

Firmado el 30/10/2024 13:39:52 : JORDI GARCIA BRUSTENGA, Director General de Estrategia Industrial y de la Pyme de Direccion General de Estrategia Industrial y de la Pequeña y Mediana Empresa.



MINISTERIO
DE INDUSTRIA
Y TURISMO

SECRETARÍA DE ESTADO DE
INDUSTRIA

DIRECCIÓN GENERAL DE ESTRATEGIA
INDUSTRIAL Y DE LA PEQUEÑA Y
MEDIANA EMPRESA

E9*148R00/05*22471*00

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COMUNICACIÓN / COMMUNICATION:

Concerniente a /
Concerning: ⁽¹⁾

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~~La retirada de homologación / *Approval withdrawn*~~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: ⁽¹⁾

~~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 gálibo / *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

Cambio de índice /
Change index:

N° de homologación /
Approval No:

E9*148R00/05*22471*00

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

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



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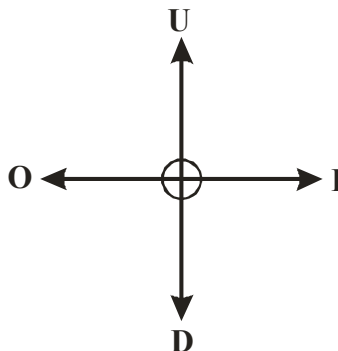
- Fabricante de la guía de control electrónica/control de intensidad variable de la(s) fuente(s) luminosa(s) y número de identificación (cuando la guía de control de la fuente luminosa forma parte de la luz pero no está incluida en el cuerpo de la luz) / *Electronic light source control gear/variable 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: sí/yes - no / no* ⁽¹⁾
 - 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~~ ⁽¹⁾ 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* ⁽¹⁾ is only for use on a vehicle fitted with a tell-tale indicating failure: ~~sí/yes~~ - no / no ⁽¹⁾
10. Posición de la marca de homologación / *Position of the approval mark*: Marcado en la carcasa. / *Marked on housing.*
11. Motivo(s) de la extensión (si procede) / *Reason(s) for extension (if applicable): ---*
12. Se concede/~~deniega/~~extiende/~~retira~~ la homologación ⁽¹⁾ / *Approval granted/extended/refused/withdrawn* ⁽¹⁾
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: sí/yes* - no / no ⁽¹⁾
14. Lugar / *Place*: Madrid
15. Fecha / *Date*: Ver firma electrónica. / *See electronic signature.*
16. Firma / *Signature*:
- EL DIRECTOR GENERAL DE ESTRATEGIA INDUSTRIAL Y DE LA PEQUEÑA Y MEDIANA EMPRESA
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 del ensayo. / *Test report.*
 - Documentación suministrada por el fabricante. / *Documentation supplied by the manufacturer.*

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





SUPERFICIE ILUMINANTE / ILLUMINATING SURFACE



	Límite superior / Upper boundary "U" (mm)	Límite inferior / Down boundary "D" (mm)	Límite interior / Inner boundary "I" (mm)	Límite exterior / Outer boundary "O" (mm)
Horizontal	6.4	6.8	11.0	11.3
Vertical	11.1	11.3	6.4	7.1

Lugar del ensayo / Test place: L'Albornar, E-43710 Santa Oliva (Tarragona)
Fecha del ensayo / Test date: 20/09/2024 – 20/10/2024

Joan Fonts Sala
INGENIERO DE ENSAYOS
TEST ENGINEER

- * 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.
- * EL LABORATORIO HA CALCULADO LA INCERTIDUMBRE DE MEDIDA ASOCIADA A LOS RESULTADOS.
MEASUREMENT UNCERTAINTY OF THE RESULTS HAS BEEN CALCULATED BY THE LABORATORY.
- * LA REGLA DE DECISIÓN UTILIZADA, SEGÚN LA NORMA ILAC-G8, HA SIDO LA DECLARACIÓN BINARIA DE ACEPTACIÓN SIMPLE
THE DECISION RULE USED, ACCORDING TO THE ILAC-G8 STANDARD, WAS THE BINARY STATEMENT FOR SIMPLE ACCEPTANCE

INFORMATION FOLDER:

FIRST APPLICATION
DATE: 18.10.2024

1. Specification data

Type	FT-019 B LED	
Trade name or mark	Fristom	
Variants	See drawing	
Function	front position light A ; reflex reflector cat IA	
Color	white color	
Rated	Voltage	12/24V
	Wattage	1W
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:

-

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

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



Drawn by: Karol Jonoszak	Date: 09-10-2024	Sheet: 1 of 7
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Type:
FT-019 B LED

LED front position lamp with reflex reflector

Light source:

LED CHIP SMD chip mounted
4 LED's white light color

Description:

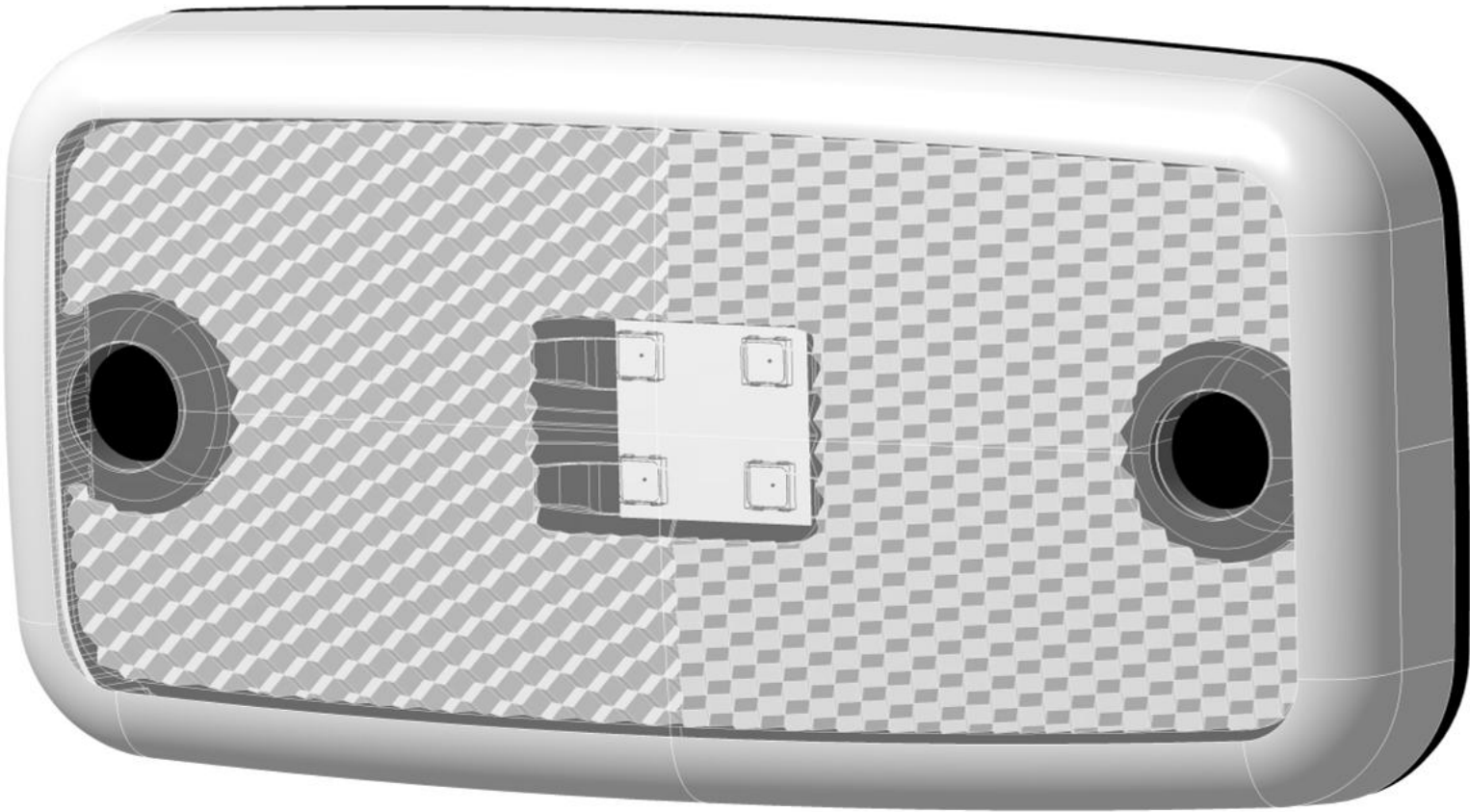
isometric lamp view

This drawing is a part of the application for approval

Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	

FT-019 B LED - front position lamp A with retro reflex reflector cat IA



Manufacturer:
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Drawn by: Karol Jonoszak
Date: 09-10-2024
Sheet: 2 of 7

Type: FT-019 B LED

LED front position lamp with reflex reflector

Light source:

LED CHIP SMD chip mounted
4 LED's white light color

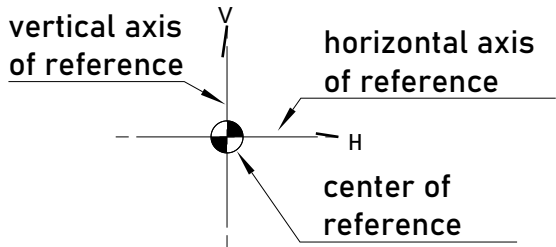
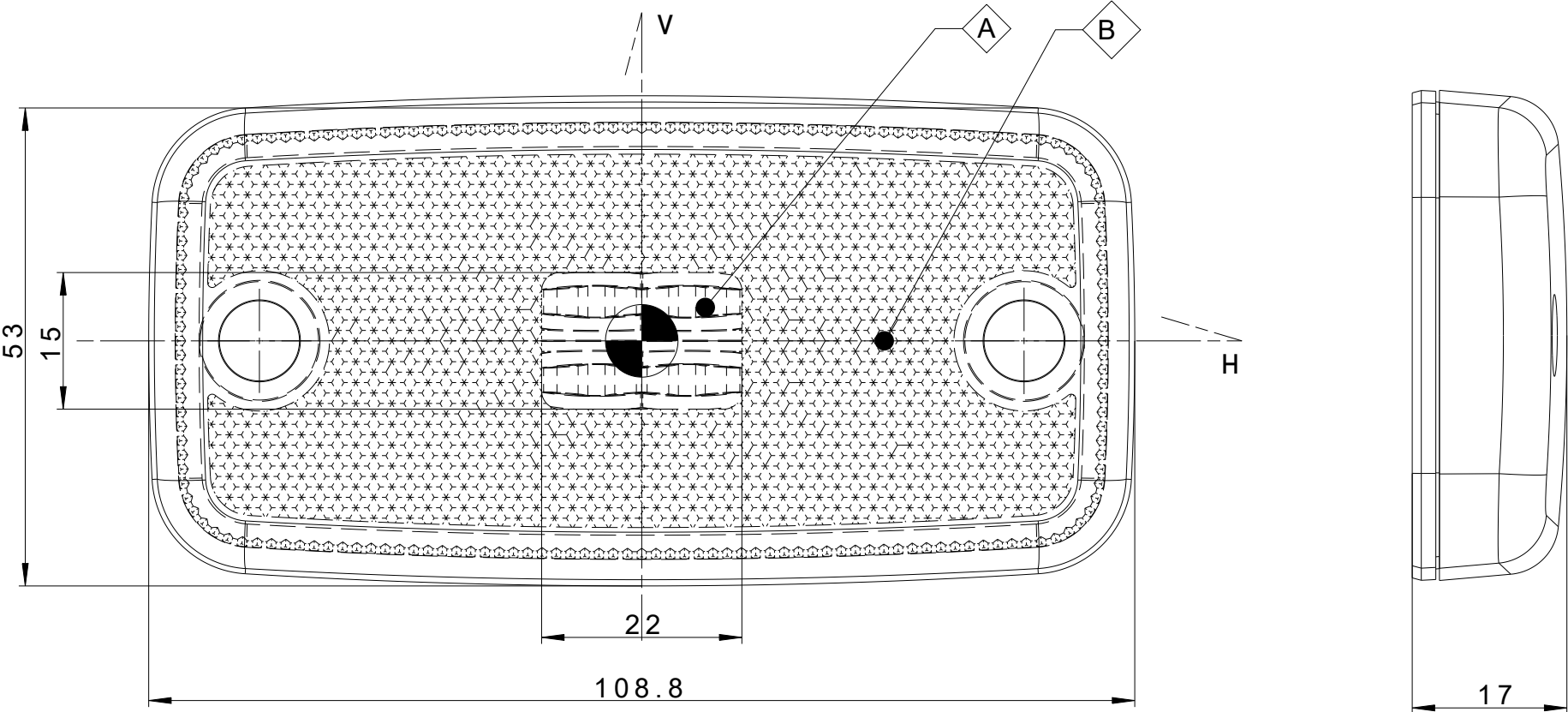
Description:

general drawing , light
emitting areas

This drawing is a part of the application for approval

Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



A	light emitting area [A]
B	reflecting area [IA]

Manufacturer:
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Drawn by: Karol Jonoszak
Date: 09-10-2024
Sheet: 3 of 7

Type:
FT-019 B LED

LED front position lamp with reflex reflector

Light source:

LED CHIP SMD chip mounted
4 LED's white light color

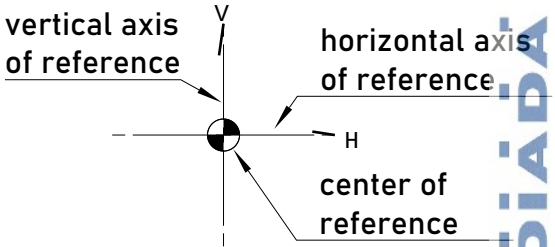
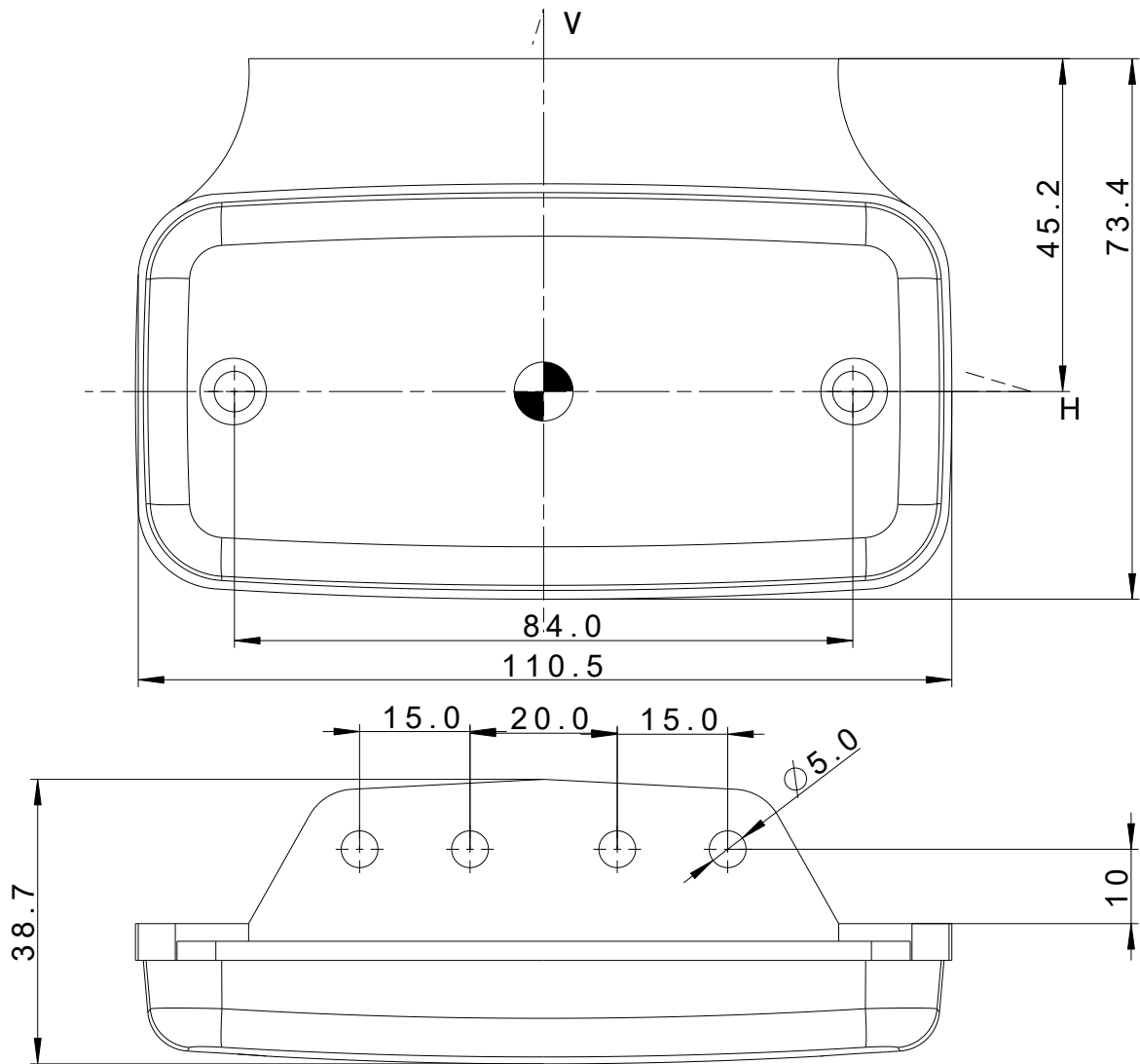
Description:

general drawing , light
emitting areas

This drawing is a part of the application for approval

Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



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Manufacturer:
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Drawn by: Karol Jonoszak
Date: 09-10-2024
Sheet: 4 of 7

Type:
FT-019 B LED

LED front position lamp with reflex reflector

Light source:

LED CHIP SMD chip mounted
4 LED's white light color

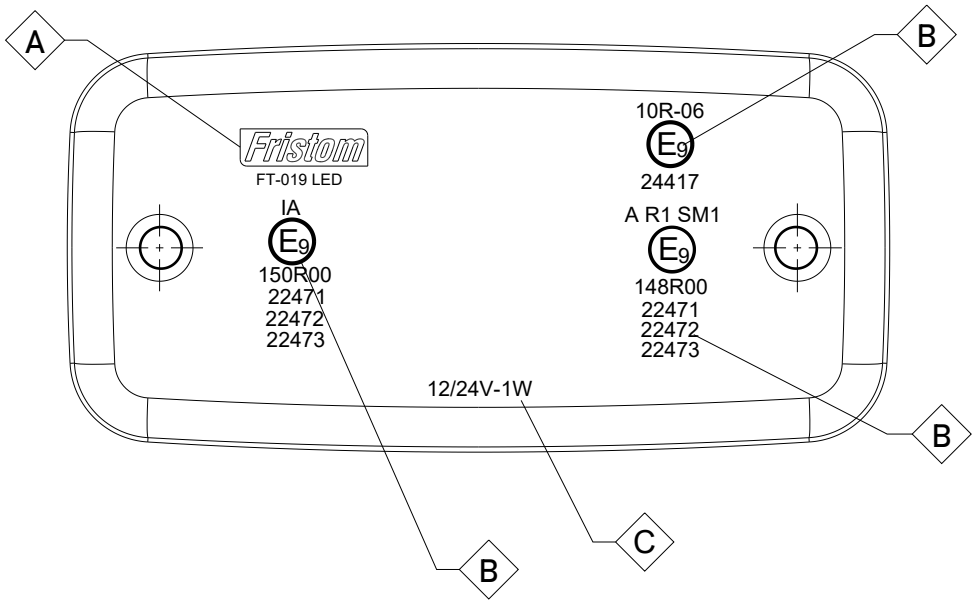
Description:

approval , trademark and electrical parameters markings

This drawing is a part of the application for approval

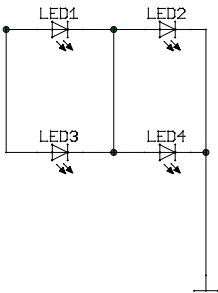
Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



A	trademark location
B	approval marking
C	electric parameters

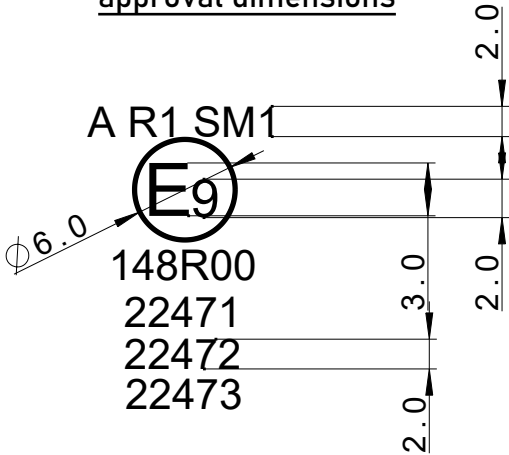
simplified electrical scheme ,LED connections



electrical data

12/24 V DC input
1 W max

approval dimensions



Manufacturer:
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Drawn by: Karol Jonoszak
Date: 09-10-2024
Sheet: 5 of 7

Type:
FT-019 B LED

LED front position lamp with reflex reflector

Light source:
LED CHIP SMD chip mounted
4 LED's white light color

Description:
positioning on vehicle ,
assembly fittings
This drawing is a part of the application for approval

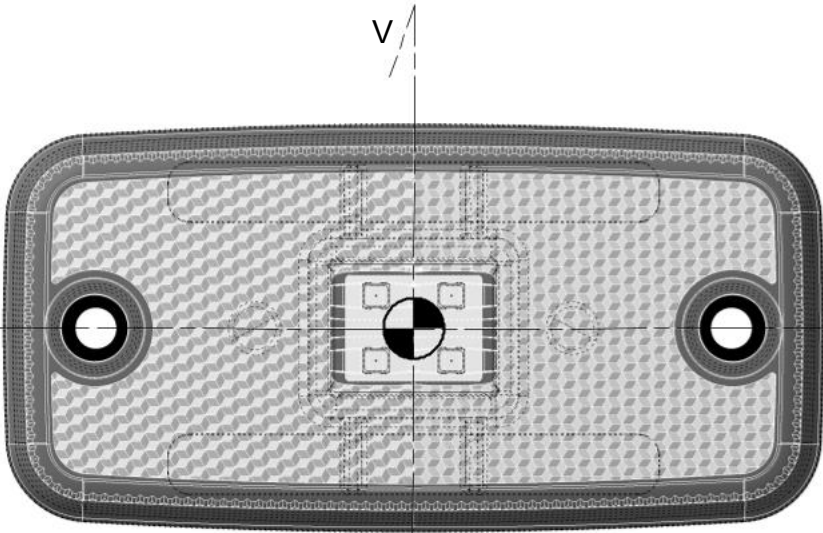
Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm²	

forward driving direction



Right view
Scale: 1:1

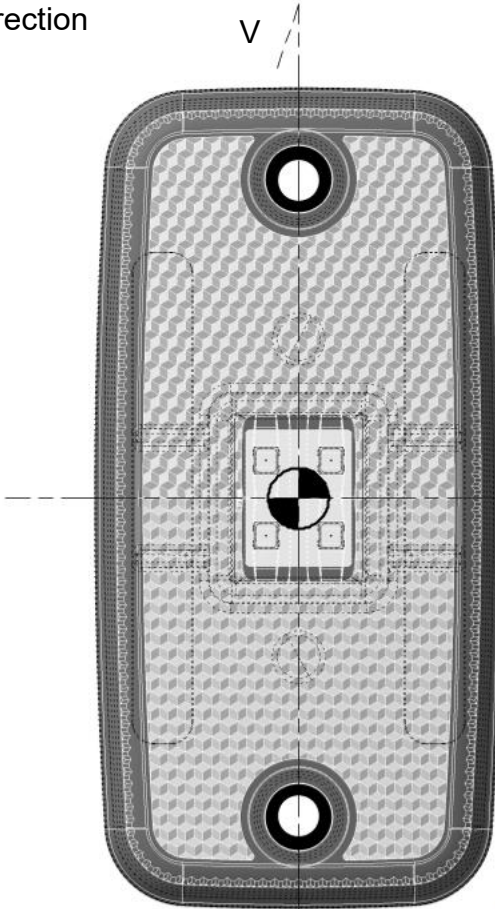


Front view
Scale: 1:1

forward driving direction



Right view
Scale: 1:1



Front view
Scale: 1:1

Manufacturer:
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Drawn by: Karol Jonoszak
Date: 09-10-2024
Sheet: 6 of 7

Type:
FT-019 B LED

LED front position lamp with reflex reflector

Light source:

LED CHIP SMD chip mounted
4 LED's white light color

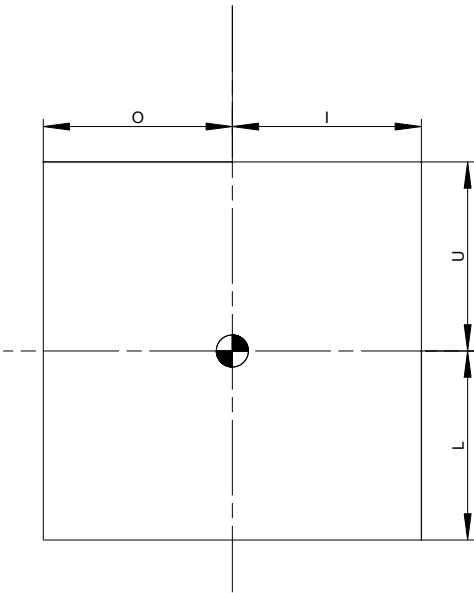
Description:

lighting surface

This drawing is a part of the application for approval

Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



lighting surface				
function	U (upper limit) [mm]	L (lower limit) [mm]	O (outer limit) [mm]	I (inner limit) [mm]
IA	27	27	54,4	54,4
A	7,5	7,5	11	11

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

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

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Drawn by:	Date:	Sheet:
Karol Jonoszak	09-10-2024	7 of 7

Type:
FT-019 B LED

LED front position lamp with reflex reflector

Light source: LED CHIP SMD chip mounted 4 LED's white light color	Description: variants / tradenames This drawing is a part of the application for approval
--	--

Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC-ABS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	

FT-019 B LED	Clearance Lamp LED 12-36V, white with reflector and a loom 0,5m.
FT-019 B LED Mxx	Clearance Lamp LED 12-36V, white with reflector and a loom xxm.
FT-019 B LED QS075	Clearance Lamp LED 12-36V, white with reflector a loom lenght 0,5m and connector QS075.
FT-019 B LED QS075 Mxx	Clearance Lamp LED 12-36V, white with reflector a loom lenght xxm and connector QS075.
FT-019 B LED QS150	Clearance Lamp LED 12-36V, white with reflector a loom lenght 0,5m and connector QS150.
FT-019 B LED QS150 Mxx	Clearance Lamp LED 12-36V, white with reflector a loom lenght xxm and connector QS150.
FT-019 B+K LED	Clearance Lamp LED 12-36V, white with reflector and an angle holder, cable 0,5m.
FT-019 B+K LED Mxx	Clearance Lamp LED 12-36V, white with reflector and an angle holder, cable Mxx.
FT-019 B+K LED QS075	Clearance Lamp LED 12-36V, white with reflector and an angle holder, cable 0,5m and connector QS075.
FT-019 B+K LED QS075 Mxx	Clearance Lamp LED 12-36V, white with reflector and an angle holder, cable Mxx and connector QS075.
FT-019 B+K LED QS150	Clearance Lamp LED 12-36V, white with reflector and an angle holder, cable 0,5m and connector QS150.
FT-019 B+K LED QS150 Mxx	Clearance Lamp LED 12-36V, white with reflector and an angle holder, cable Mxx and connector QS150.

* where x is a digit between 0-9

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