



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Homologation N°

RL.009.22

Date

27.04.2022

FICHE DE PRESENTATION DES FEUX DE PLUIE POUR VOITURES DE COURSE (NORME FIA 8874-2019)
PRESENTATION FORM FOR RACE CAR RAIN LIGHTS (FIA STANDARD 8874-2019)

1. GENERALITES / GENERAL

101. CONSTRUCTEUR / MANUFACTURER

CARTEK AUTOMOTIVE ELECTRONICS LTD

- a) Adresse
Address UNIT 25 MITCHELL POINT, ENSIGN WAY, SOUTHAMPTON, SO31 4RF, UNITED KINGDOM
- b) Téléphone
Phone +44 (0)2380 457747
- c) E-mail
E-mail INFO@CARTEKMOTORSPORT.COM

102. PHOTO DES FEUX DE PLUIE / PICTURE OF THE RAIN LIGHTS

FRONT



SIDE



REAR



3/4



Cette photo n'est fournie qu'à titre d'exemple et la couleur du boîtier peut être modifier
This photo is just an example and the colour of the casing may change.

103. MODELE DES FEUX DE PLUIE / RAIN LIGHTS MODEL

- a) Modèle
Model CK-LRS-15R

Marque
Make

CARTEK AUTOMOTIVE
ELECTRONICS LTD

Modèle
Model

CK-LRS-15R

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2. DETAILS DES FEUX DE PLUIE / DETAILS OF THE RAIN LIGHTS

201. DETAILS TECHNIQUES/TECHNICAL DETAILS

201.01	Couleur des Leds / <i>Colour of the Leds</i>	RED
201.02	Grade / <i>Grade</i>	2
201.03	Dimensions / <i>Dimensions (cm)</i>	9.10X5.65X1.40
201.04	Nombre de Leds / <i>Number of Leds</i>	15
201.06	Période d'utilisation / <i>Utilisation period</i>	Jour et Nuit / <i>Day and Night</i>
201.07	Matériau du boîtier / <i>Casing material</i>	EPOXY RESIN
201.08	Mode de fonctionnement / <i>Type of operation</i>	Clignotant Statique / <i>Static Flashing</i>
	Si clignotant : Fréquence de clignotement et rapport cyclique / <i>If flashing : flashing frequency and duty cycle</i>	4 Hz ; 50% <i>Duty cycle</i>
201.09	Tensions minimale et maximale / <i>Minimum and maximum voltage</i>	11.3 MIN 15.6 MAX
201.10	Méthode d'utilisation / <i>Usage method</i>	Seul / <i>Stand-alone</i>

202. ORIENTATION DU FEU DE PLUIE / ORIENTATION OF THE RAIN LIGHT

202.01 Méthode d'orientation / Orientation method

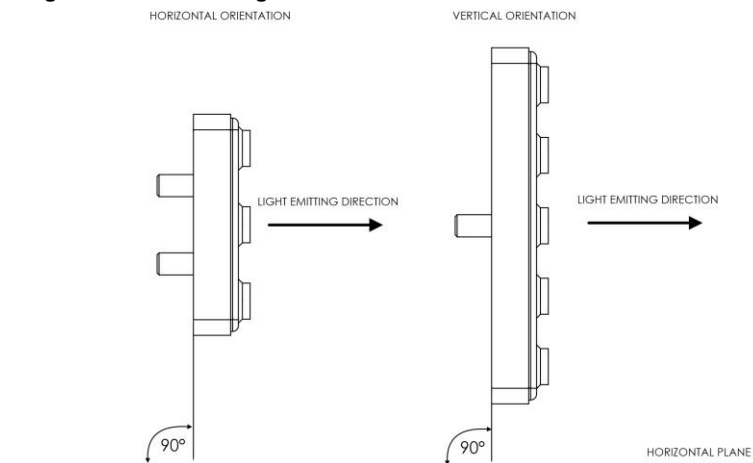
Verticale & Horizontale / Vertical & Horizontal

202.02 Schéma de l'orientation du feu de pluie / Diagram of the orientation of the rain light



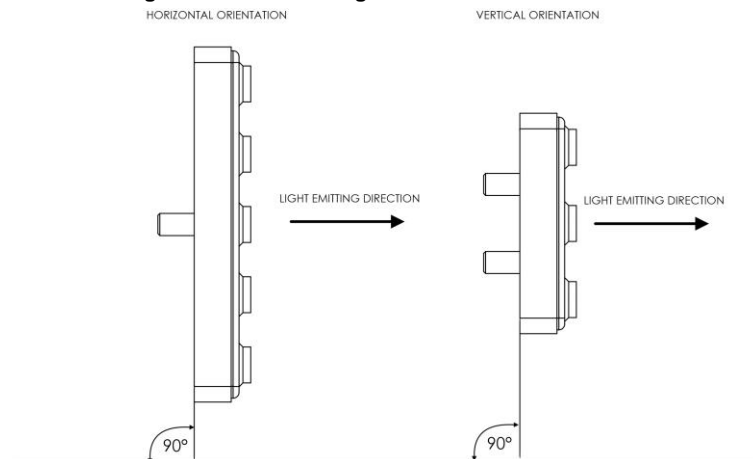
202.03 Vue latérale du feu de pluie installée dans la voiture / Side view of the rain light installed in the car

Add a technical drawing of the rain light in side view showing the angle between horizontal and back of the rain light (or a reference surface of the light). **The tolerance on the angle is fixed to +/-2 deg.**



202.04 Vue de dessus du feu de pluie installée dans la voiture / Top view of the rain light installed in the car

Add a technical drawing of the rain light in top view showing the angle between longitudinal axis and back of the rain light (or a reference surface of the light). **The tolerance on the angle is fixed to +/-2 deg.**



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3. ETIQUETTES D'HOMOLOGATION / *HOMOLOGATION LABELS*

301. ETIQUETTES / *LABELS*

a) Dimensions [mm]
Dimensions [mm]

Etiquette d'homologation
Homologation label

34.5 x 22.7

B1-1) Etiquette d'homologation et autocollant FIA placés sur le boîtier
Homologation label and FIA sticker affixed on the casing



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INFORMATIONS COMPLEMENTAIRES / COMPLEMENTARY INFORMATION

There are three options of the CK-LRS-15R:

- 1) CK-LRS-15RS - 15 LED rectangular design with 2-wire connection offering static only display (non-flashing).
- 2) CK-LRS-15RM - 15 LED rectangular design with 3-wire connection offering static display and 4Hz flashing selected by applying +12V power to the appropriate wire.
- 3) CK-LRS-15RC - 15 LED rectangular design with 4-wire connection offering static display and 4Hz flashing selected by transmitting appropriate CAN-Bus message.

The CK-LRS-15R can also be mounted in Horizontal position as seen in below picture.



There homologation label dimensions are authorized to be 34.5x22.7mm, due to limited space.