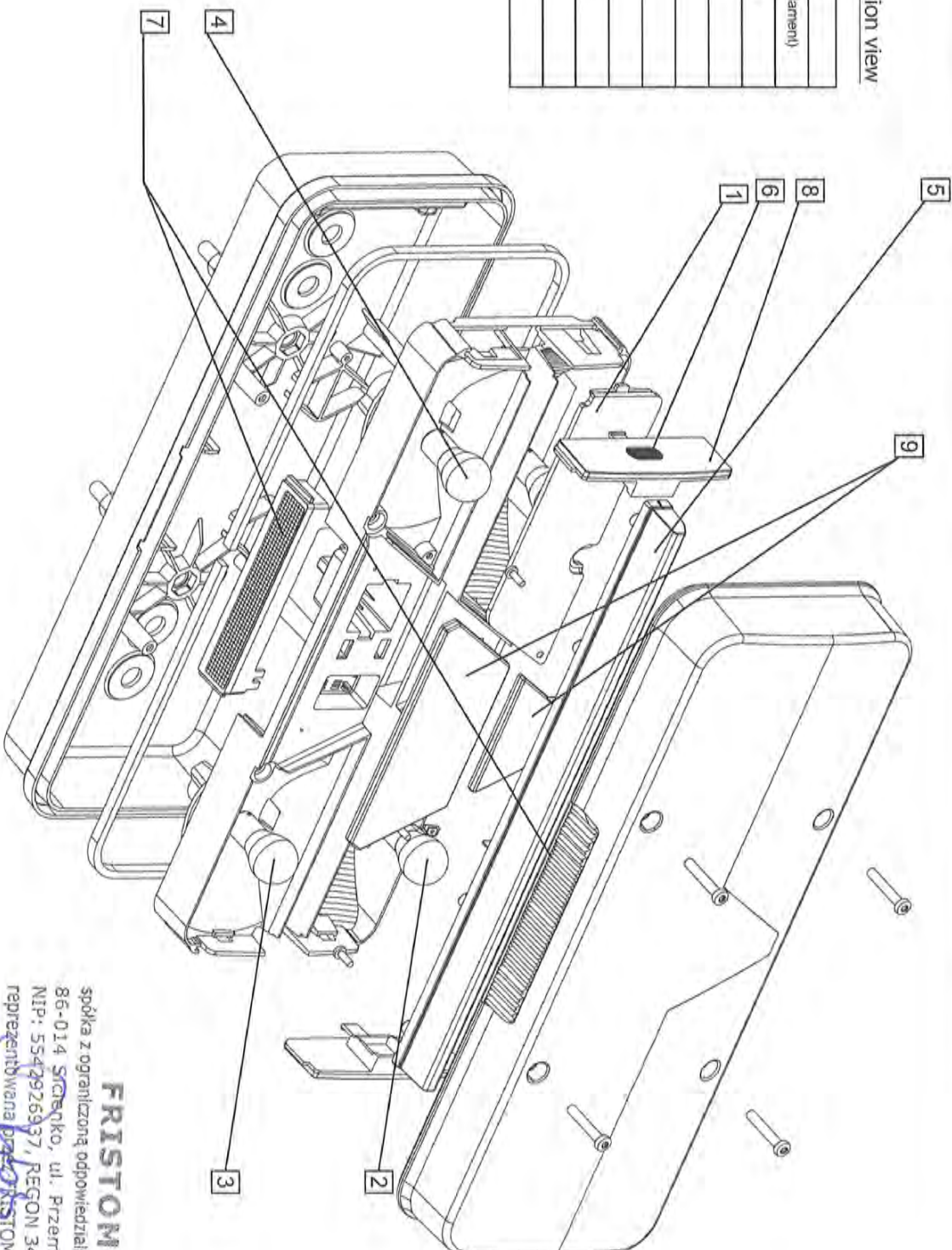
manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

Material used in

FT-500 LH isometric explosion view

| list of functions |                                             |
|-------------------|---------------------------------------------|
| 1                 | rear direction indicator 2a (P21W filament) |
| 2                 | reversing light AR (P21W filament)          |
| 3                 | rear fog light (P21W filament)              |
| 4                 | stop light (P21W filament)                  |
| 5                 | rear position light (LED)                   |
| 6                 | sidemarker red (LED)                        |
| 7                 | registration plate light (LED)              |
| 8                 | side reflex reflector IA                    |
| 9                 | side reflex reflector IIIA                  |



FRISTOM

spółka z ograniczoną odpowiedzialnością Sp.k.  
86-014 Sienko, ul. Przemysłowa 5  
NIP: 5542926937, REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

## Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp. z o.o.  
86-014 Sicienka / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529236  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



## Component

# FT-500 - rear combination lamp

Material used in manufacturing:

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

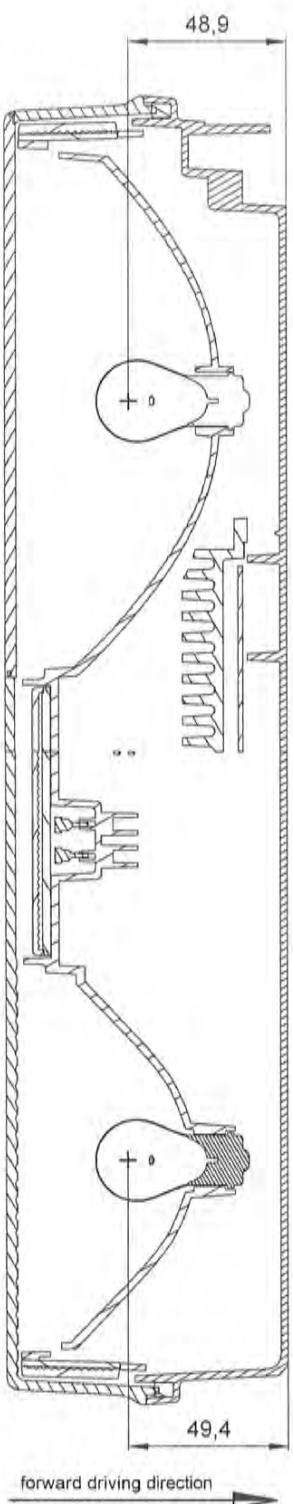
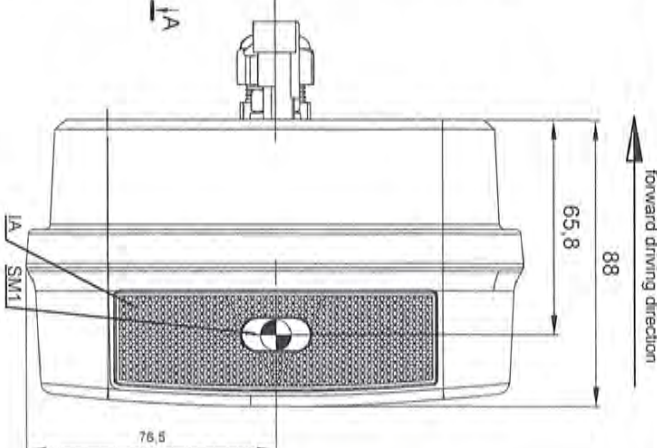
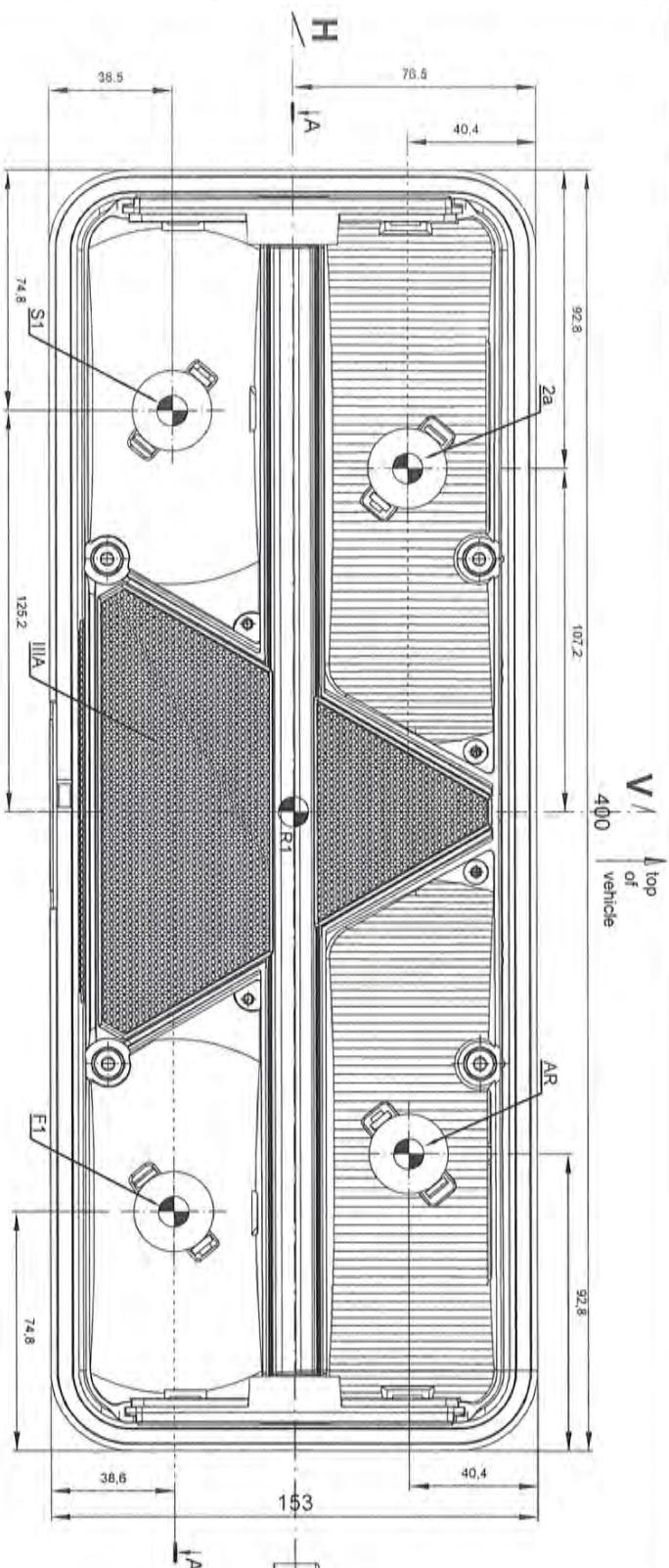
## light source

filament and LED  
shown on drawing

## sheet description

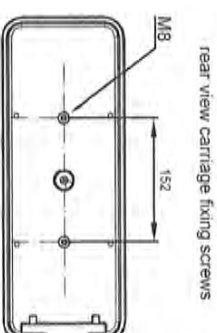
general drawing / lamp functions / assembly on vehicle  
This drawing is a part of the application for approval

Draw by: Michał Dypicz  
Date: 05-07-2018  
Sheet Nr. 2/12



LEFT HAND VERSION DRAWN  
ONLY HORIZONTAL ASSEMBLY ON TRAILER

functions shown : 2a,SM1,IA,IIIA,AR,F1,S1,R1



**FRISTOM**  
spółka z ograniczoną odpowiedzialnością Sp. z o.o.  
86-014 Sicienka / ul. Przemysłowa 5  
NIP: 5542926937 REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

# Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienka 5 / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



Draw by: **Date:** 05-07-2018 **sheet Nr.** 3/12

## Component

# FT-500 - rear combination lamp

## light source

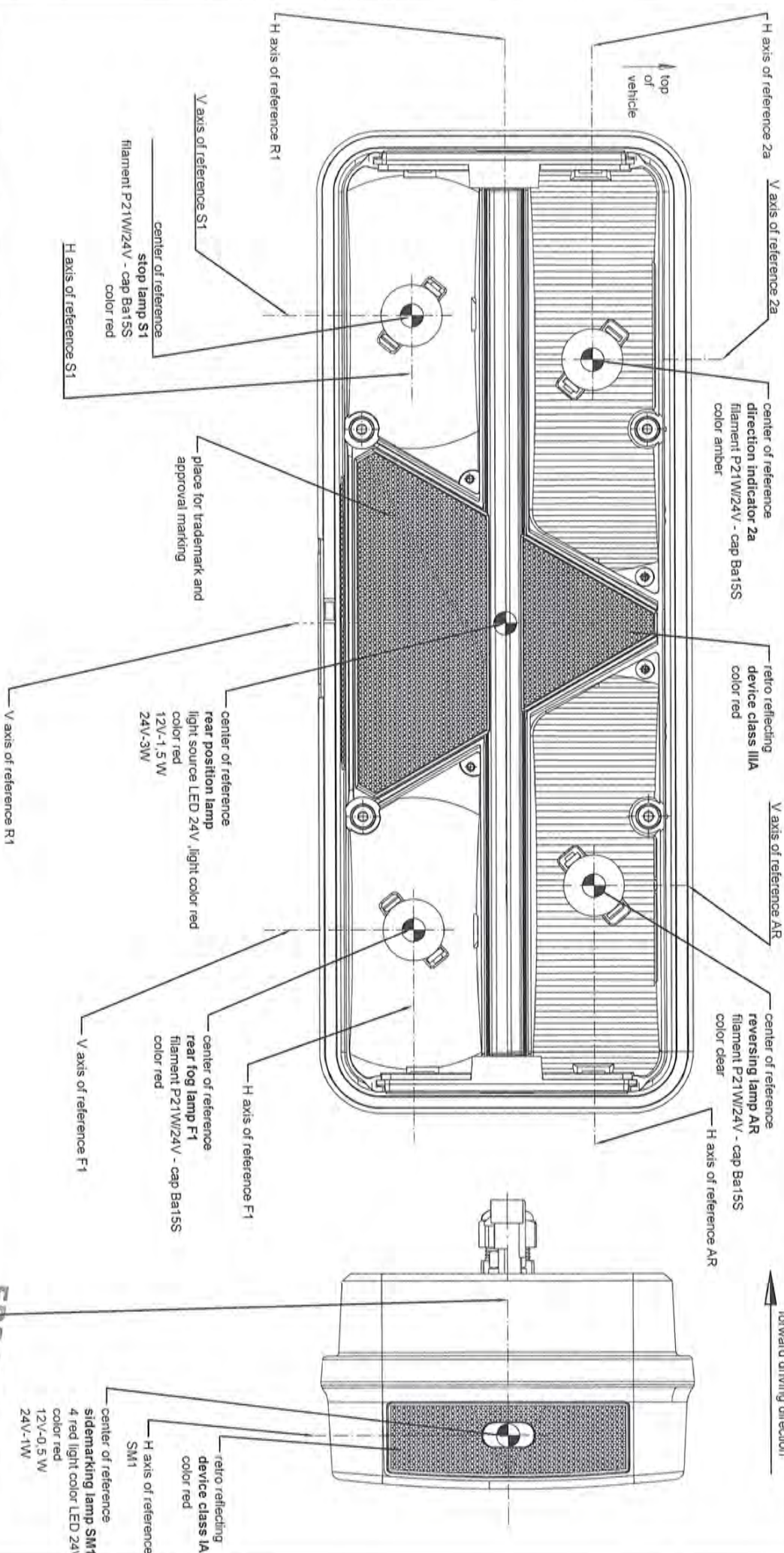
filament and LED  
showed on drawing

## sheet description

lamp functions and reference points  
This drawing is a part of the application for approval

## Material used in manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam



## LEFT HAND VERSION DRAWN

## ONLY HORIZONTAL ASSEMBLY ON TRAILER

functions shown : 2a,SM1,IA,IIIA,AR,F1,S1,R1

3300808130

Material used in manufacturing :

spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienka, ul. Przemysłowa 5  
NIP: 5542926937, REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Ścieienko / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
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**Component**

# FT-500 - rear combination lamp



**Draw by:** Michał Dybicz  
**Date:** 05-07-2018  
**Sheet Nr.** 4/12

**light source**

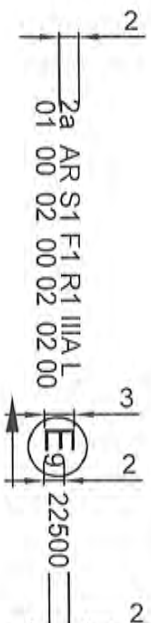
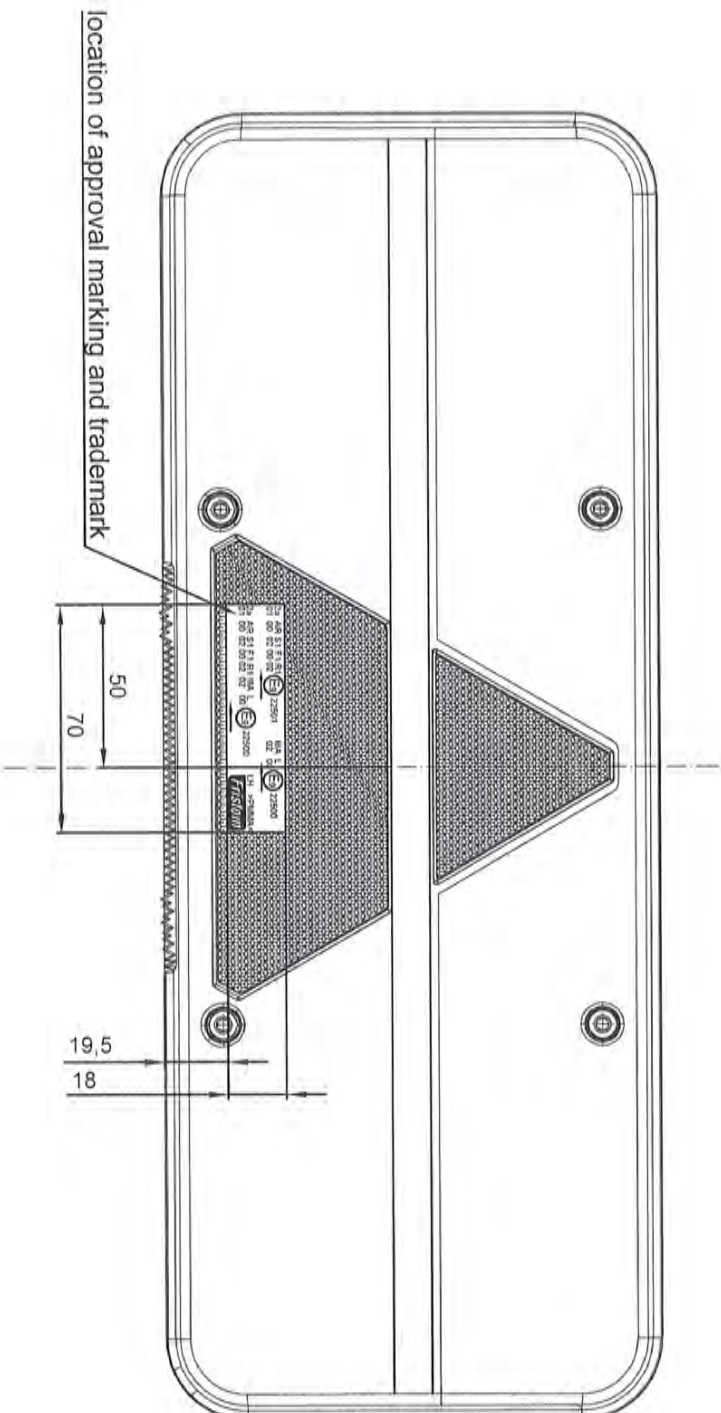
filament and LED  
showed on drawing

**sheet description**

trademark and approval markings  
This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam



LEFT HAND VERSION DRAWN  
ONLY HORIZONTAL ASSEMBLY ON TRAILER

**FRISTOM**  
spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Ścieienko / ul. Przemysłowa 5  
NIP: 5542926937 / REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

# Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienka 5 / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



**Draw by:** Michel Dybicz  
**Date:** 05-07-2018  
**sheet Nr.** 5/12

## Component

# FT-500 - rear combination lamp

### light source

filament and LED  
showed on drawing

### sheet description

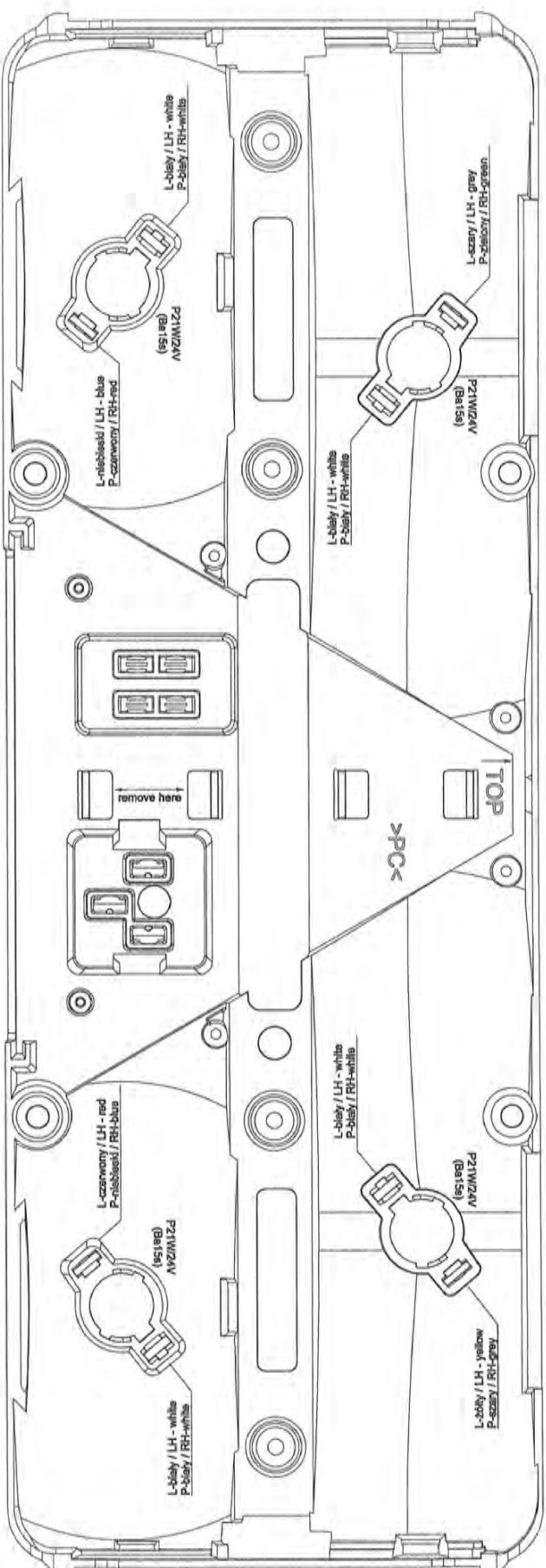
wattage and voltage markings  
This drawing is a part of the application for approval

Material used in:  
**ADVIGI**

### manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

filament cap , wattage and voltage markings on rear reflector side



**FRISTOM**  
spółka z ograniczoną odpowiedzialnością  
86-014 Sicienka 5, ul. Przemysłowa 5  
NIP: 5542926937, REGON 141000000  
reprezentowana przez FRISTOM Sp. z o.o.

Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp. z o.o.  
86-014 Ścieżkowo / Polska  
ul. Przemysłowa 5  
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Draw by: Michal Dybicz  
Date: 05-07-2018  
sheet Nr. 6/12

Component

FT-500 - rear combination lamp

light source

filament and LED  
showed on drawing

sheet description

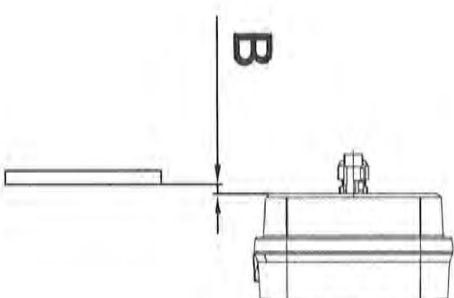
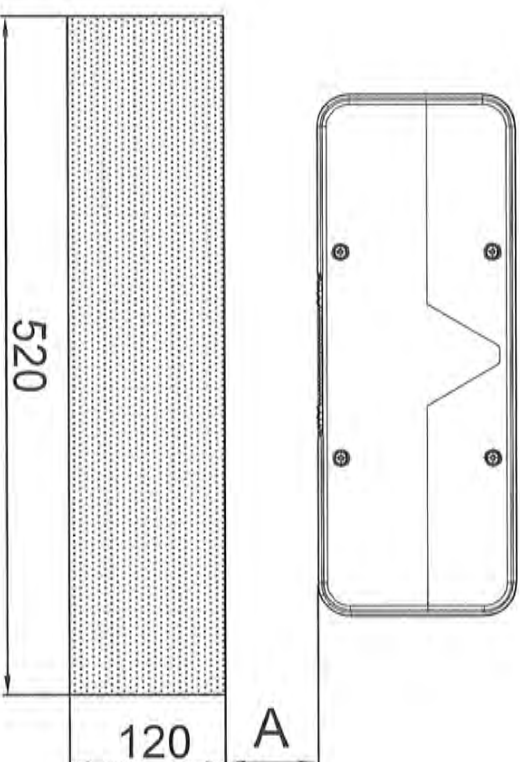
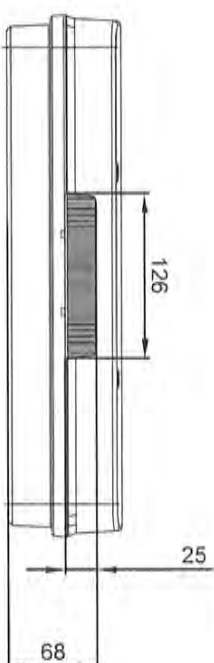
wattage and voltage markings  
This drawing is a part of the application for approval

Material used in manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS , vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

registration plate light lamp positioning

| A [mm] | B [mm] |
|--------|--------|
| 36     | 0      |
| 10     | 0      |
| 36     | 10     |
| 10     | 10     |



FRISTOM

spółka z ograniczoną odpowiedzialnością Sp. z o.o.  
86-014 Ścieżkowo, ul. Przemysłowa 5  
NIP: 5542926937, REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

## Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.k.  
86-014 Ścieienko / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



**Draw by:** Michał Dybicz  
**Date:** 05-07-2018  
**sheet Nr.** 7/12

## Component

# FT-500 - rear combination lamp

## light source

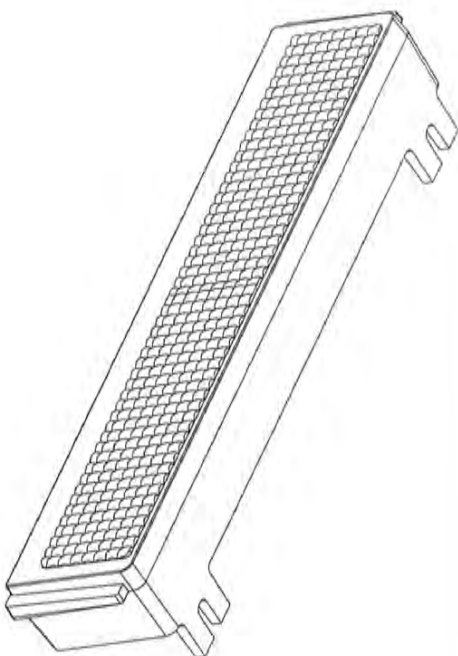
filament and LED  
showed on drawing

## sheet description

LED registration plate light module  
This drawing is a part of the application for approval

## Material used in:

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

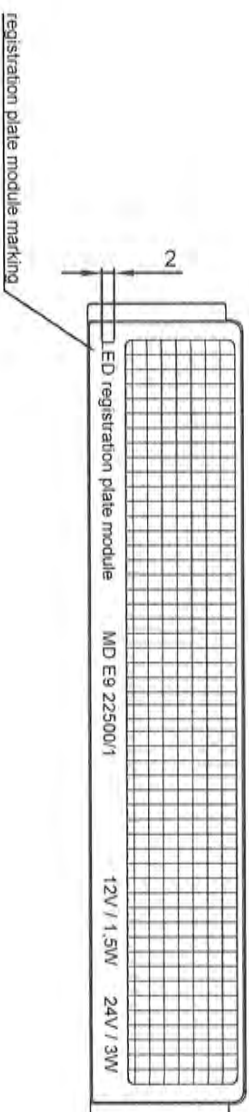


LED Registration plate light module  
6 white light color LED's

3 LED's serial connected in 2 parallel sections

12V / 1,5W

24V / 3W



**FRISTOM**

spółka z ograniczoną odpowiedzialnością Sp.k.  
86-014 Ścieienko, ul. Przemysłowa 5  
NIP: 5542926937 / REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienka / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



**Component**

# FT-500 - rear combination lamp

Material used in  
**ADV IQ**  
manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

**light source**

filament and LED  
showed on drawing

**sheet description**

LED sidemarking light module with markings  
This drawing is a part of the application for approval

**Draw by:**

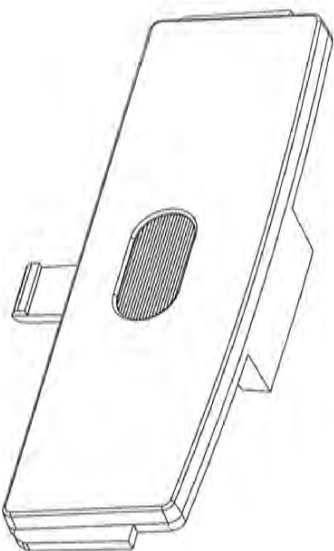
Michał Dypicz

**Date:**

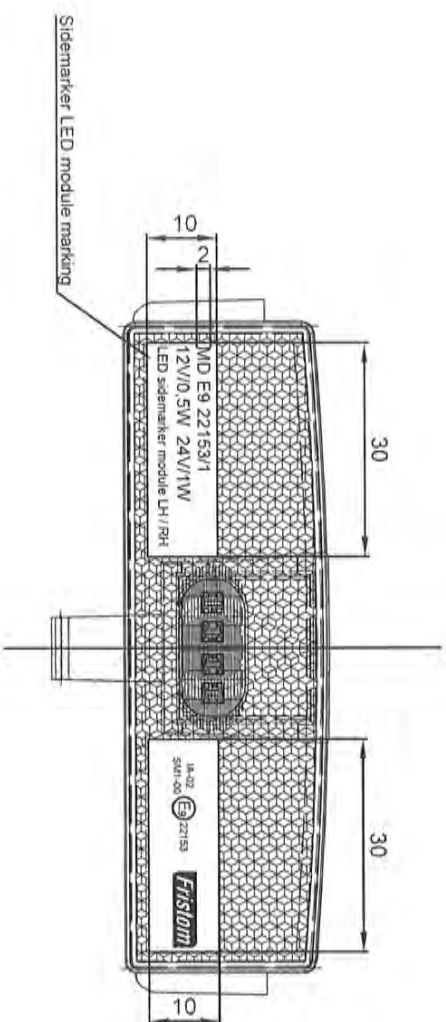
05-07-2018

**Sheet Nr.**

8/12



LED sidemarking module  
4 red light color LED's  
4 LED's serial connected in one section  
12V/0.5W 24V/1W



**FRISTOM**

spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienka / ul. Przemysłowa 5  
NIP: 5542926937 / REGON 341640907  
reprezentowana przez FRISTOM sp. z o.o.

Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienko / Polska  
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Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41

Component

FT-500 - rear combination lamp

Material used in manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam



Draw by: **Date:** 05-07-2018 **sheet Nr.** 9/12

**light source**  
filament and LED  
showed on drawing

**sheet description**  
LED rear position light module  
This drawing is a part of the application for approval

LED rear position light module  
24 red light color LED's  
4 LED's serial connected in 6 parallel sections  
12V/1,5W 24V/3W

R1 LED module marking



detail A

α

R1 LED module marking

spółka z ograniczoną odpowiedzialnością Sp.k.  
86-014 Sicienko, ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
reprezentowana przez FRISTOM sp. z o.o.

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# Manufacturer

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**Draw by:** Michał Dycisz  
**Date:** 05-07-2018  
**sheet Nr.** 10/12

# Component

## FT-500 - rear combination lamp

### light source

filament and LED  
showed on drawing

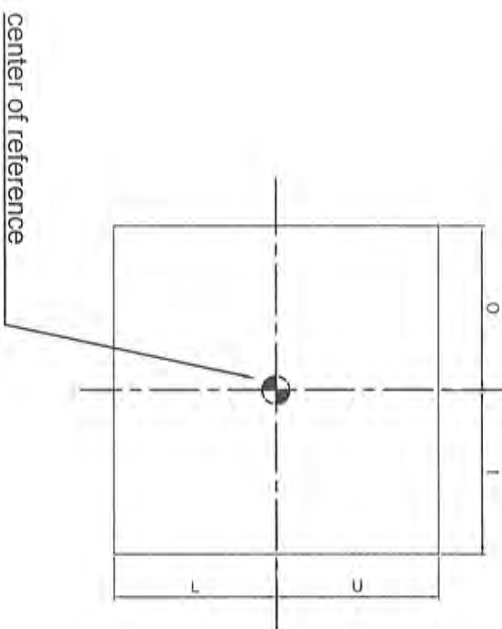
### sheet description

#### illuminating surfaces

This drawing is a part of the application for approval

### material used in manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS , vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam



| lighting surface                            |                  |                  |                  |                  |
|---------------------------------------------|------------------|------------------|------------------|------------------|
| function                                    | Upper limit (mm) | Lower limit (mm) | Outer limit (mm) | Inner limit (mm) |
| rear direction indicator 2a (P21W filament) | 26               | 26               | 80               | 80               |
| reversing light AR (P21W filament)          | 26               | 26               | 80               | 80               |
| rear fog light (P21W filament)              | 27               | 27               | 55               | 55               |
| stop light (P21W filament)                  | 27               | 27               | 55               | 55               |
| rear position light (LED)                   | 7                | 7                | 177              | 177              |
| sidemarker red (LED)                        | 11               | 11               | 5                | 5                |
| registration plate light (LED)              | 12               | 12               | 63               | 63               |

Determining the lower , upper and lateral limits of the illumination surface of the lamp device.

According to European Directive 91/663/EEC , Annex I "Installation of lighting and light-signalling devices" clause 1.9.2.

According to ECE regulation 48/01 "Installation of light and light-signalling devices" clause 2.9.2.

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**Draw by:** Michał Dylcz  
**Date:** 05-07-2018  
**sheet Nr.** 11/12

# Component

## FT-500 - rear combination lamp

### light source

Filament and LED  
showed on drawing

### sheet description

#### variants

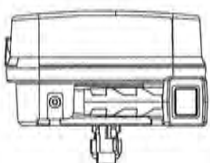
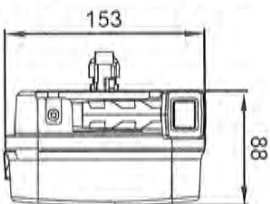
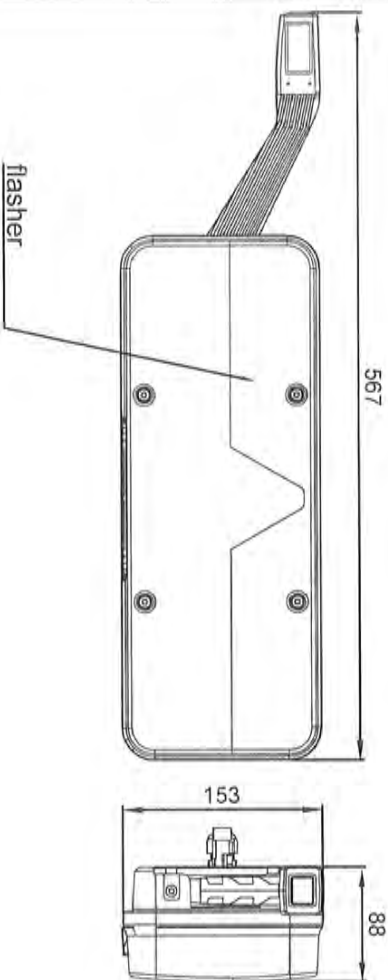
This drawing is a part of the application for approval

### manufacturing :

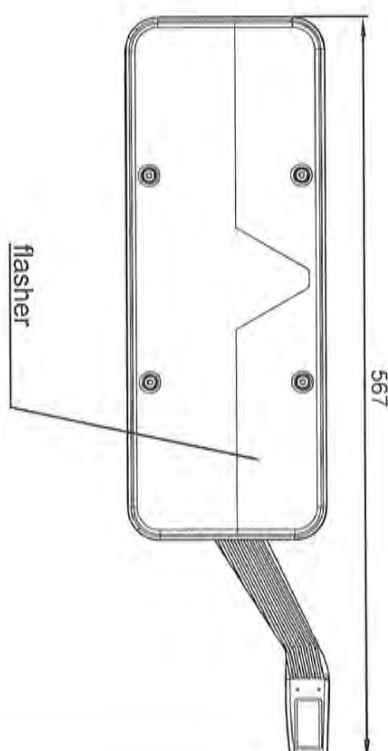
- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS - vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade housing sealing PU foam

### Variants of FT-500

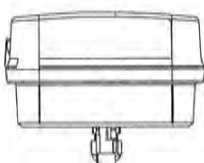
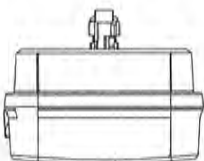
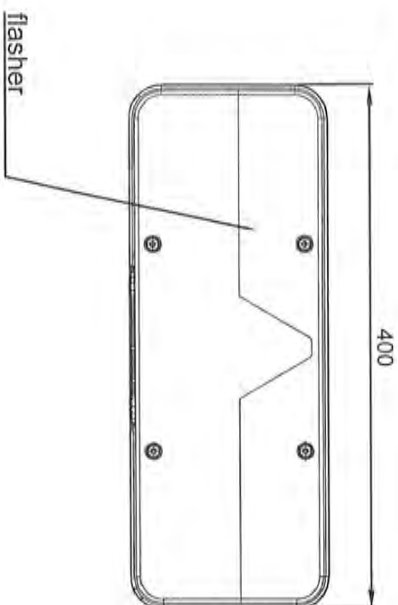
#### FT-500 LH with rubberarm lamp



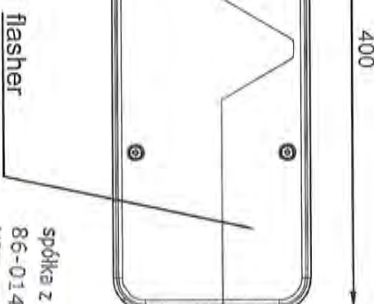
#### FT-500 RH with rubberarm lamp



#### FT-500 LH



#### FT-500 LH



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reprezentowana przez FRISTOM Sp. z o.o.

3300808130

Material used in ADVI!

# Manufacturer

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**Draw by:** Michał Dypicz  
**Date:** 05-07-2018  
**Sheet Nr.** 12/12

# Component

## FT-500 - rear combination lamp

### light source

filament and LED  
showed on drawing

### sheet description

#### variants

This drawing is a part of the application for approval

### Material used in

**ADVIGI**

### manufacturing :

- lampshade PMMA red transparent and clear transparent
- reflector base PC or ABS, vacuum Al coated
- reflex reflectors PMMA clear transparent
- direction indicator chamber filter PMMA amber transparent
- housing ABS black
- PCB for rear position light and side marker FR4
- potting compound epoxy resin
- filament contacts steel zinc coated
- lampshade-housing sealing PU foam

### Variants of FT-500

|               | LH | RH | rubberarm | registration<br>plate light | cable<br>connection | AMP<br>connector | AMP superSeal<br>connector | reversing warning<br>beeper |
|---------------|----|----|-----------|-----------------------------|---------------------|------------------|----------------------------|-----------------------------|
| FT-500-15     | X  |    |           |                             | X                   |                  |                            |                             |
| FT-500-145    | X  |    |           | X                           | X                   |                  |                            |                             |
| FT-500-157    | X  |    |           |                             | X                   |                  | X                          |                             |
| FT-500-1457   | X  |    |           | X                           | X                   |                  | X                          |                             |
| FT-500-16     | X  |    |           |                             |                     | X                |                            |                             |
| FT-500-146    | X  |    |           | X                           |                     | X                |                            |                             |
| FT-500-167    | X  |    |           |                             |                     | X                | X                          |                             |
| FT-500-1467   | X  |    |           | X                           |                     | X                | X                          |                             |
| FT-500-1678   | X  |    |           |                             |                     | X                | X                          | X                           |
| FT-500-14678  | X  |    |           | X                           |                     | X                | X                          | X                           |
| FT-500-135    | X  |    | X         |                             | X                   |                  |                            |                             |
| FT-500-1345   | X  |    | X         | X                           | X                   |                  |                            |                             |
| FT-500-1357   | X  |    | X         |                             | X                   |                  | X                          |                             |
| FT-500-13457  | X  |    | X         | X                           | X                   |                  | X                          |                             |
| FT-500-136    | X  |    | X         |                             |                     | X                |                            |                             |
| FT-500-1346   | X  |    | X         | X                           |                     | X                |                            |                             |
| FT-500-1367   | X  |    | X         |                             |                     | X                | X                          |                             |
| FT-500-13467  | X  |    | X         | X                           |                     | X                | X                          |                             |
| FT-500-13678  | X  |    | X         | X                           |                     | X                | X                          | X                           |
| FT-500-134678 | X  |    | X         | X                           |                     | X                | X                          | X                           |
| FT-500-25     | X  |    |           |                             | X                   |                  |                            |                             |
| FT-500-245    | X  |    |           | X                           | X                   |                  |                            |                             |
| FT-500-257    | X  |    |           |                             | X                   |                  | X                          |                             |
| FT-500-2457   | X  |    |           | X                           | X                   |                  | X                          |                             |
| FT-500-26     | X  |    |           |                             |                     | X                |                            |                             |
| FT-500-246    | X  |    |           | X                           |                     | X                |                            |                             |
| FT-500-267    | X  |    |           |                             |                     | X                | X                          |                             |
| FT-500-2467   | X  |    |           | X                           |                     | X                | X                          |                             |
| FT-500-2678   | X  |    |           |                             |                     | X                | X                          | X                           |
| FT-500-24678  | X  |    |           | X                           |                     | X                | X                          | X                           |
| FT-500-235    | X  |    | X         |                             | X                   |                  |                            |                             |
| FT-500-2345   | X  |    | X         | X                           | X                   |                  |                            |                             |
| FT-500-2357   | X  |    | X         |                             | X                   |                  | X                          |                             |
| FT-500-23457  | X  |    | X         | X                           | X                   |                  | X                          |                             |
| FT-500-236    | X  |    | X         |                             |                     | X                |                            |                             |
| FT-500-2346   | X  |    | X         | X                           |                     | X                |                            |                             |
| FT-500-2367   | X  |    | X         |                             |                     | X                | X                          |                             |
| FT-500-23467  | X  |    | X         | X                           |                     | X                | X                          |                             |
| FT-500-23678  | X  |    | X         |                             |                     | X                | X                          | X                           |
| FT-500-234678 | X  |    | X         | X                           |                     | X                | X                          | X                           |

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