



MINISTERIO
DE INDUSTRIA
Y TURISMO

SECRETARÍA DE ESTADO DE
INDUSTRIA

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



A-E9-02.11304 Ext.I
Página / Page 1/3

COMUNICACIÓN / COMMUNICATION:

Concerniente a ⁽¹⁾: ~~LA CONCESIÓN DE HOMOLOGACIÓN~~
~~LA EXTENSIÓN DE HOMOLOGACIÓN~~
~~LA DENEGACIÓN DE HOMOLOGACIÓN~~
~~LA RETIRADA DE HOMOLOGACIÓN~~
~~EL CESE DEFINITIVO DE PRODUCCIÓN~~
Concerning ⁽¹⁾: ~~APPROVAL GRANTED~~
~~APPROVAL EXTENDED~~
~~APPROVAL REFUSED~~
~~APPROVAL WITHDRAWN~~
~~PRODUCTION DEFINITELY DISCONTINUED~~

de un tipo de dispositivo en aplicación del Reglamento N° 7.
of a type of device pursuant to Regulation No.7.

N° de homologación / Approval No.: A-E9-02.11304 Ext.I

Extensión N° / Extension No.: 01

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-001 B LED
3. Nombre y dirección del fabricante / Manufacturer's name and address:
FRISTOM SPÓLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA SPÓLKA KOMANDYTOWA
ul. Przemysłowa 5, 86-014, Sicienko, BYDGOSZCZ (POLONIA / POLAND)

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 by manufactured in any of the Manufacturing Plants declared in Annex I of the Conformity Production
Certificate in force issued by the UCA.
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: 06/03/2024
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: 03/06/2024
8. Número del informe emitido por dicho servicio / Number of report issued by that service: PC13100133,
PC21010319 (REV.01), **PC24020030**

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



Firmado el 20/06/2024 18:37:02 : JORDI GARCIA BRUSTENGA, Director General de Estrategia Industrial y de la Pyme de Dirección General de Estrategia Industrial y de la Pequeña y Mediana Empresa.



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9. Breve descripción / *Concise description:*

9.1. Por categoría de luz / *By category of lamp:* Luz de posición delantera / *Front position lamp*

- Para la instalación en el exterior ~~o en el interior o ambos~~ ⁽¹⁾ / *For mounting either outside or inside or both* ⁽¹⁾
- Color de la luz emitida / *Colour of the light emitted:* ~~rojo~~ + *red* - blanco / *white* ⁽¹⁾
- Número, categoría(s) y tipo de la(s) fuente(s) luminosa(s) / *Number, category and kind of light source(s):*
3 x LED
- Voltaje y potencia / *Voltage and wattage:* 12V/24V ; 0,50W/1W
- Código de identificación específico del módulo de fuente de luz / *Light source module specific identification code:* ---
- Solamente para instalación limitada en altura igual o inferior a 750 mm por encima del suelo / *Only for limited mounting height of equal to or less than 750 mm above the ground:* ~~si~~ + *yes* - no / *no* ⁽¹⁾
- Condiciones geométricas de instalación y variaciones relacionadas, en su caso / *Geometrical conditions of installation and relating variations, if any:* Instalación vertical y horizontal / *Vertical and horizontal assembly.*
- Aplicación de una guía de control electrónica/control de intensidad variable de la fuente luminosa / *Application of an electronic light source control gear/variable intensity control:*
 - a) formando parte de la luz / *being part of the lamp:* ~~si~~ + *yes* - no / *no* ⁽¹⁾
 - b) no formando parte de la luz / *being not part of the lamp:* ~~si~~ + *yes* - no / *no* ⁽¹⁾
- Tensión(es) de entrada suministrada(s) por la guía de control electrónica/control de intensidad variable de 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 / *Variable luminous intensity:* ~~si~~ + *yes* - no / *no* ⁽¹⁾
- La luz de posición delantera / ~~luz de posición trasera / luz de pare / luz de galibo~~ ⁽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* ⁽¹⁾ is only for use on a vehicle fitted with a tell-tale indicating failure: ~~si~~ + *yes* - no / *no* ⁽¹⁾

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



Firmado el 20/06/2024 18:37:02 : 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.



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9.2. Función(es) producida por una lámpara interdependiente que forma parte de un sistema de lámparas interdependientes / Function(s) produced by an interdependent lamp forming part of an interdependent lamp system:

Luz de posición delantera / Front position lamp:	sí / yes - no / no ⁽¹⁾
R1 Luz de posición trasera / R1 Rear position lamp:	sí / yes - no / no ⁽¹⁾
R2 Luz de posición trasera / R2 Rear position lamp:	sí / yes - no / no ⁽¹⁾
S1 Luz de pare / S1 Stop lamp:	sí / yes - no / no ⁽¹⁾
S2 Luz de pare / S2 Stop lamp:	sí / yes - no / no ⁽¹⁾
S3 Luz de pare / S3 Stop lamp:	sí / yes - no / no ⁽¹⁾
S4 Luz de pare / S4 Stop lamp:	sí / yes - no / no ⁽¹⁾
Luz de gálibo / End-outline marker lamp:	sí / yes - no / no ⁽¹⁾

10. Posición de la marca de homologación / Position of the approval mark: Marcado en la lente / Marked on lampshade.

11. Motivos de la extensión (en su caso) / Reason(s) of extension (if applicable):

- Nuevo diseño catadióptrico. / New reflex reflector design.
- Nuevas marcas de homologación. / New approval marks.
- Nuevos parámetros eléctricos y parámetros de marcaje. / New electric parameters and parameter markings.

12. Se ~~concede~~/~~deniega~~/extiende/~~retira~~ la homologación ⁽¹⁾ / Approval ~~granted~~/~~refused~~/extended/~~withdrawn~~ ⁽¹⁾

13. Lugar / Place: Madrid

14. Fecha / Date: Ver firma electrónica / See electronic signature

15. Firma / Signature:

EL DIRECTOR GENERAL DE ESTRATEGIA INDUSTRIAL Y DE LA PEQUEÑA Y MEDIANA EMPRESA

16. 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.

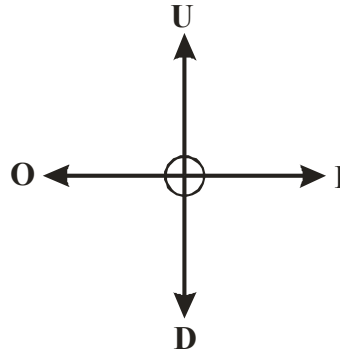
- Informe del ensayo / Test report
- Documentación suministrada por el fabricante / Documentation supplied by the manufacturer

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





SUPERFICIE ILUMINANTE / ILLUMINATING SURFACE

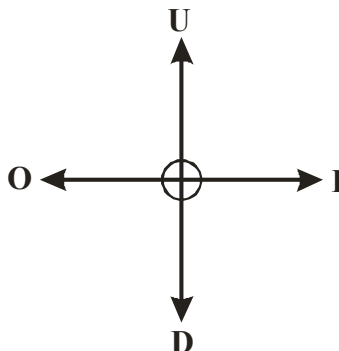


Límite superior / Upper boundary “U” (mm)	Límite inferior / Down boundary “D” (mm)	Límite interior / Inner boundary “I” (mm)	Límite exterior / Outer boundary “O” (mm)
3.60	3.60	10.0	10.0

- * 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



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)
10.0	10.0	3.60	3.60

Lugar del ensayo / *Test place*: L'Albornar, E-43710 Santa Oliva (Tarragona)

Fecha del ensayo / *Test date*: 06/03/2024

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.
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THE DECISION RULE USED, ACCORDING TO THE ILAC-G8 STANDARD, WAS THE BINARY STATEMENT FOR SIMPLE ACCEPTANCE

INFORMATION FOLDER:

FIRST APPLICATION
DATE: 16.04.2024

1. Specification data

Type	FT-001 B LED	
Trade name or mark	Fristom	
Variants	See drawing	
Function	Front position light A; reflex reflector cat IA	
Color	white light color	
Rated	Voltage	12V/24V
	Wattage	0,5/1 W
Applicable Regulation		R7 ; R150
Light Source and connection		See the drawing
Location of marking	Light Source marks	See the drawing
	Trade mark	Marked on lampshade
	Approval mark	Marked on lampshade

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:

- new reflex reflector design
- new approval marks
- new electric parameters and parameter markings

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: 16-01-2024	Sheet: 1 of 12
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Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

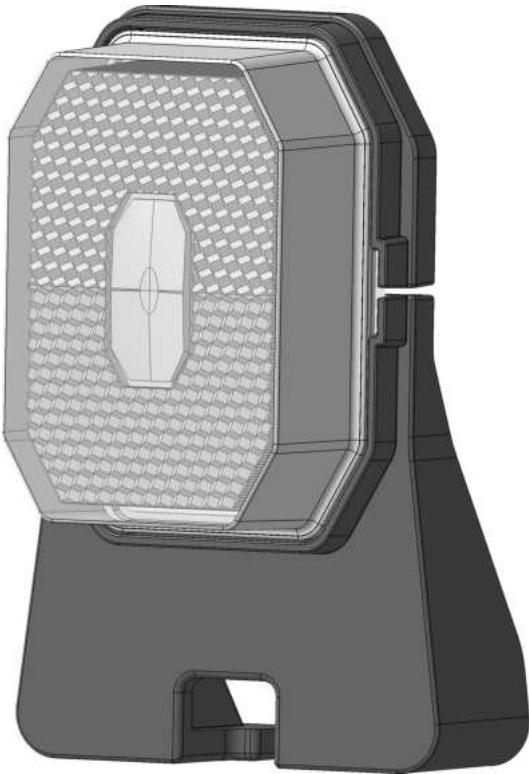
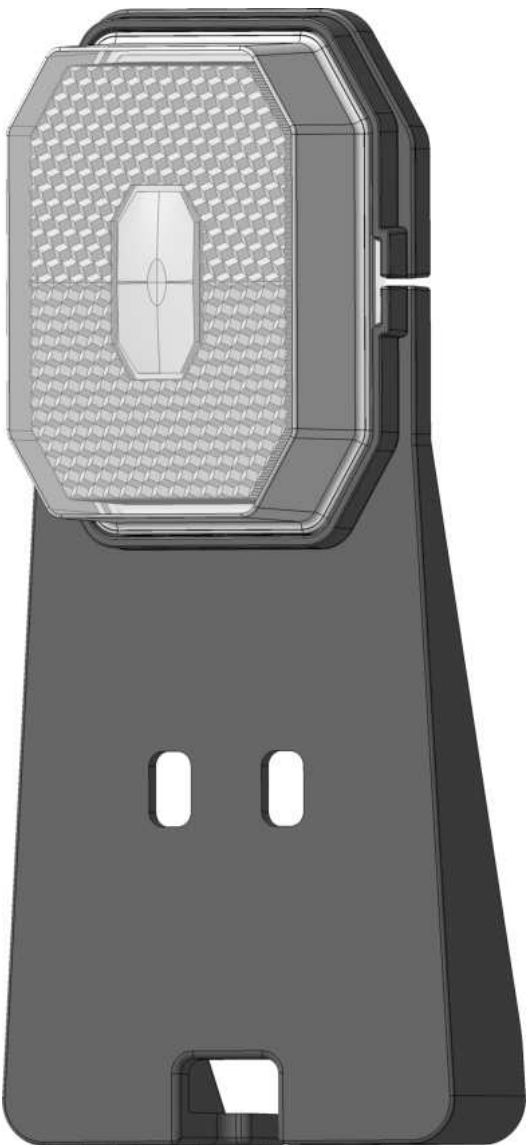
Light source:

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

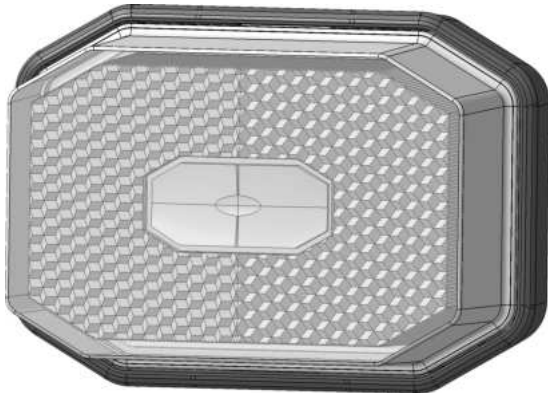
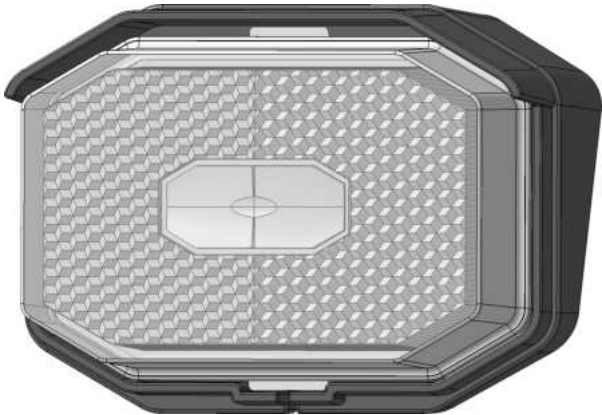
Description:
isometric lamp view

This drawing is a part of the application for approval

Material used in manufacturing :		
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



front position lamp A with
retro reflex reflector cat IA



Manufacturer:
FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.
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Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 2 of 12

Type: FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

Light source:

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

Description:

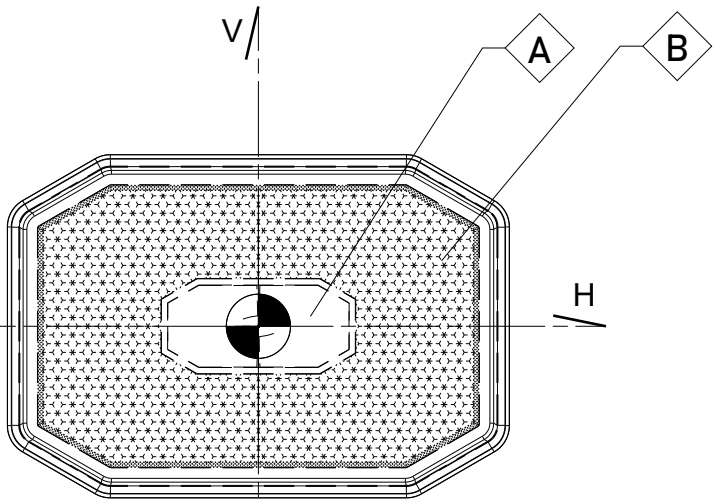
light function

This drawing is a part of the application for approval

Material used in manufacturing :

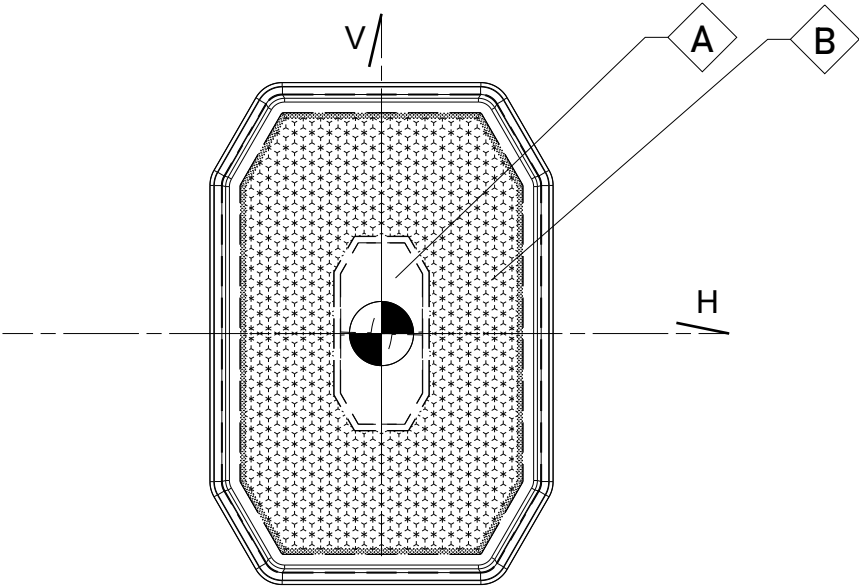
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	

horizontal assembly



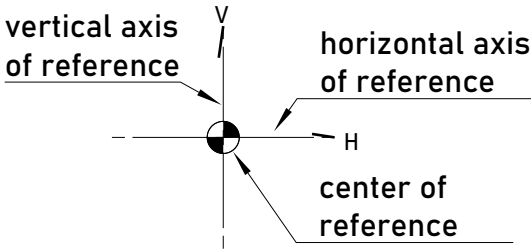
Front view
Scale: 1:1

vertical assembly



Front view
Scale: 1:1

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



Manufacturer:
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Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 3 of 12

Type: FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

Light source:

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

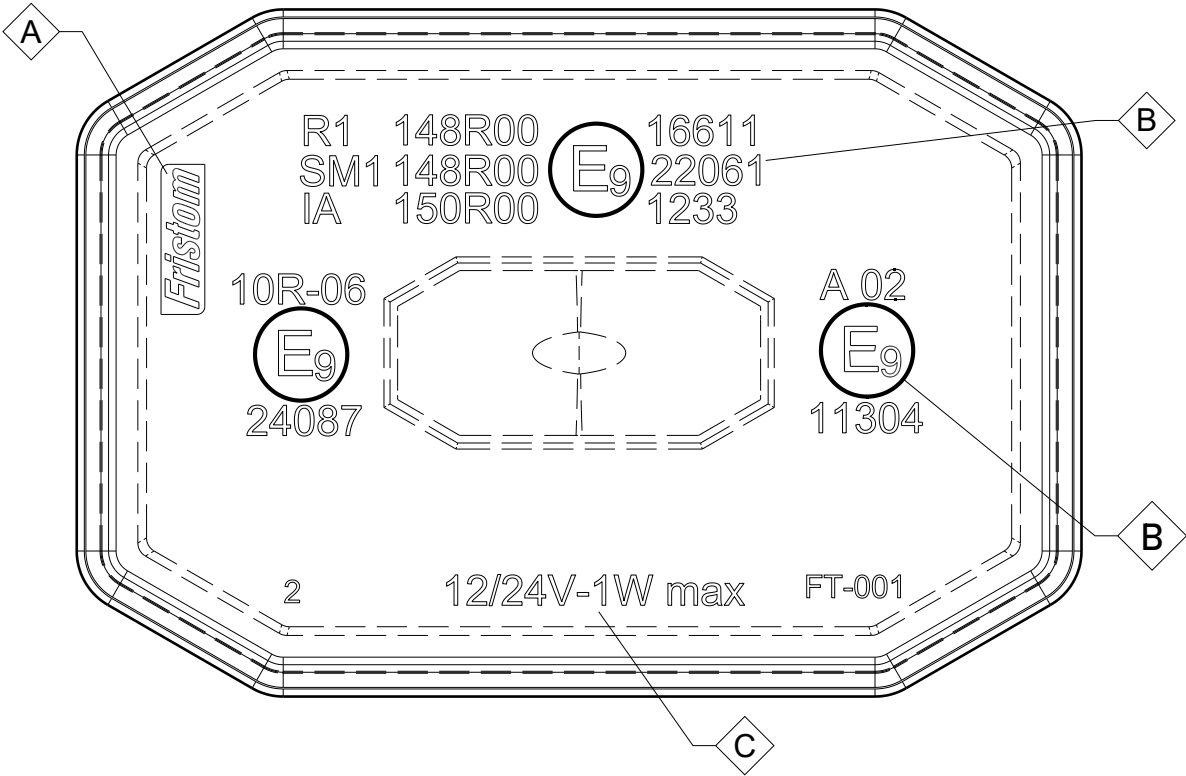
Description:

approval , trademark and electrical parameters markings

This drawing is a part of the application for approval

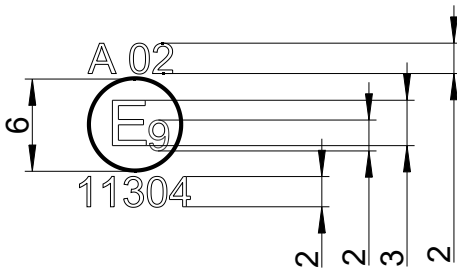
Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



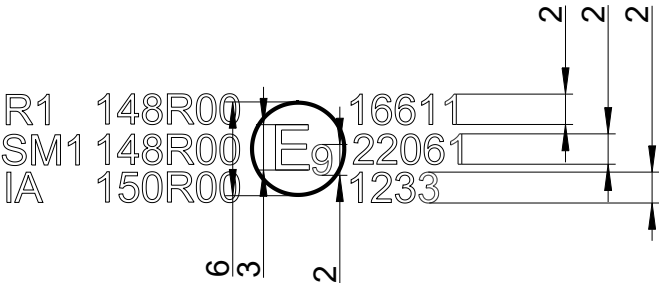
A	trademark location
B	approval number
C	electric parameters

approval dimensions



electrical data

12/24 V DC input
A;SM1-12V/24V=0,25W/0,5W
R1-12V/24V=0,5W/1W



Manufacturer:
FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.
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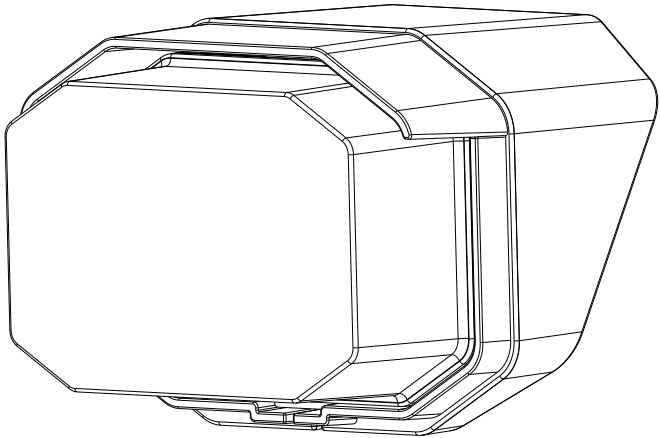
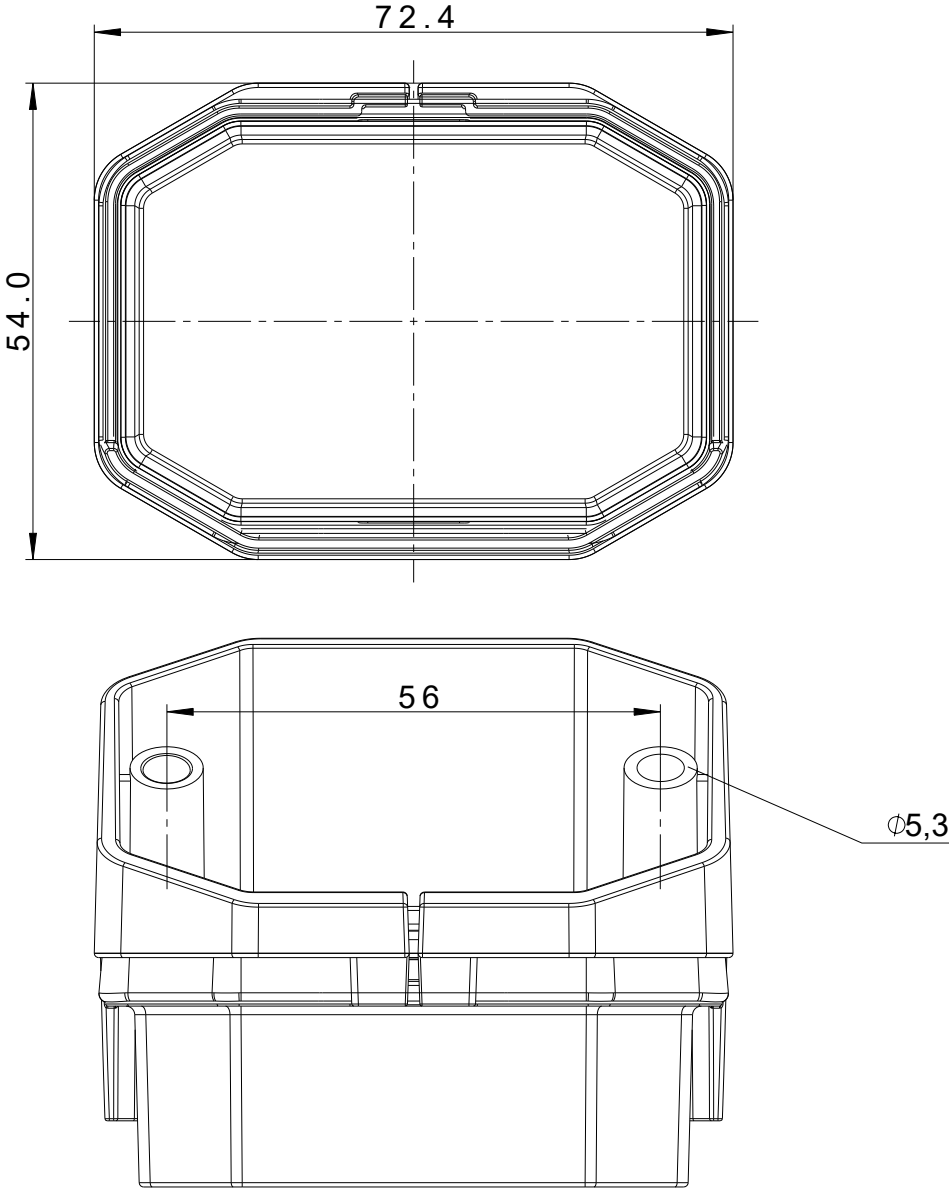
Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 4 of 12

Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

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

Description:
general lamp dimension , assembly variant
This drawing is a part of the application for approval

Material used in manufacturing :		
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



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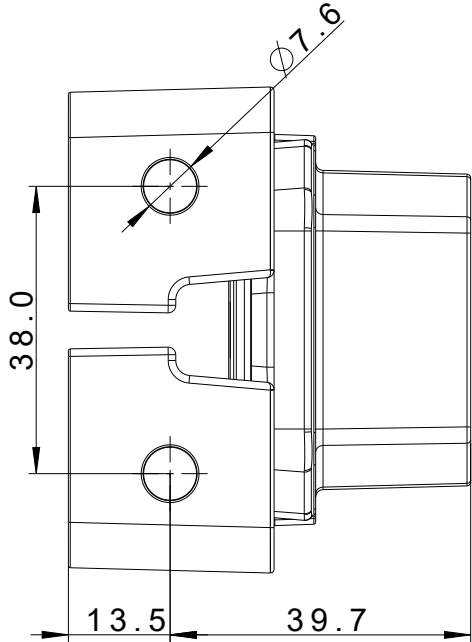
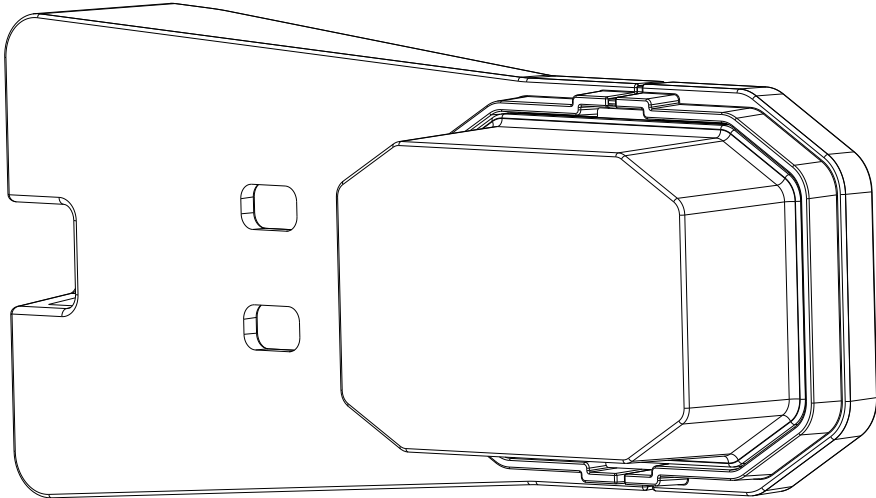
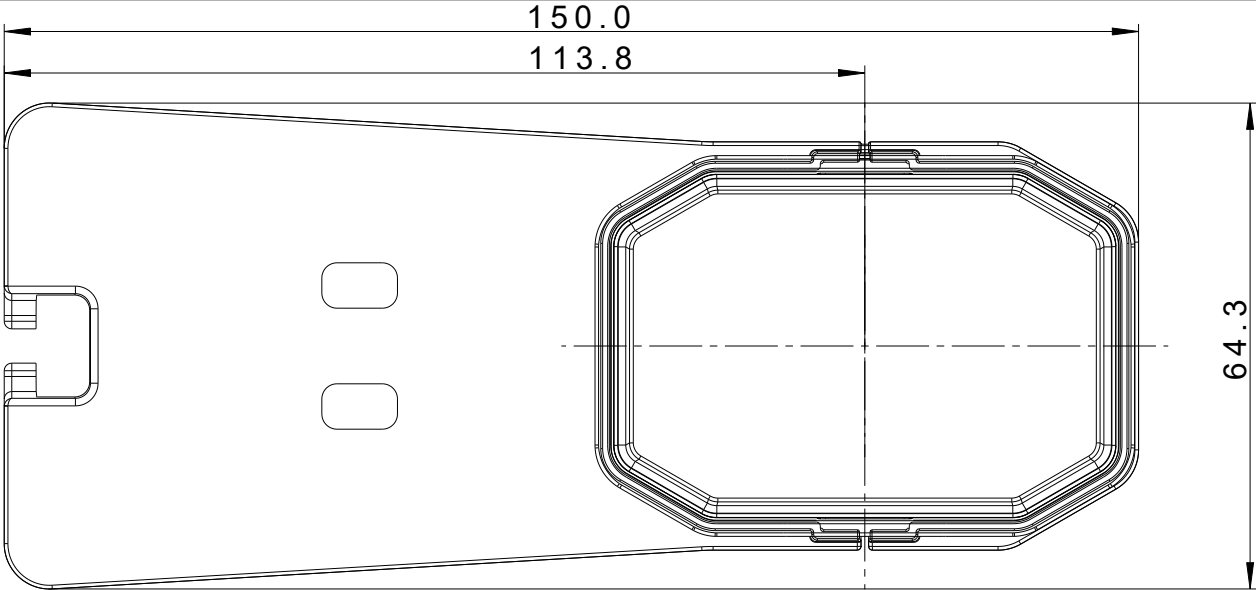
Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 5 of 12

Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

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

Description:
general lamp dimension , assembly variant
This drawing is a part of the application for approval

Material used in manufacturing :		
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



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Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 6 of 12

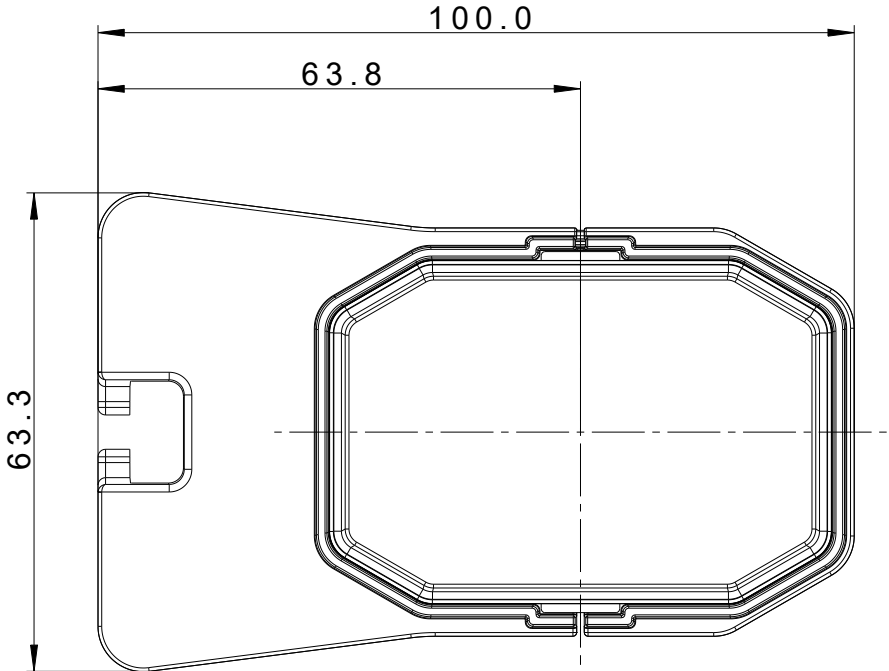
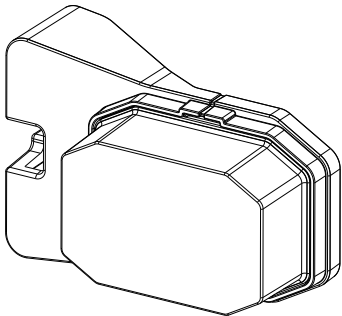
Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

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

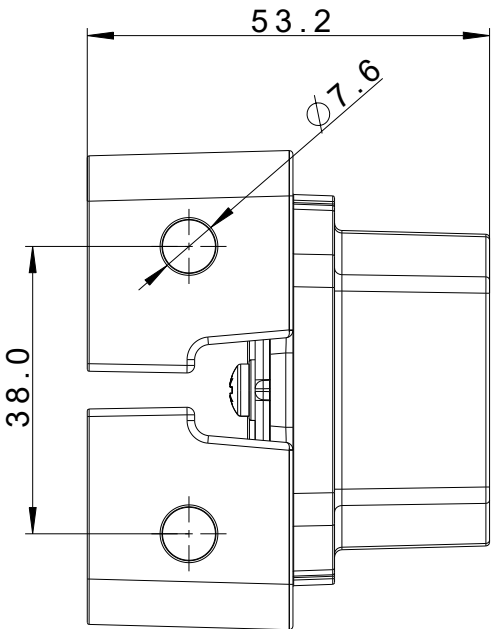
Description:
general lamp dimension , assembly variant
This drawing is a part of the application for approval

Material used in manufacturing :		
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	

Isometric view
Scale: 1:2



Front view
Scale: 1:1



Left view
Scale: 1:1

Manufacturer:
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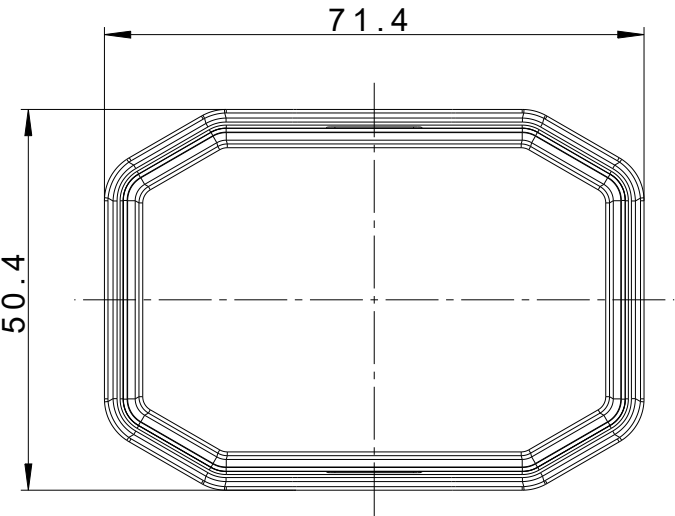
Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 7 of 12

Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

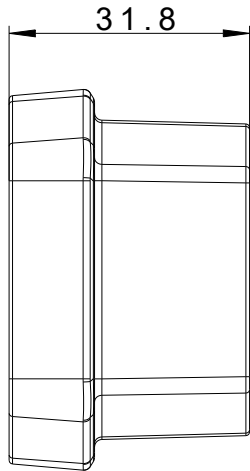
Light source:
LED CHIP SMD chip mounted
3 LED's white light color

Description:
general lamp dimension , assembly variant
This drawing is a part of the application for approval

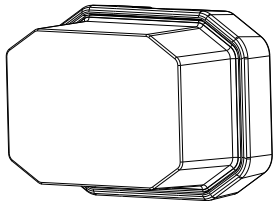
Material used in manufacturing :		
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



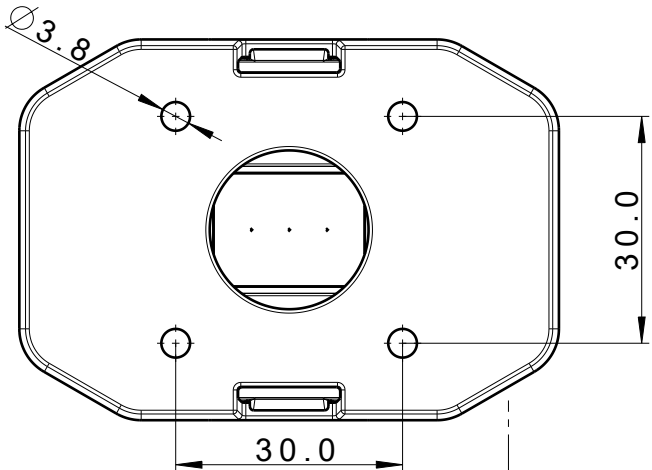
Front view
Scale: 1:1



Left view
Scale: 1:1



Isometric view
Scale: 1:2



Rear view
Scale: 1:1

Manufacturer:
FRISTOM Spółka z ograniczoną odpowiedzialnością Sp.K.
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Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 8 of 12

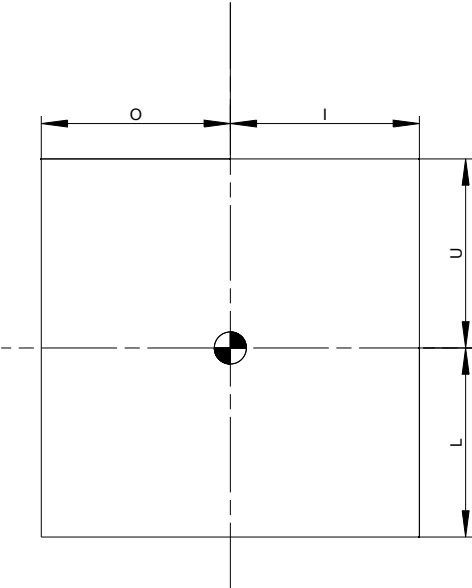
Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

Light source:
LED CHIP SMD chip mounted
3 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	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	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]
A	13	13	6,5	6,5

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

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

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Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 9 of 12

Type:

FT-001 B LED

front position LED lamp with reflex reflector cat IA - ext01

Light source:

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

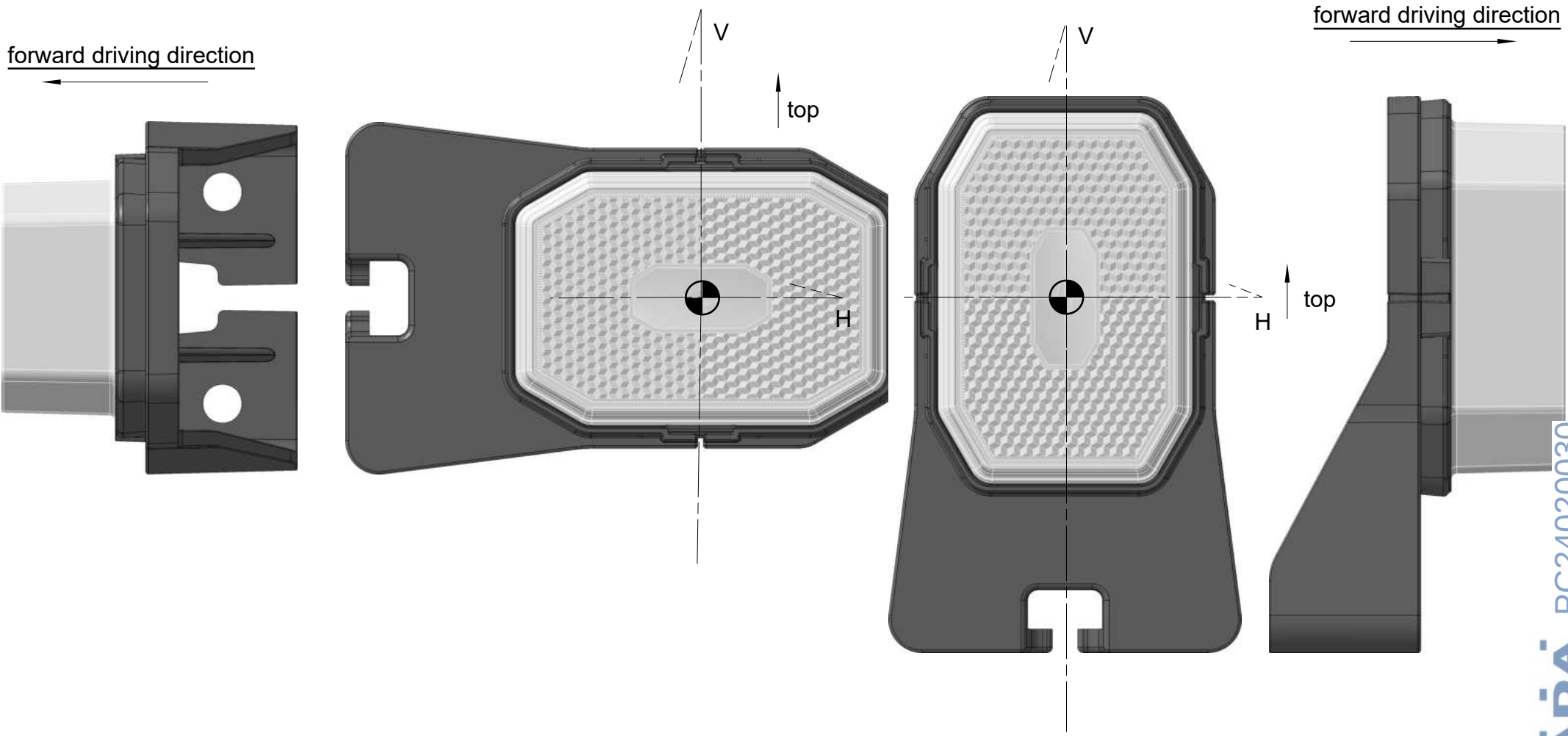
Description:

lamp position / assembly on vehicle

This drawing is a part of the application for approval

Material used in manufacturing :

part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



Manufacturer:
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Drawn by: Karol Jonoszak
Date: 16-01-2024
Sheet: 10 of 12

Type: FT-001 B LED

front position LED lamp with reflex reflector cat IA - ext01

Light source:

LED CHIP SMD chip mounted
3 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	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	

Index	Description
FT-001 B LED	White LED clearance lamp with a reflector and a cable.
FT-001 B LED Mxx	White LED clearance lamp with a reflector and a cable Mxx long.
FT-001 B LED QS075	White LED clearance lamp with a reflector, a cable and a QS075 connector.
FT-001 B LED QS075 Mxx	White LED clearance lamp with a reflector, a cable Mxx long and a QS075 connector.
FT-001 B LED QS150	White LED clearance lamp with a reflector, a cable and a QS150 connector.
FT-001 B LED QS150 Mxx	White LED clearance lamp with a reflector, a cable Mxx long and a QS150 connector.
FT-001 BI LED	White LED clearance lamp with a reflector, an angle holder and a cable.
FT-001 BI LED Mxx	White LED clearance lamp with a reflector, an angle holder and a cable Mxx long.
FT-001 BI LED QS075	White LED clearance lamp with a reflector, an angle holder, a cable and a QS075 connector
FT-001 BI LED QS075 Mxx	White LED clearance lamp with a reflector, an angle holder, a cable Mxx long and a QS075 connector
FT-001 BI LED QS150	White LED clearance lamp with a reflector, an angle holder, a cable and a QS150 connector
FT-001 BI LED QS150 Mxx	White LED clearance lamp with a reflector, an angle holder, a cable Mxx long and a QS150 connector
FT-001 BII LED	White LED clearance lamp with a reflector, a flat holder and a cable.
FT-001 BII LED Mxx	White LED clearance lamp with a reflector, a flat holder and a cable Mxx long.
FT-001 BII LED QS075	White LED clearance lamp with a reflector, a flat holder, a cable and a QS075 connector.
FT-001 BII LED QS075 Mxx	White LED clearance lamp with a reflector, a flat holder, a cable Mxx and a QS075 connector.
FT-001 BII LED QS150	White LED clearance lamp with a reflector, a flat holder, a cable and a QS150 connector.
FT-001 BII LED QS150 Mxx	White LED clearance lamp with a reflector, a flat holder, a cable Mxx and a QS150 connector.
FT-001 BIII LED	White LED clearance lamp with a reflector, short holder and a cable.
FT-001 BIII LED Mxx	White LED clearance lamp with a reflector, short holder and a cable Mxx long.
FT-001 BIII LED QS075	White LED clearance lamp with a reflector, a short holder, a cable and a QS075 connector.
FT-001 BIII LED QS075 Mxx	White LED clearance lamp with a reflector, a short holder, a cable Mxx long and a QS075 connector.
FT-001 BIII LED QS150	White LED clearance lamp with a reflector, a short holder, a cable and a QS150 connector.
FT-001 BIII LED QS150 Mxx	White LED clearance lamp with a reflector, a short holder, a cable Mxx long and a QS150 connector.
FT-001 BIV LED	White LED clearance lamp with a reflector, long holder and a cable.
FT-001 BIV LED Mxx	White LED clearance lamp with a reflector, long holder and a cable Mxx long.
FT-001 BIV LED QS075	White LED clearance lamp with a reflector, a long holder, a cable and a QS075 connector.
FT-001 BIV LED QS075 Mxx	White LED clearance lamp with a reflector, a long holder, a cable Mxx long and a QS075 connector.
FT-001 BIV LED QS150	White LED clearance lamp with a reflector, a long holder, a cable and a QS150 connector.
FT-001 BIV LED QS150 Mxx	White LED clearance lamp with a reflector, a long holder, a cable Mxx long and a QS150 connector.
FT-001 BV LED	White LED clearance lamp with a reflector, a fender holder and a cable.
FT-001 BV LED Mxx	White LED clearance lamp with a reflector, a fender holder and a cable Mxx long.
FT-001 BV LED QS075	White LED clearance lamp with a reflector, a fender holder, a cable and a QS075 connector.
FT-001 BV LED QS075 Mxx	White LED clearance lamp with a reflector, a fender holder, a cable Mxx and a QS075 connector.
FT-001 BV LED QS150	White LED clearance lamp with a reflector, a fender holder, a cable and a QS150 connector.
FT-001 BV LED QS150 Mxx	White LED clearance lamp with a reflector, a fender holder, a cable Mxx and a QS150 connector.

* where x is a digit between 0-9

Manufacturer:
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Drawn by: Karol Jonoszak	Date: 16-01-2024	Sheet: 11 of 11
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Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

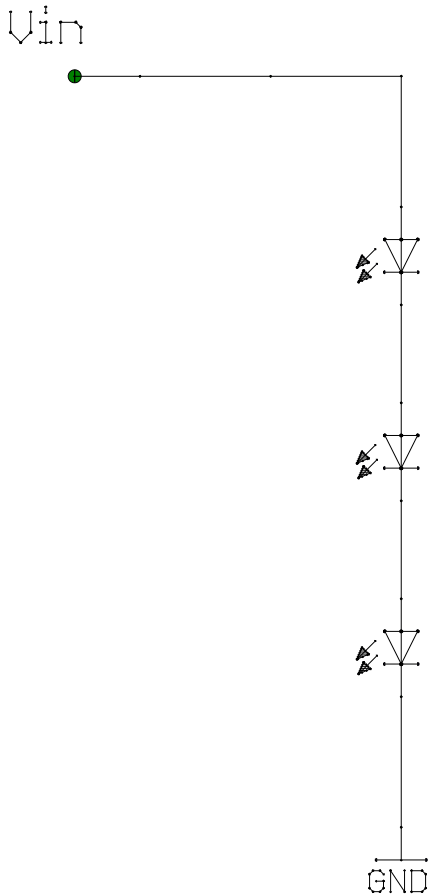
Light source:

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

Description:

led connection
This drawing is a part of the application for approval

Material used in manufacturing :		
part	material	color
lampshade	PMMA	clear transparent
housing	PC/ABS	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



Manufacturer:
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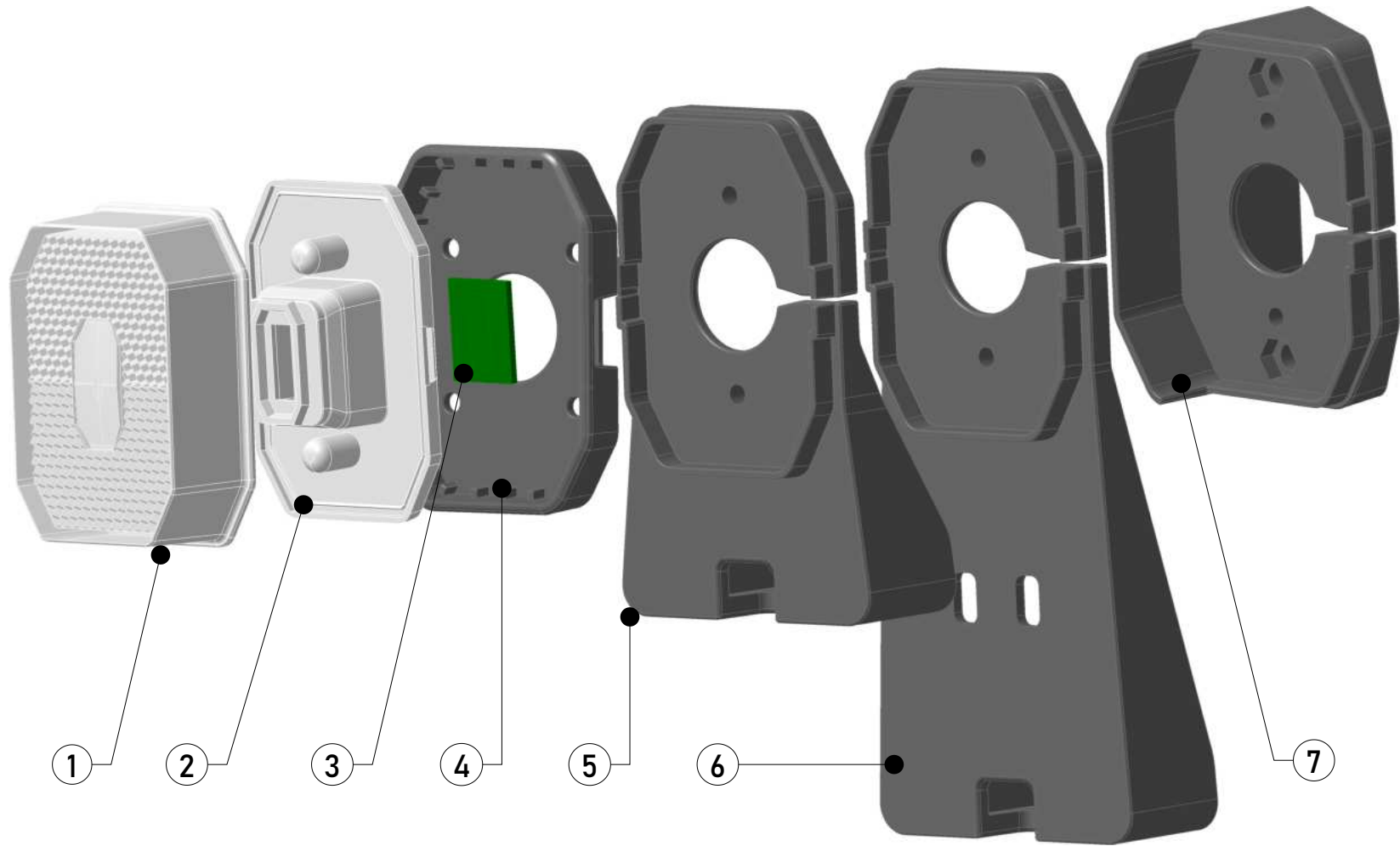
Drawn by: Karol Jonoszak
Date: 13-02-2024
Sheet: 11 of 12

Type:
FT-001 B LED
front position LED lamp with reflex reflector cat IA - ext01

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

Description:
exploded 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	white
fixing frame	PBT	black
bracket	PP+TPE SEBS	black
PCB	FR4	
sealing	potting compound - epoxy resin	
cable	2 x0.75 mm ²	



	part
1	Lampshade
2	Housing
3	PCB
4	fixing frame
5	Short bracket
6	Long bracket
7	Fender bracket