



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY


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COMMUNICATION CONCERNING THE APPROVAL GRANTED<sup>(4)</sup>/ APPROVAL EXTENDED<sup>(1)</sup>/  
APPROVAL REFUSED<sup>(4)</sup>/ APPROVAL WITHDRAWN<sup>(4)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED<sup>(4)</sup> OF A TYPE OF DIRECTION INDICATOR PURSUANT TO REGULATION NO 6.01

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Approval No: E11\*06R01/28\*50058\*01

1. Trade name or mark of the device: Speaker or 
2. Manufacturer's name for the type of device: EVO J3, 8700 EVO3 - RHT
3. Manufacturer's name and address:  
  
J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
U.S.A
4. If applicable, name and address of the manufacturer's representative: not applicable
5. Submitted for approval on: as before and 25 June 2020
6. Technical Service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of test report issued by that Service: as before
8. Number of test report issued by that Service: as before

9. Concise description: front direction indicator

Category: ~~1, 1a, 1b, 2a, 2b, 5, 6~~<sup>(1)</sup>

Number, category: 12, LED

Function(s) produced by an interdependent lamp forming part of an interdependent lamps systems: not applicable

Voltage and wattage: 12-24 volts, 30 watts

Light source module specific identification code: not applicable

Only for limited mounting height of equal to or less than 750 mm above the ground: ~~YES~~/ NO <sup>(1)</sup>

Geometrical conditions of installation and relating variations, if any: refer to manufacturer's documentation

Application of an electronic light source control gear /~~variable intensity control~~:

(a) Being part of the lamp: YES /~~NO~~<sup>(4)</sup>

(b) Being not part of the lamp: ~~YES~~/ NO <sup>(1)</sup>

Input voltage(s) supplied by an electronic light source control gear /~~variable intensity control~~: not applicable

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): not applicable

Variable luminous intensity: ~~YES~~/ NO <sup>(1)</sup>

Sequential activation of light sources  
(see paragraph 5.6. of this Regulation): ~~YES~~/ NO <sup>(1)</sup>

10. Position of the approval mark: on the bezel

11. Reason(s) for extension (if applicable): 1) New D-lenses for passing-driving beam  
2) Add new component numbers

12. Approval ~~GRANTED~~/ EXTENDED /~~REFUSED~~/~~WITHDRAWN~~: <sup>(1)</sup>

13. Place: BRISTOL

14. Date: 30 JUNE 2020

15. Signature: 

D LAWLOR  
Chief Technical and Statutory Operations Officer

16. 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.

Any remarks: LED Module(s): Non-replaceable; 3455560 or 3459250 (RH), 3455710 or 3459260 (LH)  
Component Number(s): Non-Heated

Grey - 0556520 (RH), 0556530 (LH)

Black - 0557330 (RH), 0557340 (LH)

Chrome – 0558160 (RH), 0558170 (LH)

Heated

Grey - 0556540 (RH), 0556550 (LH)

Black - 0557350 (RH), 0557360 (LH)

Chrome – 0558200 (RH), 0558210 (LH)

(1) Strike out what does not apply.



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11\*06R01/28\*50058\*01

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**Date of Initial Clearance    Nov            2013**

**Date of Last Clearance    Jun            2019**

Total number of sheets: 19 (Nineteen)

Reasons for Revision:    See approval certificate

Revision Date  
&  
Office Stamp






THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED<sup>(4)</sup>/ APPROVAL EXTENDED<sup>(1)</sup>/  
APPROVAL REFUSED<sup>(4)</sup>/ APPROVAL WITHDRAWN<sup>(4)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED<sup>(4)</sup> OF A TYPE OF DEVICE PURSUANT TO REGULATION NO. 7.02



Approval No: E11\*07R02/27\*50058\*01

1. Trade name or mark of the device: speaker or 
2. Manufacturer's name for the type of device: EVO J3, 8700 EVO3 - RHT
3. Manufacturer's name and address:  
J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
U.S.A
4. If applicable, name and address of the manufacturer's representative: not applicable
5. Submitted for approval on: as before and 25 June 2020
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of report issued by that service: as before
8. Number of report issued by that service: as before

9. Concise description: front position incorporated in a headlamp

9.1. By category of lamp: A

For mounting either outside ~~or inside or both~~<sup>(1)</sup>

Colour of light emitted: ~~red~~/ white<sup>(1)</sup>

Number, category and kind of light source(s): 12, LED

Voltage and wattage: 12-24 volts, 5.4 watts

Light source module specific identification code: not applicable

Only for limited mounting height of equal to or less than 750 mm above the ground: ~~yes~~/ no<sup>(1)</sup>

Geometrical conditions of installation and relating variations, if any: refer to manufacturer's documentation

Application of an electronic light source control gear ~~/variable intensity control~~:

(a) Being part of the lamp: ~~yes~~ / no<sup>(4)</sup>

(b) Being not part of the lamp: ~~yes~~ / no<sup>(1)</sup>

Input voltage(s) supplied by an electronic light source control gear ~~/variable intensity control~~: not applicable

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): not applicable

Variable luminous intensity: ~~yes~~ / no<sup>(1)</sup>

The front position lamp<sup>1</sup>, ~~rear position lamp,~~<sup>(4)</sup> ~~stop lamp,~~<sup>(4)</sup> ~~end-outline marker lamp~~<sup>(4)</sup> is only for use on a vehicle fitted with a tell-tale indicating failure: ~~yes~~ / no<sup>(1)</sup>

9.2 Function(s) produced by an interdependent lamp forming part of an interdependent lamp system:

Front position lamp	<del>YES</del> / NO <sup>(1)</sup>
R1 Rear position lamp	<del>YES</del> / NO <sup>(1)</sup>
R2 Rear position lamp	<del>YES</del> / NO <sup>(1)</sup>
S1 Stop lamp	<del>YES</del> / NO <sup>(1)</sup>
S2 Stop lamp	<del>YES</del> / NO <sup>(1)</sup>
S3 Stop lamp	<del>YES</del> / NO <sup>(1)</sup>
S4 Stop lamp	<del>YES</del> / NO <sup>(1)</sup>
End-outline marker lamp	<del>YES</del> / NO <sup>(1)</sup>



- 10. Position of the approval mark: on the bezel
- 11. Reason(s) for extension (if applicable): 1) New D-lenses for passing-driving beam  
2) Add new component numbers
- 12. Approval ~~GRANTED/REFUSED/ EXTENDED /WITHDRAWN~~: <sup>(1)</sup>
- 13. Place: BRISTOL
- 14. Date: 30 JUNE 2020

15. Signature:  D LAWLOR  
Chief Technical and Statutory Operations Officer

16. The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request.

Any remarks: LED Module(s): Non-replaceable; 3455560 or 3459250 (RH), 3455710 or 3459260 (LH)  
Component Number(s): Non-Heated

Grey - 0556520 (RH), 0556530 (LH)  
Black - 0557330 (RH), 0557340 (LH)  
Chrome – 0558160 (RH), 0558170 (LH)

Heated

Grey - 0556540 (RH), 0556550 (LH)  
Black - 0557350 (RH), 0557360 (LH)  
Chrome – 0558200 (RH), 0558210 (LH)

(1) Strike out what does not apply



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APPROVAL REFUSED<sup>(4)</sup>/ APPROVAL WITHDRAWN<sup>(4)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED<sup>(4)</sup> OF A TYPE OF DAYTIME RUNNING LAMP PURSUANT TO REGULATION NO:  
87.00

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Approval No: E11\*87R00/20\*50058\*01

1. Trade name or mark of the daytime running lamp: Speaker or 
2. Manufacturer's name for the type of daytime running lamp: EVO J3, 8700 EVO3 - RHT
3. Manufacturer's name and address:  
  
J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
U.S.A.
4. If applicable, name and address of the manufacturer's representative: not applicable
5. Submitted for approval on: as before and 25 June 2020
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of test report issued by that service: as before
8. Number of test report issued by that service: as before

9. Concise description: Daytime Running Lamp

By category of lamp: RL

Number, category and kind of light source(s): <sup>(2)</sup> 12, LED

Voltage and wattage: 12-24 volts, 30 watts

Application of an electronic light source control gear:

- being part of the lamp YES/ ~~NO~~<sup>(4)</sup>
- being not part of the lamp ~~YES~~ /NO <sup>(1)</sup>

Input voltage supplied by an electronic light source control gear: not applicable

Electronic light source control gear manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body): not applicable

The lamp is only for use on a vehicle fitted with a tell-tale indicating failure: YES/ NO <sup>(1)</sup>

10. The daytime running lamp is designed as an interdependent lamp system YES/ NO <sup>(1)</sup>

The interdependent lamp system consists of 2/3 <sup>(1)</sup> interdependent lamps.

11. Position of the approval mark: on the bezel

12. Reason(s) for extension (if applicable): 1) New D-lenses for passing-driving beam  
2) Add new component numbers

13. Approval ~~GRANTED~~ / EXTENDED / ~~REFUSED~~ / WITHDRAWN <sup>(1)</sup>

14. Place: BRISTOL

15. Date: 30 JUNE 2020

16. Signature: 

D LAWLOR  
Chief Technical and Statutory Operations Officer



17. The following documents, bearing the approval number shown above, are available on request:

Any remarks: LED Module(s): Non-replaceable; 3455560 or 3459250 (RH), 3455710 or 3459260 (LH)

Component Number(s): Non-Heated

Grey - 0556520 (RH), 0556530 (LH)

Black - 0557330 (RH), 0557340 (LH)

Chrome – 0558160 (RH), 0558170 (LH)

Heated

Grey - 0556540 (RH), 0556550 (LH)

Black - 0557350 (RH), 0557360 (LH)

Chrome – 0558200 (RH), 0558210 (LH)

(1) Strike out what does not apply.

(2) For daytime running lamps with non-replaceable light sources indicate the number and total wattage of the light sources used.



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APPROVAL REFUSED<sup>(4)</sup>/ APPROVAL WITHDRAWN<sup>(4)</sup>/ PRODUCTION DEFINITELY  
DISCONTINUED<sup>(4)</sup> OF A TYPE OF HEADLAMP PURSUANT TO REGULATION NO 112.01



Approval No: E11\*112R01/08\*50058\*01

1. Trade name or mark of the device: Speaker or 
2. Manufacturer's name for the type of device: EVO J3, 8700 EVO3 - RHT
3. Manufacturer's name and address:  
  
J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
U.S.A
4. If applicable, name and address of manufacturer's representative: not applicable
5. Submitted for approval on: as before and 25 June 2020
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of report issued by that service: as before and 30 June 2020
8. Number of report issued by that service: as before and T25E-50058 01

9. Brief description: passing and driving beam

Category as described by the relevant marking: <sup>(2)</sup> HCR PL

Number and category(s) of filament lamp(s): not applicable

Reference luminous flux used for the principal passing beam (lm): not applicable

Principal passing beam operated at approximately (V): not applicable

Measures according to paragraph 5.8. of this Regulation: no adjustment necessary

Number and specific identification code(s) of LED module(s) and for each LED module a statement whether it is replaceable or not: YES ~~NO~~<sup>(4)</sup>.

Non-replaceable; 3455560 or 3459250 (RH), 3455710 or 3459260 (LH)

Number and specific identification code(s) of electronic light source control gear(s). Part of the lamp

Total objective luminous flux as described in paragraph 5.9. exceeds 2,000 lumen: ~~YES~~/ NO /DOES NOT APPLY<sup>(4)</sup>.

The adjustment of the cut-off has been determined at: 10 m ~~/25 m/does not apply~~<sup>(4)</sup>.

The determination of the minimum sharpness of the "cut-off" has been carried out at: ~~40 m/25 m/~~ does not apply<sup>(1)</sup>

10. Approval mark position: on the bezel

11. Reason(s) for extension of approval: 1) New D-lenses for passing-Driving beam  
2) Add new component numbers

12. Approval ~~GRANTED~~/ EXTENDED/~~REFUSED~~/~~WITHDRAWN~~<sup>(4)</sup>

13. Place: BRISTOL

14. Date: 30 JUNE 2020

15. Signature: 

D LAWLOR  
Chief Technical and Statutory Operations Officer

16. The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request.

Any remarks: Class B

Rated Voltage: 12-24 volts

Rated Wattage: passing beam - 28 watts

Driving beam – 39 watts

Maximum Luminous Intensity: 17.5

Component Number(s): Non-Heated

Grey - 0556520 (RH), 0556530 (LH)

Black - 0557330 (RH), 0557340 (LH)

Chrome – 0558160 (RH), 0558170 (LH)

Heated

Grey - 0556540 (RH), 0556550 (LH)

Black - 0557350 (RH), 0557360 (LH)

Chrome – 0558200 (RH), 0558210 (LH)

(1) Strike out which does not apply.

(2) Indicate the appropriate marking selected from the list below:

C,	C,	C,	R,	R PL	CR,	CR	CR,	C/R,	C/R,	C/R,
	-->	<-->				----	<-->		----	<-->
C/,	C/,	C/,	C PL,	C PL,	C PL,	CR PL,	CR PL	CR PL		
	----	<-->		----	<-->		----	<-->		
C/R PL	C/R PL	C/R PL	C/PL	C/PL	C/PL					
	----	<-->		----	<-->					
HC,	HC,	HC,	HR,	HR PL,	HCR,	HCR,	HCR,	HC/R,	HC/R,	HC/R,
	----	<-->				----	<-->		----	<-->
HC/,	HC/,	HC/,	HC PL,	HC PL,	HC PL,	HCR PL	HCR PL,	HCR PL,		
	----	<-->		----	<-->		----	<-->		
HC/R PL,	HC/R PL,	HC/R PL,	HC/PL,	HC/PL,	HC/PL,					
	----	<-->		----	<-->					





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# Technical Description of Model 8700 EVO3 - RHT

## Part I

Manufacturer's Name and Address:

J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
USA

Manufacturer/Applicant Contact Person Responsible for Agreement:

Mike Herre  
262-532-2156  
herrem@jwspeaker.com

Manufacturer's project number or ECN: EP2019-010

Regulations: check all that apply to the lamp assembly

- |   |  |
|---|--|
| <input type="checkbox"/> 03 - Reflex Reflectors               | <input type="checkbox"/> 50 – Moped Lamp Components            |
| <input checked="" type="checkbox"/> 06 – Direction Indicators | <input checked="" type="checkbox"/> 87 – Daytime Running Lamps |
| <input checked="" type="checkbox"/> 07 – Front Position Lamps | <input checked="" type="checkbox"/> 91 – Side Marker Lamps     |

Approval Number Issued: 50058      Extension Number: 01

CHANGES FROM THE ORIGINAL CERTIFICATION			
Date	Revision	Author's Initials	Changes
4-Apr-19	0	MJH	Initial Approval
22-Jun-20	1	MJH	Added 0558160, 0558170, 0558200, 0558210

Note: enter NA if item does not apply.

(1) Delete item / section / page if it is not applicable

## Technical Description of Model 8700 EVO3 - RHT

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If applicable, Name and Address of Manufacturer's Representative <sup>(2)</sup>:

Not Applicable

Manufacturing Plant(s) Address(es)

J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
USA

J.W. Speaker Corporation  
W185 N11315 Whitney Drive  
P.O. Box 1011  
Germantown, WI 53022-8211  
USA

Test Facility:

J.W. Speaker Corporation  
N120 W19434 Freistadt Road  
P.O. Box 1011  
Germantown, WI 53022-8211  
USA

Troy Bartlett  
262.532.2184  
bartlett@jwspeaker.com

(2) The Manufacturer's Representative must be located in one of EU member states. If there is no representative, then enter not applicable in the line for the name

(1) Delete item / section / page if it is not applicable

# Technical Description of Model 8700 EVO3 - RHT

## Part II

Trade Name or Mark of the device: J W Speaker or



Manufacturer's Name for the type of device: EVO J3, 8700 EVO3 - RHT

Component(s) to be covered by approval:

LH                    0556530 (EVOJ3 Grey)  
                         0557340 (EVO J3 Black)  
                         0556550 (EVOJ3 Grey, heated)  
                         0557360 (EVO J3 Black, heated)  
                         0558170 (8700 EVO3 Chrome)  
                         0558210 (8700 EVO3 Chrome, heated)

RH                    0556520 (EVOJ3 Grey)  
                         0557330 (EVO J3 Black)  
                         0556540 (EVOJ3 Grey, heated)  
                         0557350 (EVO J3 Black, heated)  
                         0558160 (8700 EVO3 Chrome),  
                         0558200 (8700 EVO3 Chrome, Heated)

### Geometrical Conditions

For installation on the following category(ies) of vehicles:

- |  |  |                                  |  |
|--|--|----------------------------------|--|
| <input checked="" type="checkbox"/> M1 | <input checked="" type="checkbox"/> N1 | <input type="checkbox"/> L       | <input checked="" type="checkbox"/> with G |
| <input checked="" type="checkbox"/> M2 | <input checked="" type="checkbox"/> N2 | <input type="checkbox"/> O, R, S | <input checked="" type="checkbox"/> non G  |
| <input checked="" type="checkbox"/> M3 | <input checked="" type="checkbox"/> N3 | <input type="checkbox"/> C, T    |  |

Is the lamp assembly vehicle specific:     Yes         No

If yes, Vehicle Manufacturer Name: Not applicable

Vehicle Model or Type: Not applicable

Lamp mounting height:

- less than 750 mm     between 750 and 2100 mm     above 2100 mm

The device may be installed on the vehicle with different inclinations of the reference axis in respect to the vehicle reference planes and to the ground or rotate around its reference axis. Indicate the different conditions of installation (or different positions):

Refer to manufacturer's drawings

### Approval Mark Position

(approval mark must be molded, non-inked stamped or laser etched, NO labels accepted):

- on lens             on bezel             on reflector             on housing

Location: Above passing beam optic

(1) Delete item / section / page if it is not applicable

## Technical Description of Model 8700 EVO3 - RHT

### Part III – Description of the Front Direction Indicator <sup>(1)</sup>

Regulation: 06.01

Category: 1b

Flashing mode:  On / Off  Sequential

Variable luminous intensity:  Yes  No

Lamp is intended to be used with a tell-tale:

Yes  No

Mounting location :  Outboard

Inboard

Intended to emit amber colour of light.

Rated voltage: 12

Rated wattage: 30

Type of light source: LED

Number of light source(s): 12

A brief technical description of the light source

a. The category(ies) of filament lamp(s) prescribed in Regulation No. 37:

Not Applicable

b. The category(ies) of LED light source(s) prescribed in Regulation No.128:

Not applicable

c. The LED module specific identification code:

replaceable  non-replaceable  Not applicable

3455560 (RH), 3455710 (LH), 3459250 (RH), or 3459260 (LH)

d. The light source module specific identification code:

replaceable  non-replaceable  Not applicable

Not applicable

e. If LED light source, the electronic light source gear is Choose a type of light source.

replaceable  non-replaceable  Not applicable

Part of LED board

If multiple light sources are used, give a brief technical description if one lamp failed.

One LED out all out

In the case of a lamp with variable luminous intensity, a concise description of the variable intensity control diagram and a specification of the characteristics of the system ensuring the two levels of intensity:

Not Applicable

(1) Delete item / section / page if it is not applicable

## Technical Description of Model 8700 EVO3 - RHT

### Part III – Description of the Front Position Lamp <sup>(1)</sup>

Regulation: 07.02

Category: A

Variable luminous intensity:  Yes  No

To be used:  Singular  as Pair

Lamp is intended to be used with a tell-tale:

Yes  No

Mounting location :  Outboard

Inboard

Intended to emit White colour of light.

Rated voltage: 12

Rated wattage: 5.4

Type of light source: LED

Number of light source(s): 12

A brief technical description of the light source

a. The category(ies) of filament lamp(s) prescribed in Regulation No. 37:

Not Applicable

b. The category(ies) of LED light source(s) prescribed in Regulation No.128:

Not Applicable

c. The LED module specific identification code:

replaceable  non-replaceable  Not applicable

3455560 (RH), 3455710 (LH), 3459250 (RH), or 3459260 (LH)

d. The light source module specific identification code:

replaceable  non-replaceable  Not applicable

Not applicable

e. If LED light source, the electronic light source gear is Choose a type of light source.

replaceable  non-replaceable  Not applicable

Part of LED board

If multiple light sources are used, give a brief technical description if one lamp failed.

One LED out all out

In the case of a lamp with variable luminous intensity, a concise description of the variable intensity control diagram and a specification of the characteristics of the system ensuring the two levels of intensity:

Not Applicable

(1) Delete item / section / page if it is not applicable

## Technical Description of Model 8700 EVO3 - RHT

### Part III – Description of the Daytime Running Lamp <sup>(1)</sup>

Regulation: 87.00

Category: RL

Variable luminous intensity:  Yes  No

Lamp is intended to be used with a tell-tale:  Yes  No

Mounting location :  Outboard  Inboard

Intended to emit White colour of light.

Rated voltage: 12

Rated wattage: 30

Type of light source: LED

Number of light source(s): 12

A brief technical description of the light source

- a. The category(ies) of filament lamp(s) prescribed in Regulation No. 37:  
Not Applicable
- b. The category(ies) of LED light source(s) prescribed in Regulation No.128:  
Not Applicable
- c. The LED module specific identification code:  
 replaceable  non-replaceable  Not applicable  
3455560 (RH), 3455710 (LH), 3459250 (RH), or 3459260 (LH)
- d. The light source module specific identification code:  
 replaceable  non-replaceable  Not applicable  
Not applicable
- e. If LED light source, the electronic light source gear is Choose a type of light source.  
 replaceable  non-replaceable  Not applicable  
Part of LED board

If multiple light sources are used, give a brief technical description if one lamp failed.

One LED out all out

In the case of a lamp with variable luminous intensity, a concise description of the variable intensity control diagram and a specification of the characteristics of the system ensuring the two levels of intensity:

Not Applicable

(1) Delete item / section / page if it is not applicable



## Technical Description of Model 8700 EVO3 - RHT

### Part III – Description of an Asymmetrical Passing Beam <sup>(1)</sup>

Regulation: 112.01

Category: HCR PL<sup>(1)</sup>

The passing beam light source  may  may not be lit simultaneously with  driving beam light source  another reciprocally incorporated headlamp.

Class:  A  B

Lamp is intended to be used with a tell-tale:  Yes  No

Passing beam is equipped with an adjustable reflector:  Yes  No

Suitable for which hand of traffic:  Left hand traffic  Right hand traffic  both

Measures according to paragraph 5.8. of this Regulation: not applicable

Rated voltage: 12 VDC

Rated wattage: 28W

Type of light source: LED

Number of light source(s): Four 3-die arrays

A brief technical description of the light source

- a. The category(ies) of filament lamp(s) prescribed in Regulation No. 37:  
Light Source Category: not applicable  
Reference luminous flux at approximately: not applicable
- b. The category(ies) of LED light source(s) prescribed in Regulation No.128:  
Not applicable
- c. The LED module specific identification code:  
 replaceable  non-replaceable  Not applicable  
3455560 (RH), 3455710 (LH), 3459250 (RH), or 3459260 (LH)
- d. The light source module specific identification code:  
 replaceable  non-replaceable  Not applicable
- e. If LED light source, the electronic light source gear is Choose a type of light source.  
 replaceable  non-replaceable  Not applicable  
Part of LED module

(1) Delete item / section / page if it is not applicable





## Technical Description of Model 8700 EVO3 - RHT

### Part III – Description of an Asymmetrical Driving Beam <sup>(1)</sup>

Regulation: 112.01

Category: HCR PL<sup>(1)</sup>

Class:  A  B

Lamp is intended to be used with a tell-tale:  Yes  No

Driving beam is equipped with an adjustable reflector:  Yes  No

Maximum Luminous Intensity (Reference): 17.5

Rated voltage: 12

Rated wattage: 39

Type of light source: LED

Number of light source(s): Four 3-die arrays, three 2-die arrays, and 2 single die LEDs

A brief technical description of the light source

a. The category(ies) of filament lamp(s) prescribed in Regulation No. 37:

Light Source Category: Not applicable

Reference luminous flux at approximately: not applicable

b. The category(ies) of LED light source(s) prescribed in Regulation No.128:

Not applicable

c. The LED module specific identification code:

replaceable  non-replaceable  Not applicable

3455560 (RH), 3455710 (LH), 3459250 (RH), or 3459260 (LH)

d. The light source module specific identification code:

replaceable  non-replaceable  Not applicable

e. If LED light source, the electronic light source gear is Choose a type of light source.

replaceable  non-replaceable  Not applicable

Part of LED board.

If multiple light sources are used, give a brief technical description if one lamp failed.

NA

In the case of a lamp with variable luminous intensity, a concise description of the variable intensity control diagram and a specification of the characteristics of the system ensuring the two levels of intensity:

NA

(1) Delete item / section / page if it is not applicable

## Technical Description of Model 8700 EVO3 - RHT

### Part III – Description of the Hardcoating <sup>(1)</sup>

Regulation: Annex 6 R19

#### Material Description

Basis material: Polycarbonate  
Type: Makrolon AL 2647, hue 551070  
Manufacturer: Covestro  
Manufacturer address: Kaiser-Wilhelm-Allee 60  
51373 Leverkusen  
Germany

Coating:  
Type: Urethane Acrylate  
Manufacturer: Red Spot UVT-200 Hardcoating  
Manufacturer address: 1107 E Louisiana St  
Evansville, IN 47711  
USA

Anti-Fog Coating:  Yes  No  Optional  
Type: GAF209  
Manufacturer: FNG Global Logistics, Inc.  
Manufacturer address: 145 King Street  
Suite 229  
Charleston, SC 29401  
USA

If hardcoat has been previously tested

Test Report Number: PMT 077 N2

Date of Test Report: 26-Oct-05

Test Facility:

LTIK  
Karlstraße 12  
76128 Karlsruhe  
Germany

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# Technical Description of Model 8700 EVO3 - RHT

## Part IV – Drawings

Drawings to be supplied in a pdf format

### Front View

- Approval Mark
  - E11 or  UI
  - Approval Number or  UI Number
  - Arrows (if applicable)
  - Dimensional view of approval marking
    - showing placement on lamp
- Trade Name or Mark
- Boundaries defined
- 200 mm circle (for retro reflectors)
- Dimension (as required)

### Rear View

- Approval marking (if multiple approval numbers shown or housing can be separated)
- Trade Name or Mark (if not in front view)
- The rated voltage or range of voltages
- Light source module specific identification code (if applicable)
- Filament lamp category (if applicable)
- Component Number

### Exploded / breakout view of inside the lamp (if applicable)

- LED Module with component number
- Light source module with component number
- Electronic light source gear / LED drive module with component number
  - Electronic light source gear manufacturer name
  - Electronic light source gear manufacturer identification number

### Vehicle View

- geometrical positions(s) the device may be mounted on the vehicle.
- axis of observation to be taken as the axis of reference in the tests  
(horizontal angle H = , vertical angle V = )

(1) Delete item / section / page if it is not applicable