



MINISTERIO  
DE INDUSTRIA, COMERCIO Y  
TURISMO

SECRETARÍA GENERAL DE INDUSTRIA Y  
DE LA PEQUEÑA Y MEDIANA EMPRESA

DIRECCIÓN GENERAL DE INDUSTRIA Y  
DE LA PEQUEÑA Y MEDIANA EMPRESA



E9\*148R00/03\*1740\*01

Página / Page 1/5

COMUNICACIÓN / COMMUNICATION:

Concerniente a /  
Concerning: <sup>(1)</sup>

~~La concesión de homologación / Approval granted~~

~~La extensión de homologación / Approval extended~~

~~La denegación de homologación / Approval refused~~

~~La retirada de homologación / Approval withdrawn~~

~~El cese definitivo de producción / Production definitively discontinued~~

de un tipo de lámpara en aplicación del Reglamento UN N° 148 /  
of a type of lamp pursuant to UN Regulation No. 148

Lámpara /  
Lamp: <sup>(1)</sup>

~~Luz de la placa de matrícula trasera / Rear registration plate illuminating lamp~~

~~Indicador de dirección / Direction indicator lamp~~

~~Luz de pare / Stop lamp~~

~~Luz de posición / Position lamp~~

~~Luz de galibo / End-outline marker lamp~~

~~Luz de marcha atrás / Reversing lamp~~

~~Luz de maniobra / Manoeuvring lamp~~

~~Luz antiniebla trasera / Rear fog lamp~~

~~Luz de estacionamiento / Parking lamp~~

~~Luz de circulación diurna / Daytime running lamp~~

~~Luz de posición lateral / Side marker lamp~~

Categoría de la lámpara /  
Category of the lamp:

A, R1, SM1

Cambio de índice /  
Change index:

---

N° de homologación /  
Approval No:

E9\*148R00/03\*1740\*01

Identificador Único (si procede) /  
Unique Identifier (UI) (if  
applicable):

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





E9\*148R00/03\*1740\*01

Página / Page 2/5



1. Marca de fábrica o comercial de la lámpara / *Trade name or mark of the lamp:*  
FRISTOM
2. Tipo dado por el fabricante para la luz / *Manufacturer's name for the type of lamp:*  
FT-069 LED
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 (POLONIA)

Nota / *Note:* Este dispositivo puede ser fabricado en cualquiera de las Plantas de Fabricación que consten declaradas en el Anexo I del Certificado Conformidad Producción en vigor emitido por la UCA. / *This device may be manufactured in any of the Manufacturing Plants declared in Annex I of the Conformity Production Certificate in force issued by the UCA.*

4. Si procede, nombre y dirección del representante del fabricante / *If applicable, name and address of the manufacturer's representative:* ---
5. Dispositivo presentado a homologación el / *Submitted for approval on:* 13/04/2022
6. Servicio técnico encargado de los ensayos de homologación / *Technical Service responsible for conducting approval tests:* IDIADA
7. Fecha del informe emitido por dicho servicio / *Date of report issued by that Service:* 13/04/2022
8. Número del informe emitido por dicho servicio / *Number of report issued by that Service:* PC21110300, PC22040149
9. Breve descripción / *Concise description:*
  - 9.1. En caso de / *In case of*
    - 9.1.1. Una luz de la placa de matrícula trasera / *A rear-registration plate illuminating lamp:*
      - Condiciones geométricas de instalación (posiciones e inclinaciones del dispositivo en relación al espacio ocupado por la placa de matrícula y/o diferentes inclinaciones de este espacio) / *Geometrical conditions of installation (position(s) and inclination(s) of the device in relation to the space to be occupied by the registration plate and/or different inclinations of this space):* ---
    - 9.1.2. Un indicador de dirección / *A direction indicator:*
      - Activación secuencial de las fuentes luminosas / *Sequential activation of light sources:*  
*si / yes - no / no* <sup>(1)</sup>
    - 9.1.3. Una luz de marcha atrás / *A reversing lamp:*---

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







E9\*148R00/03\*1740\*01

Página / Page 3/5



- La luz sólo puede instalarse en un vehículo como parte de un par de luces / *The lamp shall be installed on a vehicle only as part of a pair of lamps:* ~~si / yes~~ - no / no <sup>(1)</sup>

9.1.4. Una luz de maniobra / *A manoeuvring lamp:*

- La altura máxima de montaje / *The maximum mounting height:* ---

9.1.5. Una luz de circulación diurna / *A daytime running lamp:*

- La intensidad luminosa máxima no excede 700 cd / *Maximum luminous intensity does not exceed 700 cd:* ~~si / yes~~ - no / no <sup>(1)</sup>

9.2. Por función de luz de señalización y categoría / *By light signalling function and category:*

- Para la instalación en el exterior ~~o en el interior o ambos~~ <sup>(1)</sup> / *For mounting either outside or inside or both* <sup>(1)</sup>
- Color de luz emitida / *Colour of light emitted:*
  - Luz de posición / *Position lamp:* roja / red - blanca / white - ~~ambar / amber~~ - ~~incolora / colourless~~ <sup>(1)</sup>
  - Luz de posición lateral / *Side marker lamp:* ~~roja / red~~ - ~~blanca / white~~ - ambar / amber - ~~incolora / colourless~~ <sup>(1)</sup>
- Número, categoría(s) y tipo de la(s) fuente(s) luminosa(s) / *Number, category and kind of light source(s):*
  - Luz de posición / *Position lamp:* 1 x LED
  - Luz de posición lateral / *Side marker lamp:* 1 x LED
- Luz homologada para fuente(s) luminosa(s) sustitutiva(s) de LED. En caso afirmativo, categoría de la(s) fuente(s) de luz sustitutiva(s) de LED / *Lamp approved for LED substitute light source(s). If yes, category of LED substitute light source(s):*
  - Luz de pare / *Stop lamp:* ~~si / yes~~ - no / no <sup>(1)</sup>
  - Luz de posición lateral / *Side marker lamp:* ~~si / yes~~ - no / no <sup>(1)</sup>
- Voltaje y potencia / *Voltage and wattage:*
  - Luz de posición / *Position lamp:* 12V/0.4W, 24V/0.8W
  - Luz de posición lateral / *Side marker lamp:* 12V/0.4W, 24V/0.8W
- Módulo de fuente de luz / *Light source module:*
  - Luz de posición / *Position lamp:* ~~si / yes~~ - no / no <sup>(1)</sup>
  - Luz de posición lateral / *Side marker lamp:* ~~si / yes~~ - no / no <sup>(1)</sup>
- Código de identificación específico del módulo de fuente de luz / *Light source module specific identification code:*
  - Luz de posición / *Position lamp:* ---
  - Luz de posición lateral / *Side marker lamp:* ---
- Solo para instalación limitada en altura igual o inferior a 750 mm por encima del suelo, si procede / *Only for limited mounting height of equal to or less than 750 mm above the ground, if applicable:*
  - Luz de posición / *Position lamp:* ~~si / yes~~ - no / no <sup>(1)</sup>
  - Luz de posición lateral / *Side marker lamp:* ~~si / yes~~ - no / no <sup>(1)</sup>

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





E9\*148R00/03\*1740\*01

Página / Page 4/5



- Condiciones geométricas de instalación y variaciones relacionadas, si se da el caso / *Geometrical conditions of installation and relating variations, if any: ---*
  - Aplicación de una guía de control electrónica/control de intensidad variable de la(s) fuente(s) luminosa(s) / *Application of an electronic light source control gear/variable intensity control:*
    - Luz de posición / *Position lamp: no / no*
    - Luz de posición lateral / *Side marker lamp: no / no*
      - (a) Formando parte de la luz / *Being part of the lamp: ~~si/yes~~ - no / no* <sup>(1)</sup>
      - (b) No formando parte de la luz / *Being not part of the lamp: ~~si/yes~~ - no / no* <sup>(1)</sup>
  - Tensión(es) de entrada suministrada(s) por la guía de control electrónica/control de intensidad variable la(s) fuente(s) luminosa(s) / *Input voltage(s) supplied by an electronic light source control gear/variable intensity control: ---*
  - Fabricante de la guía de control electrónica/control de intensidad variable 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/variable intensity control manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body): ---*
  - Intensidad luminosa variable, si procede / *Variable luminous intensity, if applicable: ~~si/yes~~ - no / no* <sup>(1)</sup>
  - Función(es) producida(s) por una luz interdependiente que forma parte de un sistema de luces interdependientes, si procede / *Function(s) produced by an interdependent lamp forming part of an interdependent lamp system, if applicable: ---*
- 9.3. La luz de posición delantera, luz de posición trasera, ~~luz de pare, luz de galibo, luz de circulación diurna~~ <sup>(1)</sup> es sólo para uso en un vehículo equipado con un testigo que indique el fallo / *The front position lamp, rear position lamp, ~~stop lamp, end-outline marker lamp, daytime running lamp~~* <sup>(1)</sup> is only for use on a vehicle fitted with a tell-tale indicating failure: ~~si/yes~~ - no / no <sup>(1)</sup>
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. Motivo(s) de la extensión (si procede) / *Reason(s) for extension (if applicable):* Ver informe PC22040149 / *See report PC22040149*
12. Se ~~concede/deniega~~/extiende/~~retira~~ la homologación <sup>(1)</sup> / *Approval ~~granted~~/extended/~~refused~~/withdrawn* <sup>(1)</sup>
13. Homologación concedida para los dispositivos destinados a ser utilizados en vehículos ya en uso únicamente / *Approval granted for devices to be used on vehicles already in use only: ~~si/yes~~ - no / no* <sup>(1)</sup>
14. Lugar / *Place:* Madrid
15. Fecha / *Date:* Ver firma electrónica. / *See electronic signature.*

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







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E9\*148R00/03\*1740\*01

Página / Page 5/5



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. La lista de los documentos depositados ante la Autoridad de homologación de Tipo que ha concedido la homologación se adjunta a la presente comunicación y puede obtenerse previa solicitud. / *The list of documents deposited with the Type Approval Authority which has granted approval is annexed to this communication and may be obtained on request.*

- Informe. / *Report.*
- Documentación suministrada por el fabricante. / *Documentation supplied by the manufacturer.*

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

Pº DE LA CASTELLANA, 160, 10º - 28071 MADRID  
SEDE-E <https://sedeaplicaciones.minetur.gob.es/consultasSGCSI/>

TLF.: 91 349.51.08



Código: 11799923-39923220L3RIWCKV25HA Autenticidad verificable en: <https://serviciosmin.gob.es/arce>  
Documento electrónico, página 5 de 7.



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### Anexo - Información adicional sobre esta Homologación de tipo

#### Condiciones de la autorización y pie de recurso

Los vehículos, sistemas, componentes o unidades técnicas independientes fabricados en virtud de esta homologación de tipo deben estar identificados y portar las marcas correspondientes según la reglamentación aplicable.

La producción en serie de vehículos, sistemas, componentes y unidades técnicas independientes debe realizarse de acuerdo con la documentación de homologación. Todo cambio en la producción individualizada requerirá autorización expresa previa por parte de la Autoridad de Homologación Española.

Cualquier modificación en los datos incluidos en el certificado de homologación, como el nombre de la empresa, representante en la UE, dirección y las plantas de fabricación deben ser comunicados inmediatamente a la Autoridad de Homologación Española.

La homologación perderá su validez cuando la misma haya sido retirada o el tipo ya no cumpla con los requisitos legales. La retirada tendrá lugar siempre que hayan dejado de cumplirse los requisitos necesarios para la concesión y mantenimiento de la misma, cuando el fabricante no pueda demostrar a la Autoridad de Homologación el cumplimiento con los requisitos y procedimientos para garantizar la conformidad de la producción, en caso de que el titular no cumpla con sus obligaciones inherentes a la homologación o cuando se determine que el tipo homologado no cumple con los requisitos de seguridad y medio ambiente.

La Autoridad de Homologación de Tipo española podrá verificar el cumplimiento de las obligaciones del fabricante en cualquier momento. En particular, se podrá comprobar la correspondencia del producto con el tipo homologado, así como las medidas establecidas para garantizar la conformidad de la producción. A tal efecto se podrán tomar o solicitar las muestras necesarias. Se permitirá el acceso sin trabas a las instalaciones de producción y almacenamiento a los empleados o representantes de la Autoridad de Homologación Española.

La autorización objeto de esta resolución de homologación de tipo no es transferible. Los derechos de marca de terceros no se encuentran afectados por esta homologación.

Contra la presente Resolución, que no pone fin a la vía administrativa, podrá interponerse recurso de alzada<sup>1</sup> ante la Dirección General de Industria y de la Pequeña y Mediana empresa, o ante la Secretaría General de Industria y de la Pequeña y Mediana empresa, en el plazo de un mes a partir del día siguiente a su notificación, de conformidad con los artículos 121 y 122 de la Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas.

<sup>1</sup> Nota: Para interponer recurso de alzada deberá acceder al siguiente enlace:  
<https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157>





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### *Annex - Additional Information on this Type Approval*

#### *Collateral clauses and right to appeal (Courtesy translation)*

*All vehicles, systems, components or separate technical units which correspond to the approved type are to be identified and marked according to the applied regulation.*

*The serial fabrication of vehicles, systems, components or separate technical must be in exact accordance with the approval documents. Changes in the individual production are only allowed with express consent of the Spanish Type Approval Authority.*

*Changes in the data included in the approval certificate, such as the name of the company, EU representative, address and the manufacturing plant are to be immediately disclosed to the Spanish Type Approval Authority.*

*The approval expires if it is withdrawn or if the type approved no longer complies with the legal requirements. The revocation can be made if the demanded requirements for issuance and the continuance of the approval no longer exist, if the manufacturer cannot demonstrate to the Type Approval Authority that it comply with the requirements and procedures to guarantee the conformity of production, if the holder of the approval violates the duties involved in the approval or if it is determined that the approved type does not comply with the requirements of traffic safety or environmental protection.*

*The Spanish Type Approval Authority may check the proper exercise of the conferred authority taken from this approval at any time. In particular, this means the compliant production as well as the measures for conformity of production. For this purpose, samples can be taken or have taken. The employees or the representatives of the Spanish Type Approval Authority may get unhindered access to the production and storage facilities.*

*The authorization contained with issuance of this approval is not transferable. Trade mark rights of third parties are not affected with this approval.*

*This approval does not conclude the administrative channel and can be appealed<sup>2</sup> within one month after notification, according to articles 121 and 122 of Ley 39/2015, de 1 de octubre, del Procedimiento Administrativo Común de las Administraciones Públicas. The appeal is to be addressed to Dirección General de Industria y de la Pequeña y Mediana empresa, or Secretaría General de Industria y de la Pequeña y Mediana empresa.*

*Note: Appeal on the following link:*

<https://sede.serviciosmin.gob.es/es-es/procedimientoselectronicos/Paginas/detalle-procedimientos.aspx?IdProcedimiento=157>

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SEDE-E <https://sedeaplicaciones.minetur.gob.es/consultasSGCSI/>

TLF.: 91 349.51.08



Código: 11799923-39923220L3RIWCKV25HA Autenticidad verificable en: <https://serviciosmin.gob.es/arce>  
Documento electrónico, página 7 de 7.





## INFORME N° / REPORT No. PC22040149

RELATIVO A LA EXTENSION DE HOMOLOGACIÓN DE DISPOSITIVOS DE SEÑALIZACIÓN LUMINOSA (LUCES) PARA VEHÍCULOS A MOTOR Y SUS REMOLQUES SEGÚN EL REGLAMENTO UN N° 148R00/03 / *CONCERNING THE APPROVAL EXTENDED OF LIGHT-SIGNALLING DEVICES (LAMPS) FOR POWER-DRIVEN VEHICLES AND THEIR TRAILERS ACCORDING TO UN REGULATION No. 148R00/03*

### EXTENSION I

Nombre y dirección del fabricante /  
*Manufacturer's name and address*

: FRISTOM SPÓLKA Z OGRANICZONA  
ODPOWIEDZIALNOSCIA SPÓLKA  
KOMANDYTOWA  
UL. PRZEMYSLOWA 5, 86-014  
85416 SICIENKO (POLONIA)

Marca comercial / *Trade mark*

: FRISTOM

Tipo / *Type*

: FT-069 LED

Lugar y fecha de emisión del informe /  
*Place and date of test report issue*

: L'Albornar, Santa Oliva (Tarragona)  
13/04/2022

**CONCLUSIONES / CONCLUSIONS:** Las modificaciones introducidas, que se detallan en el Anexo a este informe, son objeto de extensión de homologación respecto al tipo homologado por este servicio (Informe N° PC21110300) y **CUMPLE** las prescripciones relativas a la homologación de dispositivos de señalización luminosa (luces) para vehículos a motor y sus remolques en aplicación del Reglamento UN N° 148R00/. / *Modifications introduced, as detailed in the Annex attached to this report, are extension of homologation with respect to formerly certified type performed by this technical department (Test Report No PC21110300) and FULFILLS the prescriptions with regard to the approval of light-signalling devices (lamps) for motor vehicles and their trailers in application of UN Regulation No. 148R00/.*

Realizado por / *Performed by:*



Joan Fonts Sala  
INGENIERO DE ENSAYOS  
TEST ENGINEER

V. B° / *Revised by:*



Ramon Santafè Guiu  
JEFE DE DEPARTAMENTO  
DEPARTMENT MANAGER

\* LOS RESULTADOS PRESENTADOS SE REFIEREN ÚNICAMENTE A LA MUESTRA ENSAYADA.  
*THE PRESENTED RESULTS REFER ONLY TO THE TESTED SAMPLE*

\* QUEDA TERMINANTEMENTE PROHIBIDA LA REPRODUCCIÓN PARCIAL DE ESTE INFORME SIN PERMISO EXPRESO DE IDIADA.  
*THE PARTIAL REPRODUCTION OF THIS REPORT WITHOUT THE PERMISSION OF IDIADA IS COMPLETELY FORBIDDEN*





## ANEXO AL INFORME / ANNEX TO THE REPORT

Nombre y dirección del fabricante /  
Manufacturer's name and address : FRISTOM SPÓLKA Z OGRANICZONA  
ODPOWIEDZIALNOSCIA SPÓLKA  
KOMANDYTOWA  
UL. PRZEMYSŁOWA 5, 86-014  
85416 SICIENKO (POLONIA)

Marca comercial / Trade mark : FRISTOM

Tipo / Type : FT-069 LED

Variantes / Variants <sup>(1)</sup> : FT-069 B LED, FT-069 C LED, FT-069 Z LED

Identificación de las muestras /  
Sample identification : HTC-2201/01225

Lámpara / Lamp <sup>(1)(2)</sup> : - Luz de posición delantera / Front position lamp  
- Luz de posición trasera / Rear position lamp  
- Luz de posición lateral / Side marker lamp

<sup>(1)</sup> Información proporcionada por el cliente. El laboratorio no se hace responsable de dicha información /  
Information provided by the client. The laboratory is not responsible for such information  
<sup>(2)</sup> Táchese lo que no proceda / Strike out what does not apply

**MOTIVO DE EXTENSIÓN/ REASON OF EXTENSION:**

- Cambio de la dimensión de la altura de la lámpara, cambio no crítico para el sistema óptico / Change of the lamp height dimension, non critical change for the Optical system
- Corrección de un error en la descripción / Correction of a description mistake.

Lugar / place: L'Albormar, E-43710 Santa Oliva (Tarragona)  
Fecha / date: 13/04/2022



Joan Fonts Sala  
INGENIERO DE ENSAYOS  
TEST ENGINEER

DOCUMENTACIÓN TÉCNICA /  
*TECHNICAL DOCUMENTATION*



**INFORMATION FOLDER:**FIRST APPLICATION  
DATE: 6.02.2022**1. Specification data**

Type	FT-069 LED	
Trade name or mark	Fristom	
Variants	See drawing	
Function	rear position R1 ; front position A ; side marking cat. SM1;reflex reflector catIA	
Color	Red light color , white light color , amber light color	
Rated	Voltage	12/24V
	Wattage	12V-0,4W ; 24V-0,8W
Applicable Regulation		R148;R150
Light Source and connection		See drawing
Location of marking	Light Source marks	See the drawing
	Trade mark	See the drawing
	Approval mark	See the drawing

**2. Construction and material**

Construction	Material	Remarks
Lenses	Defined on the technical drawing	--
Reflectors	Defined on the technical drawing	--
Bases	Defined on the technical drawing	--

**3. Name and address of manufacturer:**

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

**4. REASON OF THE APPROVAL EXTENSION:**

- lamp height dimension has changed , non critical change for the optical system
- correction of a description mistake.- warm white LED chip is used in the amber sidemarking lamp instead of an amber LED chip

NOTE : APPROVAL MARKINGS ARE SHOWN IN THE ATTACHED DRAWING.  
THIS INFORMATION FOLDER CONSISTS OF 1 PAGES



## Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
66-014 Sicienko / Polska  
ul. Przemysłowa 5  
NIP: 5542926937 / KRG: 0000520208  
Tel.: +48 52 360 80 51, Fax: +48 52 327 75 41

**Fristom**

Drawn by: Date: sheet Nr.

Michał Dybicz 06-04-2022 1/5

## Type

FT-069 C LED - rear position lamp with retro reflex reflector EXT01

## light source

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED red light color

## sheet description

lamp functions

This drawing is a part of the application for approval

## Material used in manufacturing :

- lampshade PMMA transparent red
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin

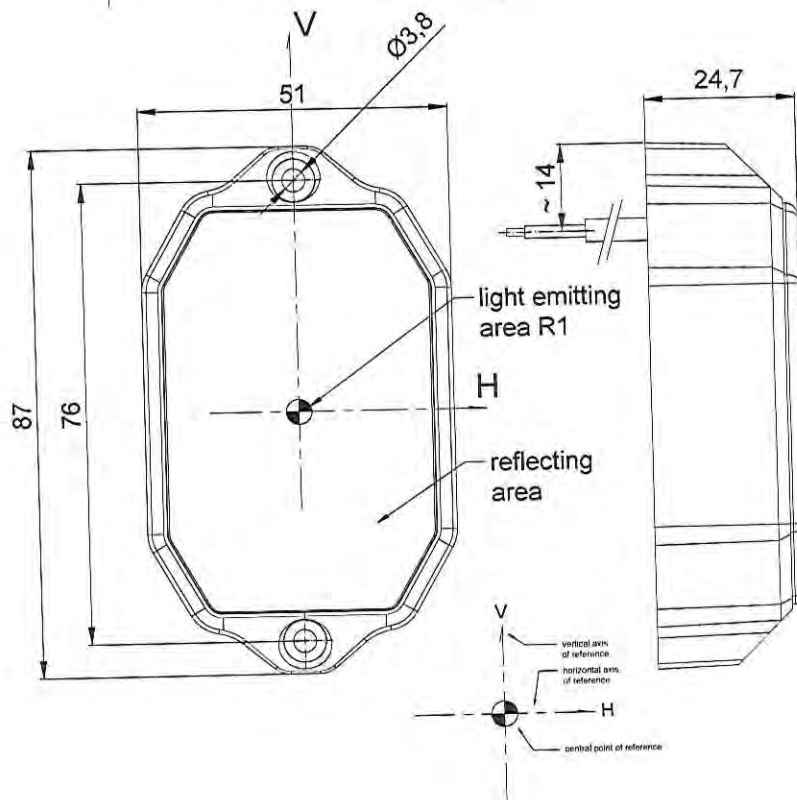
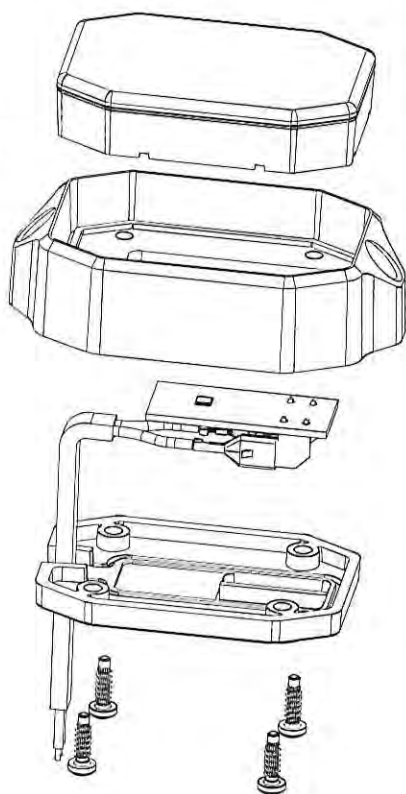
## electrical data

12/24V DC input

12V - 0,4 W

24V - 0,8 W

1 LED



IDIADA PC22040149



**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
06-014 Sicienko / Polska  
ul. Przemysłowa 5  
NIP: 5542929037, KRD: 0000529238  
Tel.: +48 52 360 60 51, Fax: +48 52 327 75 41

**Fristom****Drawn by:** **Date:**

Michał Dybicz

06-04-2022

**sheet Nr.**

2/5

**Type****FT-069 C LED - rear position lamp with retro reflex reflector EXT01****light source**

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED red light color

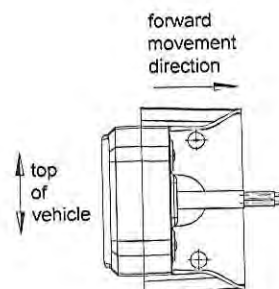
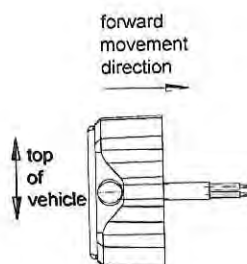
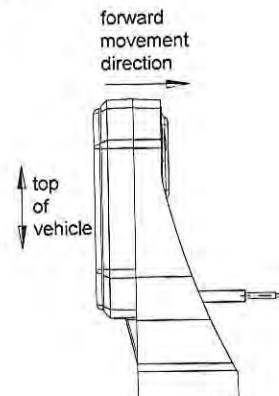
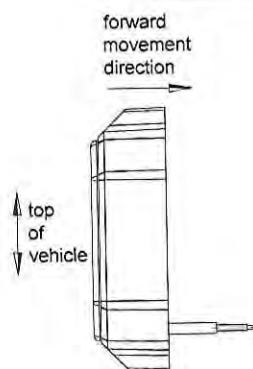
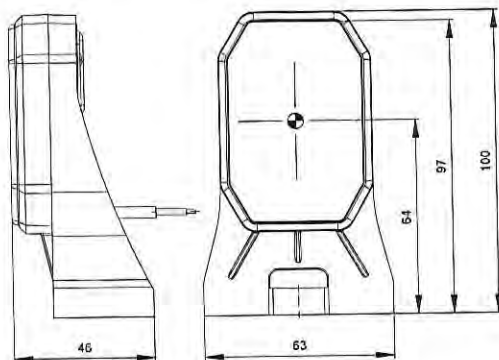
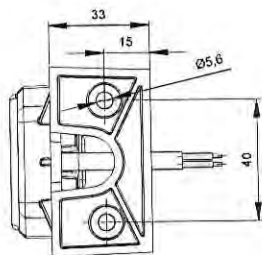
**sheet description**

positioning on vehicle , assembly fittings

This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent red
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin

**note:****horizontal and vertical assembly**

**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
65-014 Sicienka / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 00 51, Fax: +48 52 327 75 41

**Fristom**

**Drawn by:** Michał Dyblec  
**Date:** 06-04-2022  
**sheet Nr.** 3/5

**Type**

**FT-069 C LED** - rear position lamp with retro reflex reflector EXT01

**light source**

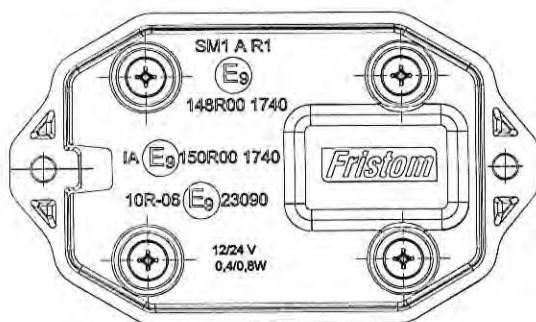
LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED red light color

**sheet description**

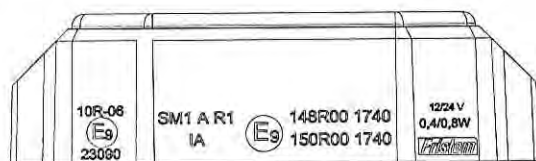
approval , trademark and electrical parameters marking  
This drawing is a part of the application for approval

**Material used in manufacturing :**

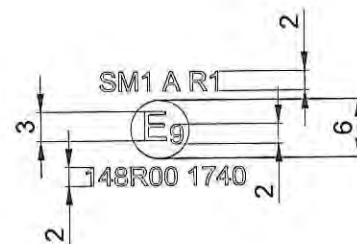
- lampshade PMMA transparent red
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin



approval , trademark and electrical parameters marking  
ON BACK COVER AND FLAT ASSEMBLY BRACKET always visible after assembly



approval marking dimensions





**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
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**Fristom****Drawn by:** **Date:** **sheet Nr.**

Michał Dybicz 06-04-2022

4/5

**Type****FT-069 C LED** - rear position lamp with retro reflex reflector EXT01**light source**

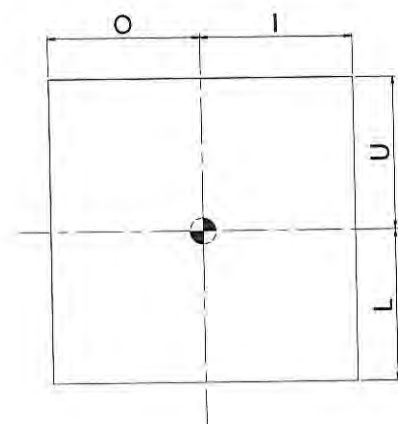
LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED red light color

**sheet description**

lighting surface  
This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent red
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin



lighting surface				
function	U (upper limit) (mm)	L (lower limit) (mm)	O (outer limit) (mm)	I (inner limit) (mm)
rear position light R1	5	5	5	5

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

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

According to ECE regulation 48/06 "Instalation of light and light-signalling devices" clause 2.10.3.2.

Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Ścieżenka / Polska  
ul. Przemysłowa 5  
NIP: 6542920837, KRS: 0000529298  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41



Drawn by:	Date:	sheet Nr.
Michał Dybicz	06-04-2022	5/5

Type

FT-069 C LED - rear position lamp with retro reflex reflector EXT01

light source

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED emitting red light color

sheet description

variant tradenames  
This drawing is a part of the application for approval

Material used in manufacturing :

- lampshade PMMA transparent red
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin

Variants

FT-069 C LED	FT-069 C LED Red LED clearance lamp with a reflector and a cable.
FT-069 C LED Mix	FT-069 C LED Red LED clearance lamp with a reflector and a cable Mix.
FT-069 C LED Q5075	FT-069 C LED Q5075 Red LED clearance lamp with a reflector, a cable and a Q5075 connector.
FT-069 C LED Q5075 Mix	FT-069 C LED Q5075 Red LED clearance lamp with a reflector, a cable Mix and a Q5075 connector.
FT-069 C LED Q5150	FT-069 C LED Q5150 Red LED clearance lamp with a reflector, a cable and a Q5150 connector.
FT-069 C LED Q5150 Mix	FT-069 C LED Q5150 Red LED clearance lamp with a reflector, a cable Mix and a Q5150 connector.
FT-069 CI LED	FT-069 CI LED Red LED clearance lamp with a reflector, an angle holder and a cable.
FT-069 CI LED Mix	FT-069 CI LED Red LED clearance lamp with a reflector, an angle holder and a cable Mix.
FT-069 CI LED Q5075	FT-069 CI LED Q5150 Red LED clearance lamp with a reflector, an angle holder, a cable and a Q5075 connector.
FT-069 CI LED Q5075 Mix	FT-069 CI LED Q5150 Red LED clearance lamp with a reflector, an angle holder, a cable Mix and a Q5075 connector.
FT-069 CI LED Q5150	FT-069 CI LED Q5150 Red LED clearance lamp with a reflector, an angle holder, a cable and a Q5150 connector.
FT-069 CI LED Q5150 Mix	FT-069 CI LED Q5150 Red LED clearance lamp with a reflector, an angle holder, a cable Mix and a Q5150 connector.
FT-069 CH LED	FT-069 CH LED Red LED clearance lamp with a reflector, a flat holder and a cable.
FT-069 CH LED Mix	FT-069 CH LED Red LED clearance lamp with a reflector, a flat holder and a cable Mix.
FT-069 CH LED Q5075	FT-069 CH LED Q5150 Red LED clearance lamp with a reflector, a flat holder, a cable and a Q5075 connector.
FT-069 CH LED Q5075 Mix	FT-069 CH LED Q5150 Red LED clearance lamp with a reflector, a flat holder, a cable Mix and a Q5075 connector.
FT-069 CH LED Q5150	FT-069 CH LED Q5150 Red LED clearance lamp with a reflector, a flat holder, a cable and a Q5150 connector.
FT-069 CH LED Q5150 Mix	FT-069 CH LED Q5150 Red LED clearance lamp with a reflector, a flat holder, a cable Mix and a Q5150 connector.
FT-069 CII LED	FT-069 CII LED Red LED clearance lamp with a reflector, short holder and a cable.
FT-069 CII LED Mix	FT-069 CII LED Red LED clearance lamp with a reflector, short holder and a cable Mix.
FT-069 CII LED Q5075	FT-069 CII LED Q5150 Red LED clearance lamp with a reflector, a short holder, a cable and a Q5075 connector.
FT-069 CII LED Q5075 Mix	FT-069 CII LED Q5150 Red LED clearance lamp with a reflector, a short holder, a cable Mix and a Q5075 connector.
FT-069 CII LED Q5150	FT-069 CII LED Q5150 Red LED clearance lamp with a reflector, a short holder, a cable and a Q5150 connector.
FT-069 CII LED Q5150 Mix	FT-069 CII LED Q5150 Red LED clearance lamp with a reflector, a short holder, a cable Mix and a Q5150 connector.
FT-069 CIV LED	FT-069 CIV LED Red clearance LED lamp with a reflector, a flat with an long holder and a 2x0.75 mm <sup>2</sup> cable.
FT-069 CIV LED Mix	FT-069 CIV LED Red clearance LED lamp with a reflector, a flat cable Mix with an long holder and a 2x0.75 mm <sup>2</sup> cable.
FT-069 CIV LED Q5075	FT-069 CIV LED Q5075 White LED clearance lamp with a reflector, an long holder, a cable and a Q5075 connector.
FT-069 CIV LED Q5075 Mix	FT-069 CIV LED Q5075 White LED clearance lamp with a reflector, an long holder, a cable Mix and a Q5075 connector.
FT-069 CIV LED Q5150	FT-069 CIV LED Q5075 White LED clearance lamp with a reflector, an long holder, a cable and a Q5150 connector.
FT-069 CIV LED Q5150 Mix	FT-069 CIV LED Q5075 White LED clearance lamp with a reflector, an long holder, a cable Mix and a Q5150 connector.

where x is a digit between 0-9

IDIADA PC22040149

#### Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością sp.k.  
05-014 Sicienko / Polska  
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NIP: 5542520507, KRS: 0000529208  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41

**Fristom**

Drawn by:

Date:

sheet Nr.

Michał Dybicz

06-04-2022

1/5

#### Type

**FT-069 Z LED** - side marking lamp with retro reflex reflector EXT01

#### light source

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

#### sheet description

lamp functions

This drawing is a part of the application for approval

#### Material used in manufacturing :

- lampshade PMMA transparent amber
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin
- flat connector steel zinc plated

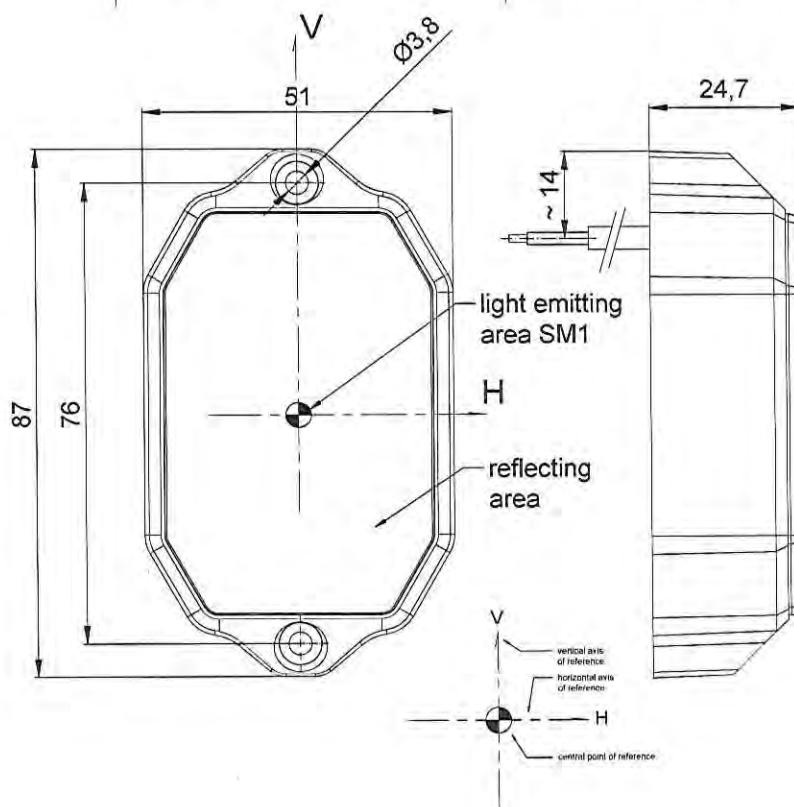
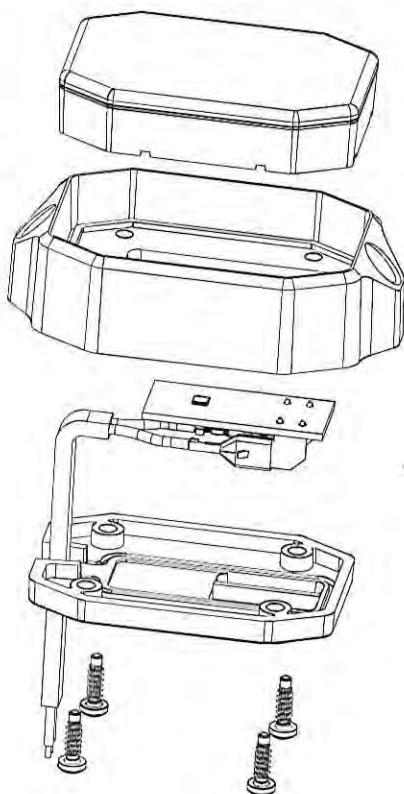
#### electrical data

12/24V DC input

12V - 0,4 W

24V - 0,8 W

1 LED



IDIADA PC22040149



**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
58-014 Siemko / Polska  
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**Fristom**

**Drawn by:** **Date:** **sheet Nr.**

Michał Dybicz 06-04-2022 2/5

**Type**

**FT-069 Z LED - side marking lamp with retro reflex reflector EXT01**

**light source**

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

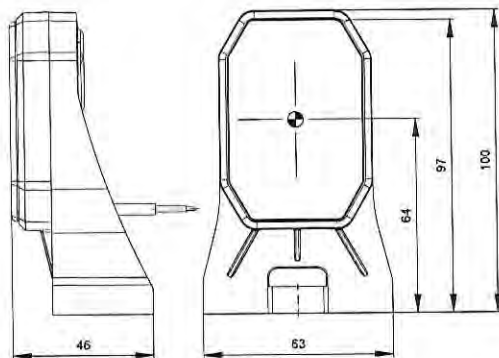
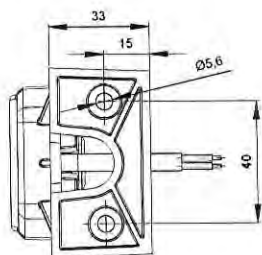
**sheet description**

positioning on vehicle , assembly fittings

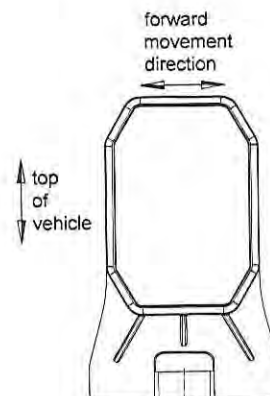
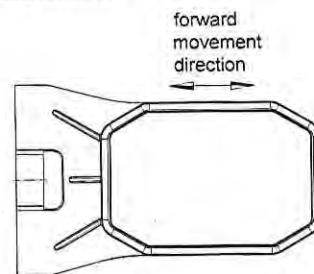
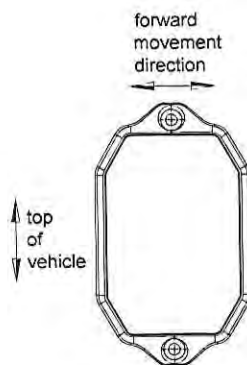
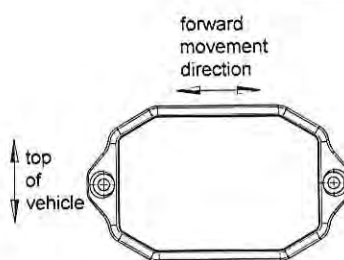
This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent amber
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin
- flat connector steel zinc plated



**note:**  
**horizontal and vertical assembly**



PC22040149

**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Sicienko / Polska  
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Tel.: +48 52 360 00 51, Fax: +48 52 327 75 41

**Fristom****Drawn by:****Date:****sheet Nr.**

Michał Dybicz

06-04-2022

3/5

**Type****FT-069 Z LED** - side marking lamp with retro reflex reflector EXT01**light source**

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

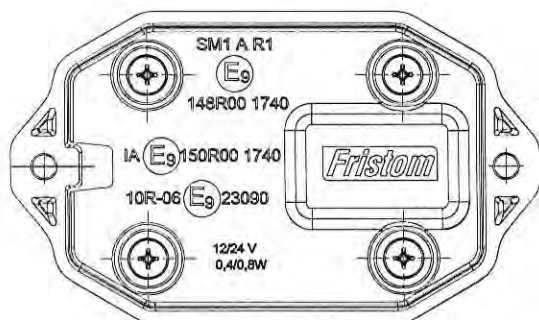
**sheet description**

approval , trademark and electrical parameters marking

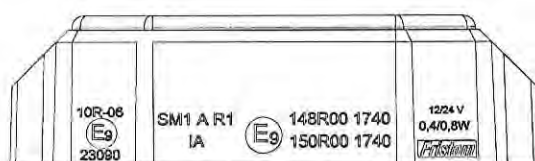
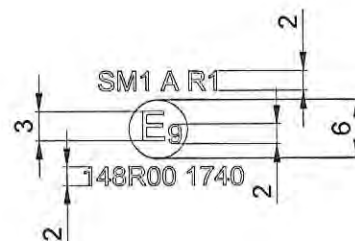
This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent amber
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin
- flat connector steel zinc plated



approval , trademark and electrical parameters marking  
ON BACK COVER AND FLAT ASSEMBLY BRACKET always visible after assembly

**approval marking dimensions**

PC22040149

Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Skienko / Polska  
ul. Przemysłowa 5  
NIP: 5542502037, KRS: 0000529236  
Tel.: +48 52 360 00 51, Fax: +48 52 327 75 41



Drawn by: Michał Dybicz Date: 06-04-2022 sheet Nr. 4/5

Type

FT-069 Z LED - side marking lamp with retro reflex reflector EXT01

light source

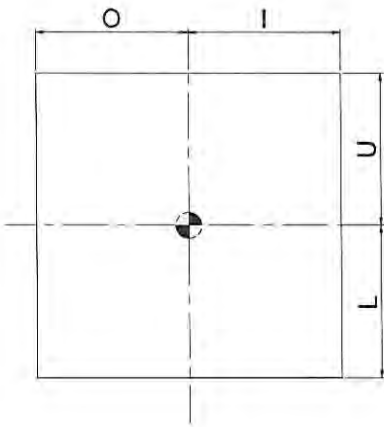
LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

sheet description

lighting surface  
This drawing is a part of the application for approval

Material used in manufacturing :

- lampshade PMMA transparent amber
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR-4
- potting compound epoxy resin
- flat connector steel zinc plated



lighting surface				
function	U <sub>(upper limit)</sub> [mm]	L <sub>(lower limit)</sub> [mm]	O <sub>(outer limit)</sub> [mm]	I <sub>(inner limit)</sub> [mm]
sidemarking light SM1	5	5	5	5

Determining the lower , upper and lateral limits of the ilumination surface of the lamp device.  
According to European Directive 91/663/EEC , Annex I "Instalation of lighting and light-signalling devices" clause 1.9.2.  
According to ECE regulation 48/06 "Instalation of light and light-signalling devices" clause 2.10.3.2.



Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Ścieżkowo / Polska  
ul. Przemysłowa 5  
NIP: 5642026837, KRS: 0000520236  
Tel.: +48 52 360 00 51, Fax: +48 52 327 75 41



Drawn by: Date: sheet Nr.  
Michał Dybicz 06-04-2022 5/5

Type

FT-069 Z LED - side marking lamp with retro reflex reflector EXT01

light source

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

sheet description

variant tradenames  
  
This drawing is a part of the application for approval

Material used in manufacturing :

- lampshade PMMA transparent amber
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin
- flat connector steel zinc plated

Variants

FT-069 Z LED	FT-069 Z LED Yellow LED clearance lamp with a reflector and a cable.
FT-069 Z LED Mxx	FT-069 Z LED Yellow LED clearance lamp with a reflector and a cable Mxx.
FT-069 Z LED Q5075	FT-069 Z LED M05 KT Yellow LED clearance lamp with a reflector and a cable and a Q5075 connector.
FT-069 Z LED Q5075 Mxx	FT-069 Z LED M05 KT Yellow LED clearance lamp with a reflector and a cable Mxx and a Q5075 connector.
FT-069 Z LED Q5150	FT-069 Z LED Q5075 Yellow LED clearance lamp with a reflector, a cable and a Q5075 connector.
FT-069 Z LED Q5150 Mxx	FT-069 Z LED Q5075 Yellow LED clearance lamp with a reflector, a cable Mxx and a Q5075 connector.
FT-069 ZI LED	FT-069 ZI LED Q5150 Yellow LED clearance lamp with a reflector, a cable and a Q5150 connector.
FT-069 ZI LED Mxx	FT-069 ZI LED Q5150 Yellow LED clearance lamp with a reflector, a cable Mxx and a Q5150 connector.
FT-069 ZI LED Q5075	FT-069 ZI LED Yellow LED clearance lamp with a reflector, an angle holder and a cable.
FT-069 ZI LED Q5075 Mxx	FT-069 ZI LED Yellow LED clearance lamp with a reflector, an angle holder and a cable Mxx.
FT-069 ZI LED Q5150	FT-069 ZI LED Q5150 Yellow LED clearance lamp with a reflector, an angle holder, a cable and a Q5150 connector.
FT-069 ZI LED Q5150 Mxx	FT-069 ZI LED Q5150 Yellow LED clearance lamp with a reflector, an angle holder, a cable Mxx and a Q5150 connector.
FT-069 ZII LED	FT-069 ZII LED Clearance Lamp LED 12-30V, yellow with reflector, straight rubber holder with a loom.
FT-069 ZII LED Mxx	FT-069 ZII LED Clearance Lamp LED 12-30V, yellow with reflector, straight rubber holder with a loom Mxx.
FT-069 ZII LED Q5075	FT-069 ZII LED Q5075 Yellow LED clearance lamp with a reflector, a flat holder, a cable and a Q5075 connector.
FT-069 ZII LED Q5075 Mxx	FT-069 ZII LED Q5075 Yellow LED clearance lamp with a reflector, a flat holder, a cable Mxx and a Q5075 connector.
FT-069 ZII LED Q5150	FT-069 ZII LED Q5150 Clearance Lamp LED 12-30V, yellow with reflector, straight rubber holder with a loom with connector Q5150.
FT-069 ZII LED Q5150 Mxx	FT-069 ZII LED Q5150 Clearance Lamp LED 12-30V, yellow with reflector, straight rubber holder with a loom Mxx with connector Q5150.
FT-069 ZIII LED	FT-069 ZIII LED Yellow LED clearance lamp with a reflector, short holder and a cable.
FT-069 ZIII LED Mxx	FT-069 ZIII LED Yellow LED clearance lamp with a reflector, short holder and a cable Mxx.
FT-069 ZIII LED Q5075	FT-069 ZIII LED Clearance Lamp LED 12-30V, yellow with reflector, set straight holder with a loom ended with connector Q5075.
FT-069 ZIII LED Q5075 Mxx	FT-069 ZIII LED Clearance Lamp LED 12-30V, yellow with reflector, set straight holder with a loom Mxx ended with connector Q5075.
FT-069 ZIII LED Q5150	FT-069 ZIII LED Q5150 Yellow LED clearance lamp with a reflector, a short holder, a cable and a Q5150 connector.
FT-069 ZIII LED Q5150 Mxx	FT-069 ZIII LED Q5150 Yellow LED clearance lamp with a reflector, a short holder, a cable Mxx and a Q5150 connector.
FT-069 ZIV LED	FT-069 ZIV LED Yellow clearance LED lamp with a reflector, a flat with an long holder and a 2x0.75 mm2 cable.
FT-069 ZIV LED Mxx	FT-069 ZIV LED Yellow clearance LED lamp with a reflector, a flat with an long holder and a 2x0.75 mm2 cable Mxx.
FT-069 ZIV LED Q5075	FT-069 ZIV LED Q5075 Yellow LED clearance lamp with a reflector, an long holder, a cable and a Q5075 connector.
FT-069 ZIV LED Q5075 Mxx	FT-069 ZIV LED Q5075 Yellow LED clearance lamp with a reflector, an long holder, a cable Mxx and a Q5075 connector.
FT-069 ZIV LED Q5150	FT-069 ZIV LED Q5075 Yellow LED clearance lamp with a reflector, an long holder, a cable and a Q5150 connector.
FT-069 ZIV LED Q5150 Mxx	FT-069 ZIV LED Q5075 Yellow LED clearance lamp with a reflector, an long holder, a cable Mxx and a Q5150 connector.

where x is a digit between 0-9

PC22040149

### Manufacturer

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
66-014 Świdnica / Polska  
ul. Przemysłowa 5  
NIP: 5542926937, KRS: 0000529238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41

**Fristom**

Drawn by: Date: sheet Nr.

Michał Dybicz 06-04-2022 1/5

### Type

FT-069 B LED - front position lamp with retro reflex reflector EXT01

### light source

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

### sheet description

lamp functions

This drawing is a part of the application for approval

### Material used in manufacturing :

- lampshade PMMA transparent clear
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR-4
- potting compound epoxy resin

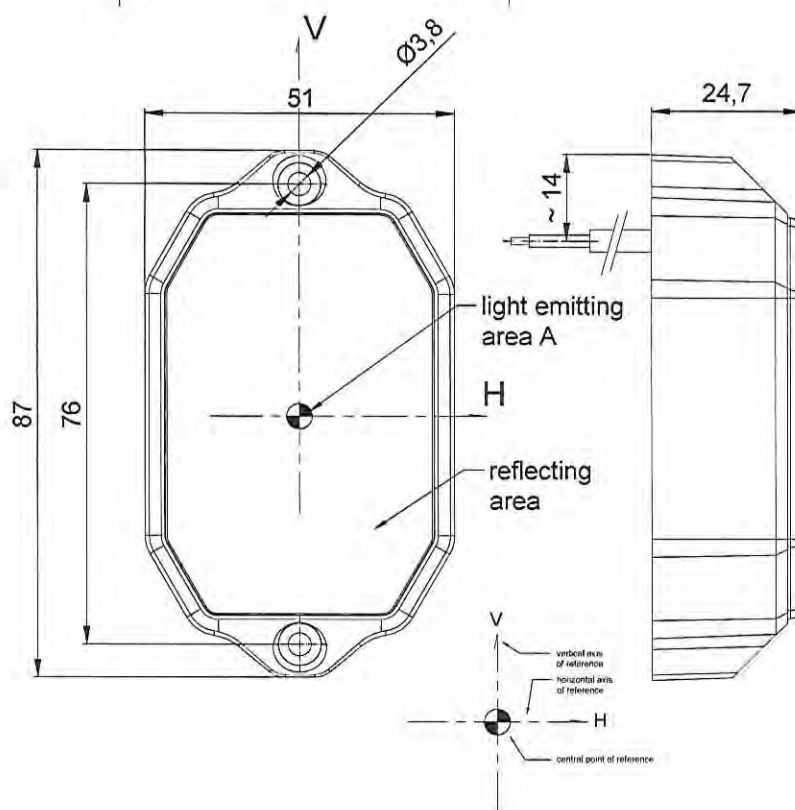
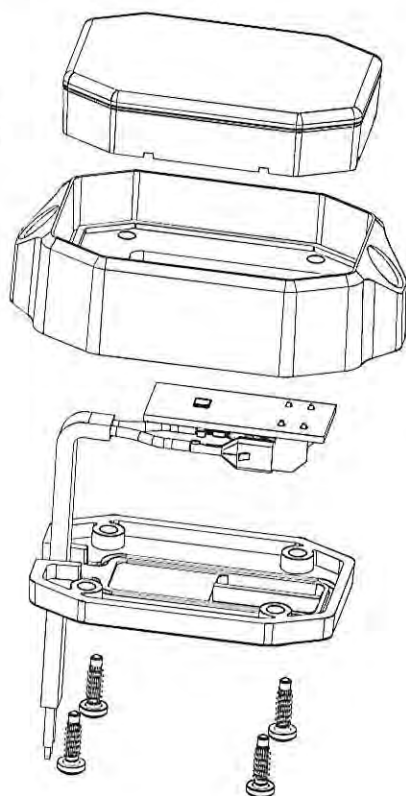
### electrical data

12/24V DC input

12V - 0,4 W

24V - 0,8 W

1 LED



IDIADA PC22040149

**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
88-014 Sicienka / Polska  
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NIP: 5542620937, KRĞ: 0000520238  
Tel.: +48 52 360 90 51, Fax: +48 52 327 75 41

**Fristom****Drawn by:** **Date:**

Michał Dybiec

06-04-2022

**sheet Nr.**

2/5

**Type****FT-069 B LED** - front position lamp with retro reflex reflector EXT01**light source**

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

**sheet description**

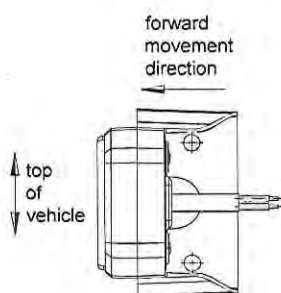
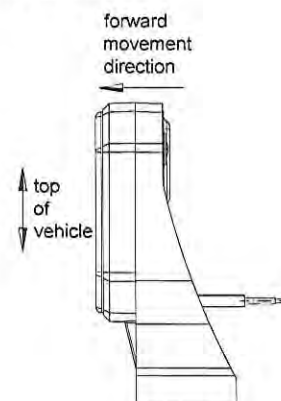
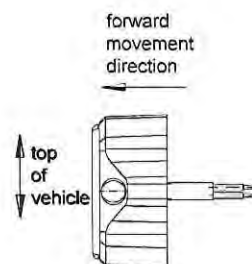
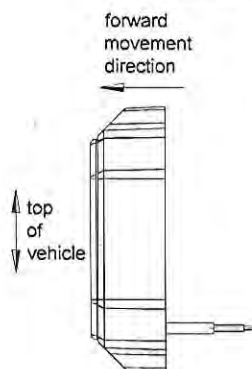
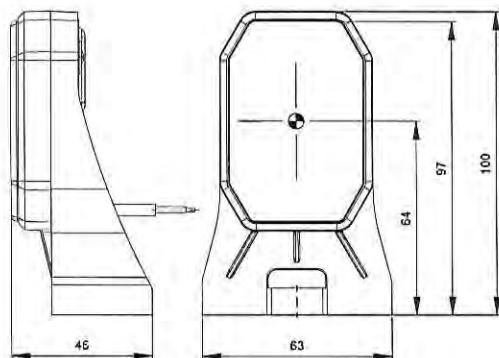
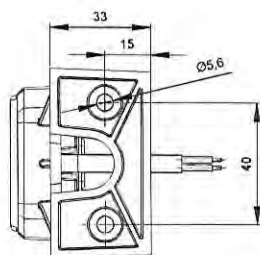
positioning on vehicle , assembly fittings

This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent clear
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin

note:  
horizontal and vertical assembly





**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
86-014 Ściegienko / Polska  
ul. Przemysłowa 5  
NIP: 55425926637, KRS: 0000525238  
Tel.: +48 52 360 50 51, Fax: +48 52 327 75 41

**Fristom****Drawn by:****Date:****sheet Nr.**

Michał Dybicz

06-04-2022

3/5

**Type****FT-069 B LED** - front position lamp with retro reflex reflector EXT01**light source**

LIGHT SOURCE : LED CHIP SMD chip mounted  
- 1 LED white light color

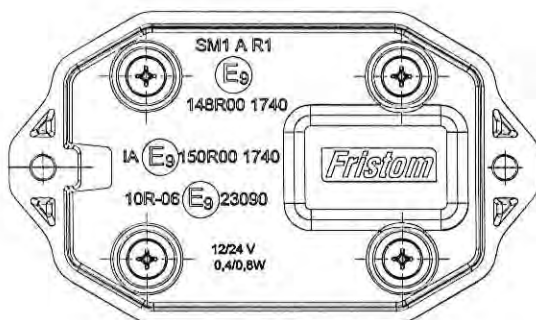
**sheet description**

approval , trademark and electrical parameters marking

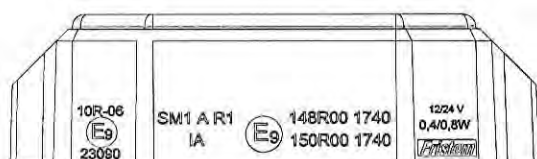
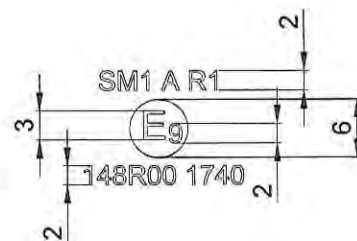
This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent clear
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR-4
- potting compound epoxy resin



approval , trademark and electrical parameters marking  
ON BACK COVER AND FLAT ASSEMBLY BRACKET always visible after assembly

approval marking dimensions

PC22040149

PC22040149

**Manufacturer**

FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.  
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**Drawn by:** Michał Dybicz  
**Date:** 06-04-2022  
**sheet Nr.** 4/5

**Type**

**FT-069 B LED** - front position lamp with retro reflex reflector EXT01

**light source**

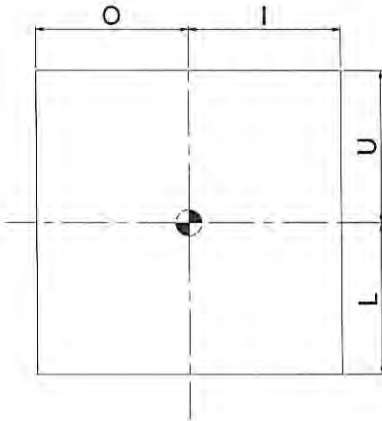
LIGHT SOURCE : LED CHIP SMD chip mounted  
• 1 LED white light color

**sheet description**

lighting surface  
This drawing is a part of the application for approval

**Material used in manufacturing :**

- lampshade PMMA transparent clear
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin



lighting surface				
function	U <sub>(upper limit)</sub> [mm]	L <sub>(lower limit)</sub> [mm]	O <sub>(outer limit)</sub> [mm]	I <sub>(inner limit)</sub> [mm]
front position light A	5	5	5	5

Determining the lower , upper and lateral limits of the ilumination surface of the lamp device.  
According to European Directive 91/663/EEC , Annex I "Instalation of lighting and light-signalling devices" clause 1.9.2.  
According to ECE regulation 48/06 "Instalation of light and light-signalling devices" clause 2.10.3.2.

Manufacturer

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Drawn by:	Date:	sheet Nr.
Michał Dybicz	06-04-2022	5/5

Type

FT-069 B LED - front position lamp with retro reflex reflector EXT01

light source

LIGHT SOURCE : LED CHIP SMD chip mounted  
+ 1 LED white light color

sheet description

variant tradenames  
This drawing is a part of the application for approval

Material used in manufacturing :

- lampshade PMMA transparent clear
- housing - PC transparent
- fixing bracket - polyethylene or polypropylene black
- PCB FR4
- potting compound epoxy resin

Variants

FT-069 B LED	FT-069 B LED White LED clearance lamp with a reflector and a cable.
FT-069 B LED Mxx	FT-069 B LED White LED clearance lamp with a reflector and a cable Mxx.
FT-069 B LED Q5075	FT-069 B LED Q5075 White LED clearance lamp with a reflector, a cable and a Q5075 connector.
FT-069 B LED Q5075 Mxx	FT-069 B LED Q5075 White LED clearance lamp with a reflector, a cable Mxx and a Q5075 connector.
FT-069 B LED Q5150	FT-069 B LED Q5150 White LED clearance lamp with a reflector, a cable and a Q5150 connector.
FT-069 B LED Q5150 Mxx	FT-069 B LED Q5150 White LED clearance lamp with a reflector, a cable Mxx and a Q5150 connector.
FT-069 BI LED	FT-069 BI LED White LED clearance lamp with a reflector, an angle holder and a cable.
FT-069 BI LED Mxx	FT-069 BI LED White LED clearance lamp with a reflector, an angle holder and a cable Mxx.
FT-069 BI LED Q5075	FT-069 BI LED Q5075 White LED clearance lamp with a reflector, an angle holder, a cable and a Q5075 connector.
FT-069 BI LED Q5075 Mxx	FT-069 BI LED Q5075 White LED clearance lamp with a reflector, an angle holder, a cable Mxx and a Q5075 connector.
FT-069 BI LED Q5150	FT-069 BI LED Q5150 White LED clearance lamp with a reflector, an angle holder, a cable and a Q5150 connector.
FT-069 BI LED Q5150 Mxx	FT-069 BI LED Q5150 White LED clearance lamp with a reflector, an angle holder, a cable Mxx and a Q5150 connector.
FT-069 BII LED	FT-069 BII LED White LED clearance lamp with a reflector, a flat holder and a cable.
FT-069 BII LED Mxx	FT-069 BII LED White LED clearance lamp with a reflector, a flat holder and a cable Mxx.
FT-069 BII LED Q5075	FT-069 BII LED Q5075 White LED clearance lamp with a reflector, a flat holder, a cable and a Q5075 connector.
FT-069 BII LED Q5075 Mxx	FT-069 BII LED Q5075 White LED clearance lamp with a reflector, a flat holder, a cable Mxx and a Q5075 connector.
FT-069 BII LED Q5150	FT-069 BII LED Q5150 White LED clearance lamp with a reflector, a flat holder, a cable and a Q5150 connector.
FT-069 BII LED Q5150 Mxx	FT-069 BII LED Q5150 White LED clearance lamp with a reflector, a flat holder, a cable Mxx and a Q5150 connector.
FT-069 BIII LED	FT-069 BIII LED White LED clearance lamp with a reflector, short holder and a cable.
FT-069 BIII LED Mxx	FT-069 BIII LED White LED clearance lamp with a reflector, short holder and a cable Mxx.
FT-069 BIII LED Q5075	FT-069 BIII LED Q5075 White LED clearance lamp with a reflector, a short holder, a cable and a Q5075 connector.
FT-069 BIII LED Q5075 Mxx	FT-069 BIII LED Q5075 White LED clearance lamp with a reflector, a short holder, a cable Mxx and a Q5075 connector.
FT-069 BIII LED Q5150	FT-069 BIII LED Q5150 White LED clearance lamp with a reflector, a short holder, a cable and a Q5150 connector.
FT-069 BIII LED Q5150 Mxx	FT-069 BIII LED Q5150 White LED clearance lamp with a reflector, a short holder, a cable Mxx and a Q5150 connector.
FT-069 BIV LED	FT-069 BIV LED White clearance LED lamp with a reflector, a flat with an angle holder and a 2x0.75 mm2 cable.
FT-069 BIV LED Mxx	FT-069 BIV LED White clearance LED lamp with a reflector, a flat with an angle holder and a 2x0.75 mm2 cable Mxx.
FT-069 BIV LED Q5075	FT-069 BIV LED Q5075 White clearance LED lamp with a reflector, a flat with an angle holder, Q5075 connector.
FT-069 BIV LED Q5075 Mxx	FT-069 BIV LED Q5075 White clearance LED lamp with a reflector, a flat cable Mxx with an angle holder, Q5075 connector.
FT-069 BIV LED Q5150	FT-069 BIV LED Q5150 White clearance LED lamp with a reflector, a flat with an angle holder, Q5150 connector.
FT-069 BIV LED Q5150 Mxx	FT-069 BIV LED Q5150 White clearance LED lamp with a reflector, a flat cable Mxx with an angle holder, Q5150 connector.

where x is a digit between 0-9

IDIADA PC22040149