



GRAND-DUCHÉ DE LUXEMBOURG

Ministère du Développement durable
et des Infrastructures
Département des Transports

L-2938 Luxembourg

SOCIÉTÉ NATIONALE DE
CERTIFICATION ET D'HOMOLOGATION

s.à r.l.

Registre de Commerce: B 27180

L-5201 Sandweiler

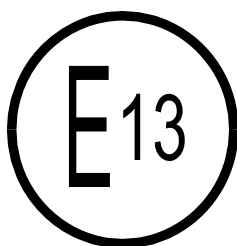


Référence: E13*10R00*10R04*12950*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Sandweiler, le 19 juillet 2013

Communication concernant:⁽²⁾
Communication concerning:




- la délivrance d'une homologation
approval granted
- l'extension d'homologation
approval extended
- le refus d'homologation
approval refused
- le retrait d'homologation
approval withdrawn
- l'arrêt définitif de la production
production definitely discontinued

d'un type de sous-ensemble électrique/électronique⁽²⁾ en ce qui concerne le Règlement N° 10
of a type of electrical/electronic sub-assembly with regard to Regulation N° 10

Numéro d'homologation par type:
Approval number:

E13*10R00*10R04*12950*00

Marque d'homologation:
Approval mark:

 10R - 04 12950

1. Fabricant: (marque commerciale du constructeur):
Make (trade name of manufacturer):

Truck-Lite

2. Type:
Type:

27290C/27291C

Dénomination(s) commerciale(s) générale(s):
General commercial description(s):

Not applicable

Version(s)/Variante(s):
Version(s)/Variant(s):

Not applicable

3. Moyens d'identification du type, s'ils sont marqués sur le véhicule / composant / entité technique⁽²⁾:
Means of identification of type, if marked on the vehicle / component / separate technical unit:

27290C/RHT or 27291C/LHT

3.1. Emplacement de ce marquage:
Location of that marking:

Pad printed on the housing

- | | | |
|-----|--|--|
| 4. | Catégorie du véhicule:
Category of vehicle: | Not applicable |
| 5. | Nom et adresse du constructeur:
Name and address of manufacturer: | Truck-Lite Co., Inc.
310 East Elmwood Avenue
Falconer, NY 14733; USA |
| 6. | Dans le cas de composants ou d'entités techniques, emplacement et procédé de fixation de la marque de réception CEE:
In the case of components and separate technical units, location and method of affixing of the ECE approval mark: | Pad printed on the housing |
| 7. | Adresse(s) de l' (des) usine(s) d'assemblage:
Address(es) of assembly plant(s): | Truck-Lite Co., Inc.
11664 Route 6,
Wellsboro,
PA 16901, USA |
| 8. | Informations supplémentaires (s'il y a lieu):
Additional informations (where applicable): | See appendix |
| 9. | Autorité déléguée:
Assigned authority: | <i>Société Nationale de Certification et d'Homologation
 L-5201 Sandweiler</i> |
| | Service technique responsable de l'exécution des essais:
Technical service responsible for carrying out the tests: | Société Nationale de Certification et d'Homologation
11, route de Luxembourg
L-5230 Sandweiler |
| 10. | Date du rapport d'essai:
Date of test report: | 15.07.2013 |
| 11. | Numéro du rapport d'essai:
Number of test report: | LCA 53 0175 014 13 |
| 12. | Remarques (s'il y a lieu):
Remarks (if any): | None |

13. **Lieu:** Sandweiler
Place:
14. **Date:** 19 juillet 2013
Date:
15. **Signature:**
Signature:

Pour le Département des Transports



[Signature of Marco FELTES]

Marco FELTES
Inspecteur principal 1^{er} en rang

Pour la SNCH



[Signature of Claude LIESCH]

Claude LIESCH
Directeur



16. **L'index de l'ensemble des renseignements déposé chez l'autorité de réception, qui peut être obtenu sur demande, est joint.**
The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

See index to type-approval report
17. **Raison(s) de l'extension:** Not applicable
Reason(s) for extension:

² **Biffer la mention inutile**
Strike out what does not apply

Appendice

Appendix

au certificat d'homologation par type N° E13*10R00*10R04*12950*00
to type-approval certificate N° E13*10R00*10R04*12950*00
concernant l'homologation par type d'un sous ensemble électrique/électronique selon le Règlement N° 10.
concerning the type-approval of an electrical/electronic sub-assembly under Regulation N° 10.

- | | | | |
|---------------|--|---|--|
| 1. | Informations supplémentaires.
Additional information. | | |
| 1.1. | Tension nominale du système électrique [V]:
Electrical system rated voltage [V]: | 12/24 V | |
| | Masse:
Ground: | Positive or Negative | |
| 1.2. | Ce SEEE peut être utilisé sur n'importe quel type de véhicule avec les restrictions suivantes:
This ESA can be used on any vehicle type with the following restrictions: | Refer to item 1.2.1. below | |
| 1.2.1. | Conditions d'installation, s'il y a lieu:
Installation conditions, if any: | According to manufacturer's installation | |
| 1.3. | Ce SEEE peut seulement être utilisé sur les types de véhicules suivants:
This ESA can be used only on the following vehicle types: | Not applicable | |
| 1.3.1. | Conditions d'installation, s'il y a lieu:
Installation conditions, if any: | Not applicable | |
| 1.4. | La (les) méthode(s) spécifique(s) d'essais utilisée(s) et les bandes de fréquences couvertes pour déterminer l'immunité étai(ent): (indiquez s'il vous plaît à partir de l'annexe 9 la méthode précise utilisée).
The specific test method(s) used and the frequency ranges covered to determine immunity were: (Please specify precise method used from annex 9). | Bulk current injection
ISO 11452-4: 3 rd ed. 2005
Absorber chamber test
ISO 11452-2: 2 nd ed. 2004 | (20 to 200 MHz)

(200 to 2000 MHz) |
| 1.5. | Laboratoire accrédité au titre de la norme ISO 17025 et reconnu par l'autorité d'homologation chargé d'effectuer les essais:
Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | Not applicable | |
| 2. | Commentaires:
Remarks: | None | |

² **Biffer la mention inutile**
Strike out what does not apply



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Registre de Commerce: B 27180

L-5201 Sandweiler



Référence: E13*10R00*10R04*12950*00

Annexes: - Rapport Technique
- Fiche de Renseignements du constructeur

Sandweiler, le 19 juillet 2013

Index du dossier d'homologation

Index to type-approval report

Numéro d'homologation:

Approval number:

E13*10R00*10R04*12950*00

Révision:

Revision:

00

Marque de fabrique ou de commerce:

Trade name or mark:

Truck-Lite

Type:

Type:

27290C/27291C

1.

Procès-verbal d'essai:

Test report:

N° LCA 53 0175 014 13

- Technical report:

Page 1 to 7;

- Index:

Annex A - Page 1.

2.

Dossier du constructeur:

Report of the manufacturer:

Annex B

- Content:

Refer to annex A of technical report.

3.

Autres documents annexés:

Other documents annexed:

Not applicable

4.

Date de délivrance de l'homologation initiale:

Date of issue of initial type approval:

19.07.2013

5.

Date de la dernière délivrance de pages révisées:

Date of last issue of revised pages:

Not applicable

6.

Date de la dernière délivrance d'une homologation révisée:

Date of last extension:

Not applicable



1. General

1.1. Test Provisions

The inspection was carried out according to the requirements of ECE-Regulation No. 10, including Supplement 1 to the 04 series of amendments which entered into force on July 26, 2012.

1.2. Information concerning the ESA type and the requested approval

The statements below apply to the previous ECE type-approval as referred to on page 1.

1.2.1. [] Numbering according to the communication concerning the approval following ECE-R10.

[1.] Make (trade name of manufacturer):

Truck-Lite

[2.] Type and general commercial description:

Type: **27290C/27291C**

Commercial description: **--**

[3.] Means of identification of type, if marked on the ~~vehicle~~ / component / ~~separate technical unit~~:

Please refer to item 6. below

[3.1.] Location of that marking:

Please refer to item 6. below

[4.] Category of the vehicle: **not applicable**

[5.] Name and address of the manufacturer:

**Truck-Lite Co., Inc.
310 East Elmwood Avenue
Falconer, NY 14733; USA**

...



- [6.] In the case of components and separate technical units, location and method of affixing of the EC type-approval mark:
- Pad printed on the housing**
- [7.] Address(es) of assembly plant(s):
- 11664 Route 6
Wellsboro, PA 16901; USA**
- 1.2.2. [] Numbering according to the communication concerning the approval following ECE-R10; Appendix to Annex 3B.
- [1.] Additional information:
- [1.1.] Electrical system rated voltage:
- 12V / 24V, negative or positive ground**
- [1.2.] This ESA can be used on any vehicle type with the following restrictions:
- See item [1.2.1.]**
- [1.2.1.] Installation conditions, if any:
- According to manufacturer's installation**
- [1.3.] This ESA can only be used on following vehicle types:
- not applicable**
- [1.3.1.] Installation conditions, if any:
- not applicable**
- [1.4.] The specific test method(s) used and the frequency ranges covered to determine immunity were:
- according to Annex 9 of the Regulation.**

...



In accordance with ISO 11452-2:2004; ISO 11452-4:2005; ECE-R10.04 with the following parameters:

- **Frequency range:** 20 – 2000 MHz
- **Modulation:** 20 – 800 MHz: 80% 1kHz sine wave AM
800 – 2000 MHz: 217Hz PM 577µs Pulse width
- **Method used:** 20 – 200 MHz: ISO 11452-4 Bulk current injection
200 – 2000 MHz: ISO 11452-2 Absorber lined chamber
- **Test level:** 20 – 200 MHz: 60mA, 100mA
200 – 800 MHz: 60V/m
800 – 2000 MHz: 60V/m
- **BCI probe position:** 15 cm
- **RF antenna polarization:** vertical
- **Dwell time:** 2 seconds

[1.5.] Approved/recognised laboratory responsible for carrying out the tests:
not applicable

[2.] Remarks:
None

2. Inspections and their results

2.1. Version of the tested vehicle

Following version(s) has (have) been used for testing:

- 27291C (LHT)

2.2. Inspection items

	Inspector	Location of test:	Date of receipt of test item:	Date of test:
Main report	G. Lamesch	TÜV Süd America Inc., 47523 Clipper St, Plymouth MI 48170	07.06.2013	18.06.2013

2.2.1. Test results:

2.2.1.1. Broadband and Narrowband parameters

Frequency range: 30 – 1000MHz
Bandwidth: 120kHz
Detection: Peak and Average
Antenna polarity: Horizontal and vertical

...



2.2.1.2. Broadband electromagnetic radiation

Results of the measurements in accordance with the method described in Annex 7 of ECE-R10:

Test facility: ~~outdoor~~/ enclosed
State of the ESA: normal working condition:
Condition A: front position lamp and passing beam on
Condition B: all functions on (Fr. pos, passing & driving beams)
Input voltage: 27V

The ESA is in compliance with the requirements.

2.2.1.3. Narrowband electromagnetic radiation:

Results of the measurements in accordance with the method described in Annex 8 of ECE-R10:

Test facility: ~~outdoor~~/ enclosed
State of the ESA: normal working condition:
Condition A: front position lamp and passing beam on
Condition B: all functions on (Fr. pos, passing & driving beams)
Input voltage: 27V

The ESA is in compliance with the requirements.

2.2.1.4. Immunity of Electrical / Electronic subassemblies to electromagnetic radiation

Results of the test outlined in Annex 9 of ECE-regulation R10:

Test facility: ~~outdoor~~/ enclosed
State of the ESA: normal working condition:
Condition A: front position lamp and passing beam
Condition B: all functions lit (Fr. pos, passing & driving beams)
Input voltage: 27V

No deviations were observed while the ESA was exposed to electromagnetic radiation according to the specifications of the above-mentioned Annex of the Regulation.

...



2.2.1.5. Immunity to transient disturbances conducted along supply lines:
Tests in accordance with Annex 10 of ECE-regulation R10 were performed and the specifications are fulfilled.

2.2.1.6. Emission of conducted disturbances:
Tests in accordance with Annex 10 of ECE-regulation R10 were performed and the specifications are fulfilled.

2.3. Remarks

The inspection results are only applicable to items, which have been tested.

2.4. Test facilities

Calibration of measuring and test equipment used to carry out the inspections is in accordance with the EC-Directive and/or ECE-Regulation stated in 1.1. of this report and with ISO 17025.

Inspectors stated under 2.2. of this report were in charge of performing and/or evaluating the tests.

3. Evaluation of test results

3.1. Variants and equipment covered

The tests carried out cover the following ESA variations and equipment as far as these are relevant for the radio interference suppression:

- RHT or LHT
- Rated system voltage

3.2. Remarks

3.2.1. Main report:

27291C for LHT traffic was tested and covers the RHT version (27290C).

...



4. **Statement of compliance**

The inspections and measurements carried out have shown the compliance of the device described in this report and the attached Annex with the requirements of the ECE-Regulation No. 10, including Supplement 1 to the 04 series of amendments, which entered into force on July 26, 2012.

Plymouth, July 15, 2013

Luxcontrol s.a.
Service Homologation-automobile

Gérard Lamesch
Ingénieur-Inspecteur

Philip Poirier
Ingénieur-Inspecteur

Annex



Index to the information package, including a summary in chronological order, concerning extensions and/or amendments

ECE type-approval No.: --

Main Report

Technical Report No.: LCA 53 0175 014 13 Page 1 to 7

Composition of the Annex:

A: Index	Page 1
B: Information folder	Page 1 to 6

Index to the information folder:

- Manufacturer's information document (page 1 to 6)



CORPORATE OFFICE

Truck-Lite Co., LLC
310 East Elmwood Avenue
Falconer, NY 14733
Phone: 716-665-6214
Fax: 716-665-6403
Email: corporate@truck-lite.com
Web: www.truck-lite.com
TS16949/ QS9000/ISO9001

Application Documents

Device Number: 27290C/27291C

Device Name: Truck-Lite 7" Round LED Headlamp Assembly with
Front Position Lamp (RHT or LHT)

ECE-R10.04

Information document for type approval of an electric/electronic sub-assembly with respect to electromagnetic compatibility

1. Make (trade name of manufacturer): **Truck-Lite**

2. Type: **27290C/ 27291C**

3. Means of identification of type, if marked on the component/separate technical unit:

27290C/RHT or 27291C/LHT

3.1. Location of that marking: **Pad Printed on Housing**

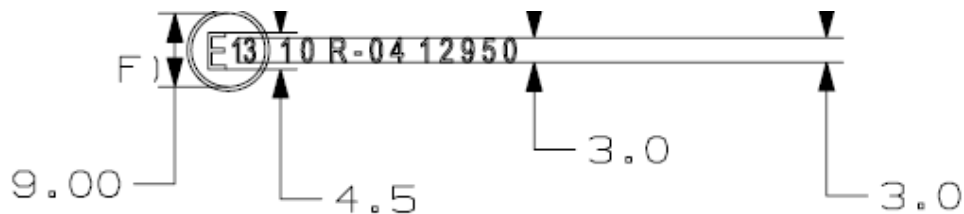
PAD PRINT THE FOLLOWING INFORMATION IN SILVER INK
 A) 27290C/RHT OR 27291C/LHT
 B) HR: 12V/24V 31W/30W
 C) HC: 12V/24V 18W/18W
 D) A: 12V/24V 4W/8W

4. Name and address of manufacturer:

**Truck-Lite Co, LLC.,
 310 E Elmwood Ave.
 Falconer , NY 14733; USA**

Name and address of authorized representative, if any: **N/A**

5. In the case of components and separate technical units, location and method of affixing of the approval mark: **Pad Printed On Housing**



6. Address(es) of assembly plant(s): **11664 Route 6, Wellsboro, PA 16901**

7. This ESA shall be approved as a **component/STU**

8. Any restrictions of use and conditions for fitting:

Mount in standard vehicle application provided with appropriate wire harness and connector.

9. Electrical system rated voltage: **12/24 V, positive or negative ground**

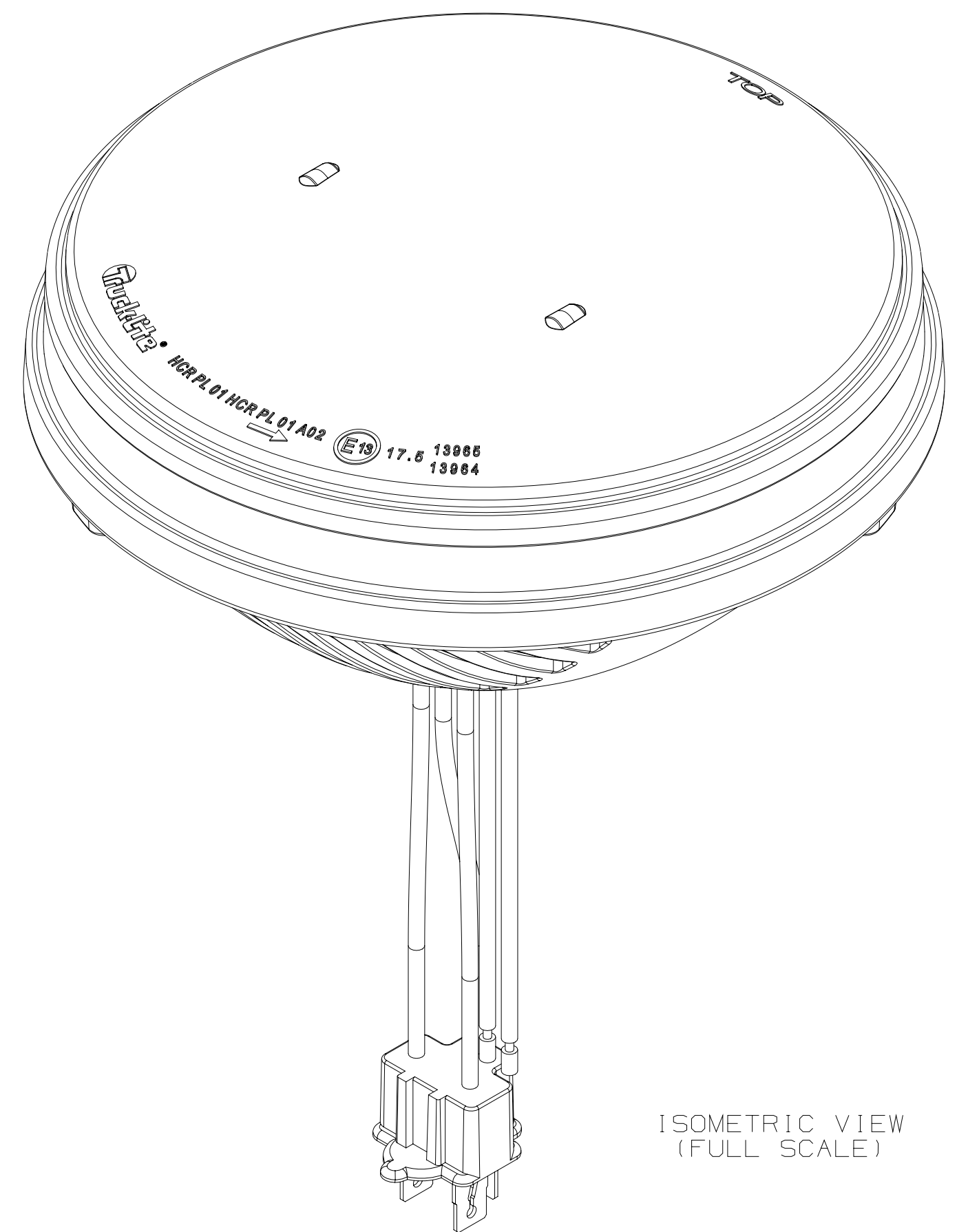
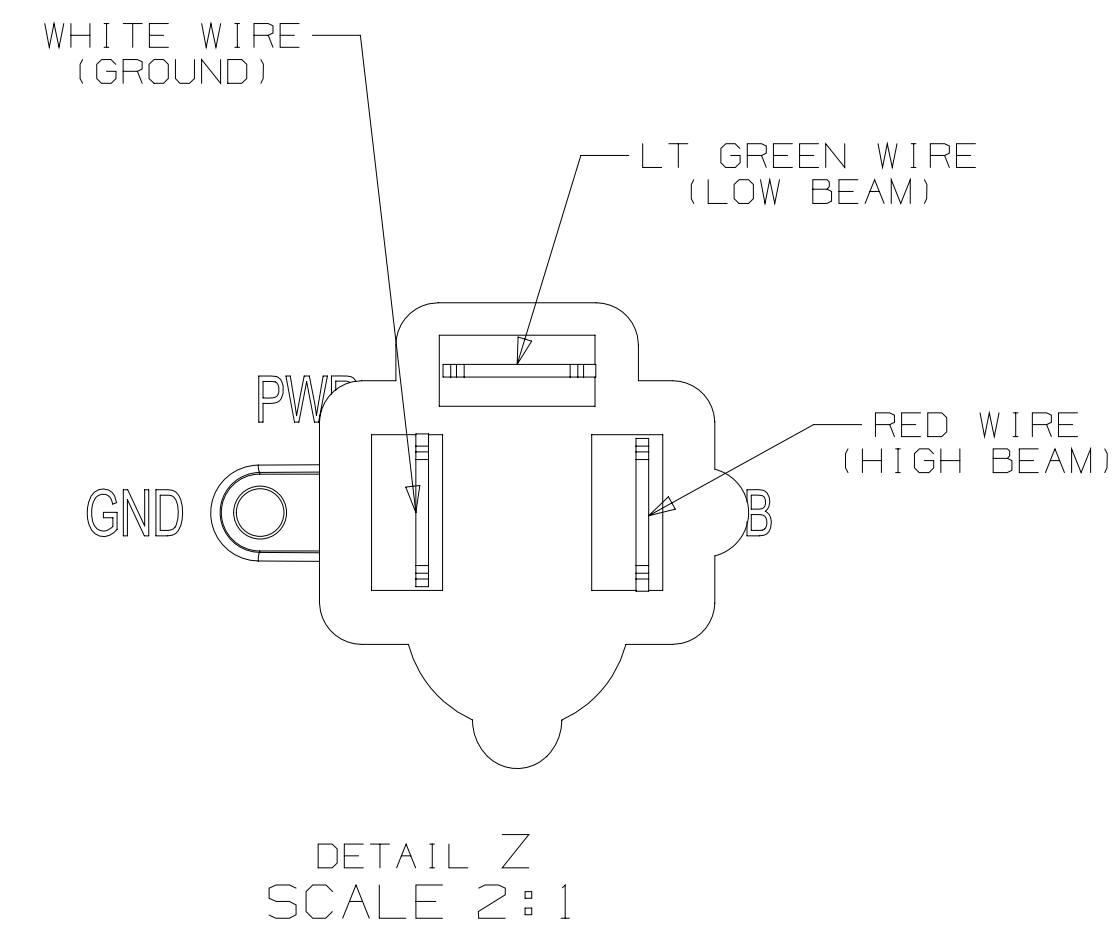
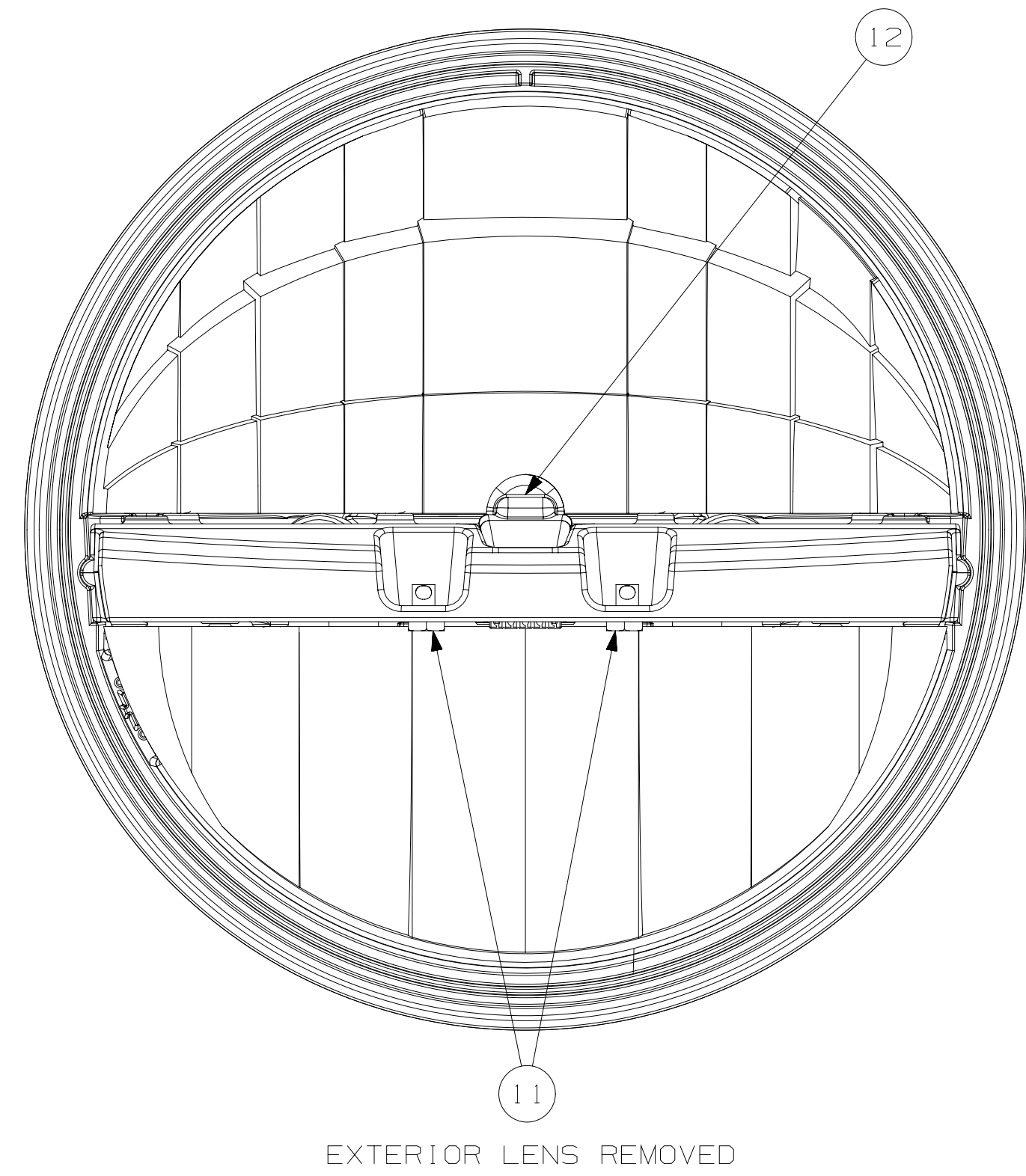
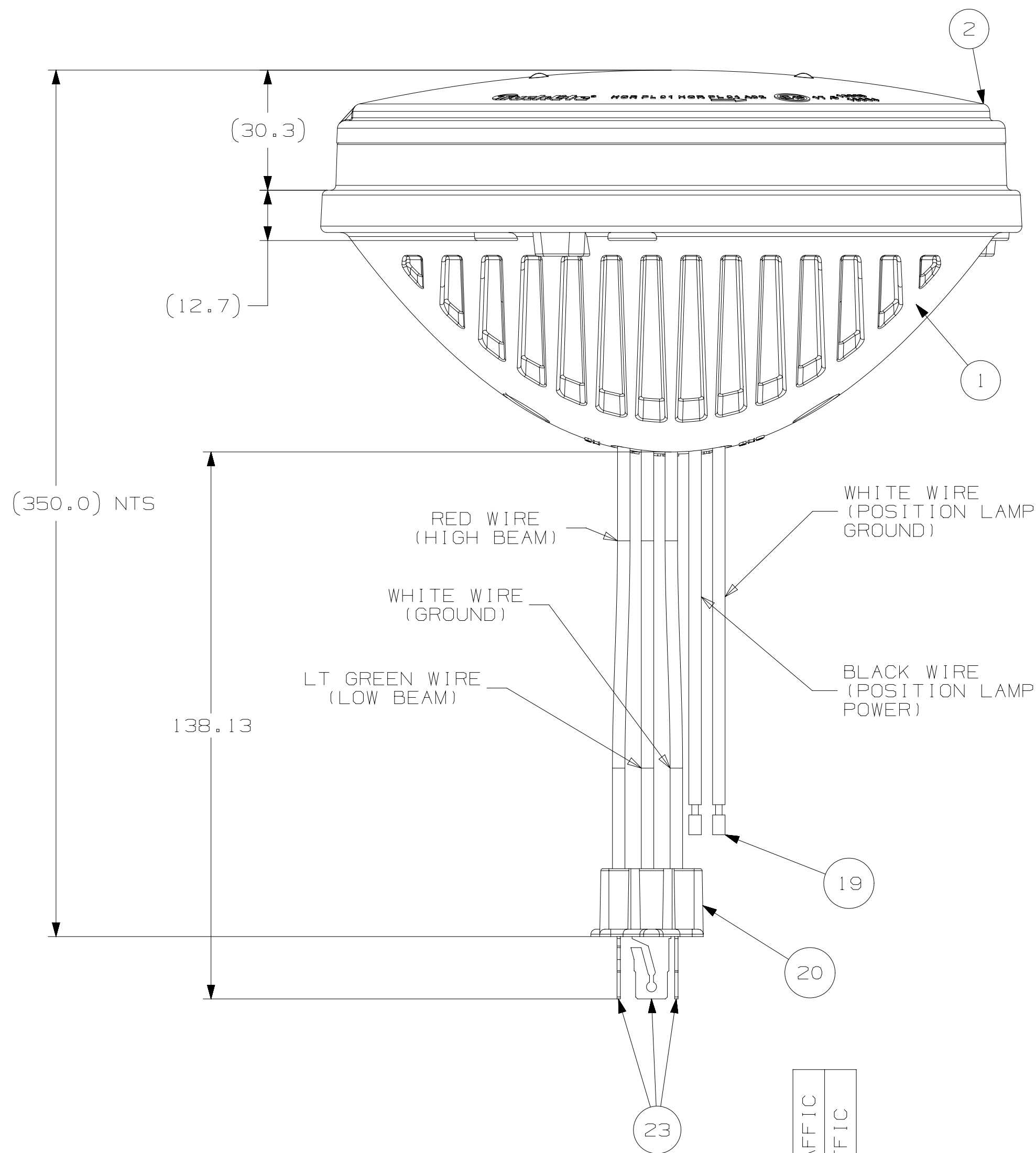
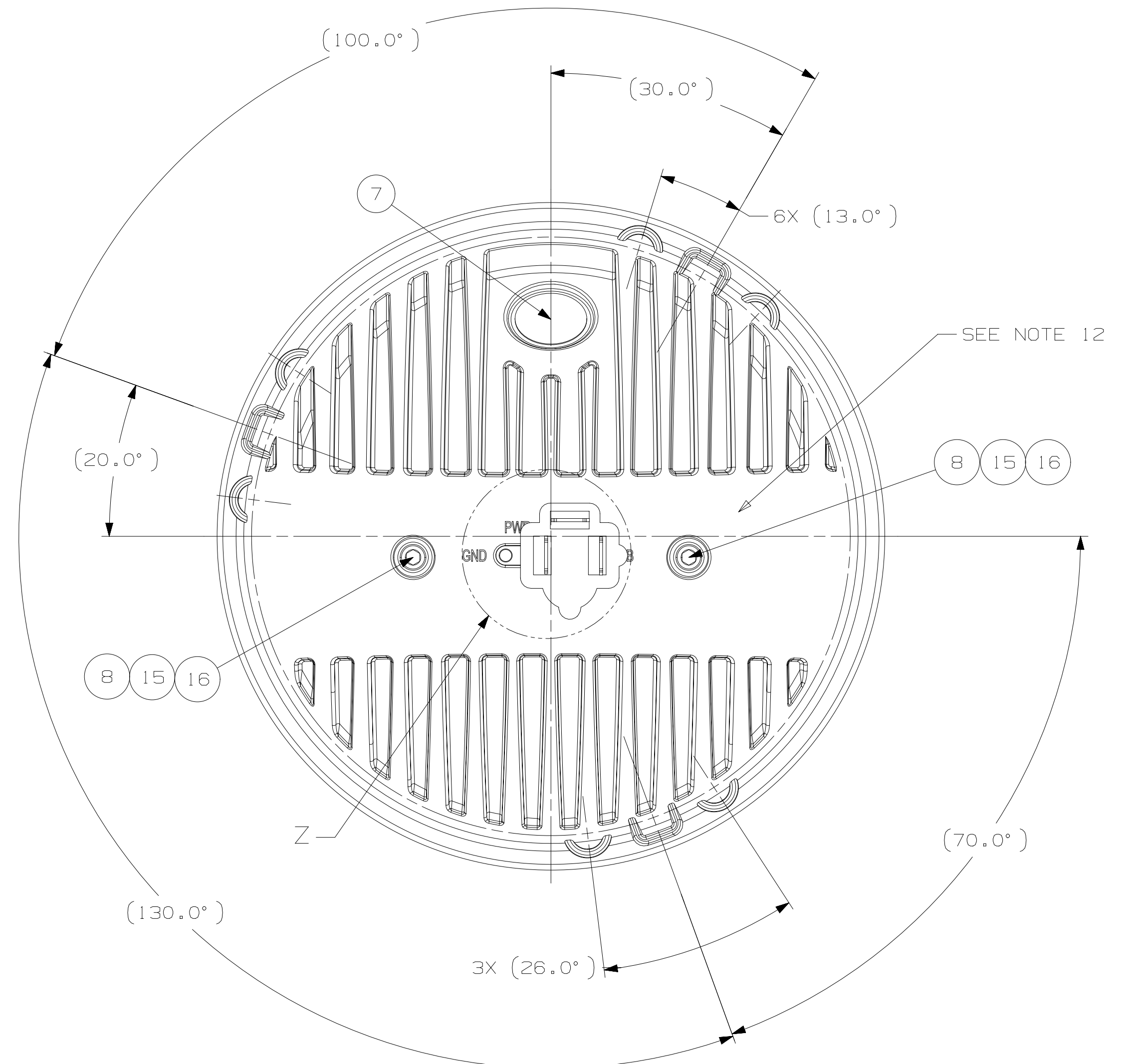
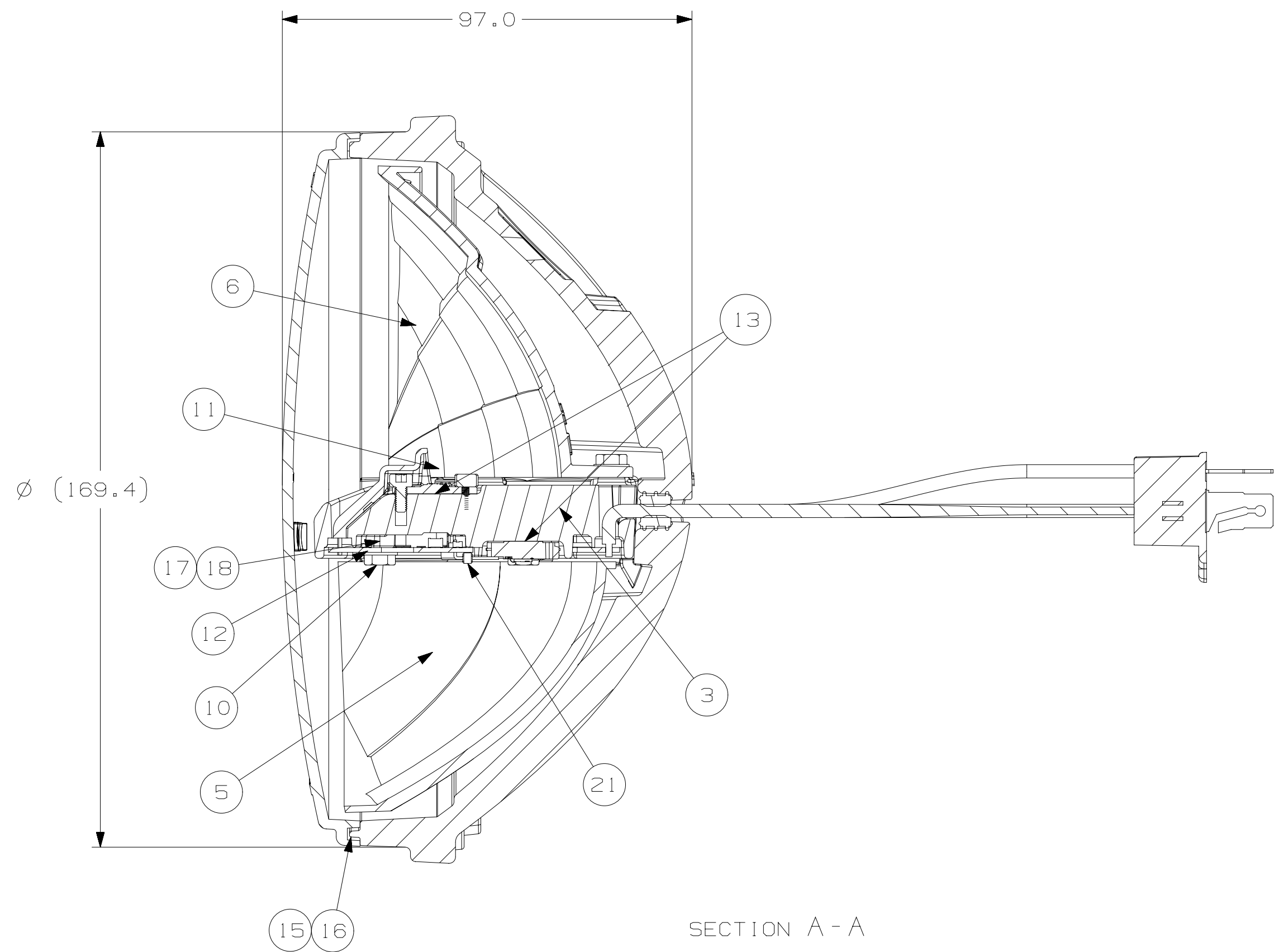
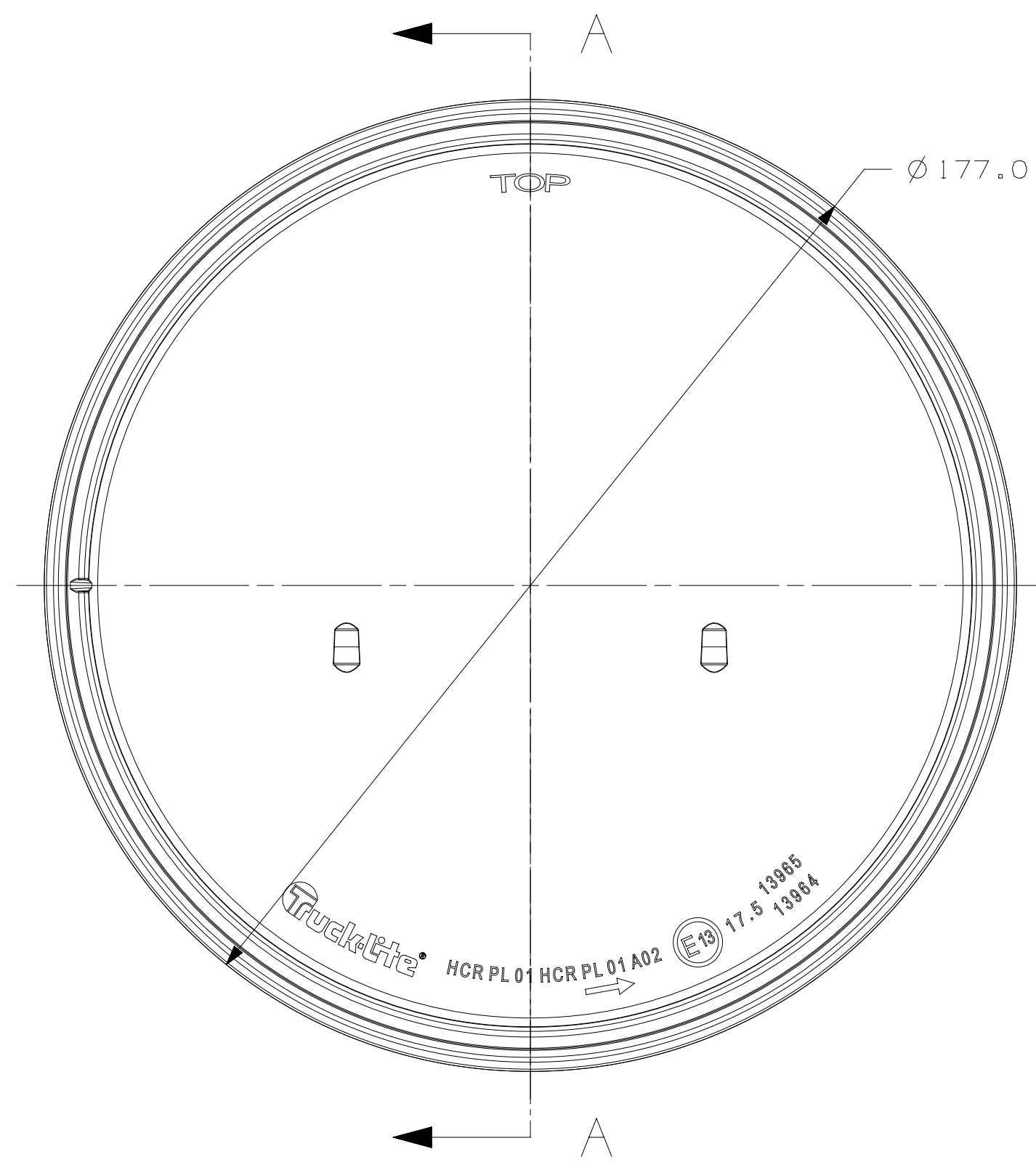
Appendix 1: Description of the ESA chosen to represent the type (electronic block diagram and list of main component constituting the ESA (e.g. make and type of microprocessor, crystal, etc.):
 Microchip Technology Inc, PIC 16F 1827-E/ ML

7” round LED Headlamp assembly overview**1. Function: Type: Regulation: Color: LED's: Voltage : Wattage**

Function	Type	Regulation	Color	#LED's	Voltage	Wattage
Front Position Lamp:	A	ECE R7	White	2 - Non Replaceable Nichia Side Emitting SSW129P	12/24	4/8
Dipped Beam Headlamp	HC	ECE R112	White	1 Non Replaceable (Osram 1x5 Ostar Pro) LE UW U1A5	12/24	18/18
Main Beam Headlamp	HR	ECE R112	White	1 Non Replaceable (Luxeon Altilon C4-0850) (Dipped Beam is on at the same time)	12/24	31/30

2. Construction and Material

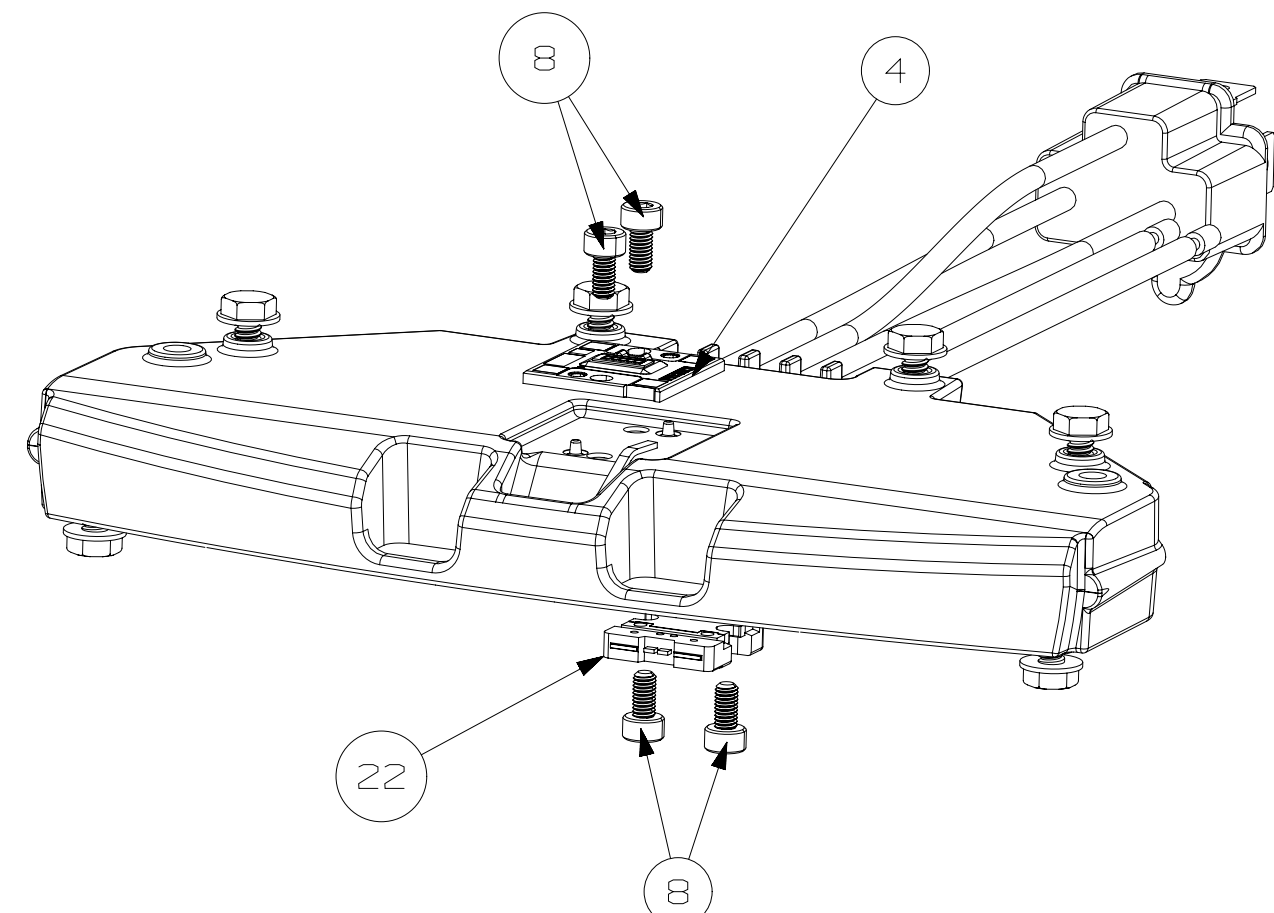
Construction	Material	Remarks
Lens	Clear Polycarbonate Sabic (GE) LEXAN LS2 Red Spot UVT200 Hard Coating	
Housing	Black Electrocoated Die-cast A360 Aluminum and Black Electrocoated Die-cast A 360 Aluminum Driver Module	Inkjet Markings for Individual Functions, Voltage and Wattage
Electrical	Switch Mode Regulated Power Supply, FR4 Printed Circuit Board with Surface Mount Devices. Part # A32375	12/24 Volts



NOTES:

- LAMP DESIGNED TO CONFORM WITH THE FOLLOWING:
ECE R112-01 REQUIREMENTS AND DVP&R 27290C/27291C:
a) LOW BEAM: ECE R112-01 Aug. 15 2012 Class B
b) HIGH BEAM: ECE R112-01 Aug. 15 2012 Class B
c) DESIGN VOLTAGES FOR ECE TESTING:
13.2V & 26.4V
- CURRENT TEST:
a) LOW BEAM: 1.20A - 1.50A @ 13.2V
0.60A - 0.75A @ 26.4V
2.10A - 2.60A @ 13.2V
b) HIGH BEAM: 1.00A - 1.25A @ 26.4V
1.00A - 1.25A @ 13.2V
c) POSITION LAMP: 0.025 - 0.035 @ 13.2V
0.025 - 0.035 @ 26.0V

- WIRE IDENTIFICATION:
a) WHITE - GROUND
b) RED - HIGH BEAM
c) LT. GREEN - LOW BEAM
d) BLACK BLUNT CUT - POSITION LAMP POWER
e) VIOLET BLUNT CUT - POSITION LAMP GROUND
f) VIOLET BLUNT CUT - POSITION LAMP GROUND
g) VIOLET BLUNT CUT - POSITION LAMP GROUND
h) VIOLET BLUNT CUT - POSITION LAMP GROUND
i) VIOLET BLUNT CUT - POSITION LAMP GROUND
j) VIOLET BLUNT CUT - POSITION LAMP GROUND
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n) VIOLET BLUNT CUT - POSITION LAMP GROUND
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p) VIOLET BLUNT CUT - POSITION LAMP GROUND
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s) VIOLET BLUNT CUT - POSITION LAMP GROUND
t) VIOLET BLUNT CUT - POSITION LAMP GROUND
u) VIOLET BLUNT CUT - POSITION LAMP GROUND
v) VIOLET BLUNT CUT - POSITION LAMP GROUND
w) VIOLET BLUNT CUT - POSITION LAMP GROUND
x) VIOLET BLUNT CUT - POSITION LAMP GROUND
y) VIOLET BLUNT CUT - POSITION LAMP GROUND
z) VIOLET BLUNT CUT - POSITION LAMP GROUND
- PERFORM PRESSURE DECAY TESTING ON ASSEMBLY NO. SOONER THAN 1 HOUR AFTER URETHANE AND LENS ARE APPLIED. APPLY ONE PSI THROUGH GORE-TEX VENT HOLE TO ENSURE LENS IS PROPERLY SEALED.
- APPLY GORE-TEX VENT AFTER PRESSURE DECAY TEST LAMP TO BE OPERATED ON HIGH BEAM FUNCTION FOR 12 HOURS, TURNED OFF FOR 1 HOUR, AND TURNED ON HIGH BEAM FUNCTION FOR 1 HOUR. TESTING TO BE COMPLETED BEFORE LENS IS APPLIED.
- FACE OF LENS IS HARD COATED TO MEET ECE R112-01 AUG. 15 2012
- RECOMMENDED SCREW TORQUE FOR P6500* SCREWS: 9.0 - 11.0 in-lb
- RECOMMENDED SCREW TORQUE FOR 6523* SCREWS: 40.0 - 44.0 in-lb
- RECOMMENDED SCREW TORQUE FOR 6808* SCREWS: 8.0 - 10.0 in-lb
- INK-JET THE FOLLOWING INFORMATION APPROXIMATELY AS SHOWN IN YELLOW INDELIBLE INK:
A) DIGIT JULIAN DATE CODE
B) SHOP ORDER & LAMP SERIAL NUMBER
- PAD PRINT THE FOLLOWING INFORMATION IN SILVER INK:
A) 27290C/RHT OR 27291C/LHT
B) HR: 12V/24V 31W/30W
C) HC: 12V/24V 18W/18W
D) A: 12V/24V 4W/18W
E) HOUSING: AL LENS: PC



- RECOMMENDED SCREW TORQUE FOR P6500* SCREWS: 9.0 - 11.0 in-lb
- RECOMMENDED SCREW TORQUE FOR 6523* SCREWS: 40.0 - 44.0 in-lb
- RECOMMENDED SCREW TORQUE FOR 6808* SCREWS: 8.0 - 10.0 in-lb
- INK-JET THE FOLLOWING INFORMATION APPROXIMATELY AS SHOWN IN YELLOW INDELIBLE INK:
A) DIGIT JULIAN DATE CODE
B) SHOP ORDER & LAMP SERIAL NUMBER
- PAD PRINT THE FOLLOWING INFORMATION IN SILVER INK:
A) 27290C/RHT OR 27291C/LHT
B) HR: 12V/24V 31W/30W
C) HC: 12V/24V 18W/18W
D) A: 12V/24V 4W/18W
E) HOUSING: AL LENS: PC

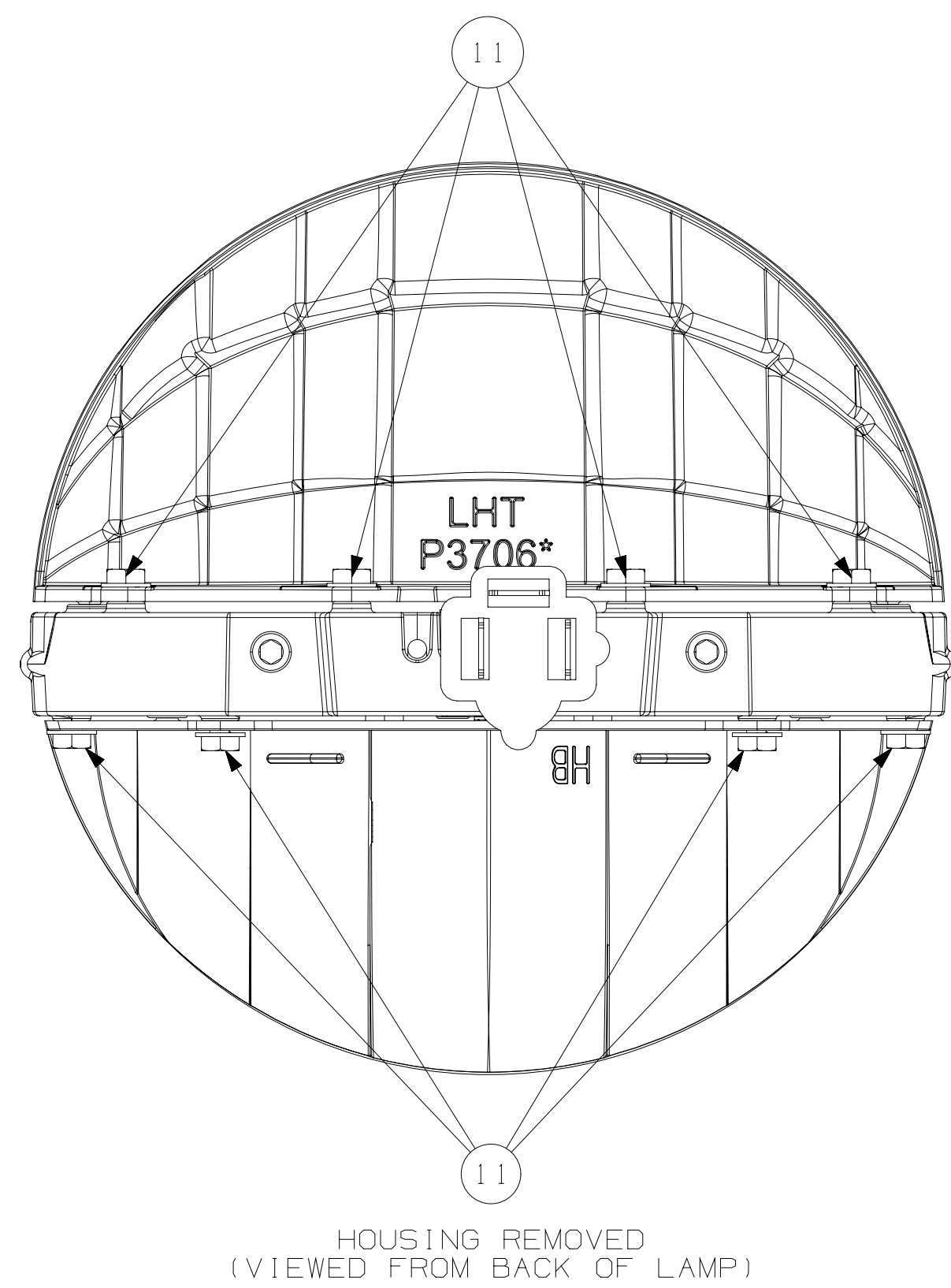
G) HCR PL01 A02 (E) 17.5 13864

TO BE PAD PRINTED ON PART NUMBER 27291C ONLY

H) HCR PL01 A02 (E) 17.5 13865

TO BE PAD PRINTED ON PART NUMBER 27290C

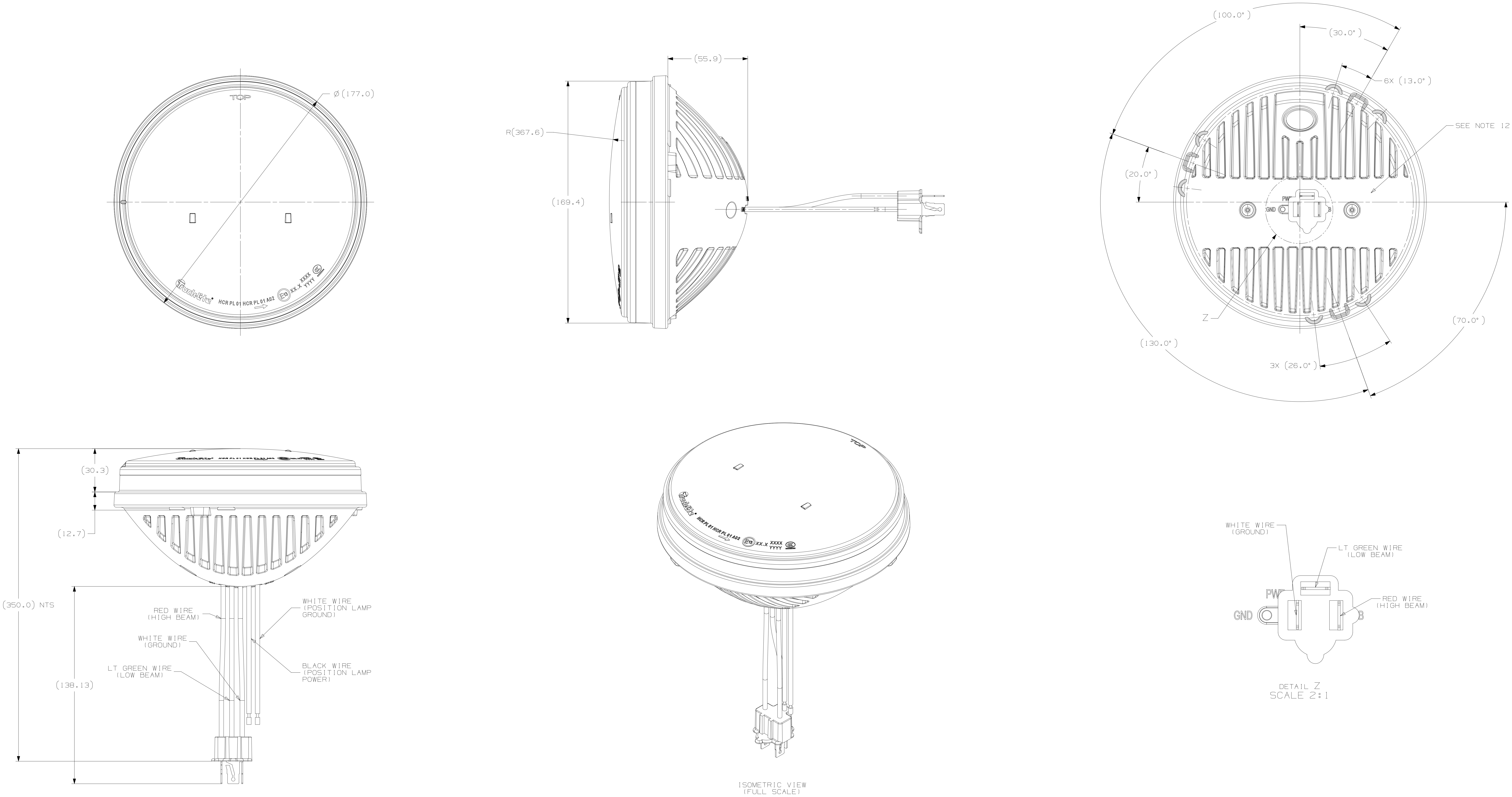
ITEM	PART NO.	DWG. NO.	DESCRIPTION	REQ.
23	6290	18094B	TERM PE 8905807	3 X X
22	P4685	55714C	LED-LAFL-C45-0850,ALTI LON 1X4	1 X X
21	P6019	56470B	TERM-HDR,RIGHT ANGLE,LED HDLMP	1 X X
20	A39224	20695B	S/A-CONN,PE 8917857 CUT .900"	1 X X
19	A28212	61290B	S/A-PGTL,LED HDLMP,16GA,SEAL	1 X X
18	8547A	58057C	EPOXY-ER3350,FLEX SEAL X,PRT B	A/R X X
17	8546A	58057C	EPOXY-ER3350,FLEX SEAL X,PRT A	A/R X X
16	8862	34528B	ADHS-HDNR,URTHN,UR353B	A/R X X
15	8861	34528B	ADHS-HDNR,URTHN,UR353A	A/R X X
14	8900A	42893A	SOLDER-GLOW CORE FLUX	A/R X X
13	8727	42373B	HEAT SINK COMPOUND,DOW 340	A/R X X
12	A32375	61271D	S/A-PCB,LED HDLMP,7",ECE,9-33V	1 X X
11	P4006	61628C	TERM-BUSS BAR,ECE 7" RND	1 X X
10	6808	62011B	SCREW-#6-32X1/4,SWAGEFORM,HEX	10 X X
9	P6523A	61339B	SCREW-#6-32X1.5,BTN HEAD,BLK	2 X X
8	P6500A	56001B	SCREW-M3X0.5X6,SOCKET HD CAP,BLK	4 X X
7	8817A	29872B	VENT-GORETEX,VE2004	1 X X
6	P3707	61297D	REFL-LED HDLMP,7"RND,RHT,LW BM	1 X X
5	P3706	61295D	REFL-LED HDLMP,7"RND,LHT,LW BM	1 X X
4	P3723B	56044D	REFL-LED HDLMP,7"RND,V/M,HT BM	1 X X
3	P4415	61614C	LED-OSRAM,LE UW U1A5 01,1XS	1 X X
2	A39555	61263E	HT-SNK,DIE-CAST,7",HDLMP,ECE	1 X X
1	3206	61256E	HSNG-AL,7"LED HDLMP,PH 7,ECE	1 X X



REV	DATE	DESCRIPTION	EDN	OWN	APVD
2	8-19-13	ADDED NOTE 136 & 13H	39006	MPW	+SDW
1	5-29-13	P6523A WAS P6523	39006	MPW	+SDW
0	5-21-13	RELEASE	39006	MPW	+SDW
F	5-21-13	ADDED NOTE 13 TO PRINT	39006	MPW	+SDW
E	4-23-13	ADDED B290 TO BILL; PAGES WAS P4514 & ADD NOTE 12C.G	39006	MPW	+SDW
D	2-28-13	UPDATED BOM FOR IOM	39006	MPW	+SDW
C	1-7-13	07E052575 WAS P4685	39006	MPW	+SDW
B	12-18-12	CREATED PRELIMINARY BOM	39006	MPW	+SDW
A	12-17-12	PRELIMINARY	39006	MPW	+SDW

REFERENCE DIM. NO.	THIRD ANGLE PROJECTION	DIMENSIONS ARE IN MM
62154E*		TOLERANCES:
DIST./SUPPLIER PART NO.		DECIMALS: 1 PL 1, 2 PL 2, 3 PL 3
		ANGULAR: 1'

TRUCK-LITE CO., INC.	FALCONER, NEW YORK, USA
LMP-LED, HDLMP, HI/LOW, ECE, PH7	
SCALE: 1:1	CHARTED



REFERENCE DRAWING

NOTES:

- LAMP DESIGNED TO CONFORM WITH THE FOLLOWING ECE R112-01 REQUIREMENTS AND DVP&R 27280C/27291C:
 - LOW BEAM: ECE R112-01 Aug. 15 2012 Class B
 - HIGH BEAM: ECE R112-01 Aug. 15 2012 Class B
 - DESIGN VOLTAGES FOR ECE TESTING:
13.2V & 26.4V
- CURRENT TEST:
 - LOW BEAM:
1.20A - 1.50A @ 13.2V
0.60A - 0.75A @ 26.4V
 - HIGH BEAM:
2.10A - 2.60A @ 13.2V
1.00A - 1.25A @ 26.4V
 - POSITION LAMP:
0.025 - 0.035 @ 13.5V
0.025 - 0.035 @ 28.0V
- WIRE IDENTIFICATION:
 - WHITE - GROUND
 - RED - HIGH BEAM
 - LT. GREEN - LOW BEAM
 - BLACK BLUNT CUT - POSITION LAMP POWER
 - VIOLET BLUNT CUT - POSITION LAMP GROUND
- LAMP DESIGNED FOR VISUAL AIMING
- FACE OF LENS IS HARD COATED TO MEET ECE R112-01 AUG. 15 2012

27291C	LMP-LED,HOLMP,7",ECE,LHT	LMP-LED,HOLMP,HI/LOW,ECE,PH7
27290C	LMP-LED,HOLMP,7",ECE,RHT	
PART NUMBER	DESCRIPTION	

Q	4-24-13	RELEASE	39006	MPH	450W
REV	DATE	DESCRIPTION	ECN	OWN	APVD
REVISION HISTORY					
THIS DRAWING CONTAINS CONFIDENTIAL, PROPRIETARY INFORMATION OWNED BY TRUCK-LITE CO., INC. AND IS SUBJECT TO PATENTS. UPON REQUEST, THE SIGNATURE OF THIS DRAWING IS REQUIRED TO BE AFFIXED TO THE DRAWING. ANY UNAUTHORIZED REPRODUCTION OF THE STRUCTURES SHOWN HEREON IS PROHIBITED.					
REFERENCE DIM. NO.	THIRD ANGLE PROJECTION	DIMENSIONS ARE IN MM			
62154E		TOLERANCES:			
DRAWN/SUPPLIER PART NO.	DATE DATA SOURCE	UNIGRAPHICS	DECIMALS: 1 PL 1	2 PL 2	3 PL 3
-	-	-	ANGULAR: 1"	2 PL 2	3 PL 3
TRUCK-LITE CO., INC. FALCONER, NEW YORK, USA					