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Photo by Graham Garfield

**Main Light Fixtures, CTA
3200 & 5000 Series Cars
ICD- 107099**



Photo by Matthew Iacoda

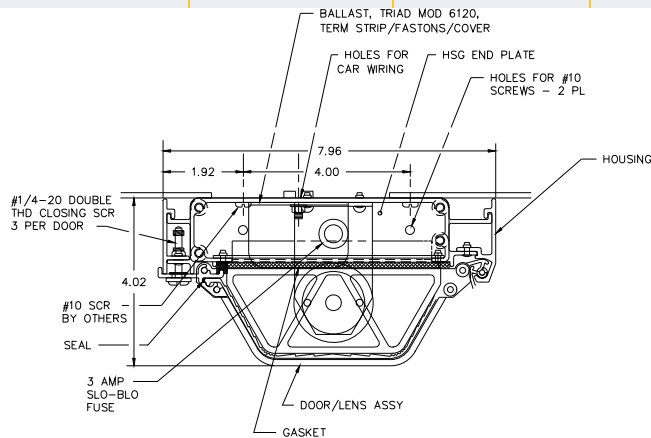
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Main Light Fixtures, CTA 3200 & 5000 Series Cars

ICD-107099

DASH NUMBER DESCRIPTION WEIGHT Lamp Size

-001	75" Fixture	24.0 lbs.	F72T12
-003	49.19" Fixture	16.8 lbs.	F48T12
-004	49.19" Fixture	16.8 lbs.	F48T12
-005	60.75" Fixture	21.0 lbs.	F48T12
-006	60.75" Fixture	21.00 lbs.	F48T12
-007	100.94" Fixture	34.0 lbs.	F48T12
-008	100.94" Fixture	34.0 lbs.	F48T12
-009	75" Fixture	24.0 lbs.	F72T12
-010	49.19" Fixture	16.8 lbs.	F48T12
-011	49.19" Fixture	16.8 lbs.	F48T12



FIXTURE ASSY	LENGTH	LAMPS	EST WT LBS	LENS	CARS USED ON
107099-001	75.00"	(1) F72T12	24.0	CLEAR	3200/5000
107099-003	49.19"	(1) F48T12	16.8	CLEAR	3200/5000
107099-004	49.19"	(1) F48T12	16.8	CLEAR	3200/5000
107099-005	60.75"	(1) F48T12	21.0	CLEAR	3200/5000
107099-006	60.75"	(1) F48T12	21.0	CLEAR	3200/5000
107099-007	100.94"	(2) F48T12	34.0	CLEAR	3200/5000
107099-008	100.94"	(2) F48T12	34.0	CLEAR	3200/5000
107099-009	75.00"	(1) F72T12	24.0	CLEAR	3200/5000
107099-010	49.19"	(1) F48T12	16.8	CLEAR/BLUE	5000
107099-011	49.19"	(1) F48T12	16.8	CLEAR/BLUE	5000

CUSTOM FEATURES

Material—Housing—
6063 Aluminum
Extrusion
Lens Frame—Aluminum
Extrusion
Lens End Cap—
Polycarbonate

Closing Screws—
Stainless Steel

-010 and -011 part
numbers have a clear/
blue lens

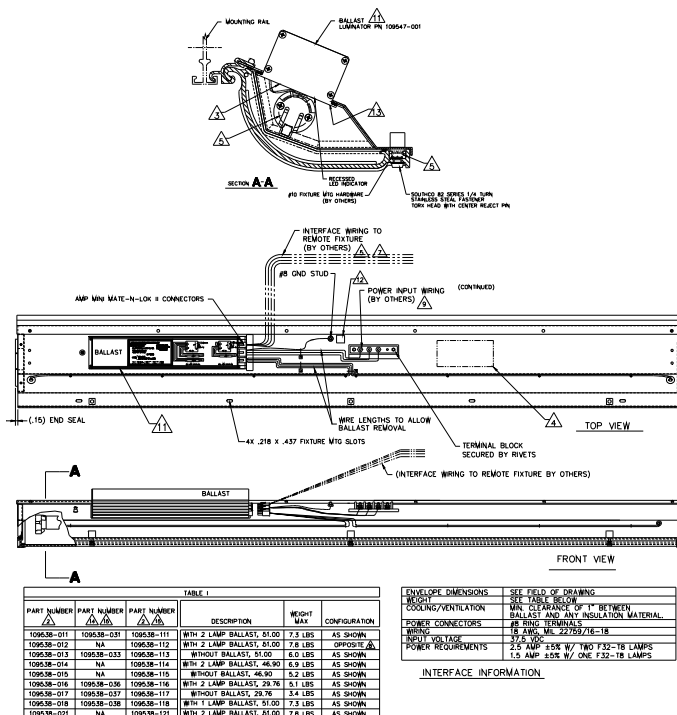

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**Light Assembly–
Main,
Fluorescent
ICD– 109538**







Indirect Background Light
ICD- 109689

Indirect Background Light

ICD-109689

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	6' Fluorescent Fixture	18.7 lbs.	Rail and Endcaps painted Amtrak S3
-003	3' Fluorescent Fixture	10.0 lbs.	Rail and End Caps painted Amtrak S3

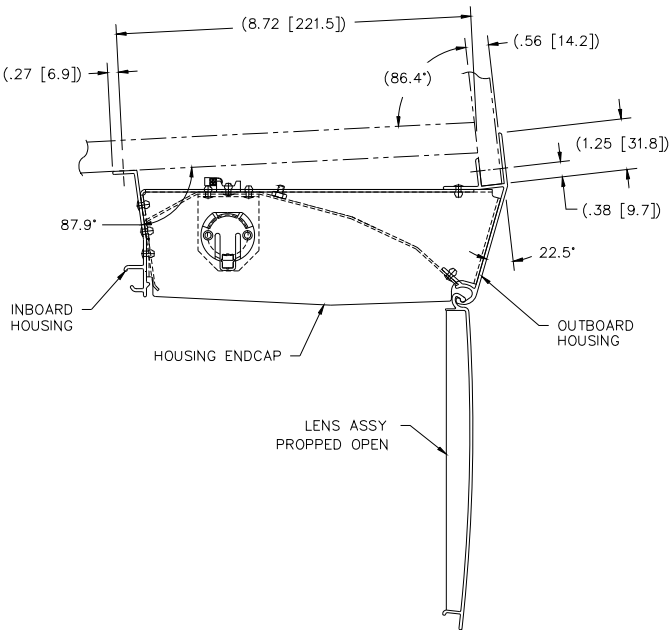
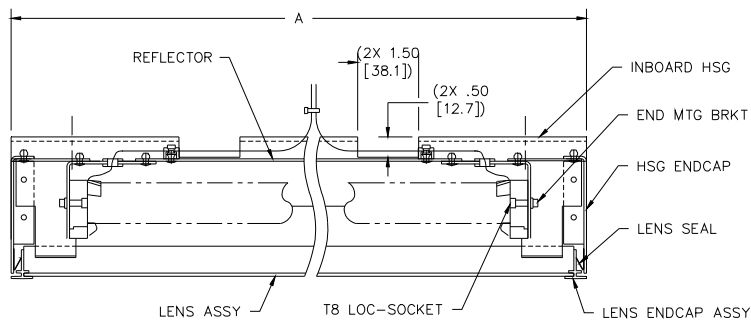
CUSTOM FEATURES

Material—Housing
Aluminum
Housing End Cap—
Aluminum
Lens—Extruded
Polycarbonate
Translucent
Lens End Cap—Molded
Polycarbonate

Connectors—Amp Mate
n Lok II

Mounting Hardware
provided by others

Ballast mounted
remotely




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Fluorescent Light Fixture
ICD- 110306

Fluorescent Light Fixture

ICD-110306

DASH NUMBER DESCRIPTION WEIGHT LAMP SIZE

-001	Light Assembly w/2 lamp ballast	16.10 lbs.	F25T8 F17T8
-003	Light Assembly w/1 lamp ballast	12.45 lbs.	F32T8
-005	Light Assembly w/1 lamp ballast	10.24 lbs.	F25T8
-007	Light Assembly w/1 lamp ballast	6.70 lbs.	F17T8
-009	Light Assembly w/o ballast	11.80 lbs.	F32T8
-011	Light Assembly w/1 lamp ballast	10.24 lbs.	F25T8
-013	Light Assembly w/1 lamp ballast	6.70 lbs.	F17T8

CUSTOM FEATURES

Material-
Housing—Aluminum
5052

Lens—co-extruded
Polycarbonate

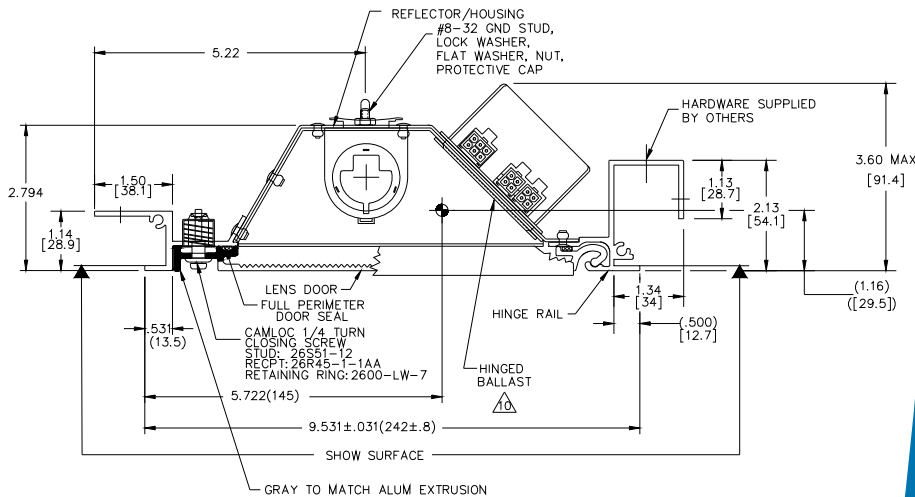
Mounting Rail—
Aluminum
Anodized

Stainless Steel
Fasteners

Mini mate n loc
connectors

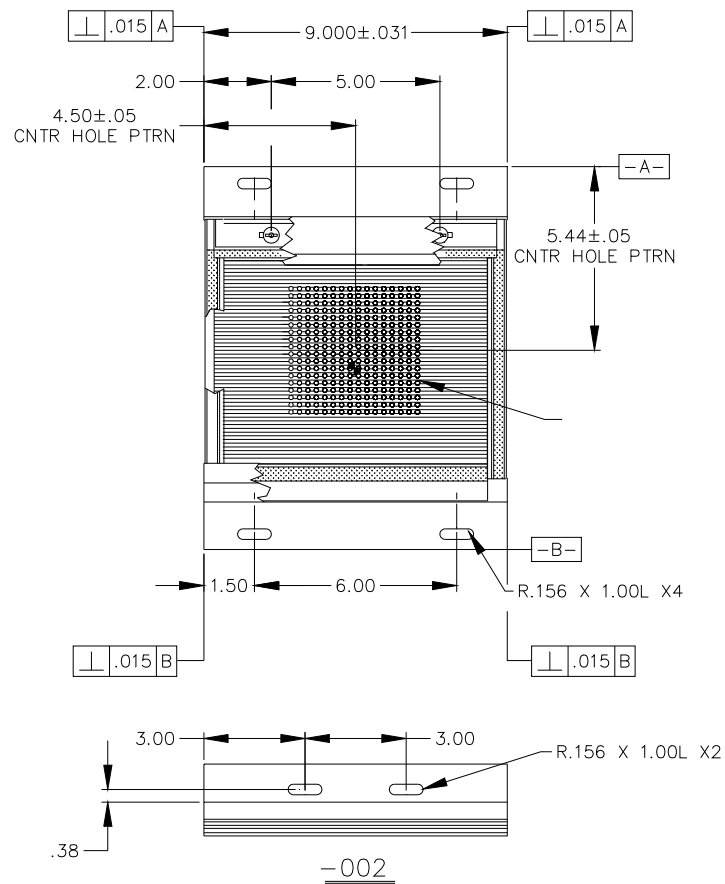
Mounting Hardware
provided by others

Lamps provided by
others



PART NUMBER	LAMP	BALLAST	CLOSING FASTENER	VOLTAGE	WT MAX	LENGTH	TUBE
110306-001	F25T8/F17T8	YES	3	72 VDC	16.10LBS	68.00	24" & 36"
110306-003	F32T8	YES	3	72 VDC	12.45LBS	53.25	48"
110306-005	F25T8	YES	3	72 VDC	10.24LBS	41.50	36"
110306-007	F17T8	YES	2	72 VDC	6.70LBS	24.75	24"
110306-009	F32T8	NO	3	72 VDC	11.80LBS	53.25	48"
110306-011	F25T8	YES	3	72 VDC	10.24LBS	41.50	36"
110306-013	F17T8	YES	2	72 VDC	6.70LBS	24.75	24"

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Fluorescent Light Filler Panel
ICD- 110317

Fluorescent Light Filler Panel

ICD-110317

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	Complete assembly w/ lens and hinge rail	1.90 lbs.	Annodized
-002	Complete assembly w/ lens and hinge rail	1.85 lbs.	Annodized
-003	Complete assembly w/ lens and hinge rail	2.87 lbs.	Annodized
-004	Complete assembly w/ lens and hinge rail	3.45 lbs	Annodized
-005	Complete assembly w/ lens and hinge rail	1.76 lbs.	Annodized
-006	Complete assembly w/ lens and hinge rail	4.56 lbs.	Annodized

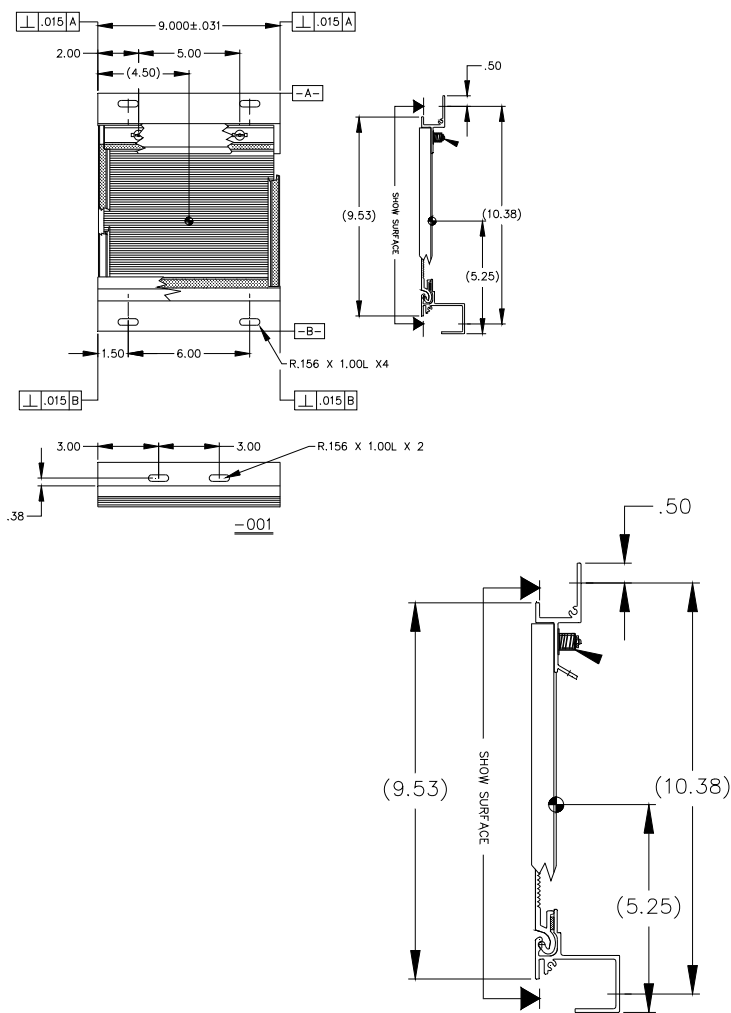
CUSTOM FEATURES

Material
Lens– Polycarbonate

Mounting and Hinge
Rail—Aluminum
Extruded

End Seals—Molded
Polycarbonate

Closing Fasteners—
Stainless Steel Camloc
1/4 turn




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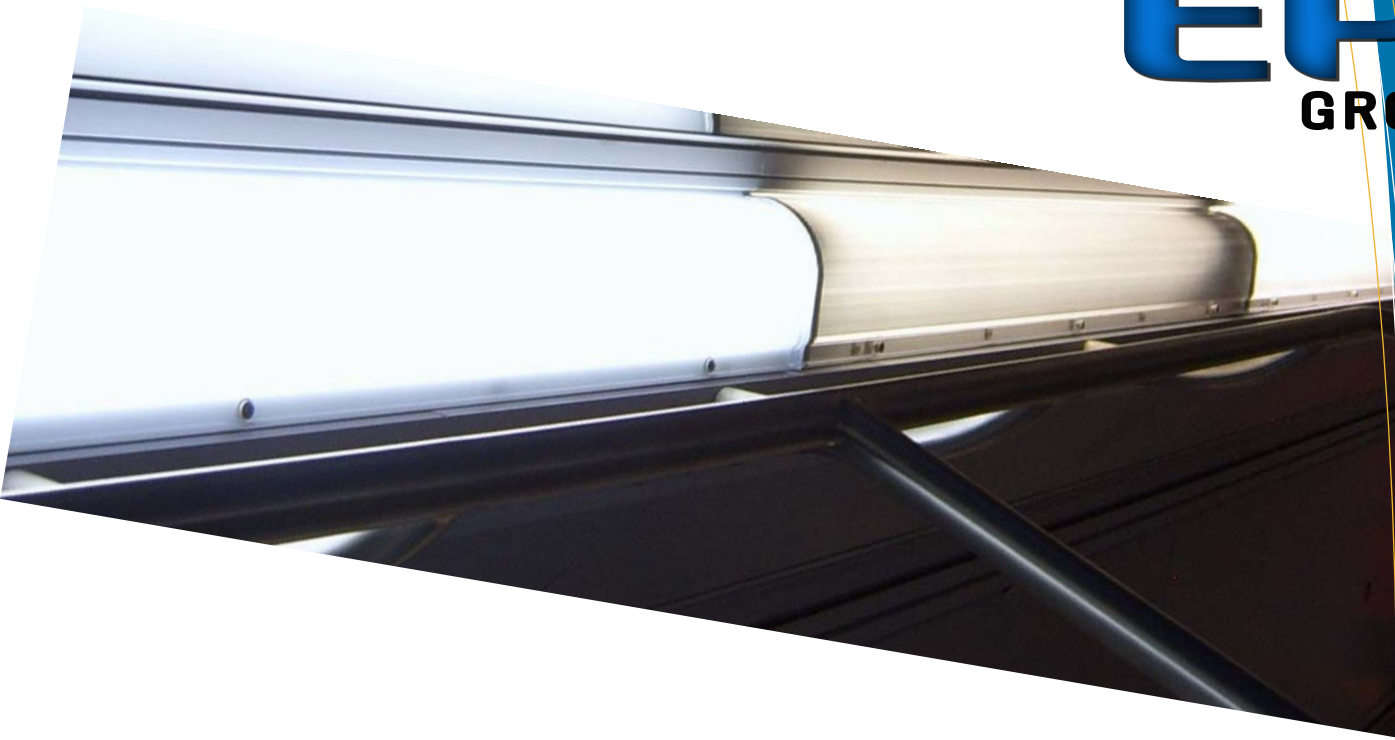


Light Assembly– Low Ceiling
ICD- 110328

PART NUMBER	LENGTH	LAMP	BALLAST	CLOSING FASTENER	VOLTAGE	EST. WEIGHT - LBS
110328-001	49.25	F3218	2 LAMP	3	120 VAC	16.2
110328-003	49.25	F3218	1 LAMP	3	120 VAC	18.2
		CF15H/267	1 LAMP		74 VDC	
110328-005	49.25	F3218	BATTERY PACK	3	120 VAC	16.2
110328-011	49.25	F3218	2 LAMP	3	120 VAC	18.2
		CF15H/267	1 LAMP		74 VDC	


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Main Interior Light
ICD-111008



Main Light Fixture

ICD-111008

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
-001	Main Light w/ 2 lamp ballast	7.8 lbs.	51.00"
-003	Main Light w/o ballast	6.0 lbs.	51.00"
-006	Main Light w/2 lamp ballast	5.6 lbs.	29.76"
-007	Main Light w/o ballast	3.4 lbs.	29.76"
-008	Main Light w/l lamp ballast	7.8 lbs.	51.00"

CUSTOM FEATURES

Lamp Type—F32 T8
Fluorescent (supplied by
others)

LED Assemblies
available in this design

Aluminum Housing

Extruded prismatic
polycarbonate lens

Aluminum Powder
Coated Rails

Lumnator Loc-Socket
holders

Closing Hardware—
Stainless Steel

Mounting hardware
provided by others


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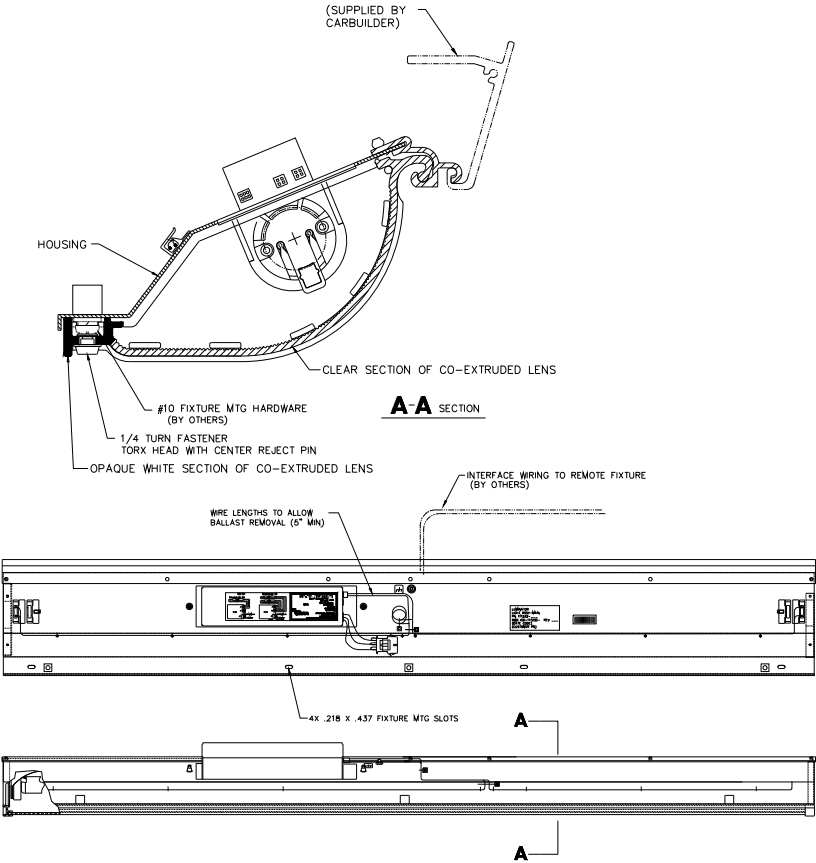
**Light Assembly– Main,
Fluorescent
ICD– 111232**



Light Assembly— Main, Fluorescent

ICD-111232

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
-001	Light Assembly w/ ballast	7.0 lbs.	51.00"
-002	Light Assembly w/o ballast	6.0 lbs.	51.00"
-004	Light Assembly w/ballast	3.6 lbs.	29.76"



PART NUMBERS				
PART NUMBER	LAMP/S	QTY	NOM. HOUSING LENGTH	WEIGHT-MAX.
111232-001	1	F321B	4 FT.	7.0 LBS MAX
111232-002	1	F321B	4 FT.	6.0 LBS MAX
111232-004	1	F177B	2 FT.	3.6 LBS MAX

CUSTOM FEATURES

Lens— Extruded
Prismatic Polycarbonate

Housing—Aluminum

Luminator Loc Socket
Lamp Holder

Closing Fastener—
Stainless Steel

Available in LED version

Mounting Hardware
supplied by others



Light and Air Duct
Assembly
ICD- 107836, 107835,
107868



Light and Air Duct Assembly

ICD-107836, 107835, 107868

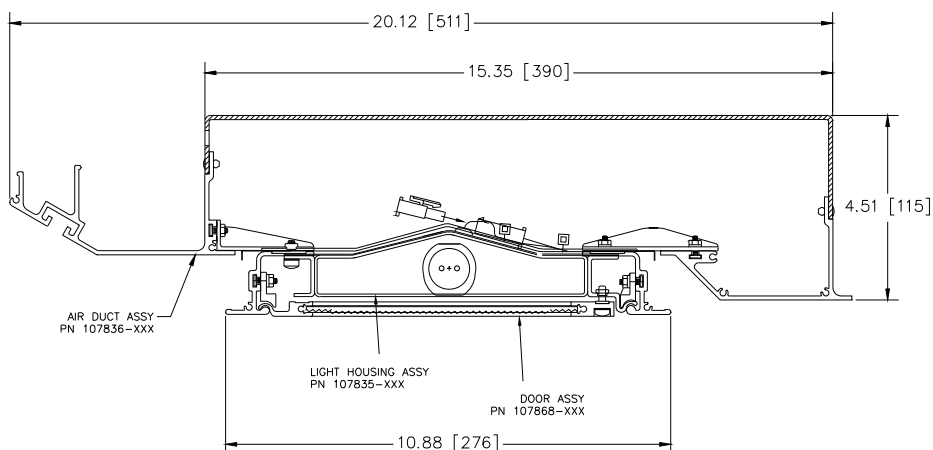
DASH NUMBER	DESCRIPTION	FUNCTION	FINISH
107836	Air Duct	Flow of air	Anodized
107835	Housing	Light that sits within the air duct	Anodized
107868	Door Assembly	Door for Light Housing	Anodized

CUSTOM FEATURES

Voltage—28 Vdc for Housing

Multiple configurations are provided by Air Duct, Housing and Door Assembly

T12 Lamp and T8 Lamp configuration available





Airflo Light Fixture
ICD- 110052



Airflo Light Fixture

ICD-110052

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
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-001	Housing w/ DC ballast (2 lamp)	8.00 lbs.	49.12"
-003	Housing w/o ballast	6.50 lbs.	49.12"
-005	Housing w/ DC ballast (1 lamp)	8.00 lbs.	49.12"

CUSTOM FEATURES

Housing and Door—
Extruded Aluminum

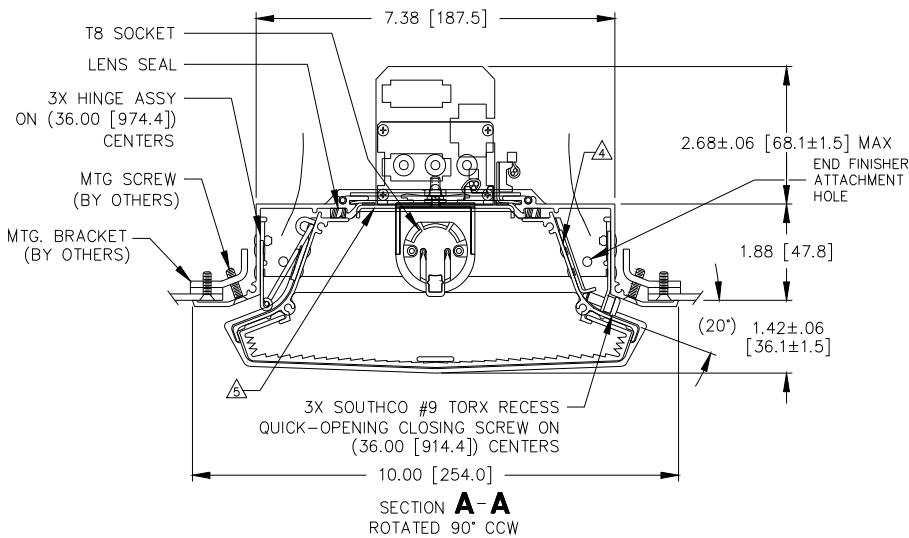
Lens—Extruded
polycarbonate

Lamp Type—F32T8
(supplied by others)

Ballast plate is hinged for
access to ballast

Closing hardware =
- Southco #9 torx
recessed

Mounting Hardware
provided by others



SECTION A-A
ROTATED 90° CCW
FIXTURE TABULATION

PART NO.	DESCRIPTION	LENGTH	BALLAST PT. NO.	ESTIMATED WT.
110052-001	HSG. ASSY W/DC BALLAST 37.5 VOLT (2) LAMP	49.12 [1247.6]	110083-001	8.00
110052-003	HSG. ASSY W/O BALLAST	49.12 [1247.6]	NONE	6.50
110052-005	HSG. ASSY W/DC BALLAST 37.5 VOLT (1) LAMP	49.12 [1247.6]	110083-003	8.00
110226-001	COVER ASSEMBLY	49.00 [1244.6]	NONE	6.14



Airflo Light Fixture
ICD- 108285



Airflo Light Fixture

ICD-108285

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
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-001	Housing w/o ballast LH	6.88 lbs.	49.12"
-002	Housing w/o ballast RH	6.88 lbs.	49.12"
-003	Cover Assembly	6.14 lbs.	49.00"
-004	Housing w/ AC Ballast	9.75 lbs.	49.12"
-005	Housing w/ AC Ballast	9.75 lbs.	49.12"
-007	Housing w/ DC Ballast	8.40 lbs.	49.12"

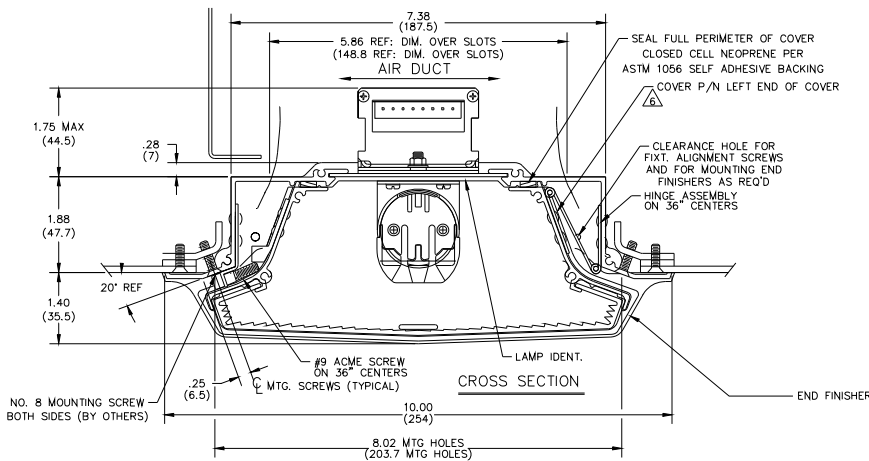
CUSTOM FEATURES

Lens—Clear
Polycarbonate

Housing—extruded
aluminum

Finish— satin brushed
and clear anodized

Mounting Hardware
provided by others



PART NO.	DESCRIPTION	LENGTH	BALLAST PT. NO.	WEIGHT
108285-001	HSG. ASSY W/O BALLAST LH.	49.12 (1242.65)	NONE	6.68
108285-002	HSG. ASSY W/O BALLAST RH.	49.12 (1242.65)	NONE	6.68
108285-003	COVER ASSEMBLY	49.00 (1244.6)	NONE	6.14
108285-005	HSG. ASSY WITH AC BALLAST 208 VOLT	49.12 (1242.65)	0108735-001	9.76
108285-007	HSG. ASSY WITH DC BALLAST 37.5 VOLT	49.12 (1242.65)	0108203-001	8.40



Airflo Light Fixture
ICD- 109390



Airflo Light Fixture

ICD-109390

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
-001	Light Assy w/o ballast	7.40 lbs.	49.12"
-002	Light Assy w/ DC ballast	9.60 lbs.	49.12"
-003	Light Assy w/ DC ballast	9.60 lbs.	49.12"
-004	Light Assy w/DC ballast	9.60 lbs.	49.12"
-005	Light Assy w/DC ballast	9.60 lbs.	49.12"
-006	Light Assy w/o ballast	7.40 lbs.	49.12"
-007	Light Assy w/DC ballast	9.60 lbs.	49.12"

CUSTOM FEATURES

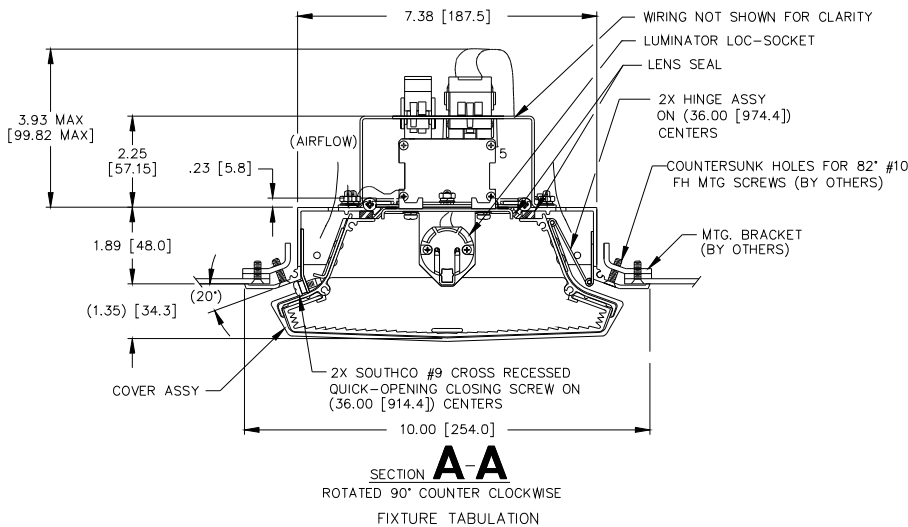
Lens—Clear
Polycarbonate

Housing—extruded
aluminum

Finish— satin brushed
and clear anodized

Mounting Hardware
provided by others

Cover Assembly is
109389-001



MATR.BCF	PART NO.	DESCRIPTION	BALLAST PT. NO.	WEIGHT
4.95.809	109389-001	COVER ASSY, AIRFLO	NONE	6.14
4.95.808	109390-001	LIGHT ASSY, AIRFLO W/O BALLAST.	NONE	7.40
4.95.802	109390-002	LIGHT ASSY, AIRFLO WITH DC BALLAST	109576-001	9.60
4.95.803	109390-003	LIGHT ASSY, AIRFLO WITH DC BALLAST	109576-001	9.60
4.95.804	109390-004	LIGHT ASSY, AIRFLO WITH DC BALLAST	109576-001	9.60
4.95.805	109390-005	LIGHT ASSY, AIRFLO WITH DC BALLAST	109576-001	9.60
4.95.806	109390-006	LIGHT ASSY, AIRFLO W/O BALLAST.	NONE	7.40
4.95.807	109390-007	LIGHT ASSY, AIRFLO WITH DC BALLAST	109576-001	9.60


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Airflo Light Fixture
ICD- 109521



Airflo Light Fixture

ICD-109521

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
-001	Light Assy	7.40 lbs.	49.12"
-003	Cover Assy	6.14 lbs.	48.97"

CUSTOM FEATURES

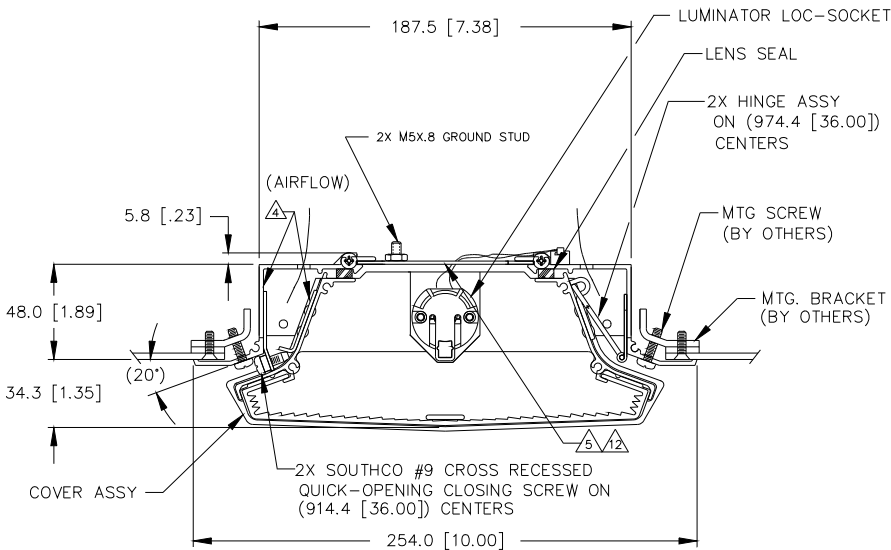
Lens—Clear
Polycarbonate

Housing—extruded
aluminum

Finish— satin brushed
and clear anodized

Mounting Hardware
provided by others

Southco #9 Cross
Recessed Closing
Screws



FIXTURE TABULATION

PART NO.	DESCRIPTION	BALLAST PT. NO.	WEIGHT
109521-001	LIGHT ASSY, AIRFLO	NONE	7.40
109521-003	COVER ASSY, AIRFLO	NONE	6.14



Housing Assembly Light and Air Diffuser
ICD- 110819

Housing Assembly Light and Air Diffuser

ICD-110819

DASH NUMBER	DESCRIPTION	LENGTH
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-001	Housing w/o ballast	36.82"
-003	Housing w/ ballast	36.82"
-005	Housing w/ ballast	27.25"
-007	Housing w/ ballast	73.62"
-008	Housing w/o ballast	73.62"
-009	Housing w/ ballast	99.24"

CUSTOM FEATURES

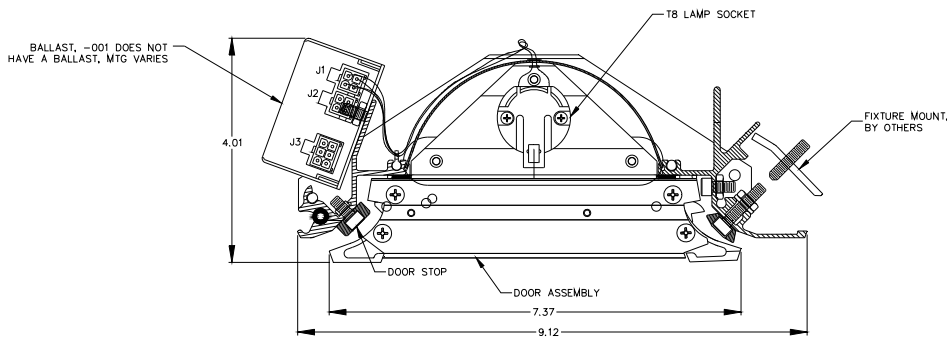
Rail—Extruded
Aluminum 6063

Lens—Lexan 153
Polycarbonate

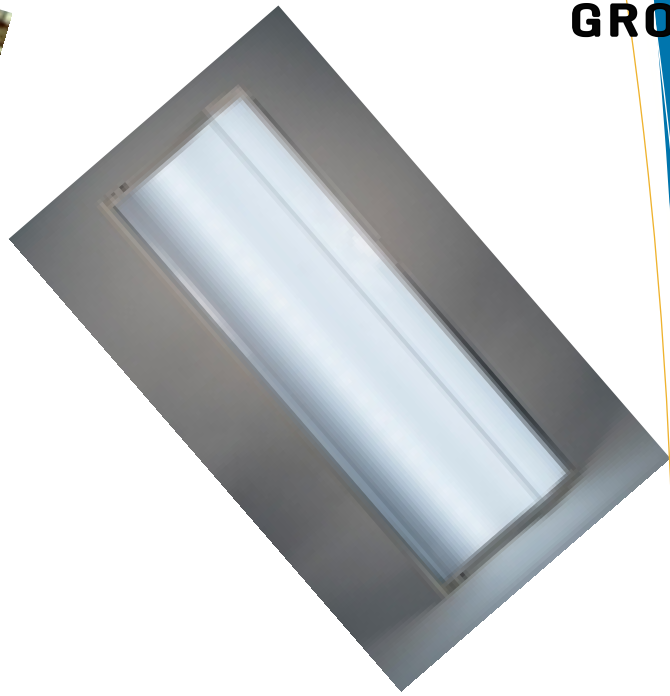
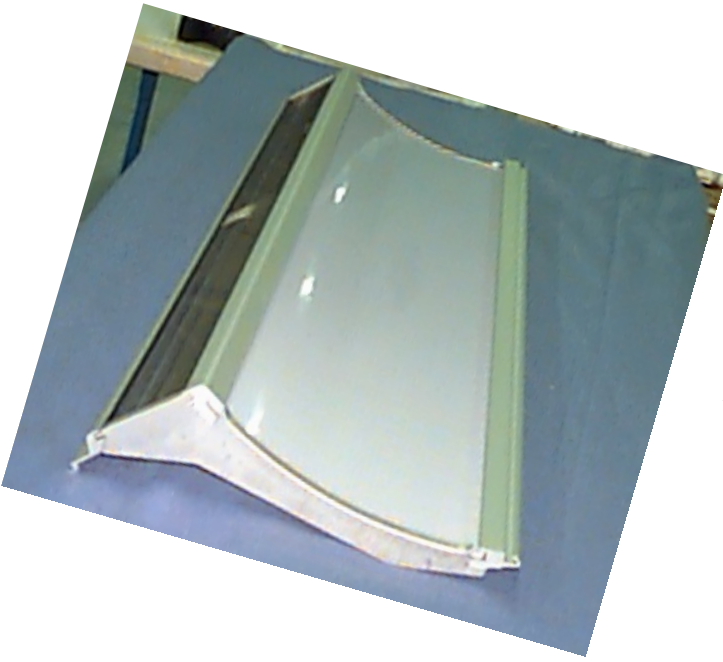
Housing—Aluminum

Mounting Hardware
provided by others

Operating Voltage—
37.5 VDC



PART NUMBER	HSG. NUMBER	DOOR NUMBER
110819-001	110827-001	104046-001
110819-003	110827-003	104046-001
110819-005	110827-005	104046-001
110819-007	110827-007	104046-001
110819-008	110827-008	104046-001
110819-009	110827-009	104046-003



Car Card Fixture
ICD-108377



Car Card Fixture

ICD-108377

DASH NUMBER	DESCRIPTION	WEIGHT	LENGTH
-001	Car Card w/ ballast	10.35 lbs.	71.12"
-003	Car Card w/o ballast	8.75 lbs.	71.12"

CUSTOM FEATURES

Lamp Type—F72 T12
Fluorescent or
LED Assembly

Aluminum Housing

Translucent
Polycarbonate Lens

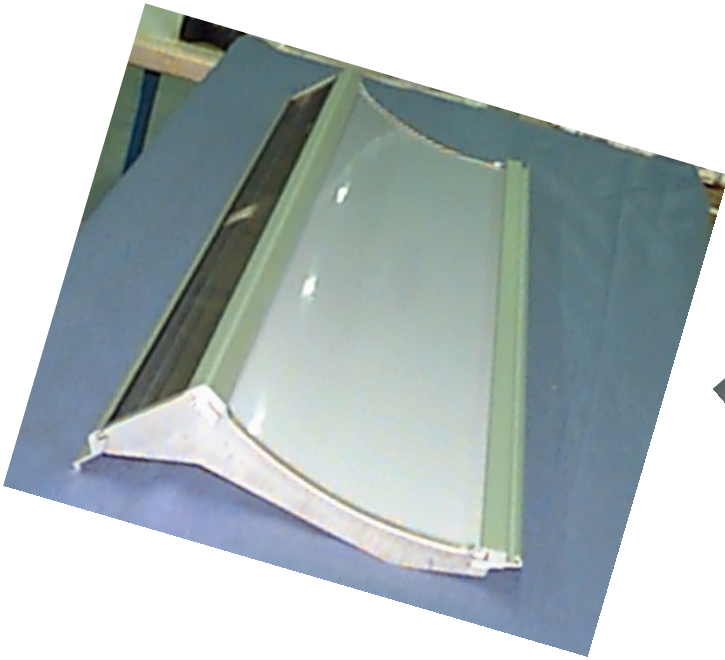
Mounting and Lens
Rails—6063 Aluminum
Extrusion

Mounting hardware
Provided by others




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**Light Assembly–
Main, Fluorescent
ICD– 110146**



Light Assembly— Main, Fluorescent

ICD-110146

DASH NUMBER	DESCRIPTION	WEIGHT	LAMP TYPE (supplied by others)
-001	Fixture Assy w/2 lamp ballast	13 lbs.	F32T8
-003	Fixture Assy w/o ballast	11.4 lbs.	F32T8
-005	Fixture Assy w/2 lamp ballast	11 lbs.	F25T8
-007	Filler Assy	4 lbs.	No lamp

CUSTOM FEATURES

Housing—Aluminum

Lens—Extruded
Prismatic Polycarbonate

Lens End Cap—Injected
Molded polycarbonate

Mounting Hardware
provided by others





Cab Light
ICD- 109540

Cab Light

ICD-109540

DASH NUMBER	COLOR	WEIGHT	VOLTAGE
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-001

Bezel—Black
Housing— Black

.25 lbs.

40 Volts

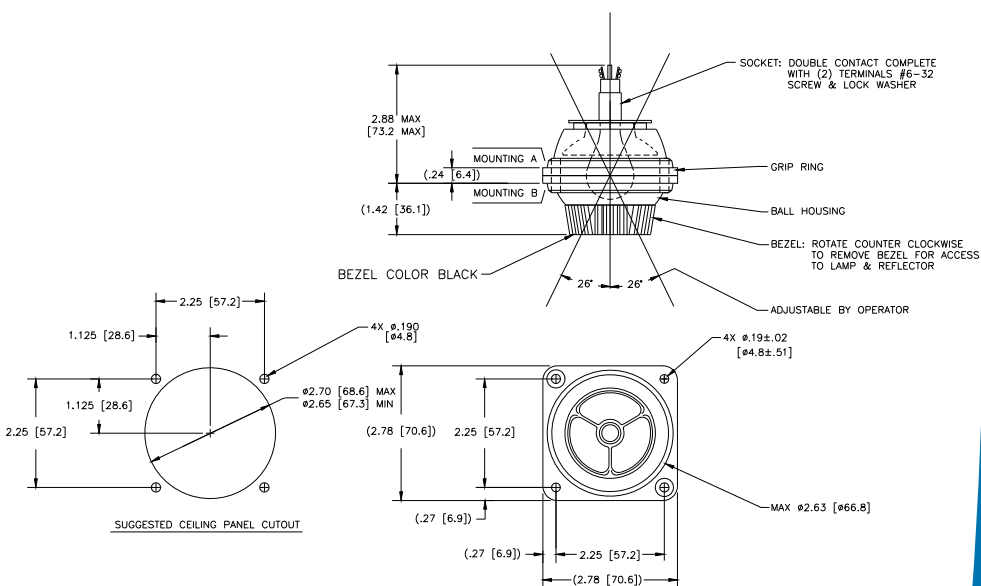
CUSTOM FEATURES

Housing—Radel R-5000
Material

Adjustable: operator
Adjustable 25 degrees
from normal

Airflow through fixture to
reduce operating
temperature

Lamp— No. 895





Reading Light Panel Assembly
ICD- 109686


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Adjustable Cab Light
ICD- 110116

Adjustable Cab Light

ICD-110116

DASH NUMBER	COLOR	WEIGHT	VOLTAGE
-001	Black— Housing Vermillion— Bezel	.20 lbs.	40 volts

CUSTOM FEATURES

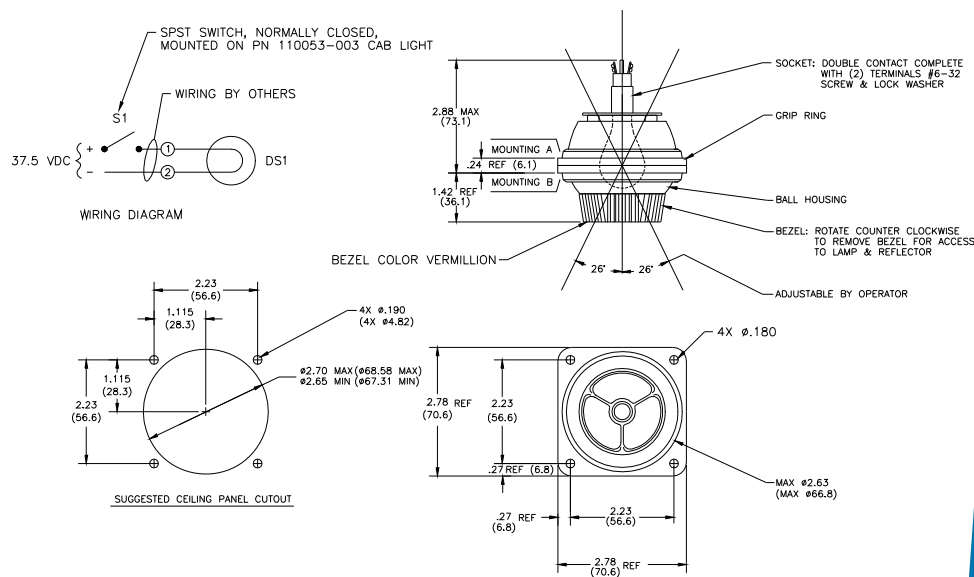
Ultem 1010 Bezel

Adjustable 26 degrees
from normal

Anti-rotation built into to
Prevent twisting wires

Double Contact socket

Recommended Lamp—
No. 895 (supplied by
others)



PART NO. 110116-001, REMOVABLE REFLECTOR



Reading Light
ICD- 110128

Reading Light

ICD-110128

DASH NUMBER	COLOR	WEIGHT	VOLTAGE
-001	Housing—Black Lens—N/A	.25 lbs.	28 Vdc
-003	Housing-Black Lens— Red	.25 lbs	28 Vdc
-005	Housing— Black Lens— N/A	.45 lbs	28 Vdc

CUSTOM FEATURES

Finish— Black

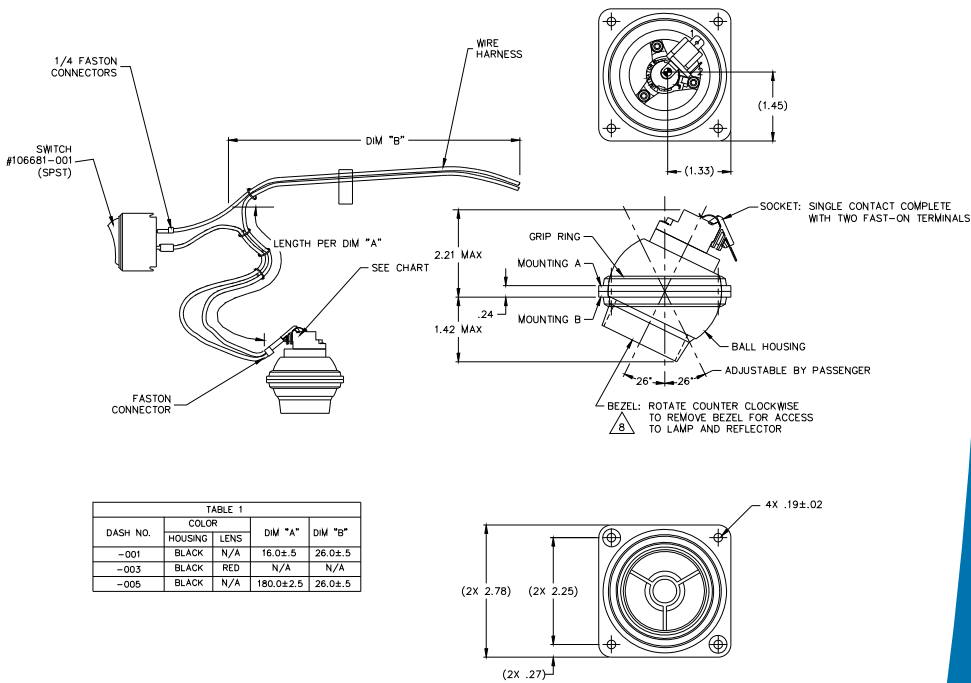
Housing and Bezel-
Radel

Adjustable—passenger
Adjustment 25 degrees

Anti-rotation is built in to
prevent twisting wires

Mounting Hardware
supplied by others

Lamp Type - 2232 Clear





Area Light
ICD- 110100

Area Light Assembly

ICD-110100

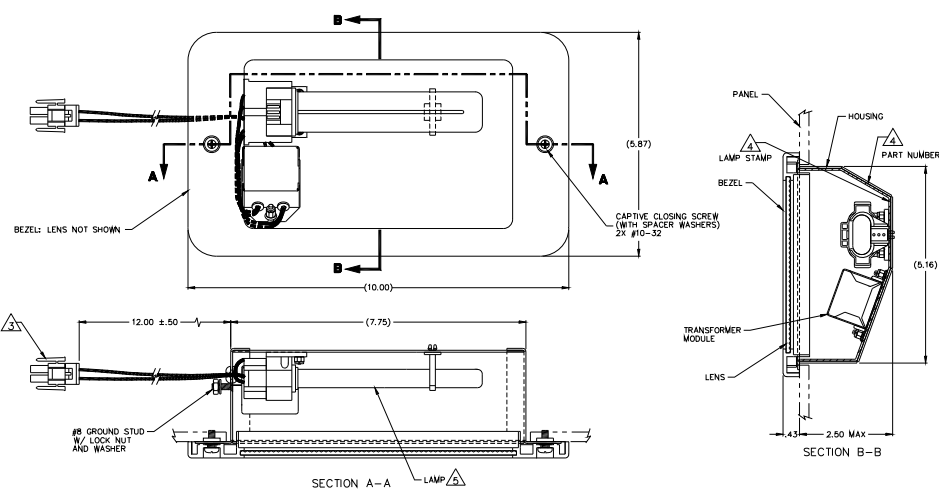
DASH NUMBER	LAMP	WEIGHT	Operating Voltage
-001	Deluxe S/E 9W or equivalent	3.0 lbs.	72 VDC

CUSTOM FEATURES

Bezel – injected molded
Lens– formed prismatic polycarbonate clear

Amp Plug Contacts

Requires ballast
mounted remotely





Floor Light
ICD- 110101

Floor Light Assembly

ICD-1110101

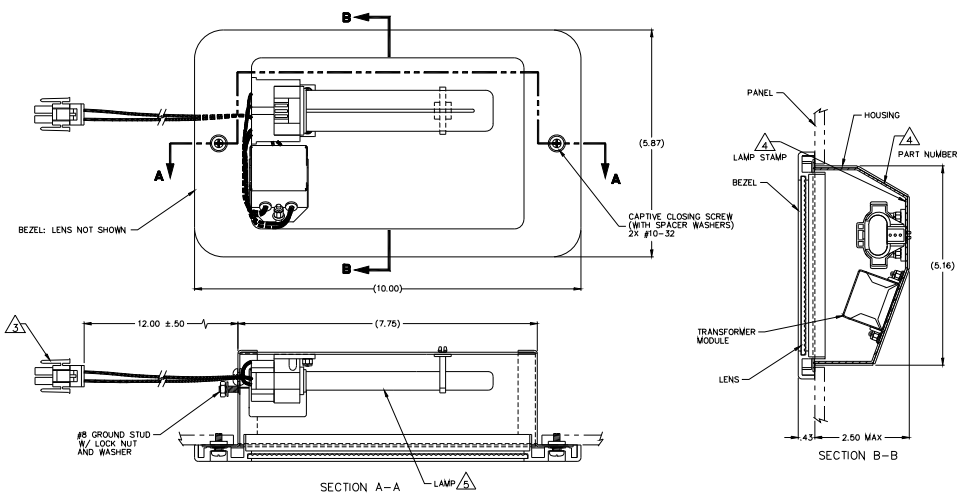
DASH NUMBER	LAMP	WEIGHT	Operating Voltage
-001	Deluxe S/E 9W or equivalent	.9 lbs.	72 VDC

CUSTOM FEATURES

Bezel – injected molded
Lens– formed prismatic polycarbonate clear

Amp Plug Contacts

Requires ballast
mounted remotely





Platform Light
ICD- 110342

Platform Light

ICD-110342

DASH NUMBER	LAMP	WEIGHT	LIGHT DIRECTION
-001	CFT7W/2G7/827	2.18 lbs.	Light directed To Left
-002	CFT7W/2G7/827	2.18 lbs.	Light directed To Right

CUSTOM FEATURES

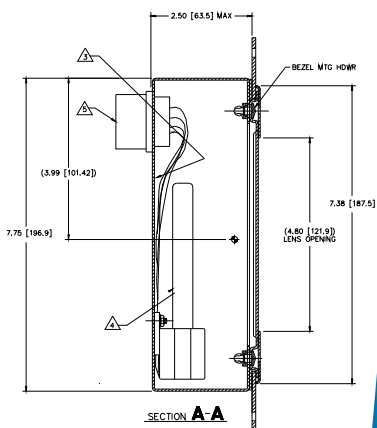
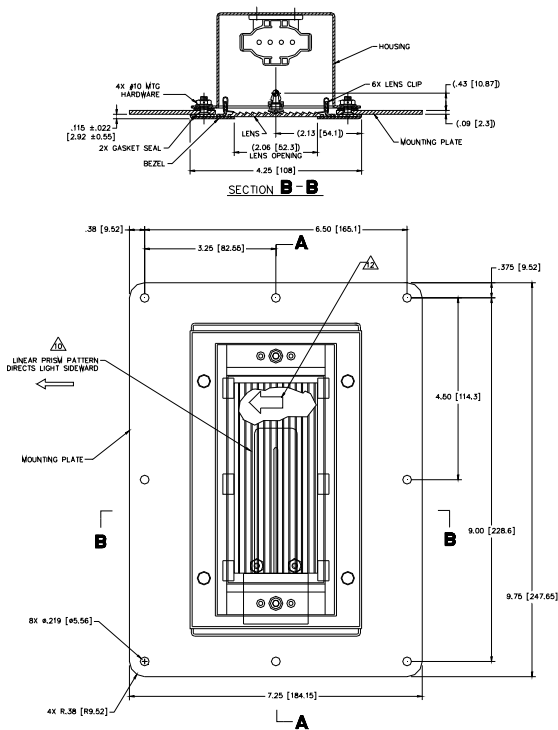
Housing—.050 formed Aluminum

Lens- extruded prismatic polycarbonate clear

Bezel hardware—hex socket head 1/4 turn fastener

Veam Connector Shell size 20

Requires ballast mounted remotely





Stairwell Light
ICD- 111373

Stairwell Light- LED

ICD-111373

DASH NUMBER	COLOR	WEIGHT	VOLTAGE
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-001

Matte Satin finish

.35 lbs.

37.5 Vdc

CUSTOM FEATURES

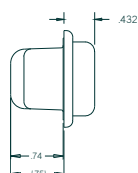
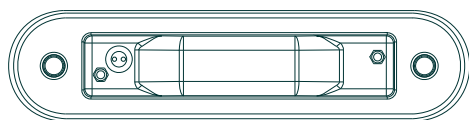
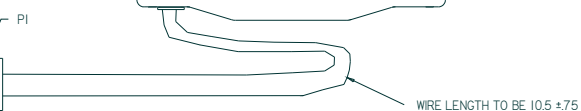
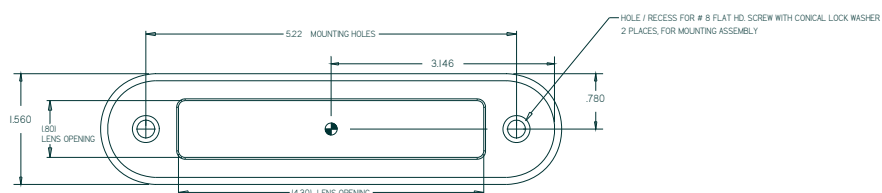
Housing—Aluminum
6061

Lens—Polycarbonate

Amp Mate n Loc II
Connectors

Mounting hardware
provided by others

Water Resistant





Passenger Alerting Light LED
ICD- 111356

Passenger Alerting Light LED

ICD-111356

DASH NUMBER	COLOR	WEIGHT	VOLTAGE
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-001

Matte Satin finish

.35 lbs.

37.5 Vdc

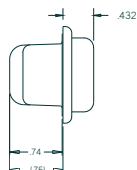
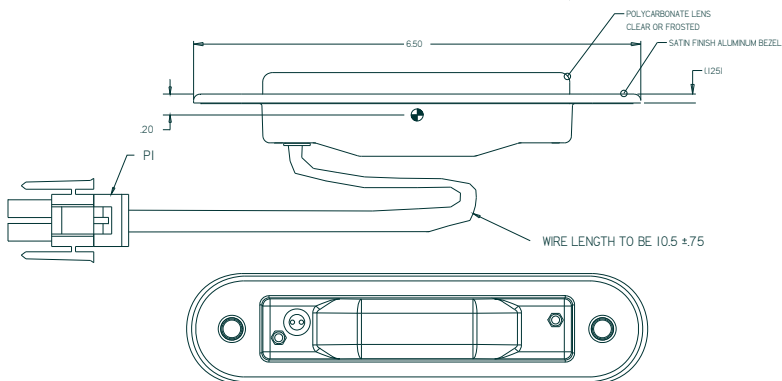
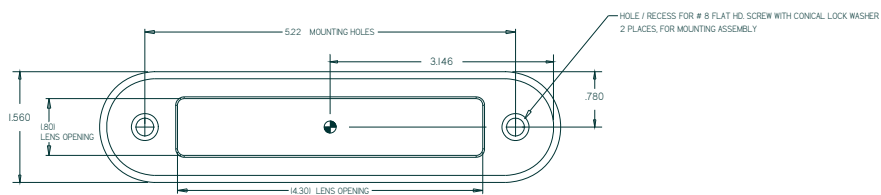
CUSTOM FEATURES

Housing—Aluminum
6061

Lens—Polycarbonate

Amp Mate n Loc II
Connectors

Mounting hardware
provided by others



Luminator



Headlight Assembly Cab Car
ICD- 107969

Headlight Assembly Cab Car

ICD-107969

DASH NUMBER	DESCRIPTION	WEIGHT	LAMP SIZE
-001	Double Headlight Assembly	Approx. 5 lbs.	PAR 56

CUSTOM FEATURES

Housing—24 gauge cold rolled steel

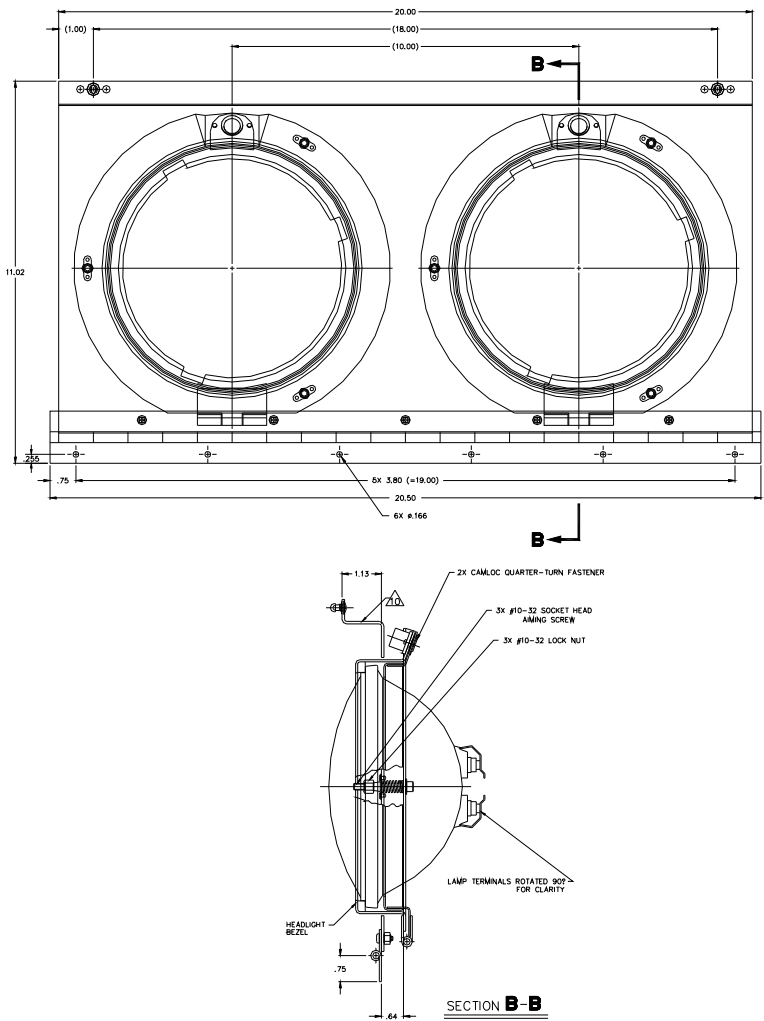
Bezel and Retaining Rings— 20 gauge stainless steel

Hardware—stainless steel

Closing Screw—Southco No. 82 series stud

Finish-bezels—satin brush
Housing—flat black

Mounting hardware provided by others




Luminator


EPI
GROUP



Headlight Assembly
ICD- 108287

Headlight Assembly

ICD-108287

DASH NUMBER	LAMP	WEIGHT	FINISH
-001	#6052 Type 2B supplied by others	6.42 lbs.	Satin Brush

CUSTOM FEATURES

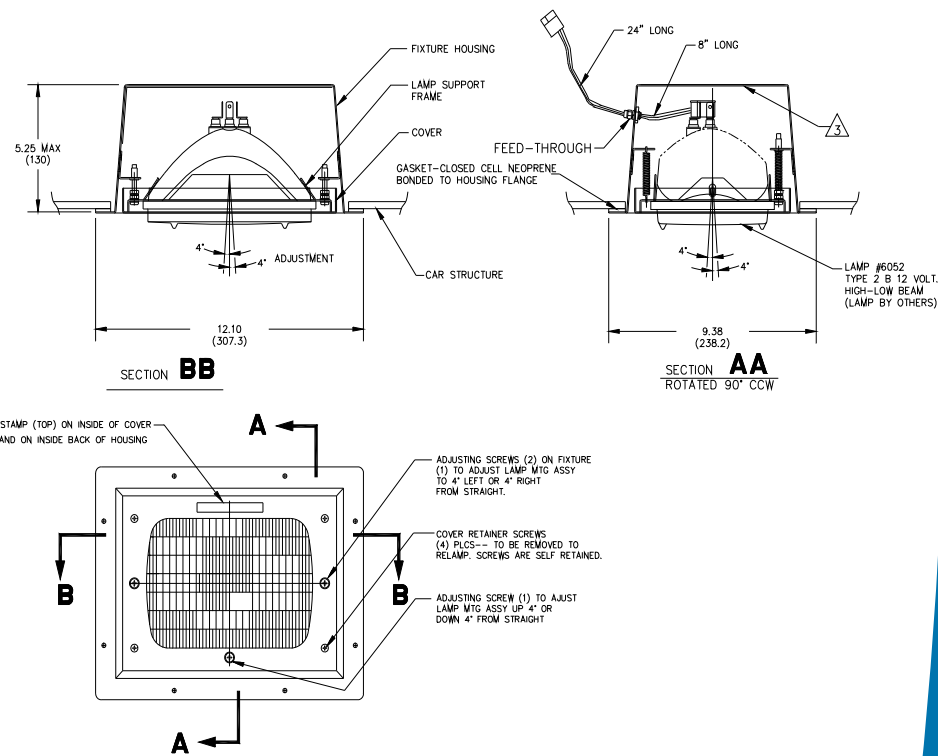
Stainless Steel Housing

Mating Connectors &
Pins furnished in kit

Molex Plug and
Receptacles

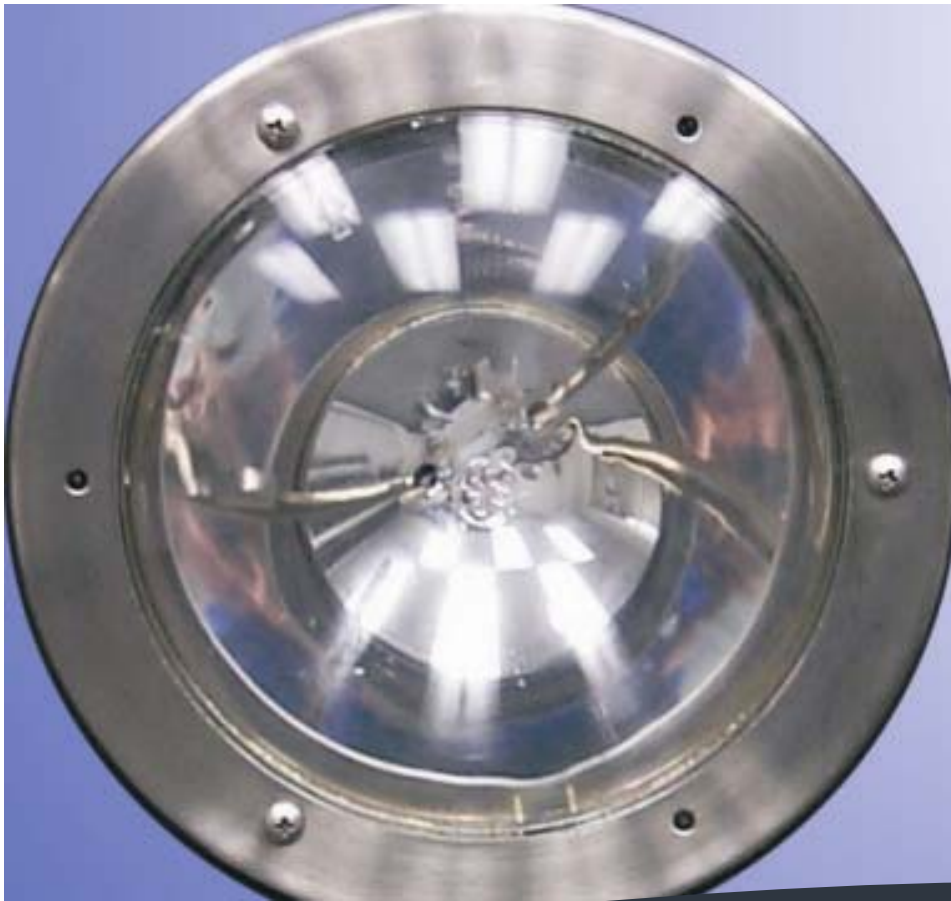
Voltage 12V

Adjustment Screws -
Left to Right and Top to
Bottom




Luminator


EPI
GROUP



Headlight Assembly Auxiliary
ICD- 108290

Headlight Assembly Auxiliary

ICD-108290

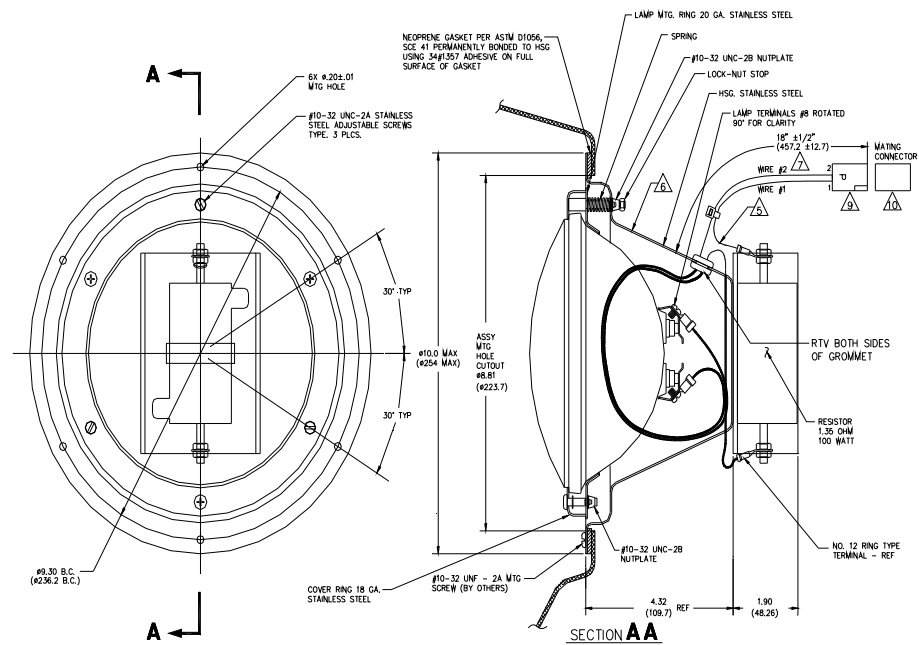
DASH NUMBER	FINISH	WEIGHT	LAMP TYPE
-001	Satin Buff	3.5 lbs.	Par 56

CUSTOM FEATURES

Stainless Steel Housing
and Bezel

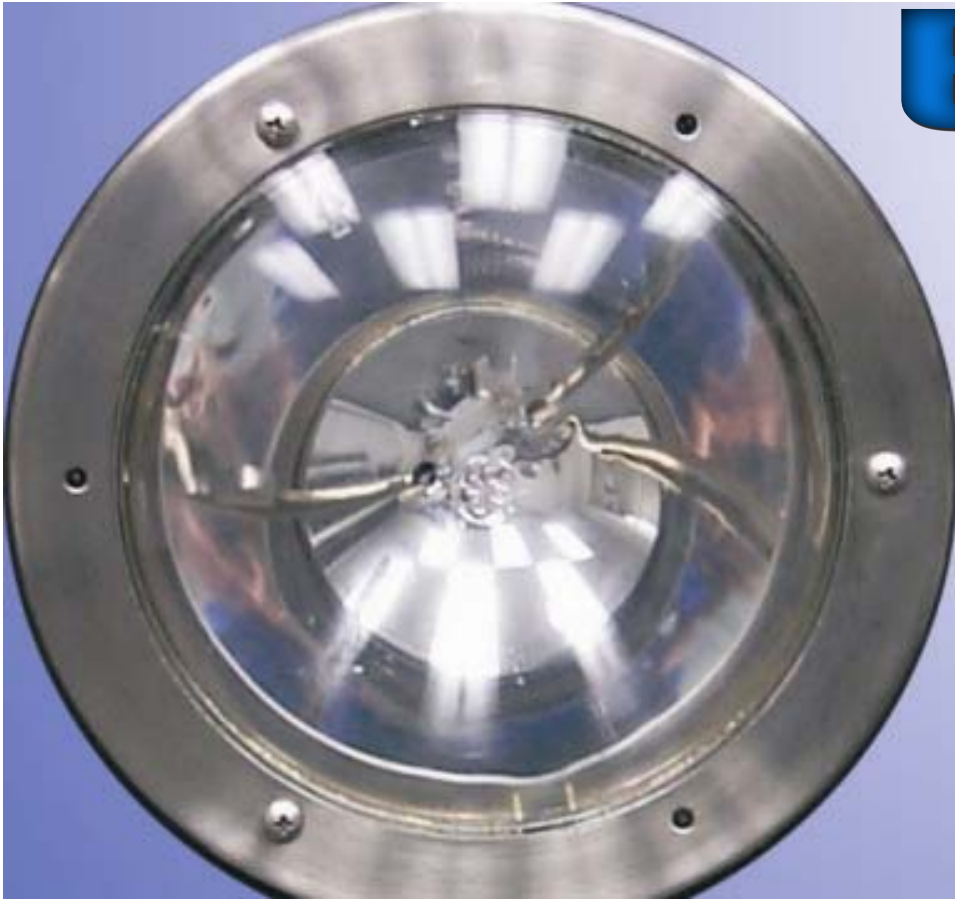
#10-32 UNC 2A
Stainless Steel
Adjustable Screws

Mounting Hardware
provided by others




Luminator


EPI
GROUP



Headlight Adjustable
ICD- 110040

Headlight Adjustable

ICD-110040

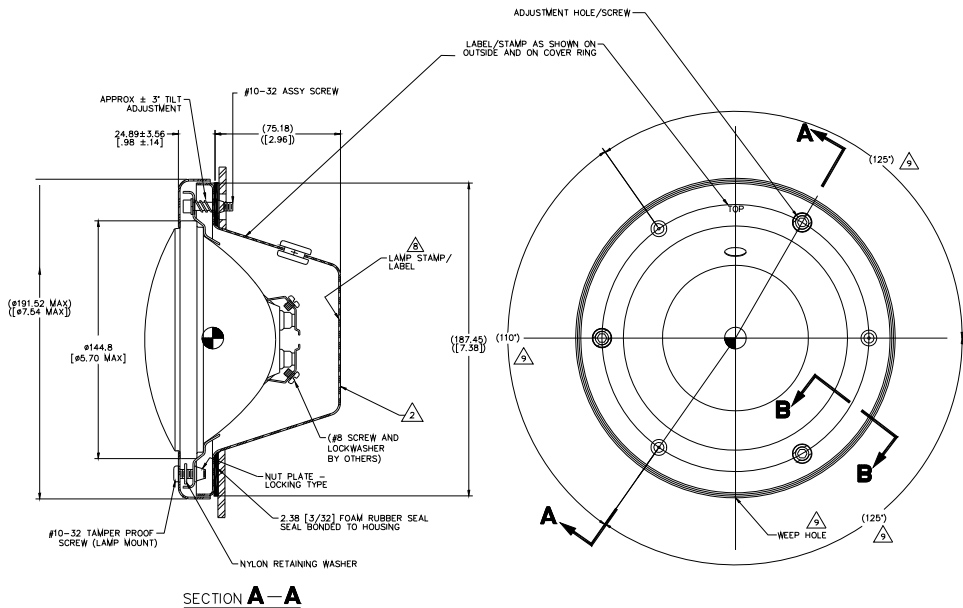
DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-001	60 Watt	2.4 lbs.	Concentric Buff

CUSTOM FEATURES

Stainless Steel Housing,
Bezel and Screws

Mounting Hardware
supplied by others

Adjustable +/-
3 degrees




Luminator


EPI
GROUP



Headlight
ICD- 110049

Headlight

ICD-110049

DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-------------	-----------	--------	--------

-001

350 Par 56
(supplied
by others)

2.5 lbs.

Passivated

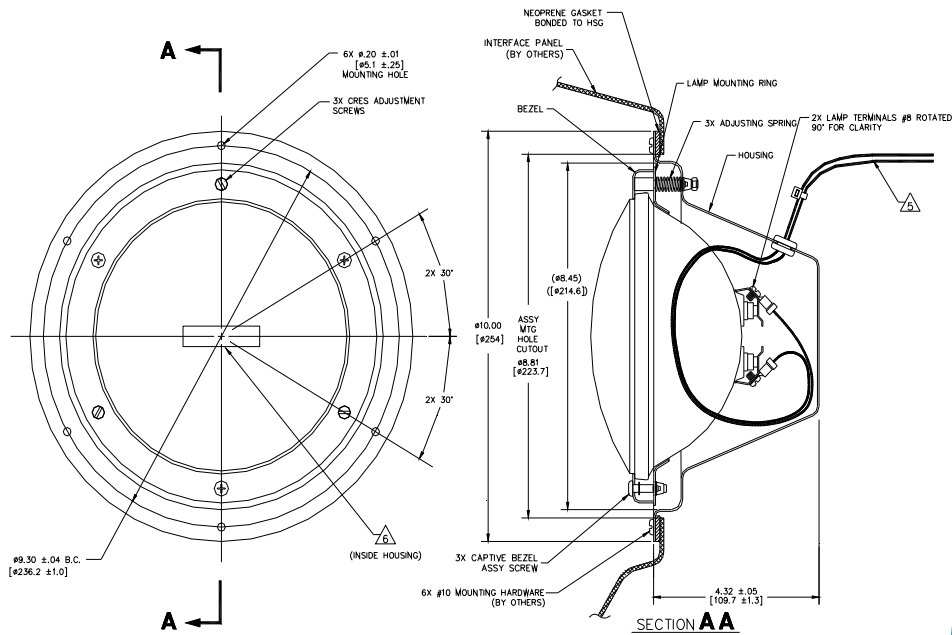
CUSTOM FEATURES

Stainless Steel Housing
and Bezel

Lamp Adjustment +/- 3
degrees

Mounting Hardware
supplied by others

#8 screw terminals




Luminator


EPI
GROUP



Headlight Assembly
ICD- 110055

Headlight Assembly

ICD-110055

DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-------------	-----------	--------	--------

-001

60 Watt 60
Par/I

2.25 lbs.

Satin Buff

CUSTOM FEATURES

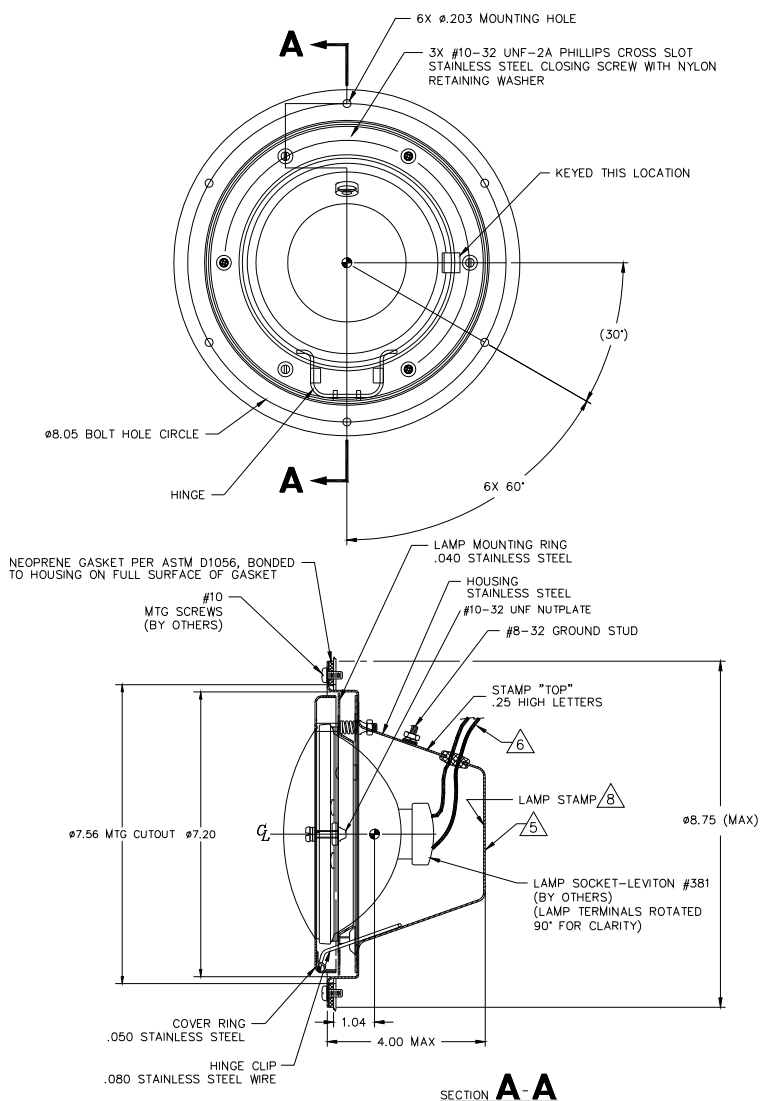
Housing—Stainless Steel

Bezel—Stainless Steel

Adjustable +/-
3 degrees

6" wire leads w/ Leviton
socket

Operating Voltage—
37.5 vdc





Headlight
ICD- 110144

Headlight

ICD-110144

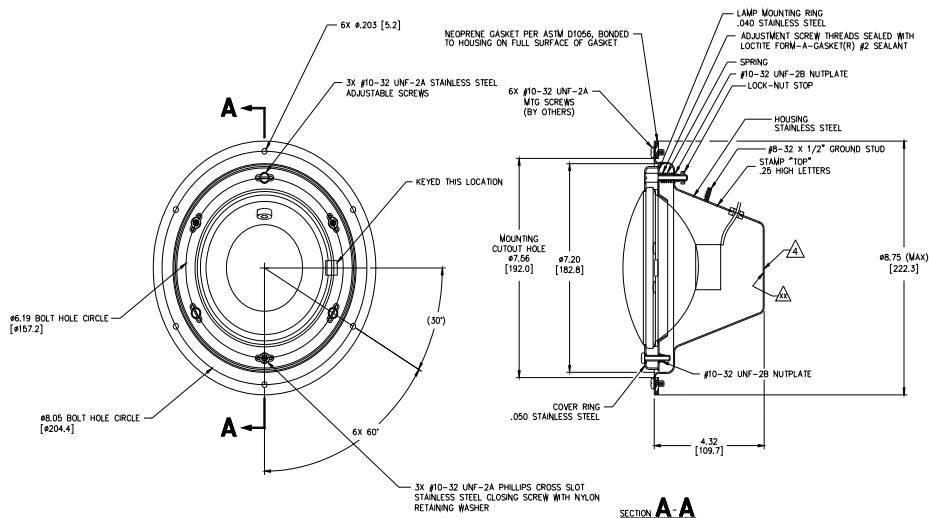
DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-001	60 PAR	2.0	Concentric Buff

CUSTOM FEATURES

Stainless Steel Housing
and Bezel

Lamp Adjustment +/- 3
degrees

Mounting Hardware
supplied by others

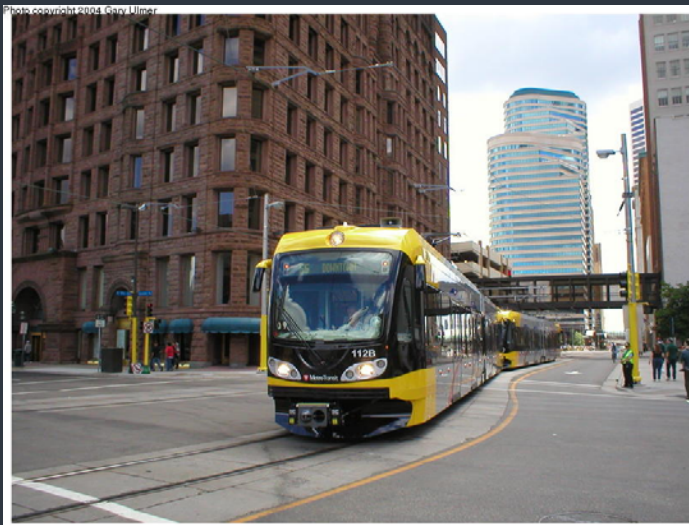



Luminator

EPI
GROUP



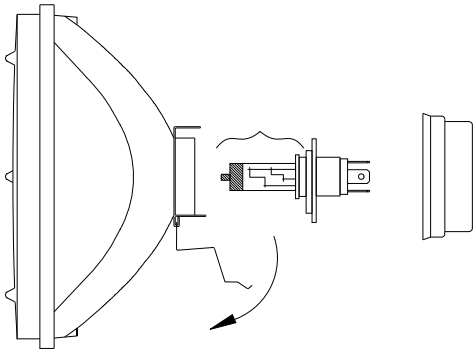
**Headlight Assembly,
H4 Lamp 200 mm
Rectangular
ICD- 110571**



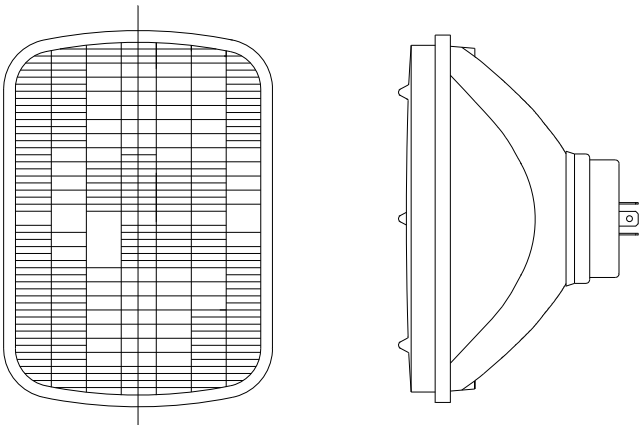
Headlight Assembly, 200 mm Rectangular

ICD-110571

DASH NUMBER	LAMP TYPE	DUST SEAL	WEIGHT
-001	Halogen H4	Supplied separately	5.75 lbs.—lamp weight



EXPLODED ASSEMBLY VIEW



CUSTOM FEATURES

Estimated Life—
150 hrs High Beam
600 hrs Low Beam

Switch for High/Low—
supplied by others

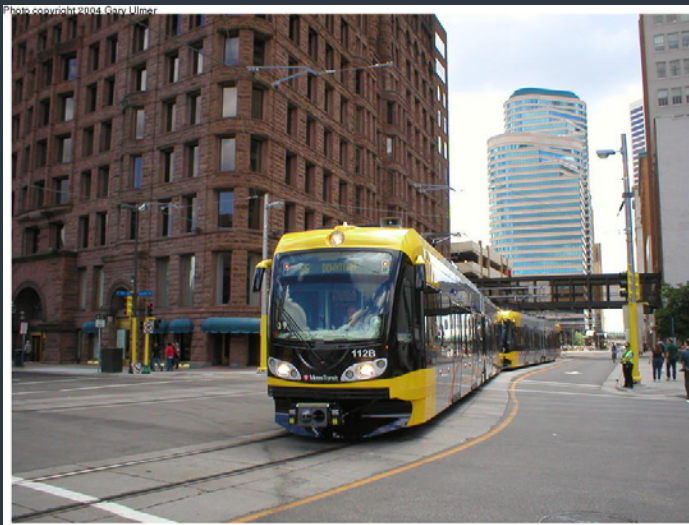
Operating Voltage—
24 volt


Luminator

EPI
GROUP



**Headlight Assembly,
200 mm Rectangular
ICD- 110731**



Headlight Assembly, 200 mm Rectangular

ICD-110731

DASH NUMBER	LAMP TYPE	FINISH	WEIGHT
-001	Halogen H4	Stain Brush	7.25 lbs. Assembly 5.75 lbs.—lamp weight

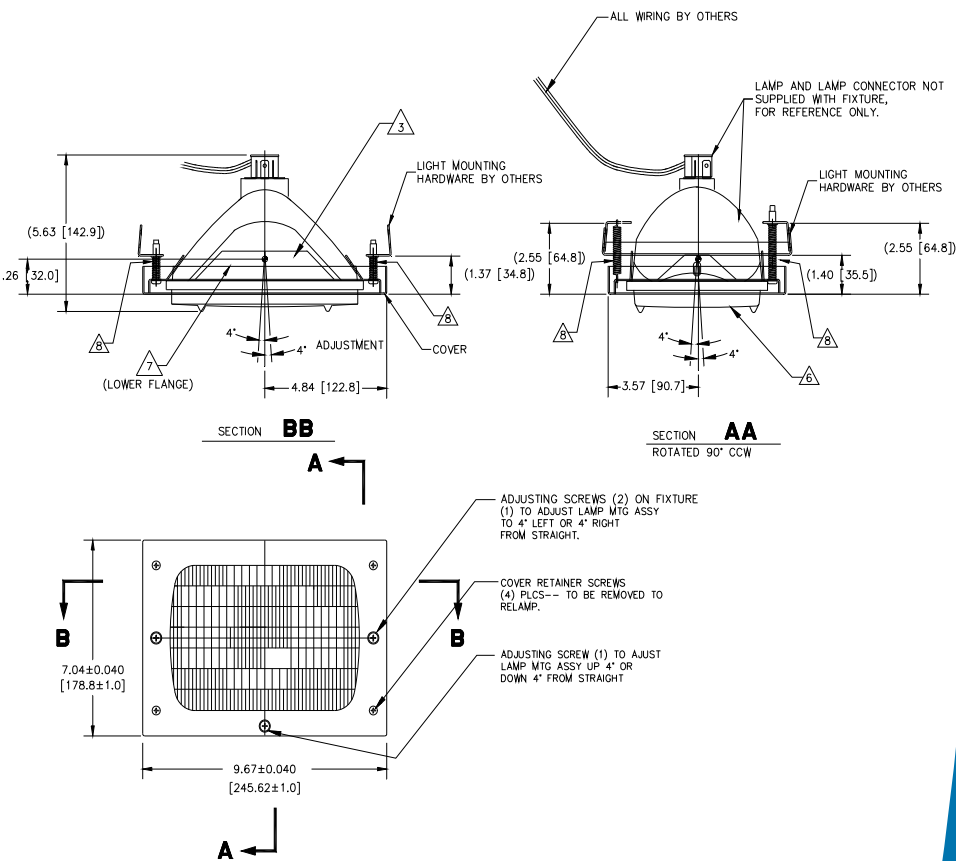
CUSTOM FEATURES

Stainless Steel—Black
Front and Back Cover

Estimated Life—
150 hrs High Beam
600 hrs Low Beam

Switch for High/Low—
supplied by others

Operating Voltage—
19 to 31 Vdc




Luminator


EPI
GROUP



Headlight CTA 5000 Series Car
ICD- 111354

Headlight CTA 5000 Series Car

ICD-111354

DASH NUMBER	MATERIAL	WEIGHT	LAMP TYPE
-001	Stainless Steel	2.3 lbs.	60 Par4 6

CUSTOM FEATURES

3000 Series Stainless Steel Housing, Bezels

Screws, Rivets, Hardware- Stainless Steel

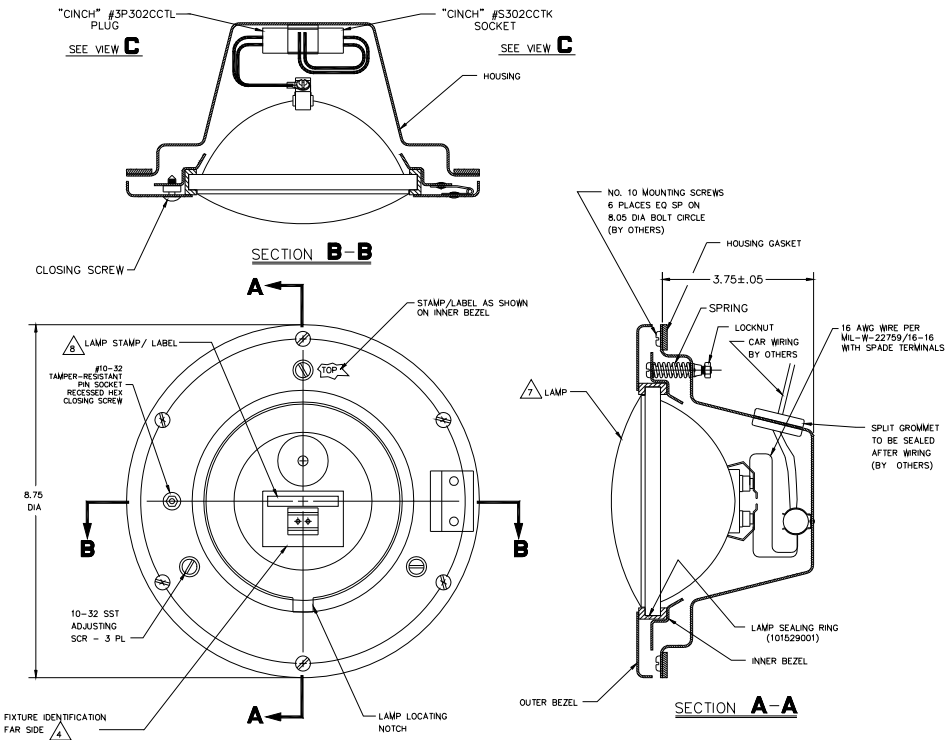
Finish-Satin Finish with Concentric Grain

No. 8 Screw Terminals

Adjustment 3 degrees

Lamp provided by others

Mounting Hardware provided by others



PART NO. 111354-001


Luminator


EPI
GROUP



Headlight
ICD- 111454

Headlight

ICD-110454

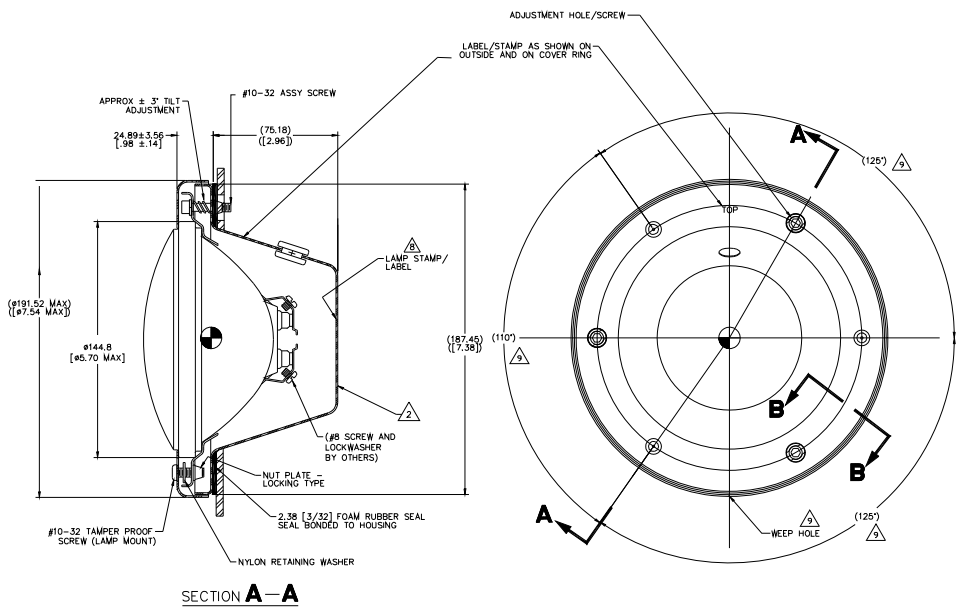
DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-001	60 Watt	2.4 lbs.	Concentric Buff
-002	150 Watt	1.7 lbs.	Passivated

CUSTOM FEATURES

Stainless Steel Housing,
Bezel and Screws

Mounting Hardware
supplied by others

Adjustable +/-
3 degrees





Indicator Light
ICD-103238

Indicator Light

ICD-103238

DASH NUMBER	LENS COLOR	WEIGHT	FINISH
-003	Blue/White/Blue	2.25 lbs.	No. 3 Finish
-005	Green/Yellow	1.5 lbs.	No. 3 Finish
-007	Red/Yellow/Blue	2.25 lbs.	No. 3 Finish
-009	Yellow/Blue	1.5 lbs.	No. 3 Finish
-011	Green/Red/Amber	2.25 lbs.	No. 3 Finish
-013	Red/White/Amber	2.25 lbs.	No. 3 Finish
-015	Blue/Red/White/Amber	3.0 lbs.	No. 3 Finish
-017	Amber	0.75 lbs.	No. 3 Finish
-019	Red/Blue	1.50 lbs.	No. 3 Finish
-021	Red	0.75 lbs.	No. 3 Finish
-023	Red/Green/Amber/Red	3.0 lbs.	No. 3 Finish
-025	Amber/Red	1.5 lbs.	No. 3 Finish
-027	Blue	0.75 lbs.	No. 3 Finish
-029	White	0.75 lbs.	No. 3 Finish
-031	Amber/Blue	1.50 lbs.	No. 3 Finish

CUSTOM FEATURES

Stainless Steel Cover

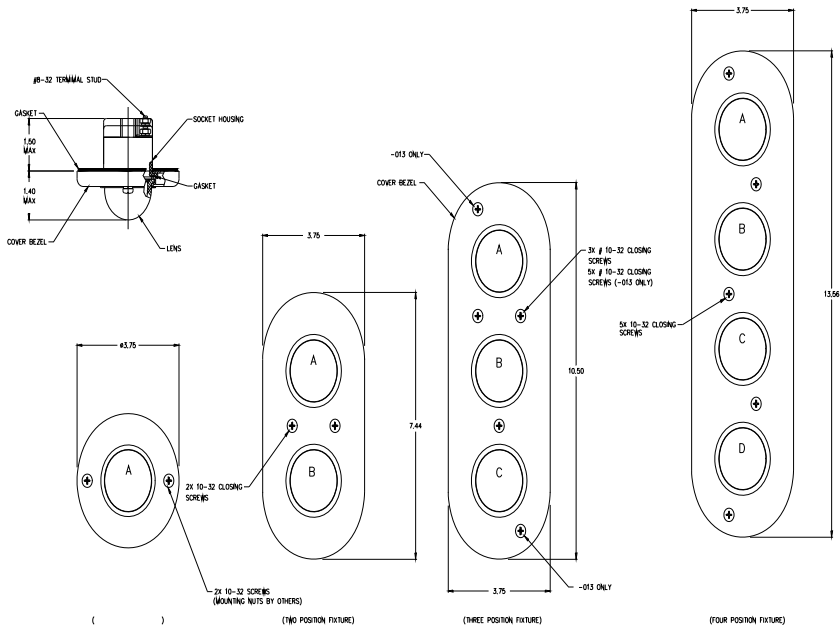
Heat Resistant
Glass Lens

Operating Voltage
37.5 Vdc

Uses LED Cluster or
CM895 lamp

Mounting hardware
Provided by others

#10-32 Closing
Hardware




Luminator


EPI
GROUP



Indicator Light
ICD-103851

INDICATOR LIGHT

ICD-10385 I

DASH NUMBER	LENS COLOR	LAMP	VOLTAGE
-001	Red, Blue Yellow		37.5 VDC
-003	Red, Yellow, Clear		37.5 VDC
-005	Red, Clear, Yellow		37.5 VDC
-501	Red, Blue, Yellow		37.5 VDC
-503	Red, Yellow, Clear		37.5 VDC
-505	Red, Clear, Yellow		37.5 VDC
-507	Red, Clear, Yellow		72 VDC

CUSTOM FEATURES

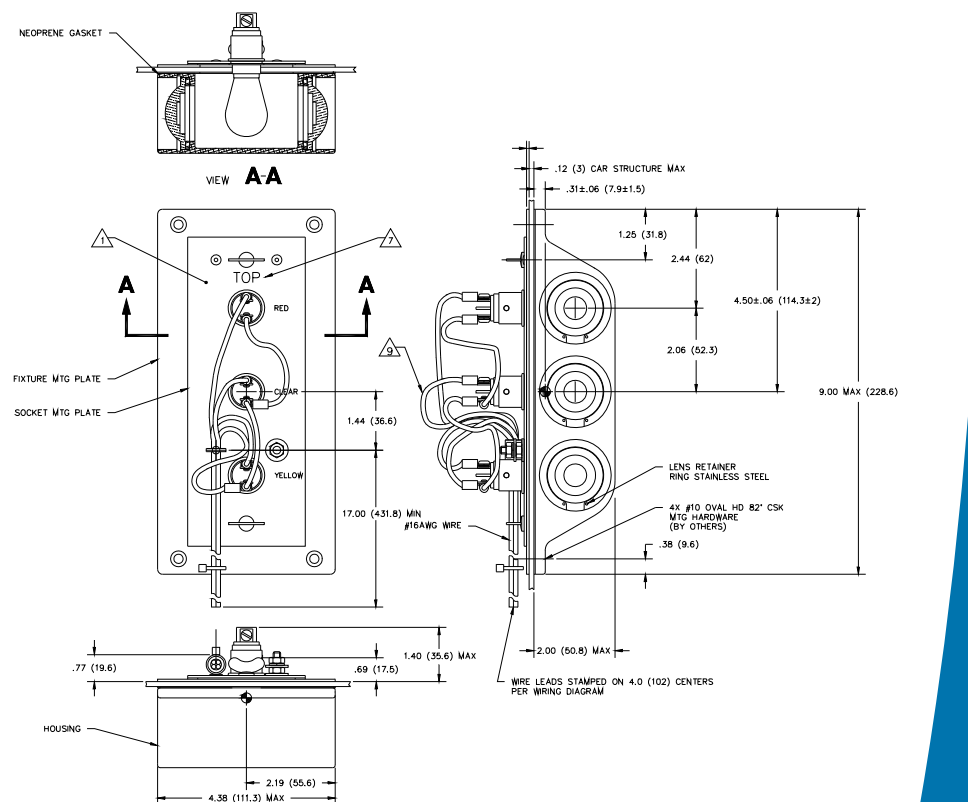
Aluminum Housing and
Stainless Steel Cover

Mounting Hardware
provided by others

LED average life
expectancy 50,000 hours

Each LED board assembly
can be replaced
individually

Operating Voltage:
37.5 VDC




Luminator


EPI
GROUP



Indicator Light Assembly
ICD- 108288

Indicator Light Assembly

ICD-108288

DASH NUMBER	DESCRIPTION	WEIGHT	LENS COLOR
-001	Brake Applied/Released	1.52	Green/Amber
-002	Exterior Status Light	1.52	Red/Amber
-003	Fault/Cut off Bypass	1.52	Clear/Blue

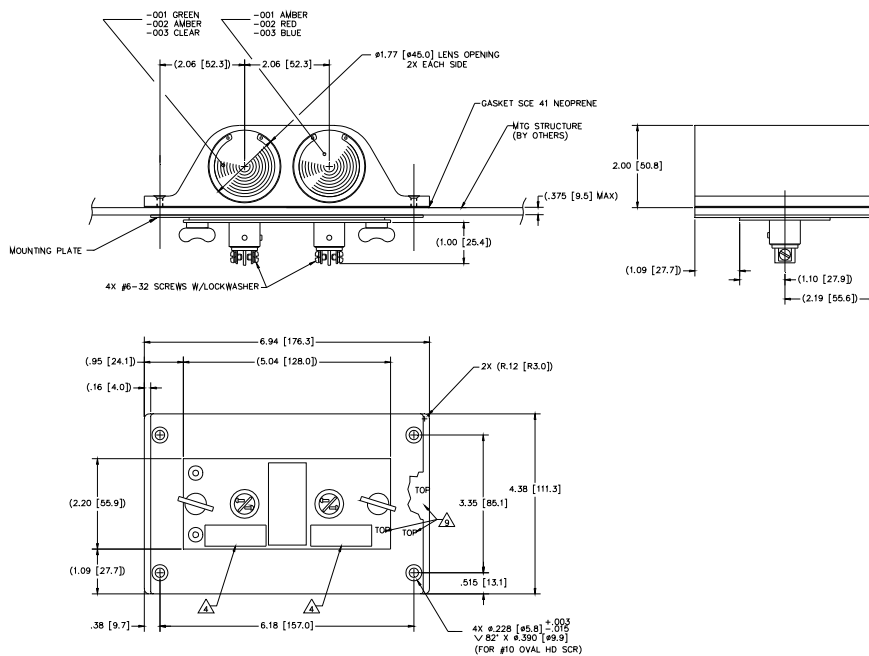
CUSTOM FEATURES

Material—Housing— Cast Aluminum

Finish— Bead Blast and Powder Coated Black

Lamp—#895 or LED Equivalent - #895 Lamp supplied by others

Mounting Hardware provided by others





Indicator Light
ICD-108292

Indicator Light

ICD-108292

DASH NUMBER	LAMP	WEIGHT	FILTER COLOR
-001	LED Cluster (supplied separately) or CM-895 Lamp	.52 lbs	Red

CUSTOM FEATURES

Extruded Aluminum

Lens– convex
condensing glass

#8-32 Phillips head
cross recessed stainless
steel screws for housing
and base plate

Contact bayonet base
with #6-32 terminals
screws

Relamp from inside



Indicator Light
ICD- 110058

Indicator Light

ICD-110058

DASH NUMBER	LAMP	WEIGHT	FINISH
-001	LED Cluster (supplied separately)	.75 lbs	Clear anodized

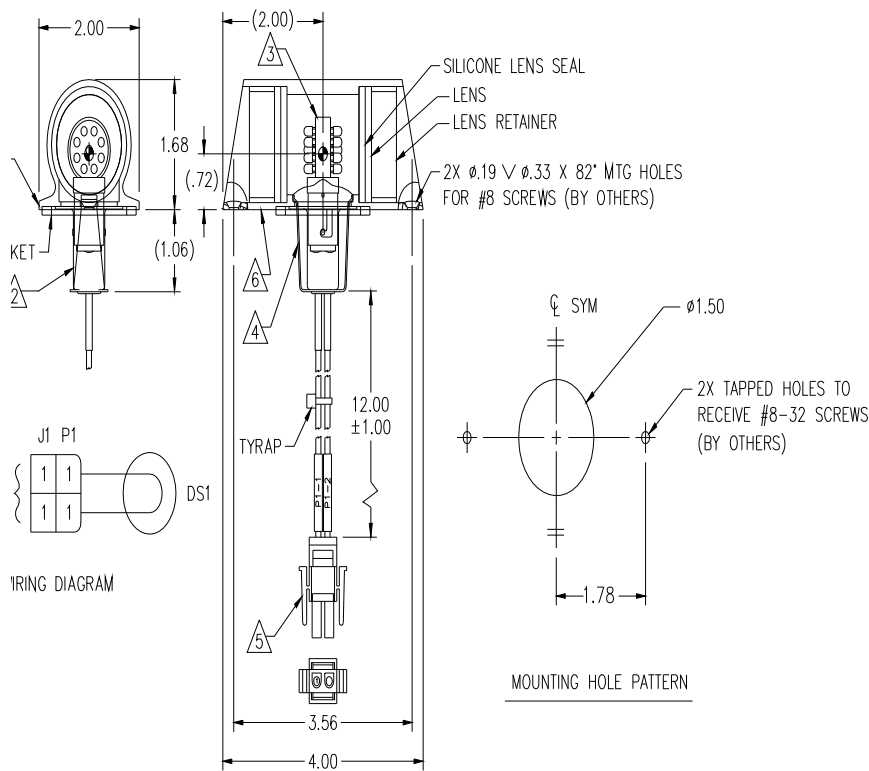
CUSTOM FEATURES

Extruded Aluminum

Lens- clear heat
resistant tempered glass

Amp Mate n Lok II
Connectors and pins

Contact bayonet base





Indicator Light
ICD- 110310

Indicator Light

ICD-110310

DASH NUMBER	LAMP (supplied separately)	WEIGHT	VOLTAGE RANGE
-001	Red LED Cluster	1.0 lbs	46– 90 Vdc
-003	Amber LED Cluster	1.0 lbs	46– 90 Vdc
-004	Green LED Cluster	1.0 lbs	46– 90 Vdc
-007	White LED Cluster	1.0 lbs	46– 90 Vdc
-009	Blue LED Cluster	1.0 lbs	46– 90 Vdc

CUSTOM FEATURES

Extruded Aluminum

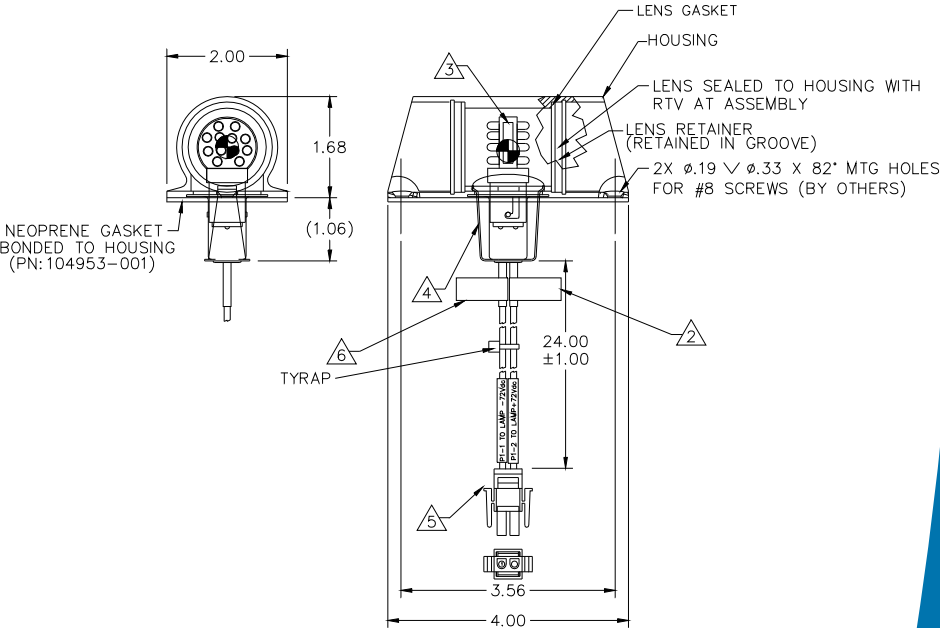
Lens– clear heat resistant tempered glass

Amp Mate n Lok II Connectors and pins

Contact bayonet base

Relamp from inside of car

Socket is keyed to prevent improper installation





Indicator Light Transversal
ICD- 110311

Indicator Light Transversal

ICD-110311

DASH NUMBER	LENS COLOR	WEIGHT	LMT LED MODULE
-005	Amber	1 lb.	110578-001
-007	Blue	1 lb.	110578-002
-001	Red	1 lb.	110578-003

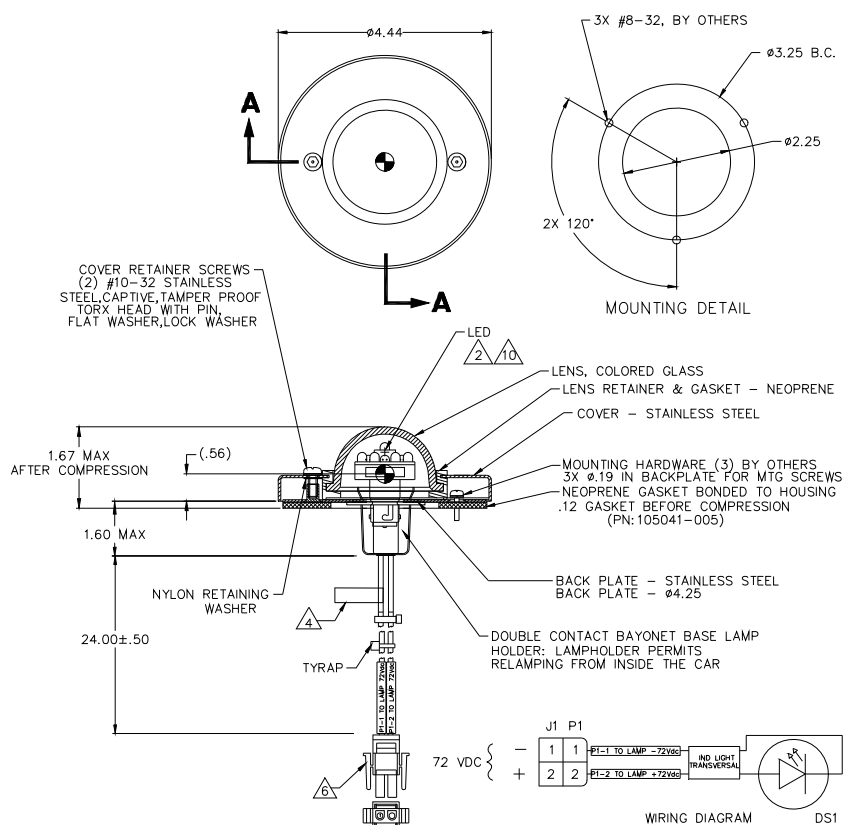
Material—Lens Cover
and Backplate—
Stainless Steel
Lens— Heat Resistant
tempered glass
Lamp Holder—Steel Zinc
plated

Finish– Lens Cover
concentrically satin buff

Mounting Hardware provided by others

LED Cluster

Operating Voltage 72 Vdc




Luminator


EPI
GROUP



LED Indicator Light, Amber
ICD- 110660

LED Indicator Light, Amber

ICD-110660

DASH NUMBER	LENS COLOR	LED COLOR	OPERATING VOLTAGE
-001	Clear	Amber	37.5 Vdc

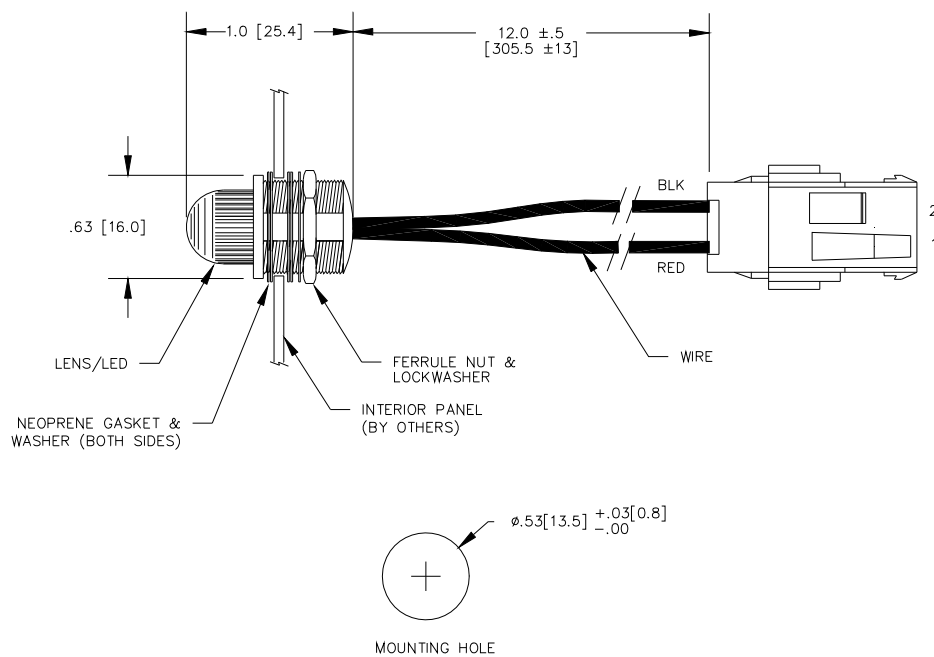
CUSTOM FEATURES

Connectors—Amp
Socket and contact

Optics for LED are not
removable from fixture

Ferrule nut and
Lockwasher for easily
installation

Neoprene Gasket &
Washer on both sides





Door Open Indicator Light
ICD- 110661

Door Open Indicator Light

ICD-110661

DASH NUMBER	FINISH	WEIGHT	LAMP TYPE
-001	Etched and clear Anodized	.75 lbs.	LED Module or 895 lamp

CUSTOM FEATURES

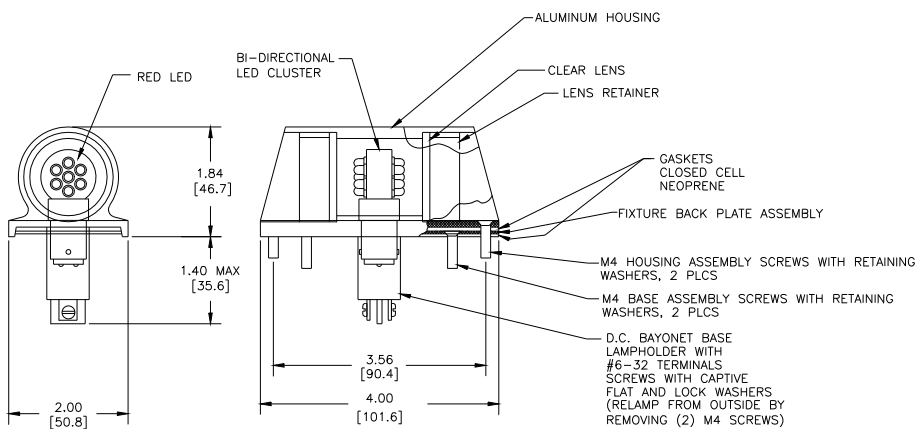
Replaceable bi-directional LED Module—
Double Contact Base

Operating Voltage 19 to
35 Vdc

Estimated life of LED @
28 Vdc—100,000 hrs

895 lamp supplied by
others

Mounting Hardware
supplied by others




Luminator


EPI
GROUP



Indicator Light
ICD-111223

EXTERIOR INDICATOR LIGHT

ICD-111223

DASH NUMBER	LAMP TYPE	WEIGHT	COLORS
-001	LED Board Assembly	3.80 lbs.	Red, Blue, White, Amber and Green

CUSTOM FEATURES

Aluminum Housing and
Stainless Steel Bezel

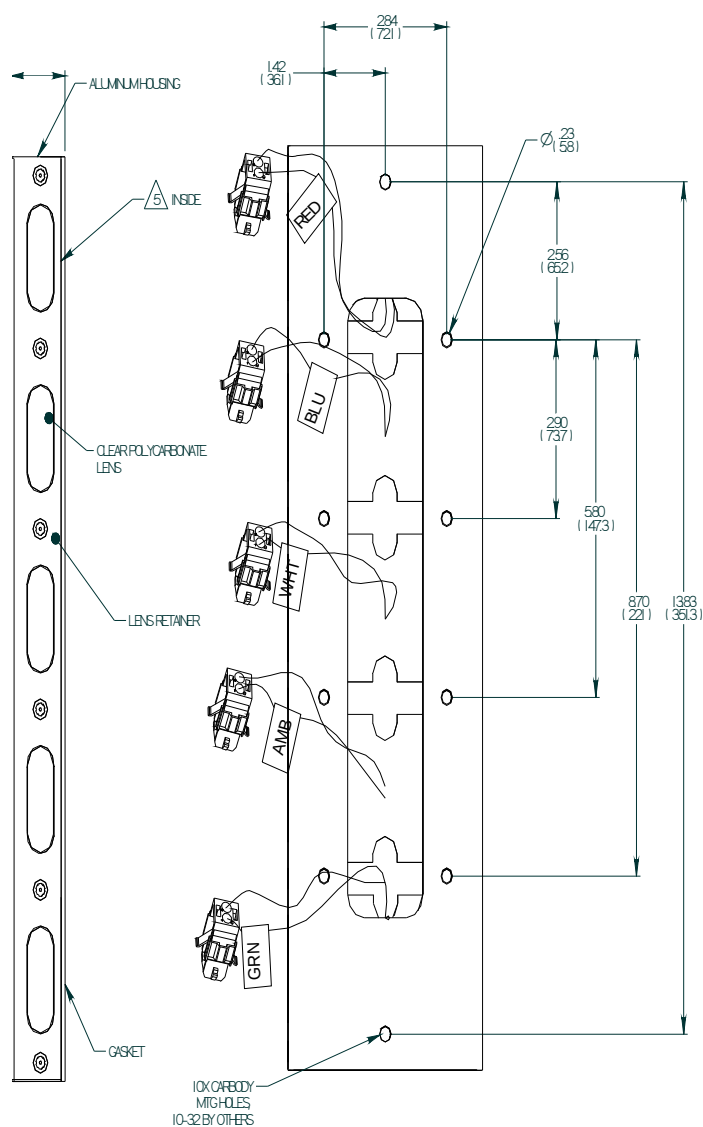
#10-32 UNF 2A Phillips
Cross Slot Stainless
Steel Hardware

Mounting Hardware
provided by others

LED average life
expectancy 50,000 hours

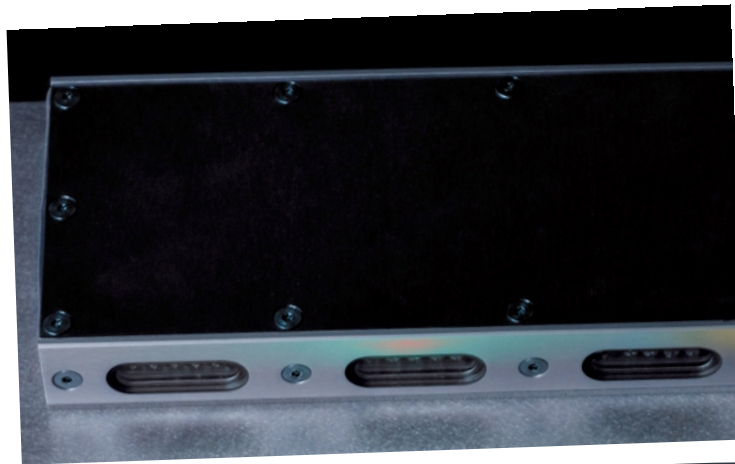
Each LED board assembly
can be replaced
individually

Operating Voltage:
37.5 VDC




Luminator

EPI
GROUP



Body Side Indicator Light
ICD-111530

BODY SIDE INDICATOR LIGHT

ICD-111530

DASH NUMBER	LAMP TYPE	WEIGHT	COLORS
-001	LED Board Assembly	3.00 lbs.	Red, White, Amber
-003	LED Board Assembly	2.50 lbs.	Red, Amber

CUSTOM FEATURES

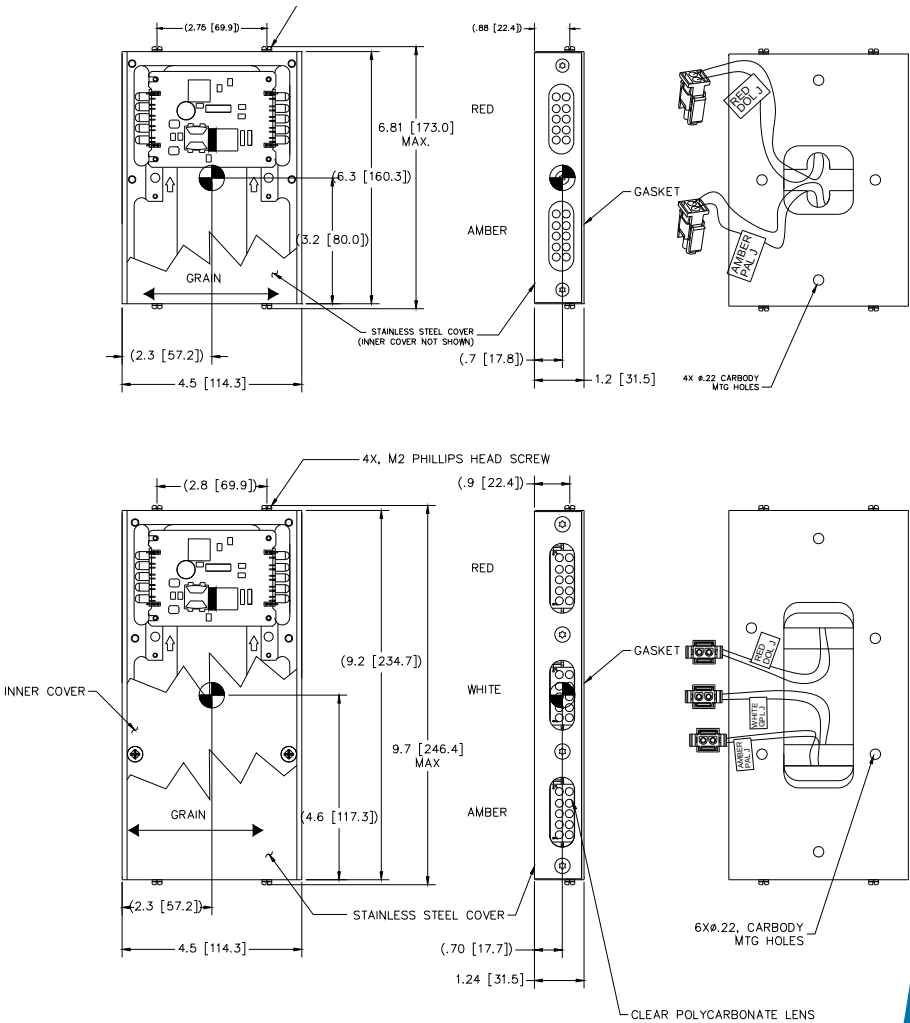
Aluminum Housing and
Stainless Steel Cover

Mounting Hardware
provided by others

LED average life
expectancy 50,000 hours

Each LED board assembly
can be replaced
individually

Operating Voltage:
37.5 VDC





Marker Light Assembly LED
ICD- 110343

Marker Light Assembly LED

ICD-110343

DASH NUMBER	MATERIAL	WEIGHT	ELECTRICAL LOAD
-001	Stainless Steel	3.70 lbs.	6 watts

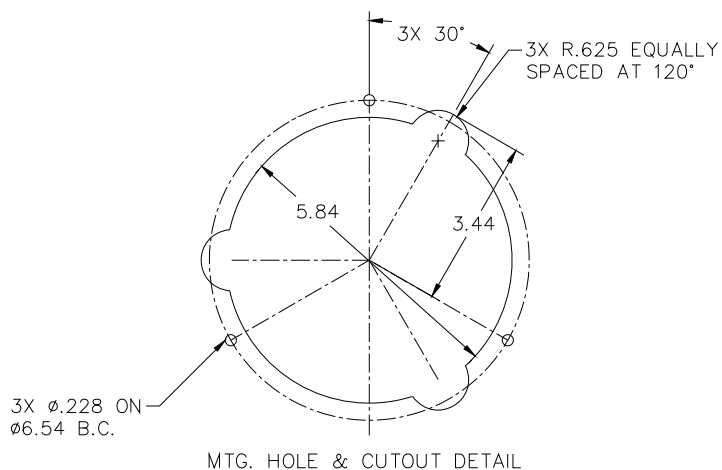
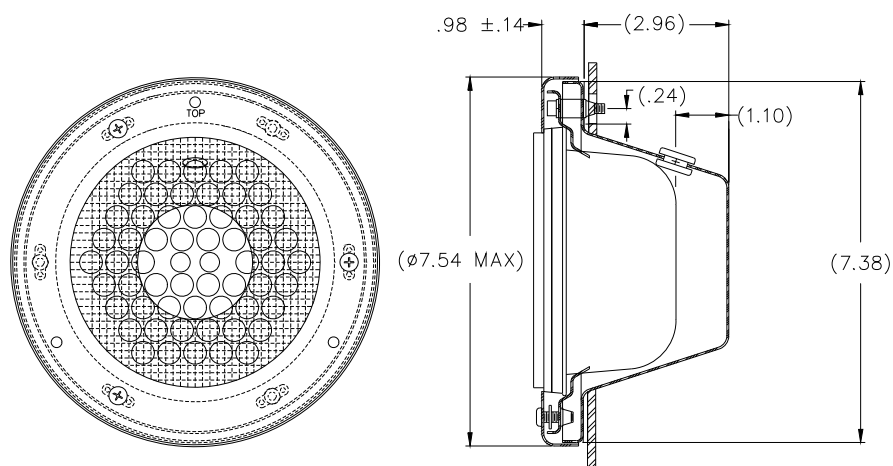
CUSTOM FEATURES

Finish—Concentrically Buffed

Mounting Hardware—provided by others

#10-32 Brazier recessed screws

Voltage—72 VDC




Luminator


EPI
GROUP



Marker Light Assembly
ICD- 110618

Marker Light Assembly

ICD-110618

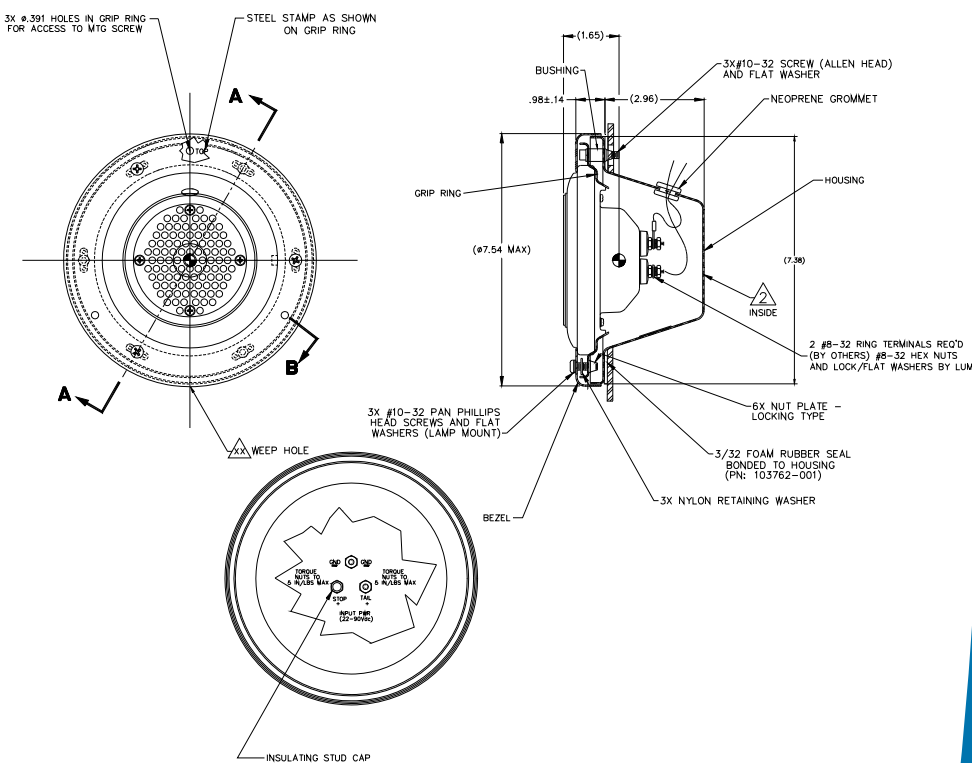
DASH NUMBER	MATERIAL	WEIGHT	ELECTRICAL LOAD
-001	Housing and Hardware—Stainless Steel	2.6 lbs.	12 watts

Finish– Concentrically
satin buff

Operating Voltage—72
Vdc

Mounting Hardware— provided by others

Reverse Polarity Protected






Luminator

EPI 
GROUP

Marker Light
ICD-110732

MARKER LIGHT

ICD-110732

DASH NUMBER	COLOR	WEIGHT	FINISH
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-001

Red/Amber

1.70 lbs.

Formed CRS 18
Gauge—
Conversion
Coated

CUSTOM FEATURES

Molded Head Resistant
Glass Lens

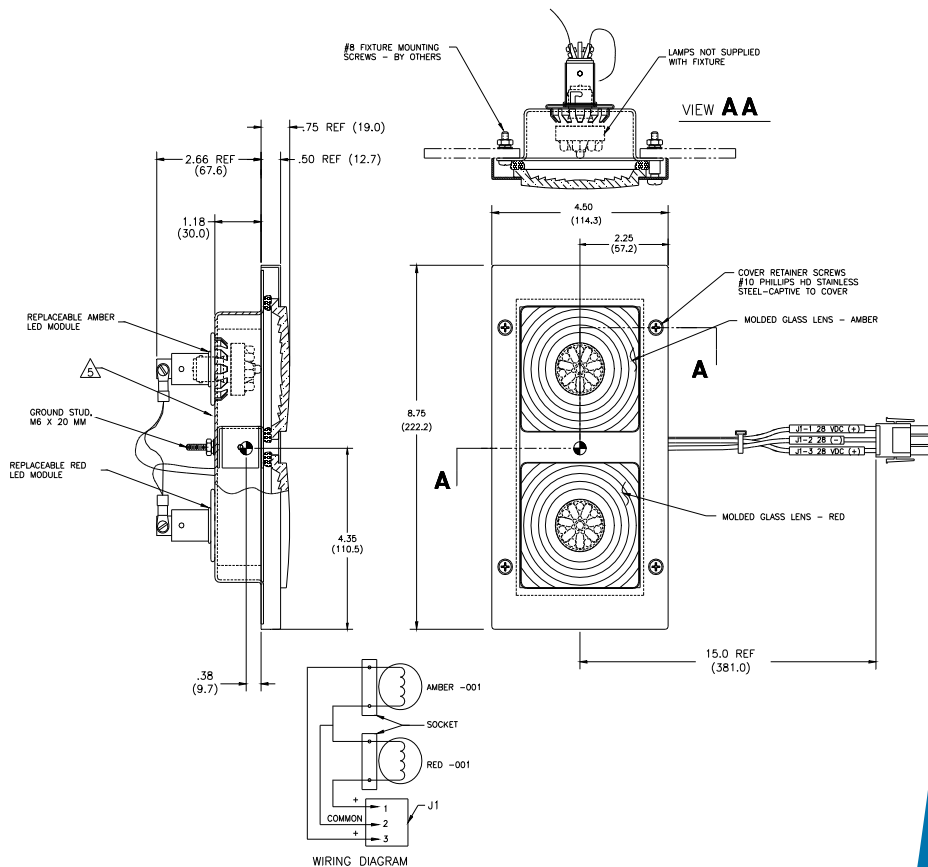
Operating Voltage 19-35
VDC

Snap In Type Socket

28 VDC LED Assembly
sold separately

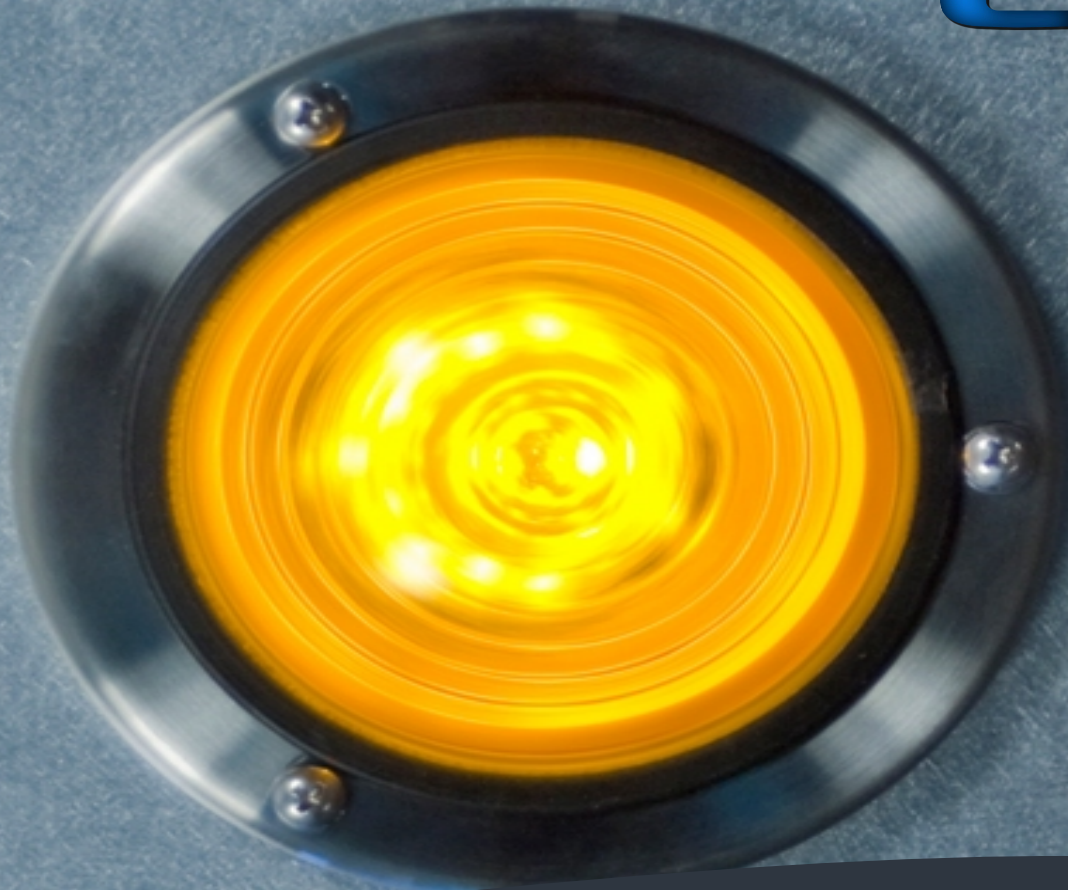
Re-lamp from inside of Car

Amp Mate n Lok II
hardware




Luminator


EPI
GROUP



Marker Light
ICD-110904

MARKER LIGHT

ICD-110904

DASH NUMBER	COLOR	WEIGHT	LED Module LMT Part #
-001	Red	1.0 lbs.	111579-001
-002	Yellow	1.0 lbs.	111579-002
-003	Green	1.0 lbs.	111579-003
-004	Clear	1.0 lbs.	111579-004

CUSTOM FEATURES

Glass Lens

Rubber Gasket Seal

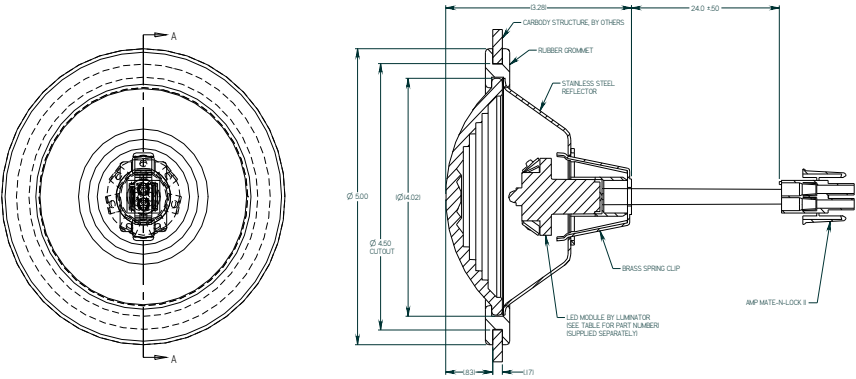
Operating Voltage 23-42.5
VDC

Snap In Type Socket

LED Assembly sold
separately

Re-lamp from inside of Car

Amp Mate n Lok II





LED Signal Light
ICD- 111424

LED Signal Light

ICD-111424

DASH NUMBER	DESCRIPTION	LENS COLOR	WEIGHT
-001	Stop/Tail Light	Red/Clear	2 lbs.
-003	Turn Signal (Rear)	Yellow/Clear	2 lbs.
-005	Marker Light	Green/Clear	2 lbs.
-007	Marker Light	Red/Clear	2 lbs.

CUSTOM FEATURES

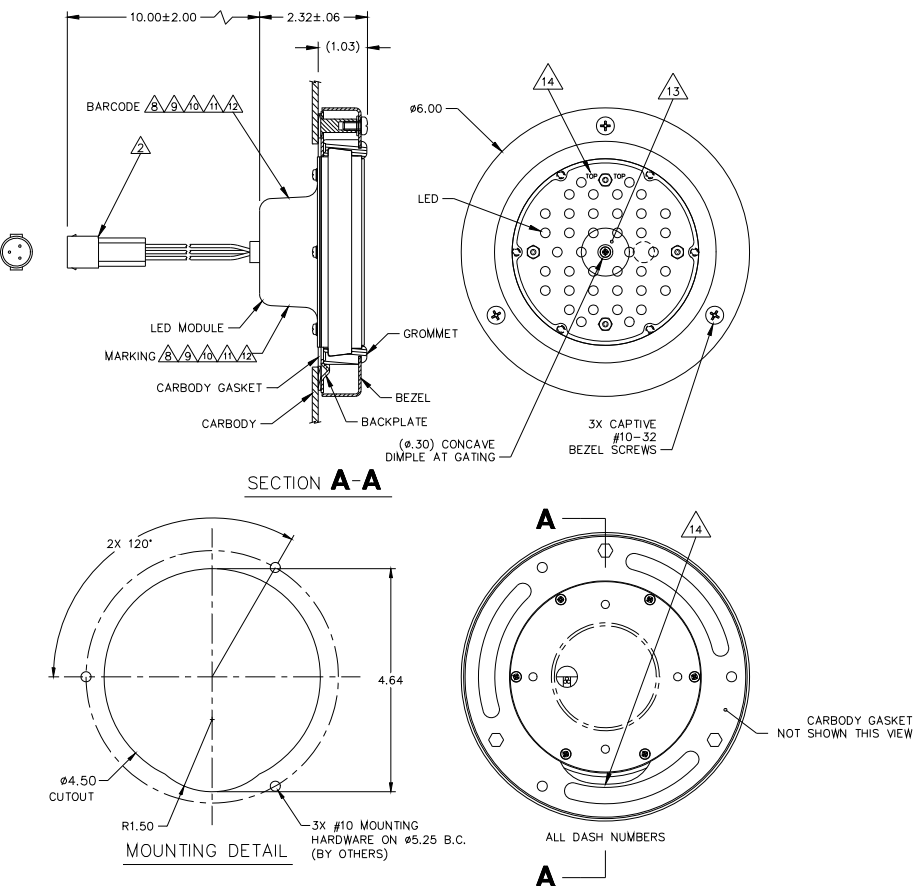
Material—Stainless Steel Bezel and Housing

Lens—Polycarbonate

Operation Voltage—19-45 Vdc (Nominal 37.5 Vdc)

Mounting Hardware provided by others

#10-32 Bezel Screws





Tail Light
ICD-109747

*Shown with ICD-110103 (Stop Taillight)
supplied separately*

TAIL LIGHT

ICD-109747

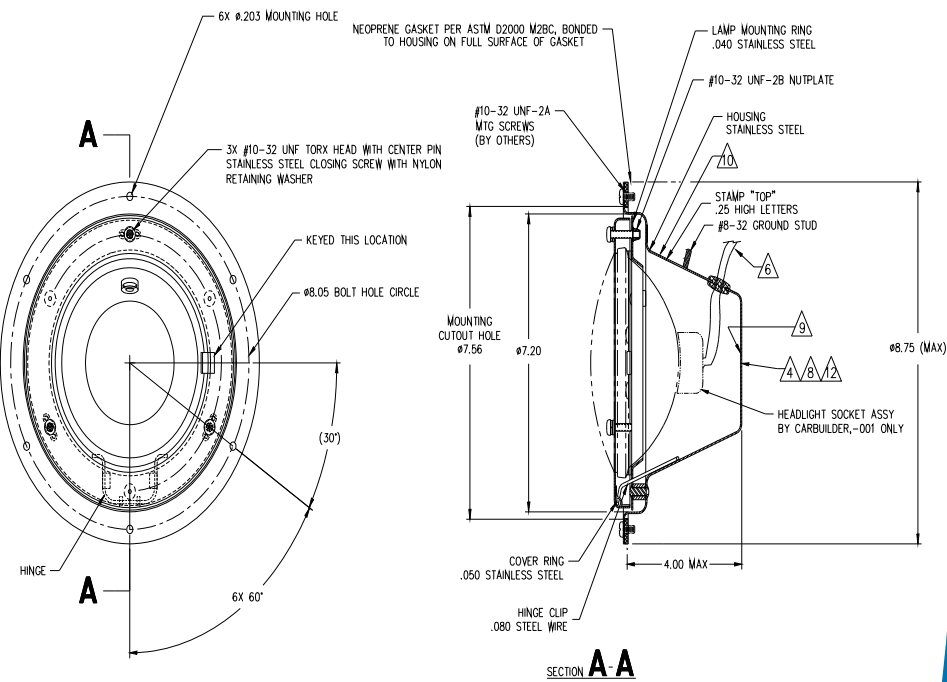
DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-001	60 watt par 46 or LED Stop Taillight (ICD- 110103)	3.80 lbs.	Stainless Steel- Satin Buff

CUSTOM FEATURES

Stainless Steel Housing
and Bezel

#10-32 UNF Torx Head
with Center Pin
Hardware

Mounting Hardware
provided by others





Tail Light
ICD-110054

*Shown with ICD-110103 (Stop Taillight)
supplied separately*

TAIL LIGHT

ICD-I 10054

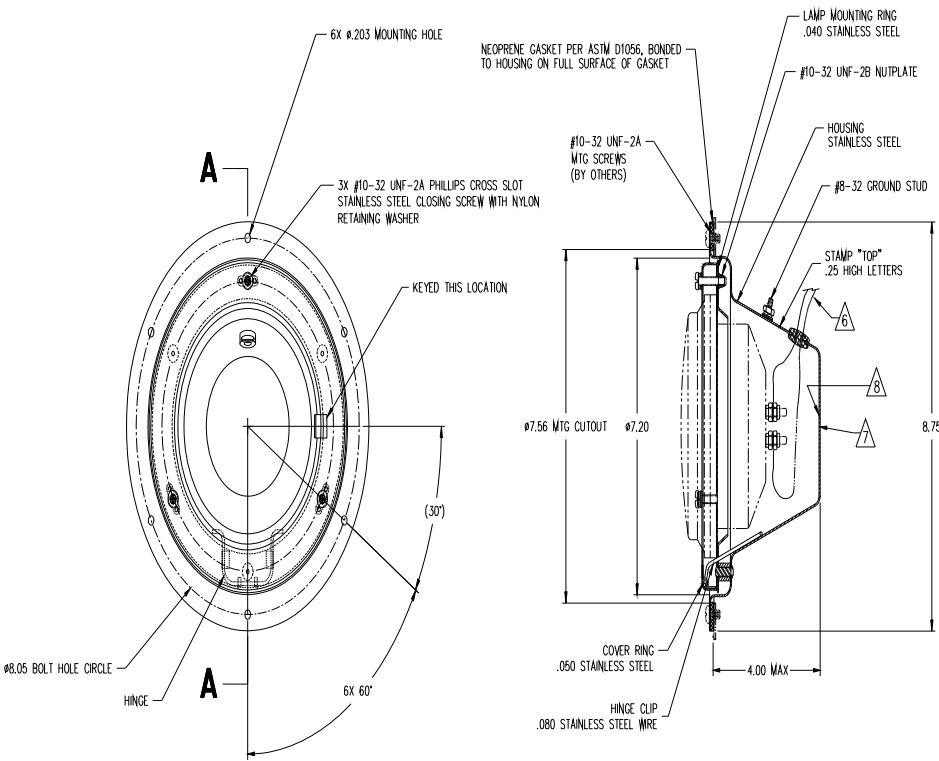
DASH NUMBER	LAMP TYPE	WEIGHT	FINISH
-001	60 watt par 46 or LED Stop Taillight (ICD-I 10103)	3.80 lbs.	Stainless Steel— Satin Buff

CUSTOM FEATURES

Stainless Steel Housing
and Bezel

#10-32 UNF 2A Phillips
Cross Slot Stainless
Steel Hardware

Mounting Hardware
provided by others




Luminator


EPI
GROUP



Stop/Tail/Marker Light
ICD-110103

STOP/TAIL/MARKER LIGHT

ICD-110103

DASH NUMBER	COLOR	WEIGHT	Current Requirements
-001	Red	1.40 lbs.	Low—(tail) 60 ma High (Stop) 120 ma

CUSTOM FEATURES

Direct replacement of 60
PAR/2/R Lamp (60
watt, par 46 red
incandescent)

Operating Voltage
22-90 VDC

Continuous reverse input
voltage -50 to
-90 VDC

FRA Compliant to FRA 49
CFR, Ch. 2 Part 221

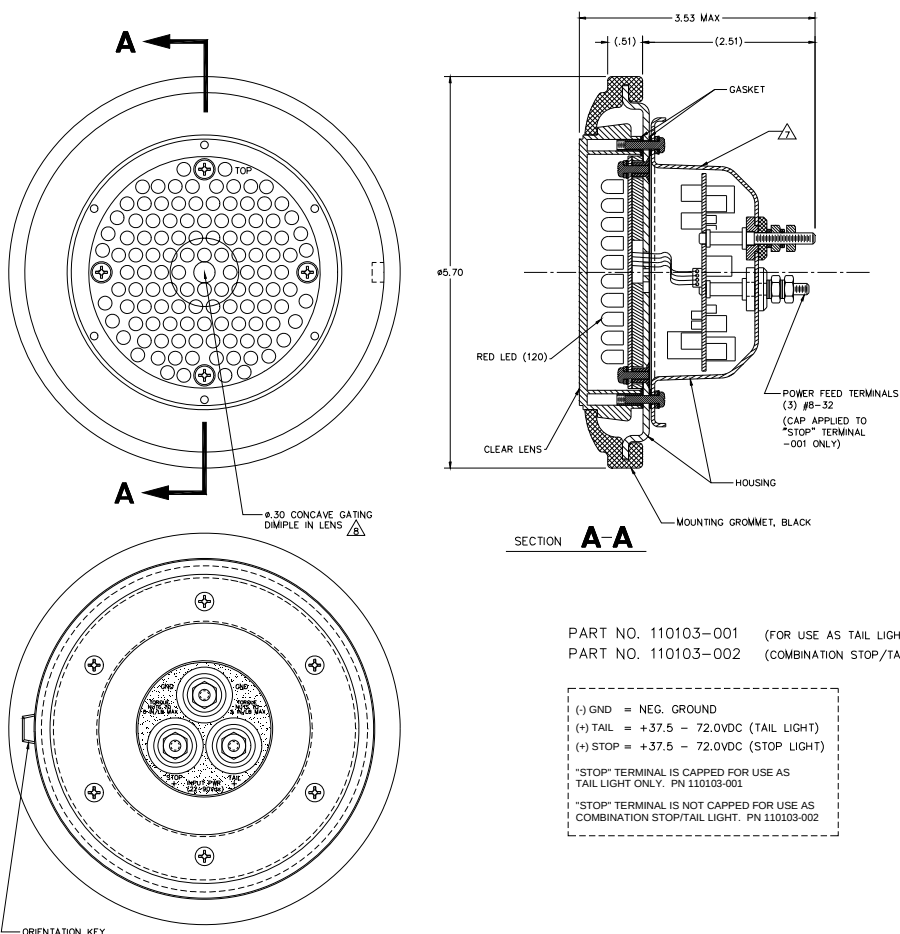
Operating Temperature:
-55C to 65C

Storage Temperature:
-55C to 90C

Radiated Emissions:
CISPR 22 Class A
(FCC CFR 47)

Conducted Emissions:
CISPR 22 Class B
(FCC CFR 47)

Radiated Immunity:
80MHz to 1 GHz—IEC
1000-4-3 Level 3





High Tail Light
ICD- 110056

High Tail Light

ICD-110056

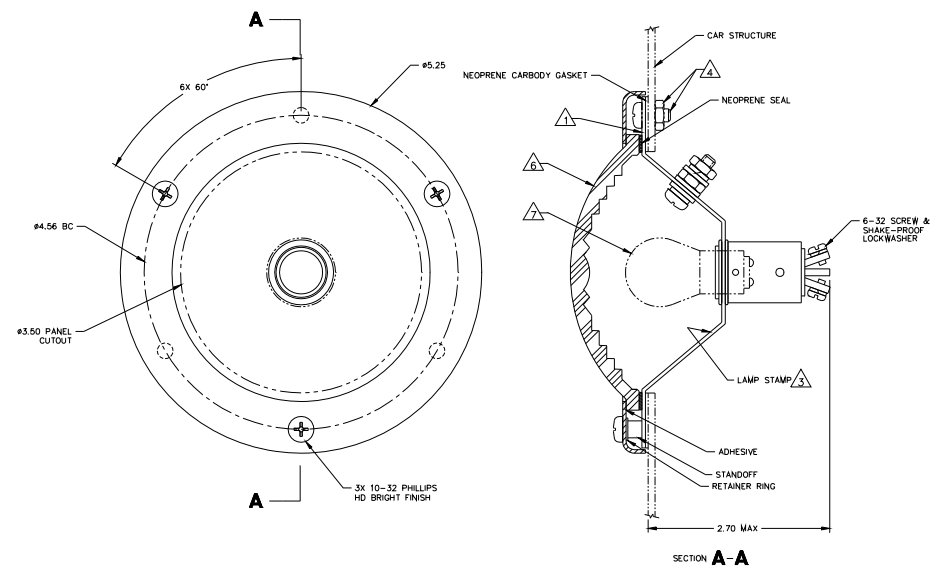
DASH NUMBER	DESCRIPTION	LAMP TYPE	FINISH
-001	High Taillight	Led Cluster or 895 Lamp	Concentrically buffed

CUSTOM FEATURES

Material—Stainless
Steel cover
Reflector— aluminum
Lens— Heat Resistant
Tempered Glass

Mounting Hardware
supplied by others

Lens Color—Red




Luminator


EPI
GROUP



Tail Light– CTA 5000 Series Car ICD– 111353

Shown with ICD-110103 (Stop Taillight)

supplied separately

Tail Light– CTA 5000 Series Car

ICD-111353

DASH NUMBER	MATERIAL	WEIGHT	LAMP TYPE
-001	Stainless Steel	2.3 lbs.	Par 46 or LED Stop Taillight

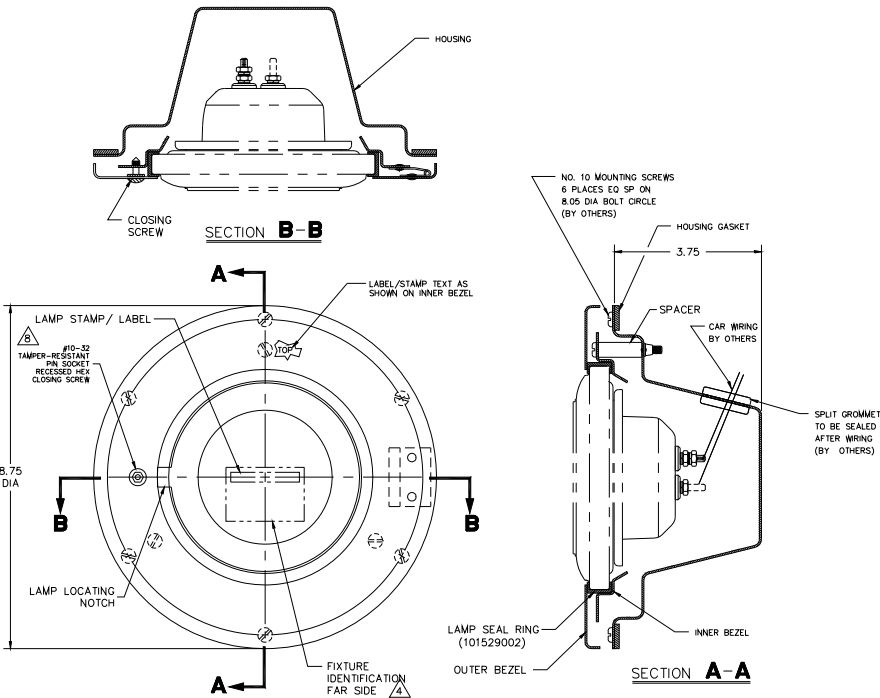
CUSTOM FEATURES

Material—Housing,
Bezel and Screw—
Stainless Steel

Finish– Satin Finish with
concentric grain

Lamp supplied by others

Mounting hardware
provided by others




Luminator


EPI
GROUP



Tail Light

ICD- 111453

(shown with Luminator LED Module

110103-001 supplied separately)

Tail Light

ICD-111453

DASH NUMBER	MATERIAL	WEIGHT	LAMP TYPE
-001	Stainless Steel	2.3 lbs.	60 Par /2/R or LED Stop Taillight

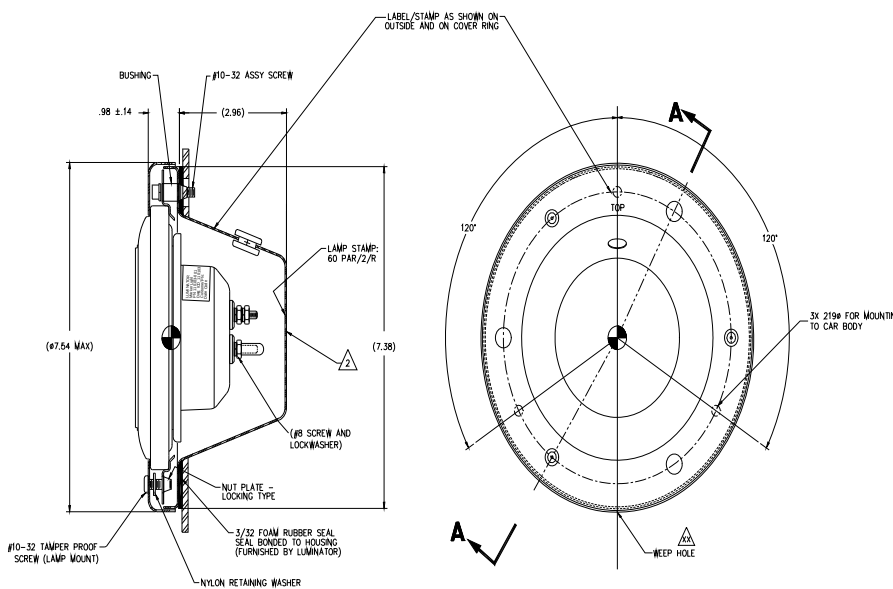
CUSTOM FEATURES

Housing, Closing
Screws, bezel—
stainless steel

Lamp provided by others

Mounting Hardware
provided by others

#10-32 Tamper Proof
screws





Air Diffuser Assembly
ICD-110307

AIR DIFFUSER

ICD-11 0307

DASH NUMBER	LENGTH	WEIGHT	FINISH
-001	134.00"	14.20 lbs.	Anodized or Powder Coated
-002	93.75"	10.20 lbs.	Anodized or Powder Coated
-003	134.00"	11.60 lbs.	Anodized or Powder Coated
-004	93.75"	8.20 lbs.	Anodized or Powder Coated

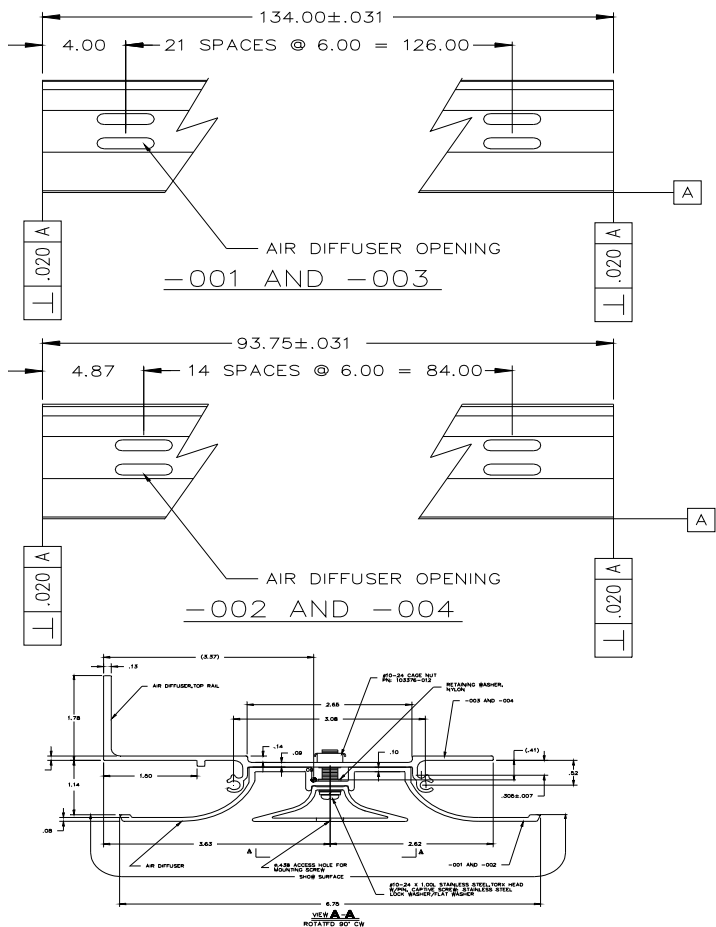
CUSTOM FEATURES

6063 Aluminum Extrusion

Stainless Steel Screws

Air Diffuser slots can be plugged to regulate air flow

Air Diffuser can have baffles to regulate air flow





Air Diffuser Assembly
ICD-110333

AIR DIFFUSER

ICD-110333

DASH NUMBER	LENGTH	WEIGHT	FINISH
-001	98.88"	16.2 lbs	Annodized or Powder Coated
-003	74.88"	12.3 lbs.	Annodized or Powder Coated
-005	66.85"	11.0 lbs	Annodized or Powder Coated
-007	56.76"	9.3 lbs	Annodized or Powder Coated
-009	49.25"	8.1 lbs	Annodized or Powder Coated
-011	42.12"	6.9 lbs	Annodized or Powder Coated
-013	32.03"	5.3 lbs.	Annodized or Powder Coated

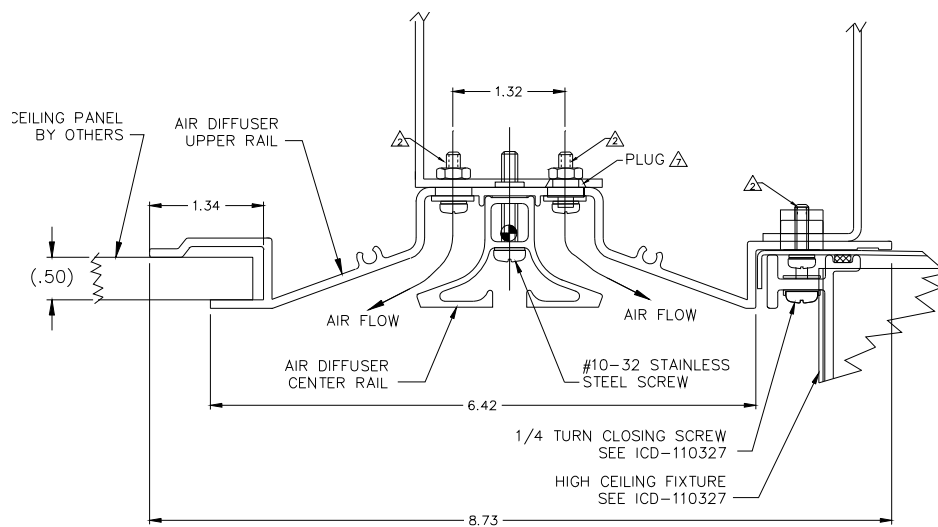
CUSTOM FEATURES

6063 Aluminum Extrusion

Stainless Steel Screws

Air Diffuser slots can be plugged to regulate air flow

Air Diffuser can have baffles to regulate air flow




Luminator



Air Diffuser Assembly
ICD-110349

AIR DIFFUSER

ICD-110349

DASH NUMBER	LENGTH	WEIGHT	FINISH
-001	73.50"	16.2 lbs	Annodized or Powder Coated
-002	81.00"	17.0 lbs	Annodized or Powder Coated
-003	33.25"	7.30 lbs	Annodized or Powder Coated
-004	38.00"	8.60lbs.	Annodized or Powder Coated
-005	74.75"	16.50 lbs	Annodized or Powder Coated
-006	32.00"	7.00 lbs.	Annodized or Powder Coated
-007	40.50"	10.00 lbs	Annodized or Powder Coated
-008	45.25"	10.60 lbs	Annodized or Powder Coated
-009	41.00"	10.00 lbs	Annodized or Powder Coated
-010	74.75"	16.50 lbs	Annodized or Powder Coated
-011	45.75"	10.60 lbs	Annodized or Powder Coated

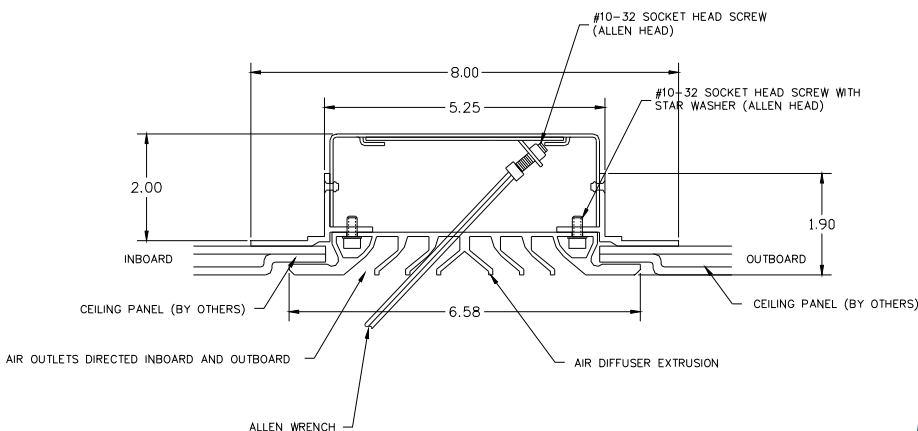
CUSTOM FEATURES

6063 Aluminum Extrusion

Stainless Steel Screws

Air Diffuser slots can be plugged to regulate air flow

Air Diffuser can have baffles to regulate air flow





Side Destination Sign
ICD- 510440



LCD Side Destination Sign

ICD-510440

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	Side Destination Sign	24 lbs.	Flat Black

CUSTOM FEATURES

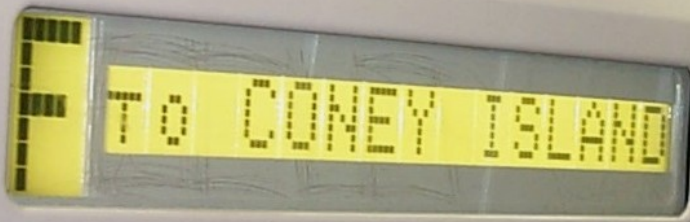
Input Voltage—37.5 Vdc

Echelon Serial
Communications

Ballast supplied by
Fixture

Mounting Hardware
provided by others

Amp Mate and Lok
connectors





Side Destination Sign
ICD- 510505

LED Side Destination Sign

ICD-510505

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	Side Destination Sign	24 lbs.	Flat Black

CUSTOM FEATURES

Input Voltage—37.5 Vdc

Echelon Serial
Communications

Mounting Hardware
provided by others

Amp Mate and Lok
connectors





LED Front Sign
ICD- 510698



LED Front Sign

ICD-510698

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	Front Sign	23 lbs.	Flat Black

CUSTOM FEATURES

Input Voltage—37.5 Vdc

Photo Sensor built in to
adjust intensity for
ambient light

Brackets provided for
installation





End Route Sign
ICD- 510474

End Route Sign

ICD-510474

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	End Route Sign	14.3 lbs.	Black Conversion Coat
-031	End Route Sign	14.3 lbs.	Black Conversion Coat



CUSTOM FEATURES

Material—
Housing—Aluminum
Lens—Polycarbonate
Closing Fasteners—
Stainless Steel

Echelon Serial
Communication

Mounting Hardware
provided by others

Amp Mat n Lok
connectors


Luminator

EPI
GROUP



Interior Message Display
ICD- 510436

LED Interior Message Display

ICD-510436

DASH NUMBER	DESCRIPTION	WEIGHT	FINISH
-001	Interior Message Display	20 lbs.	Glossy Black

CUSTOM FEATURES

Input Voltage—37.5 Vdc

Material—Housing—
Aluminum

Mounting Hardware
provided by others

Amp Connectors



Luminator



**Interior Message Display
ICD- 510439**



LED Interior Message Display

ICD-510439

DASH NUMBER	DESCRIPTION	WEIGHT	MATERIAL
-001	Interior Message Display	9.2 lbs.	Aluminum

CUSTOM FEATURES

Input Voltage—37.5 Vdc

Echelon Serial Communication

Smoke Gray Lens

Mounting Hardware provided by others

Amp Connectors





Electronic Strip Map
ICD- 510442

LED Electronic Strip Map

ICD-510442

DASH NUMBER	DESCRIPTION	WEIGHT	MATERIAL
-001	Electronic Strip Map	7 lbs.	Aluminum
-031	Electronic Strip Map	7 lbs.	Aluminum

CUSTOM FEATURES

Input Voltage—37.5 Vdc

Echelon Serial
Communication

Smoke Gray Lens

Mounting Hardware
provided by others

Amp Connectors





Luminator



**Quantum D LED
Interior Lighting**



Quantum D LED Interior Lighting

Advantages of LED's

- Design Lifetimes ~ 30,000 – 100,000 hrs
- Low Heat Emission
- No UV
- Contain no filaments or glass
 - Resistant to breakage with external physical shock
- No environmental issues compared to fluorescents and incandescent
 - No Mercury vapors
 - No Disposal fees
- Maintenance impact
 - No ballasts
 - Longer intervals between maintenance

