



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

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~~APPROVAL REFUSED ⁽⁴⁾/ APPROVAL WITHDRAWN ⁽⁴⁾/ PRODUCTION DEFINITELY~~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



Approval No: E11*07R02/27*50145*00

1. Trade name or mark of the device: Speaker or 
2. Manufacturer's name for the type of device: Model 8700 EVO2-PRO 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: 2 April 2019
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of report issued by that service: 24 May 2019
8. Number of report issued by that service: T22A-50145 00

9. Concise description: Front position lamp

9.1. By category of lamp: A

For mounting either outside ~~or inside or both~~¹

Colour of light emitted: ~~red~~/ white¹

Number, category and kind of light source(s): 2, LED

Voltage and wattage: 12 – 24 volts; 2.0 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~~/ no¹

Geometrical conditions of installation and relating variations, if any: refer to manufacturing documentation

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

(a) Being part of the lamp: yes /~~no~~¹

(b) Being not part of the lamp: ~~yes~~/ no¹

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; part of the lamp

Variable luminous intensity: ~~yes~~/ no¹

The front position lamp¹, ~~rear position lamp,¹ stop lamp,¹ end-outline marker lamp¹~~ is only for use on a vehicle fitted with a tell-tale indicating failure: ~~yes~~/no¹

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

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

10. Position of the approval mark: outer lens
11. Reason(s) for extension (if applicable): not applicable
12. Approval GRANTED /~~REFUSED/EXTENDED/WITHDRAWN~~: ⁽¹⁾
13. Place: BRISTOL
14. Date: 05 JUNE 2019
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; 3457720
Component number(s): 0556971, 0556981

(1) Strike out what does not apply



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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*07R02/27*50145*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method ISO/TS Cert and Control Plans

Date of Initial Clearance Nov 2013

Date of Last Clearance Jun 2017

Total number of sheets: 04 (Four)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp






THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ ~~APPROVAL EXTENDED ⁽⁴⁾/~~
~~APPROVAL REFUSED ⁽⁴⁾/~~ ~~APPROVAL WITHDRAWN ⁽⁴⁾/~~ ~~PRODUCTION DEFINITELY~~
~~DISCONTINUED ⁽⁴⁾~~ OF A TYPE OF DAYTIME RUNNING LAMP PURSUANT TO REGULATION NO:
87.00



Approval No: E11*87R00/20*50145*00

1. Trade name or mark of the daytime running lamp: Speaker or 
2. Manufacturer's name for the type of daytime running lamp: Model 8700 EVO2-PRO 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: 2 April 2019
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of test report issued by that service: 24 May 2019
8. Number of test report issued by that service: T22B-50145 00

9. Concise description: Running Lamp

By category of lamp: RL

Number, category and kind of light source(s): ⁽²⁾ 2, LED

Voltage and wattage: 12 – 24 volts; 19 watts

Application of an electronic light source control gear:

- being part of the lamp YES /~~NO~~⁽¹⁾
- being not part of the lamp ~~YES~~/ NO ⁽¹⁾

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 ⁽¹⁾

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

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

11. Position of the approval mark: outer lens

12. Reason(s) for extension (if applicable): not applicable

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

14. Place: BRISTOL

15. Date: 05 JUNE 2019

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; 3457720
Component number(s): 0556971, 0556981

(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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Assessment Method ISO/TS Cert and Control Plans

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&
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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ ~~APPROVAL EXTENDED ⁽⁴⁾/~~
~~APPROVAL REFUSED ⁽⁴⁾/ APPROVAL WITHDRAWN ⁽⁴⁾/ PRODUCTION DEFINITELY~~
~~DISCONTINUED ⁽⁴⁾~~ OF A TYPE OF HEADLAMP PURSUANT TO REGULATION NO 112.01



Approval No: E11*112R01/08*50145*00

1. Trade name or mark of the device: Speaker or 
2. Manufacturer's name for the type of device: Model 8700 EVO2-PRO 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: 2 April 2019
6. Technical service responsible for conducting approval tests: Vehicle Certification Agency
7. Date of report issued by that service: 5 June 2019
8. Number of report issued by that service: T25E-50145 00

9. Brief description: passing and driving beam

Category as described by the relevant marking: ⁽²⁾ 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: Downward movement of the beam

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~~⁽¹⁾.

Module: Non-replaceable; 3457720

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~~⁽¹⁾.

The adjustment of the cut-off has been determined at: 10 m /~~25 m/does not apply~~⁽¹⁾.

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

10. Approval mark position: outer lens

11. Reason(s) for extension of approval: not applicable

12. Approval GRANTED /~~EXTENDED/REFUSED/WITHDRAWN~~⁽¹⁾

13. Place: BRISTOL

14. Date: 05 JUNE 2019

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
 Rated wattage: passing – 24 watts; driving – 45 watts
 Maximum luminous intensity: 20
 Component number(s): 0556971, 0556981
 0557511 (headlamp function only)

(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, | 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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THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*112R01/08*50145*00

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

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Assessment Method ISO/TS Cert and Control Plans

Date of Initial Clearance Nov 2013

Date of Last Clearance Jun 2017

Total number of sheets: 05 (Five)

Reasons for Revision: Not applicable

Revision Date
&
Office Stamp



**APPROVAL OF A TYPE OF FRONT AND REAR POSITION LAMPS,
 STOP LAMPS AND END-OUTLINE MARKER LAMPS PURSUANT TO
 REGULATION NO 07.02**

Approval Number Issued: 50145

Extension No. 00

CHANGES FROM THE ORIGINAL CERTIFICATION			
Date	Rev	Author's Initials	Changes
4/2/19	0	ARA	Initial Approval

Group Approval: Yes

If yes, list the Regulations included in the group approval: Reg. 112, Reg.7, Reg. 87

Trade name or mark of the device: Speaker

Manufacturer's name for the type of device: Model 8700 EVO2-PRO RHT

Component(s) to be covered by approval: 0556971, 0556981

Is the lamp vehicle specific: No

If yes, Vehicle manufacturer name:

Vehicle Model:

Approval mark position: Outer lens

Manufacturer's name and address:

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

If applicable, name and address of manufacturer's representative: Not Applicable



Manufacturing Plant(s) Address

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

Manufacturer/Applicant Contact Person Responsible for Agreement: Andrew Abramczyk

Test Location:

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

Description of lamp

Category: A

	Front	steady luminous intensity	variable luminous intensity
Position	A	R or R1	R2
Stop lamp	--	S1 or S3	S2 or S4
End outer marker	AM	RM1	RM2

Note: On devices which may be used as part of an assembly of two lamps, the additional letter "D" to the right of the symbol mentioned above.

On interdependent lamps, which may be used as part of an interdependent lamp system, the additional letter "Y" to the right of the symbol mentioned above.

For mounting

- a. outside vehicle or
- b. inside vehicle
- c. or both

Colour of light emitted

Front position White

Variable luminous intensity No

Kind of light source(s) LED

Number of light source(s) 2

If multiple LED light sources are used, give a brief technical description of a failed LED: One LED out all LEDs out.

Rated voltage and the rated wattage: 12-24VDC, 2.0 W Max



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

Front position lamp	No
R1 Rear position lamp	No
R2 Rear position lamp	No
S1 Stop lamp	No
S2 Stop lamp	No
S3 Stop lamp	No
S4 Stop lamp	No
End-outline marker lamp	No

A brief technical description stating, in particular, with the exception of lamps with non-replaceable light source(s):

- (a) the category or categories of filament lamp(s) prescribed; this filament lamp category shall be one of those contained in Regulation No. 37
- (b) The LED module specific identification code. Non-replaceable; 3457720
- (c) In the case of a lamp with variable luminous intensity, a concise description of the variable intensity control, an arrangement diagram and a specification of the characteristics of the system ensuring the two levels of intensity

Geometrical Conditions

Only for installation on M₁ and/or N₁ category vehicles: No

Only for limited mounting height of equal to or less than 750 mm above the ground: No

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): No

Electronic Light Source Gear

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

- (a) being part of the lamp: Yes
- (b) being not part of the lamp: No

Input voltage(s) supplied by an electronic light source control gear/variable intensity control:
NA



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): NA

Lamp material List

Optic Holder Material: Polycarbonate

Housing Material: Aluminum

Outer Lens Material: Clear polycarbonate with RedSpot UVT-200 Hardcoating

Solid Optical Lens Materials: Clear polycarbonate (D-lenses)

Clear PMMA (high beam and Position/DRL lenses)

Glass (low beam asphere)

The materials making up the lenses and coatings, if any, shall be accompanied by the test report of the characteristics of these materials and coatings if they have already been tested.

Attach drawing(s) in sufficient detail to permit identification of the type of device and showing in what geometrical positions(s) the device may be mounted on the vehicle. The axis of observation to be taken as the axis of reference in the tests (horizontal angle $H =$, vertical angle $V =$) and the point to be taken as the centre of reference in the said tests; the drawing shall show the position intended for the approval mark and eventually the additional symbols in relation to the circle of the approval mark.

**APPROVAL OF DAYTIME RUNNING LAMPS FOR POWER-DRIVEN
 VEHICLES PURSUANT TO REGULATION NO 87**

Approval Number Issued: 50145

Extension No. 00

CHANGES FROM THE ORIGINAL CERTIFICATION			
Date	Rev	Author's Initials	Changes
4/2/19	0	ARA	Initial Approval

Group Approval: Yes

If group approval, list Regulations included in the group approval: Reg 112, Reg. 7, Reg. 87

Trade name or mark of the device: Speaker

Manufacturer's name for the type of device: Model 8700 EVO2-PRO RHT

Component(s) to be covered by approval: 0556971, 0556981

Approval mark position: Outer Lens

Manufacturer's name and address:

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

If applicable, name and address of manufacturer's representative:

J.W. Speaker Corporation
 N120 W19434 Freistadt Road
 P.O. Box 1011

Application for Approval to Regulation 87
 Revision Date: July 2012



Germantown, WI 53022-8211 U.S.A.

Manufacturing Plant(s) Address

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

Manufacturer/Applicant Contact Person Responsible for Agreement: Andrew Abramczyk

Test Location:

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

Description of lamp

Category of light source(s): NA

Number of light source(s): 2

Kind of light source(s): LED

Rated voltage and the rated wattage: 12/24 VDC, 19 W Max

Electronic Light Source Gear

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

- (a) being part of the lamp: Yes
- (b) being not part of the lamp: not applicable

Input voltage(s) supplied by an electronic light source control gear/variable intensity control:
NA

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): NA

Lamp material List

Optic Holder Material: Polycarbonate

Application for Approval to Regulation 87
Revision Date: July 2012



Housing Material: Aluminum

Outer Lens Material: Clear polycarbonate with Red spot UVT-200 Hardcoating

Solid Optical Lens Materials: Clear polycarbonate (D-Lenses)

Clear PMMA (high beam and Position/DRL lenses)

Glass (low beam Asphere)

The materials making up the lenses and coatings, if any, shall be accompanied by the test report of the characteristics of these materials and coatings if they have already been tested.

Attach drawing(s) in sufficient detail to permit identification of the type of device and showing in what geometrical positions(s) the device may be mounted on the vehicle. The axis of observation to be taken as the axis of reference in the tests (horizontal angle $H =$, vertical angle $V =$) and the point to be taken as the centre of reference in the said tests; the drawing shall show the position intended for the approval mark and eventually the additional symbols in relation to the circle of the approval mark.

**APPROVAL OF A TYPE OF HEADLAMP PURSUANT TO
 REGULATION NO 112.01**

Approval Number Issued: 50145

Extension No. 00

CHANGES FROM THE ORIGINAL CERTIFICATION		
Date	Rev	Changes
4/2/19	0	Initial Approval

Group Approval: Yes

If group approval, list Regulations included in the group approval: Reg. 112, Reg. 7, Reg. 87

Trade name or mark of the device: Speaker

Manufacturer's name for the type of device: 8700 EVO2-PRO RHT

Component(s) to be covered by approval:

0556971, 0556981

0557511 (headlamp function only)

Manufacturer's name and address:

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

If applicable, name and address of manufacturer's representative: Not Applicable

Manufacturing Plant(s) Address

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

Manufacturer/Applicant Contact Person Responsible for Agreement: Andrew Abramczyk

Test Location:

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

Description of Headlamp

Suitability for right-hand or left-hand traffic or for both traffic systems: RHT

If suitable for both explain the means of the selective setting and how the design shall preclude inadvertent shifting from one setting to the other or setting in an intermediate position: NA

The kind of beam produced (passing beam, driving beam or both): Both

Headlamp is equipped with an adjustable reflector: No

The height and mounting position(s) of the headlamp in relation to the ground: NA

A brief technical description including, in the case where headlamps are used to produce bend lighting:

Category as described by the relevant marking:

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



→

↔

→

↔

Class of headlamp: B

Rated voltage and wattage: 12/24 VDC

Number and category(s) of filament lamp(s) as listed in Regulation No. 37 and its series of amendments:

Passing: 24W

Driving: 45W

Number and specific identification code(s) of LED module(s)

Passing: three 4-die LED array

Driving: three 3-die LED array and two 2-die array

A brief technical specification of the LED module(s) (include failure modes): NA

The LED module specific identification code: Non-replaceable; 3457720

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

For electronic light source control gear, information on the electrical interface necessary for approval testing: not applicable

Manufacturer's declared maximum luminous intensity: 20

Headlamp material List

Optic Holder Material: Polycarbonate

Housing Material: Aluminum

Outer Lens Material: Clear polycarbonate with Red spot UVT-200 Hardcoating

Solid Optical Lens Materials: Clear polycarbonate (D-Lenses)

Clear PMMA (high beam and Position/DRL lenses)

Glass (low beam Asphere)

The materials making up the lenses and coatings, if any, shall be accompanied by the test report of the characteristics of these materials and coatings if they have already been tested.

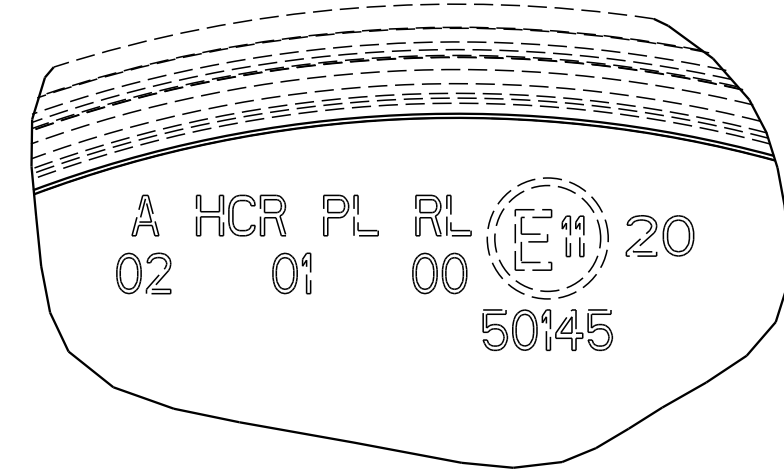
Approval mark position: outer lens

Application For Approval To Regulation 112

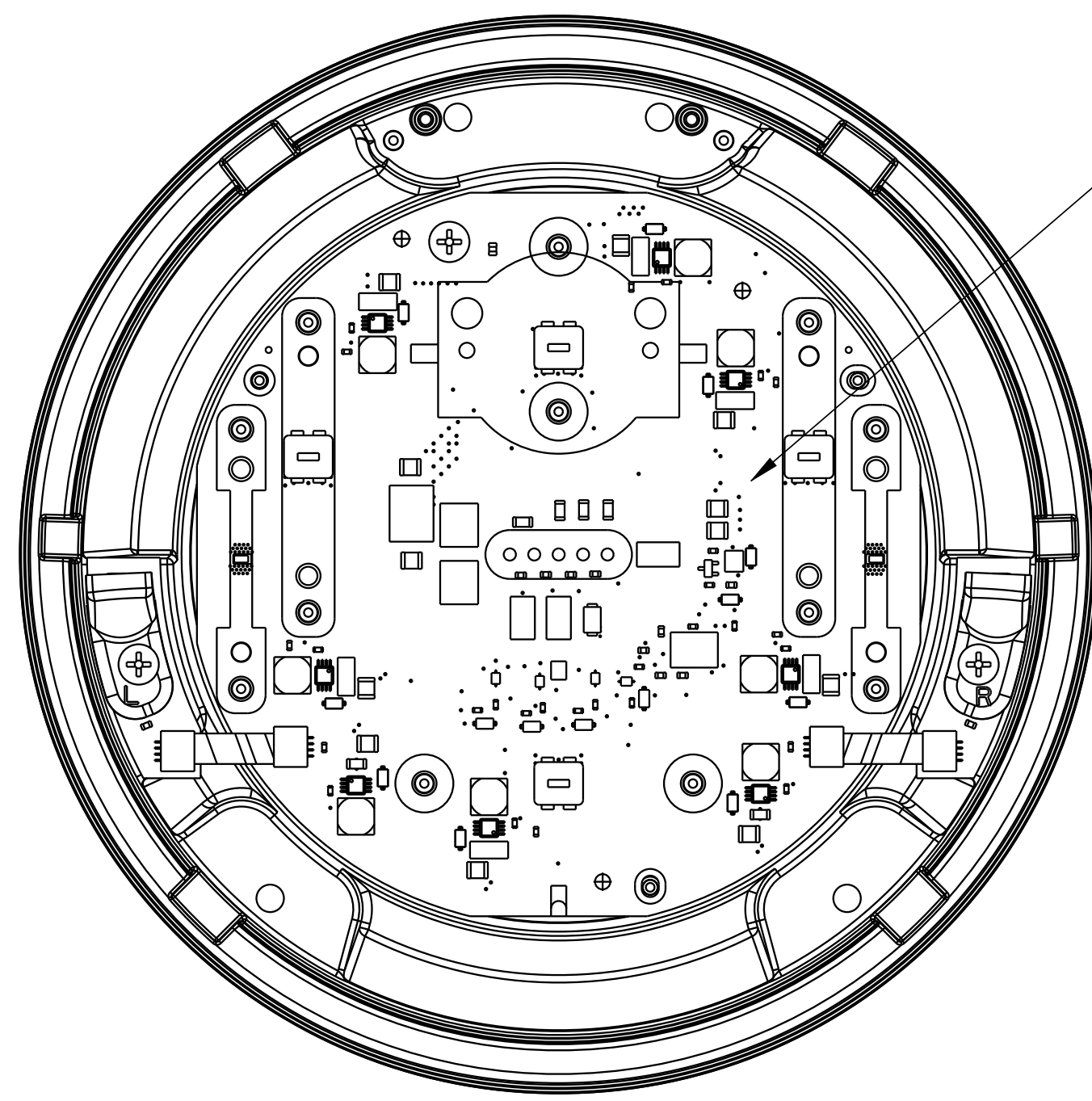


Attach drawings in sufficient detail to permit identification of the type and representing a frontal view of the headlamp, with details of lens ribbing if any, and the cross-section. The drawings shall indicate the space(s) reserved for the approval mark and in case of LED module(s) also the space reserved for the specific identification code(s) of the module(s). If the headlamp is equipped with an adjustable reflector, an indication of the mounting position(s) of the headlamp in relation to the ground and the longitudinal median plane of the vehicle, if the headlamp is for use in that (those) position(s) only;

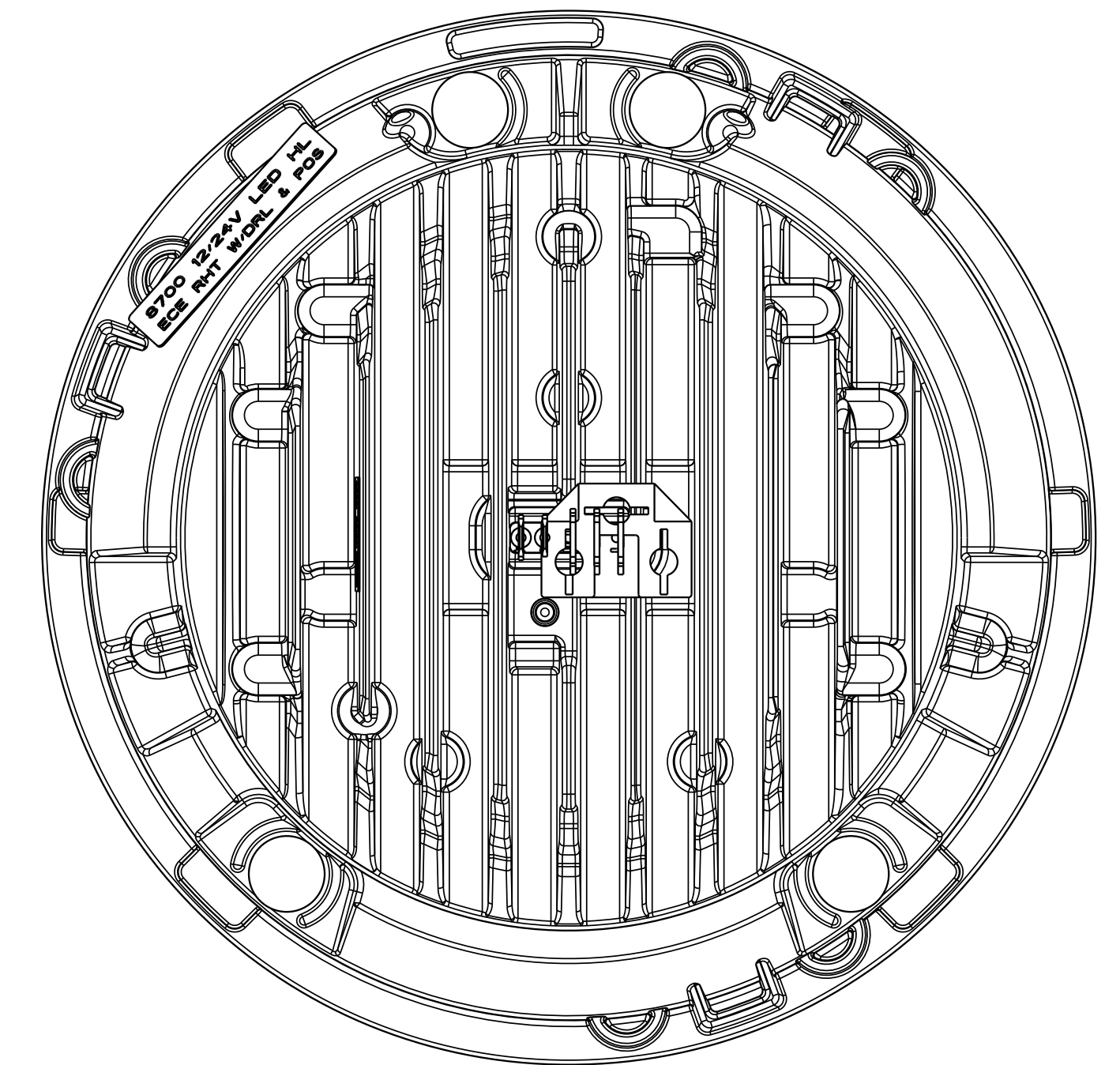
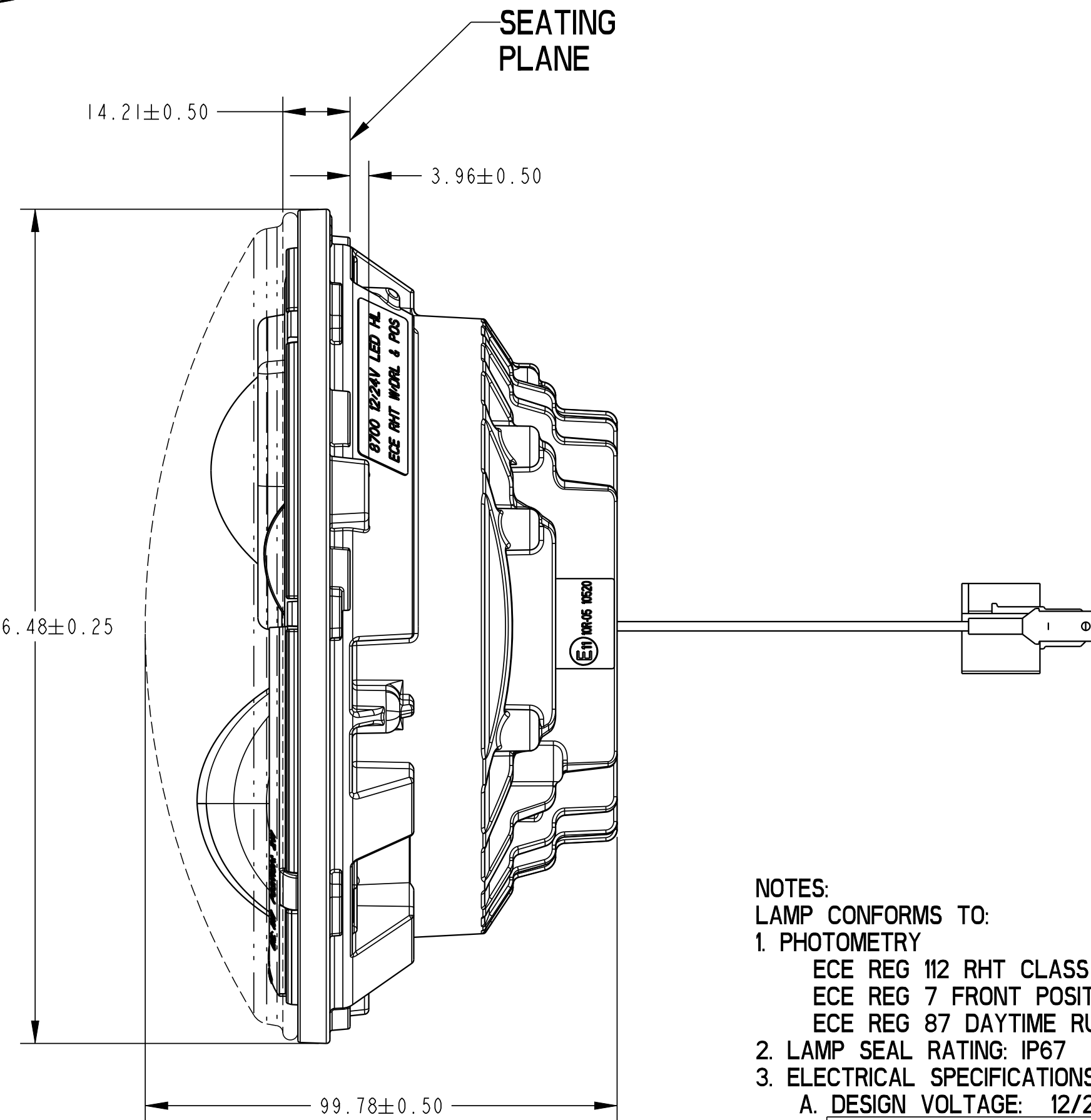
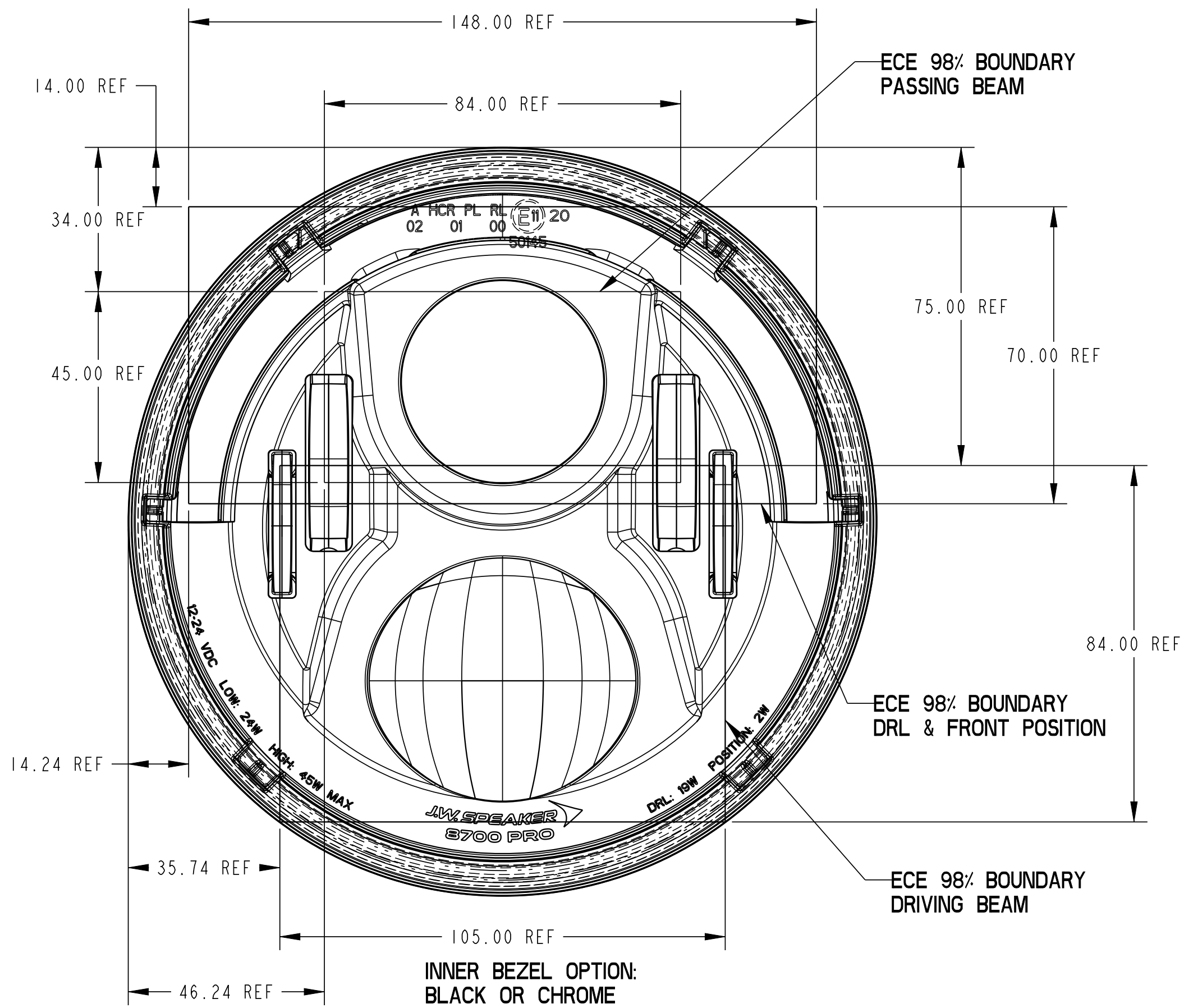
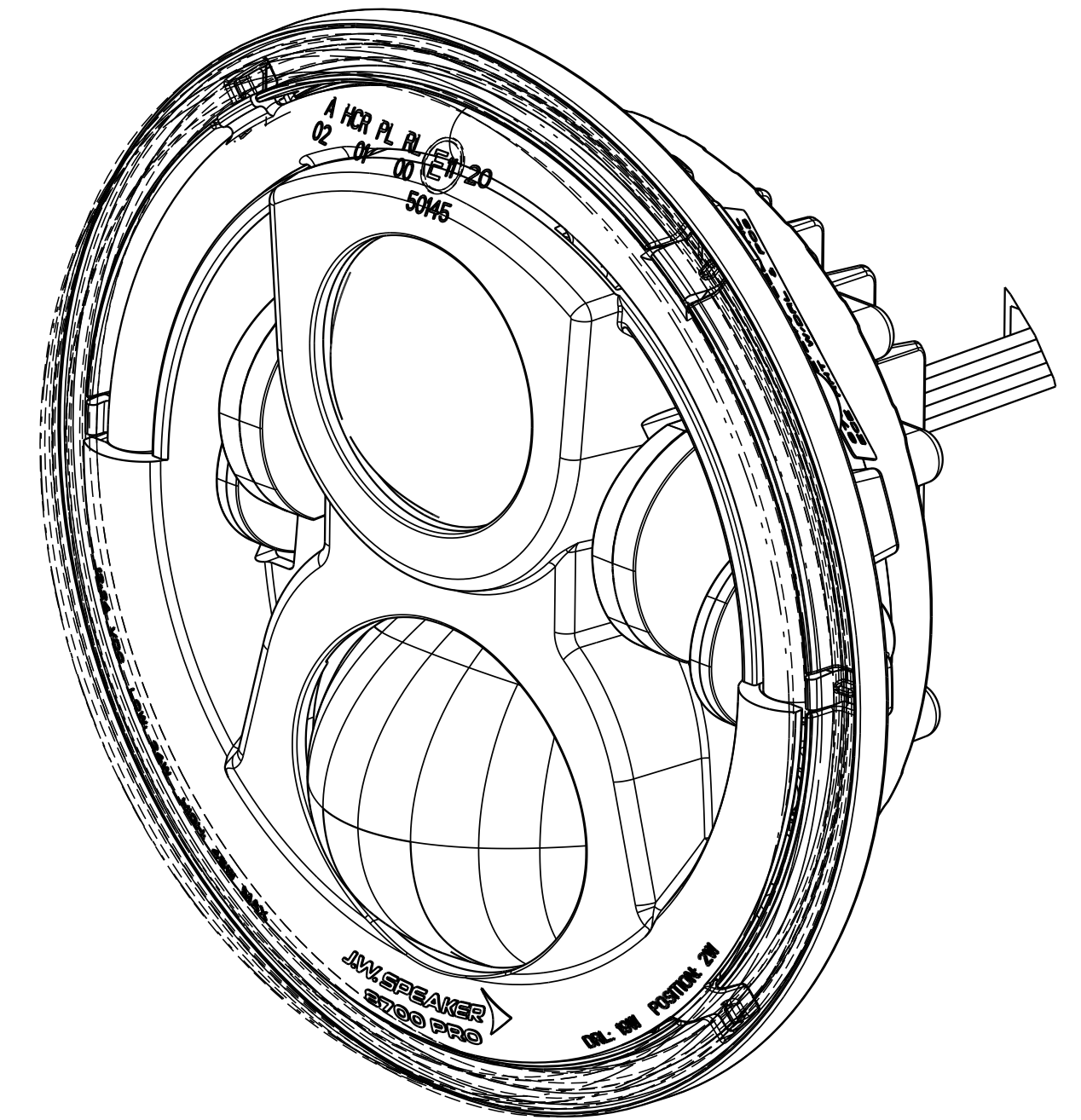
RESTRICTED CONFIDENTIAL DOCUMENT
 THIS DRAWING AND ALL INFORMATION SHOWN HEREON ARE THE EXCLUSIVE PROPERTY OF J.W. SPEAKER AND ARE SUBMITTED ONLY ON A CONFIDENTIAL BASIS. THE RECIPIENT AGREES NOT TO REPRODUCE THE DRAWING, TO RETURN IT UPON REQUEST, AND THAT NO DISCLOSURE OF THE DRAWING OR THE INFORMATION SHOWN HEREON WILL BE MADE TO A THIRD PARTY WITHOUT THE PRIOR WRITTEN CONSENT OF J.W. SPEAKER.



SCALE 2.000



PCB ASSEMBLY
 P/N: 3457720



NOTES:
 LAMP CONFORMS TO:
 1. PHOTOMETRY
 ECE REG 112 RHT CLASS B
 ECE REG 7 FRONT POSITION
 ECE REG 87 DAYTIME RUNNING LIGHT
 2. LAMP SEAL RATING: IP67
 3. ELECTRICAL SPECIFICATIONS
 A. DESIGN VOLTAGE: 12/24 VDC
 B.

FUNCTION	AMPS AT 12VDC	AMPS AT 24VDC
LOW BEAM	2.0 A	1.1 A
HIGH BEAM	3.6 A	1.8 A
DRL	1.6 A	0.8 A
POSITION	0.16 A	0.10 A

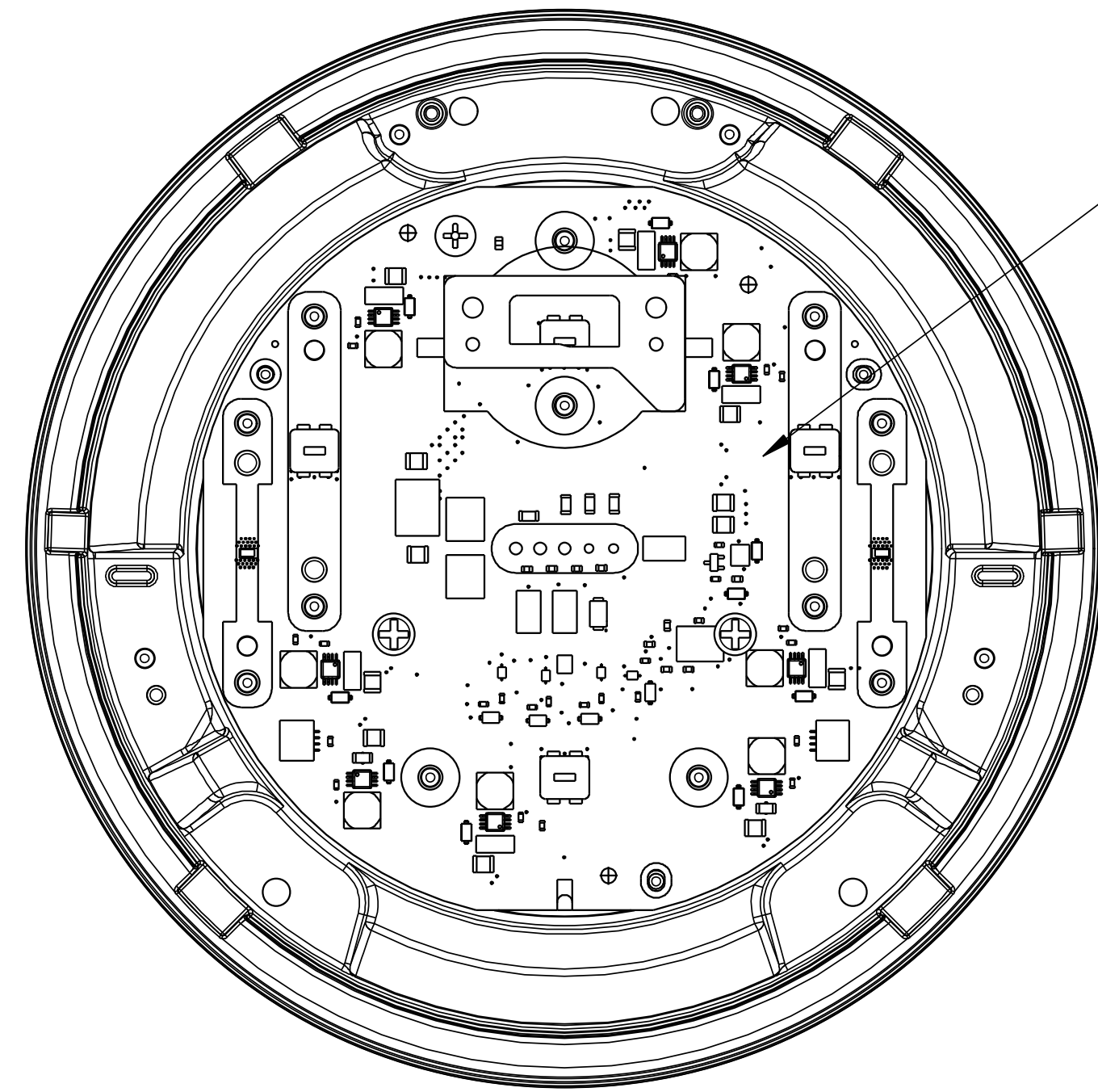
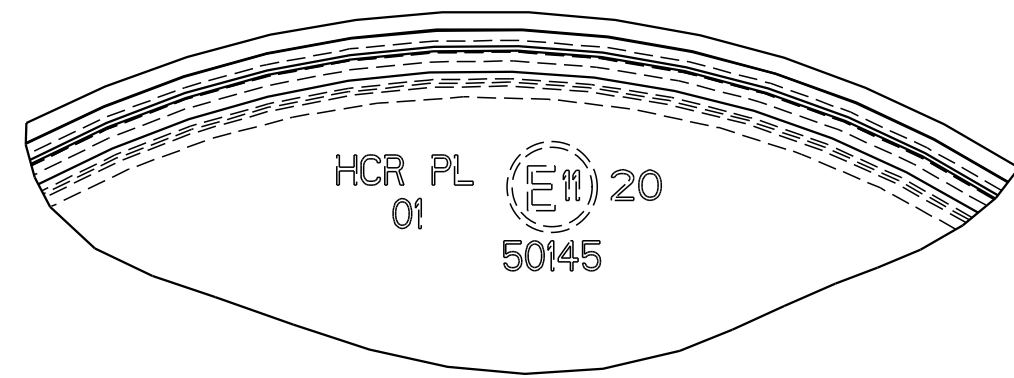
4. JWS PRODUCT STANDARD FOR ON ROAD VEHICLES
 5. ADDITIONAL SPECIFICATIONS
 A. MATING HEADLAMP CONNECTOR: AMP 172615-2
 B. MATING CONNECTOR FOR POSITION: AND DRL INSULATED AMP ULTRA-FAST 3-350819-2
 6. MATING CONNECTOR IN POLYBAG AVAILABLE FOR CUSTOMER USE TYCO .250 TAB 2-POSITION 1180908-0

BOARD / GROMMET DESIGNATION	18GA TXL WIRE	LAMP FUNCTION
0	BLACK	GROUND
1	YELLOW	LOW
2	WHITE	HIGH
3	RED	POSITION
4	BLUE	DRL

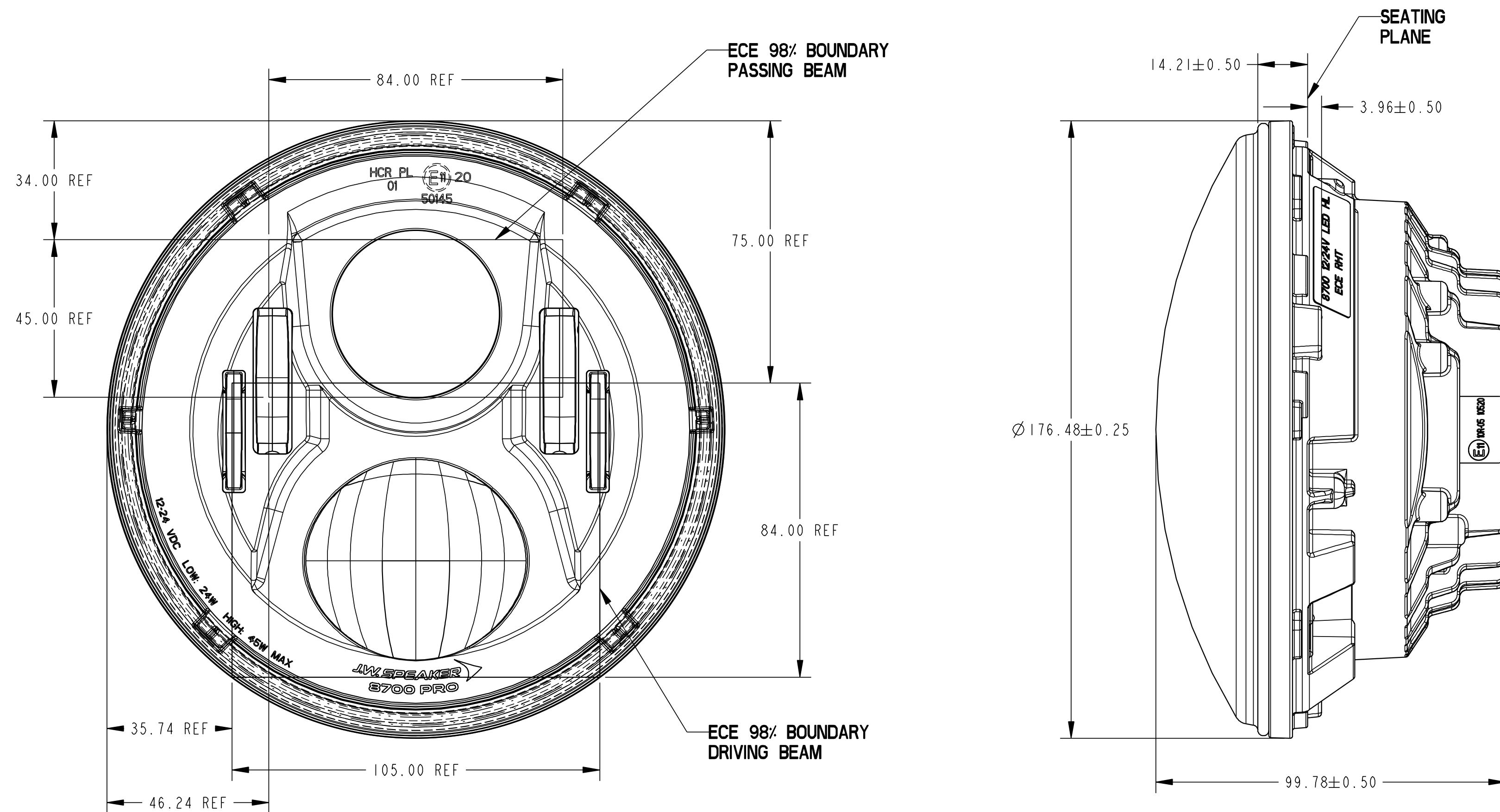
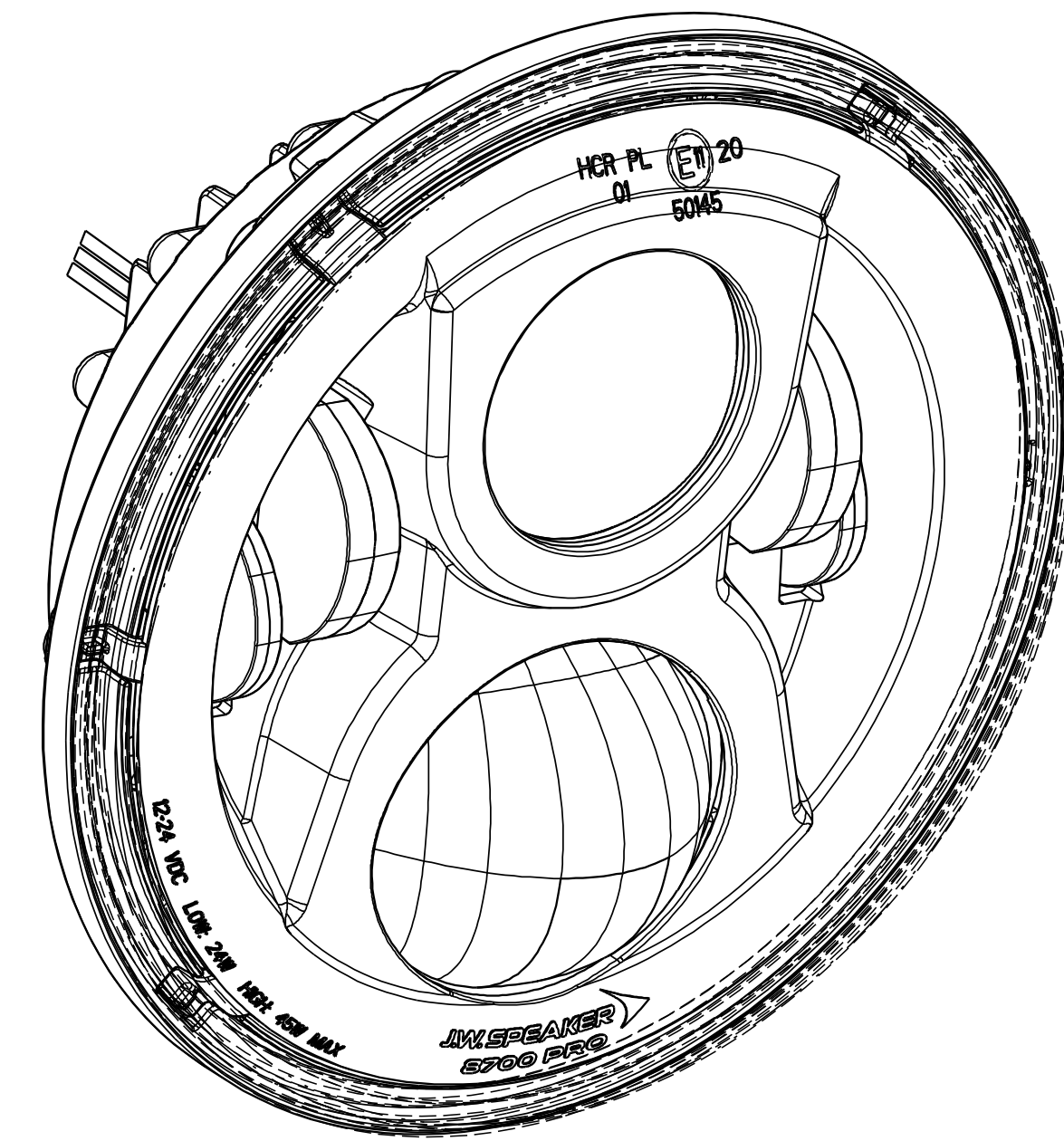
0556971	8700 12/24V ECE EVO2PRO, RHT, CHROME	
0556981	8700 12/24V ECE EVO2PRO, RHT, BLK	
ITEM NO.	PART NUMBER	DESCRIPTION
PART NUMBER	THIRD ANGLE PROJECTION	J.W. SPEAKER CORPORATION GERMANTOWN, WI
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN MILLIMETERS	SCALE: 1.000	MATERIAL: MANUFACTURED
DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009 & ASME Y14.41-2003	DATE: 06-Dec-18 DRAWN BY: A. ABRAMCZYK	TITLE: 8700 12/24V ECE EVO2PRO RHT DWG. NO. D 0556980
		SHEET 3 OF 3 TOOL NO. REV. B

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LENS ENGRAVING DETAIL



PCB ASSEMBLY
 P/N: 3457720



- NOTES:
 LAMP CONFORMS TO:
 1. PHOTOMETRY
 ECE REG 112 RHT CLASS B
 2. LAMP SEAL RATING: IP67
 3. ELECTRICAL SPECIFICATIONS
 A. DESIGN VOLTAGE: 12/24 VDC
 B.
- | FUNCTION | AMPS AT 12VDC | AMPS AT 24VDC |
|-----------|---------------|---------------|
| LOW BEAM | 2.0 A | 1.1 A |
| HIGH BEAM | 3.6 A | 1.8 A |
- C. ECE REGULATION 10 FULL APPROVAL
 4. JWS PRODUCT STANDARD FOR ON ROAD VEHICLES
 5. ADDITIONAL SPECIFICATIONS
 A. MATING HEADLAMP CONNECTOR: AMP 172615-2

BOARD/GROMMET DESIGNATION	18GA TXL WIRE	LAMP FUNCTION
0	BLACK	GROUND
1	YELLOW	LOW
2	WHITE	HIGH

ITEM NO.	0557511	8700 EVO2-PRO 12/24 RHT ECE, BLACK NON DRL - SINGLE PK
PART NUMBER		DESCRIPTION
PART NUMBER		THIRD ANGLE PROJECTION
PART NUMBER		SCALE: 1.000
PART NUMBER		DATE: 29-MAR-2019
PART NUMBER		DRAWN BY: J WEBSTER
MATERIAL: MANUFACTURED		J.W. SPEAKER CORPORATION GERMANTOWN, WI
TITLE: 8700 EVO2-PRO 12/24 RHT ECE BLK, NON DRL		SHEET 3 OF 3
DWG. NO. D 0557510		TOOL NO. N/A
		REV. A