



AMBULANCE LIGHTING

Emergency Medical Service Applications



GUARANTEED | FOR LIFE

•FIRETECH•
BY HIVIZ LED LIGHTING



FIRETECH

BY HIZIZ LED LIGHTING

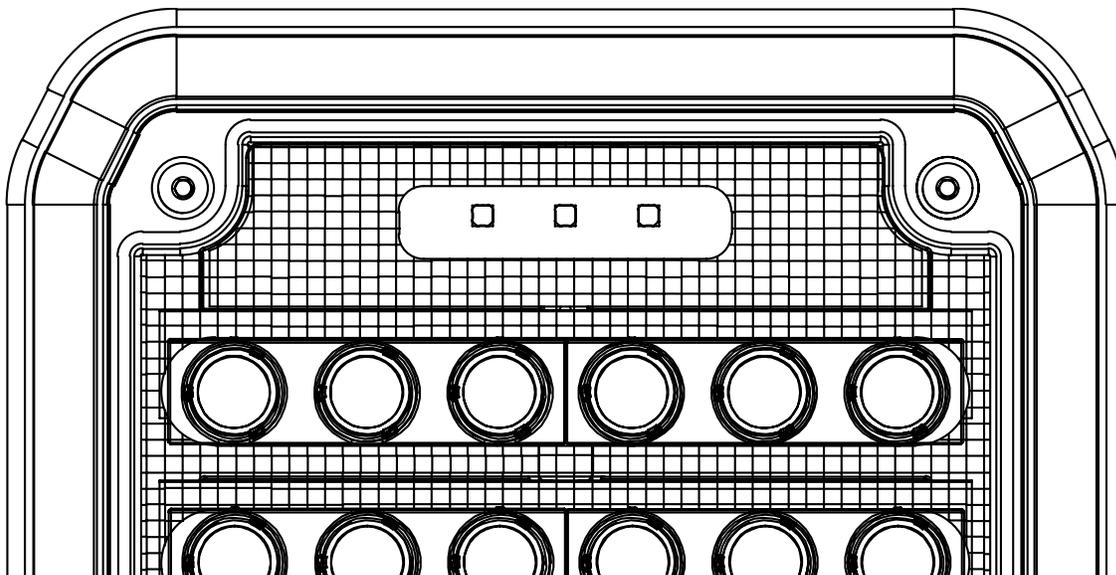
ABOUT THE FIRETECH BRAND

BY HIZIZ LED LIGHTING

HiViz LED Lighting is dedicated to developing the most innovative and highest quality LED lighting solutions on the market. Our products range from the flagship 72" low profile LED brow lights, to small utility lights, and everything in between. Unlike other manufacturers, our focus lies exclusively in forward-facing visible LED lighting products. This allows a specialist's approach to designing the ultimate lighting solution.

We build products that put more light on your emergency scene than any other manufacturer, specifically in the areas that you need it, all while streamlining the look of your apparatus and eliminating your lighting maintenance costs. We are so confident in our product offering that we couple it with the industry's only limited lifetime guarantee.

At HiViz LED Lighting, our development team works side by side with the men and women in the fire and emergency service industry; we're firefighters ourselves. We understand what it takes to hop out of bed at 3AM for a structure fire in the middle of nowhere. We've been there on those tragic traffic accidents where the road gets shutdown for hours, usually just after the bars close at 2AM. Nothing makes a scene more difficult than inadequate lighting, that's the reason our team is dedicated to supplying the best lighting available in our industry. Experience is the best teacher and it certainly helps us build better lights.





QUALITY AS A PRIORITY



INGRESS PROTECTION

Products are sprayed from close distances with 80~100 BAR water pressure to verify the ingress protection rating, ensuring they are sealed properly.



SUBMERSION & AGING

Once products are assembled every product is run through a submersion (water dunk test), then placed onto an aging rack and powered up for 30 minutes.



THERMAL IMPACT

Products are placed in a -40°C chamber for 30 minutes, and then placed in a 80°C chamber for an additional 30 minutes. Products are then left on for 72 hours.



LONG TERM DURABILITY

Products are then switched on and off 20,000 times repeatedly to ensure that they remain functional after all testing.

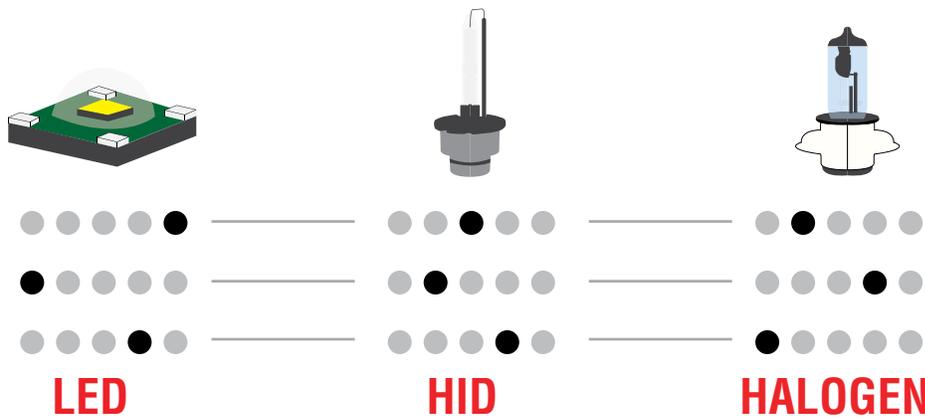


CONSUMPTION & INPUT RANGE

All products are put on a digital power meter to test that it is consuming the correct amount of power, checking for any electrical faults.



LIGHTING **TECHNOLOGY** EXPLAINED



KNOW THE DIFFERENCE

LED Lighting is the most advanced technology on the market today, and offers maximum visibility and safety around your apparatus. LED Lights do not use a bulb, and without any moving or glass parts, are designed to operate maintenance free for the LIFE of your apparatus.

HID lights require a bulb, starter and ballast to operate. They have a higher output per watt than Halogen bulbs, but take time to warm up and reach their full brightness. HID lights are also prone to excessive electrical noise, which can interfere with communication systems.

Tungsten-Halogen bulbs use an oversized globe and specially engineered filament to enhance light output. Halogen bulbs are by far the least efficient and often provide the least amount of light when compared to LED and HID options.

THE HIVIZ DIFFERENCE

Top Binning
Not all LEDs are created equal. Each run of any given model of LEDs by the manufacturer is binned to classify the quality within that batch. HiViz uses only top binned LEDs to ensure the highest quality.

High Efficacy
HiViz products are engineered for the highest possible luminous efficacy - the ratio of lumens per watt. Each light is specifically designed to take full advantage of the LED inside it.

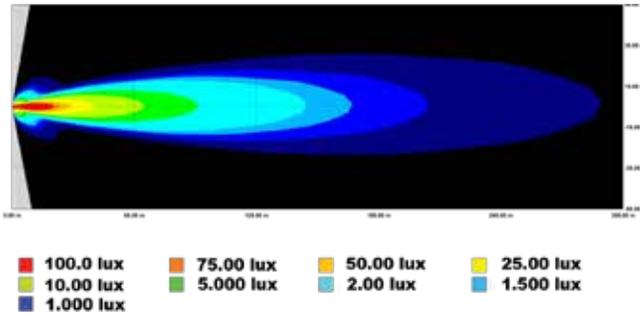
Pulse Width Modulation
When enabled, Pulse Width Modulation integrated circuitry flashes the LED faster than the human eye can see for reduced heat, prolonged LED life and providing dimming capabilities.

Electronic Thermal Management
The most important factor in determining service life and performance of an LED fixture is the operating temperature of the circuit. Integrated Electronic Thermal Management automatically regulates heat levels by engaging ETM to prolong each LEDs lifespan to 50,000+ hours.





MEASURING LIGHT OUTPUT

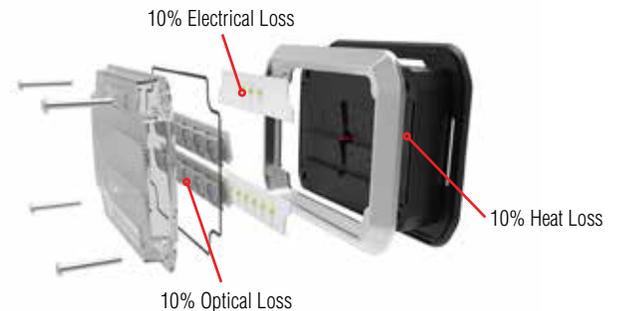


USABLE LIGHT = LUX / F.C.

Lumens is the measurement of light at the source. Lux (or Foot Candles) is the measurement of light on a specific target. Analogous to fire fighting, Lumens is GPM/Flow, Lux is where the water droplets land. Changing from fog to straight stream does not effect the flow rate, it just effects where the water lands. Similarly, Lumens at the source does not tell you how much light is where you're working, just how much light is produced. Temperature of circuit is analogous to Friction loss.

In general, adequate work lighting levels in the Fire/Rescue/EMS industry is defined as somewhere between 3 and 10 lux on target. At one lux, you generally have enough light to read a newspaper.

TOTAL LIGHT OUTPUT = LUMENS



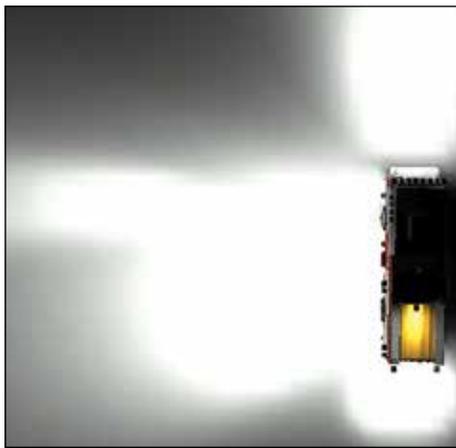
RAW LUMENS | VS | EFFECTIVE LUMENS

Lumens are a common standard for measuring light output at the source. It is important to know that the LED Chip manufacturer rating is only for the light source in a perfect world, at a perfect temperature and does not account for losses due to optical inefficiencies, electrical inefficiencies or heat.

The sum of the rated output of the LED chips is not enough to capture the whole story. When rating the effective output of a light source, the light lost as heat, in optical light spray and electrical inefficiency must also be accounted for, as each of these reduce the total usable lumens. This Effective Light Output is measured in a machine called a Goniophotometer, and allows comparisons between fixtures using reproducible scientific "IES" data. This is the ONLY fair way to compare lights from one manufacturer to another. HiViz LED Lighting is happy to provide Photometric Isolux reports on any product upon request.



AMBULANCE FIT OUT GUIDE

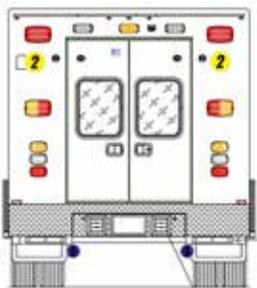


REALISTIC & ACCURATE FIT OUTS

The FireTech lineup from HiViz LEDs includes a complete range of Work and Utility LED lights. Put these fixtures to work in nearly any setting and you'll be impressed by the outstanding light output, diverse mounting configurations, minimal amp draw, and durable housing. The FireTech WL-X range is a high quality premium series with versatile range designed specifically for the Fire and Emergency vehicle markets.

We can typically produce a detailed rendering within five to ten business days if provided proper vehicle specifications.

LIGHTING SOLUTION PROCESS:



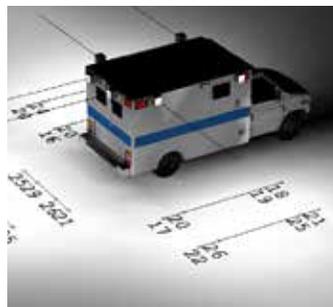
2D BLUEPRINT

HiViz Lighting begins each project with a customer-provided drawing of the rig to be outfitted, then gathers the technical information for that specific unit.



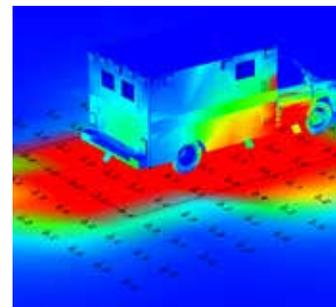
3D MODEL

A 3D model is built using the customer's specifications, then carried over into the rendering engine.



SIMULATION RENDER

A simulation rendering ensures the final product will meet the customer's lighting requirements, as well as any applicable standards.



SOLUTION

HiViz Lighting creates a complete breakdown of the customer's specific needs to meet their safety requirements.



EXAMPLE: AMBULANCE FIT OUT GUIDE

1 FT-B-46-ML3-*0916FSDKIT
46" brow light with 3 integrated ID lights with Ford SuperDuty windshield bracket

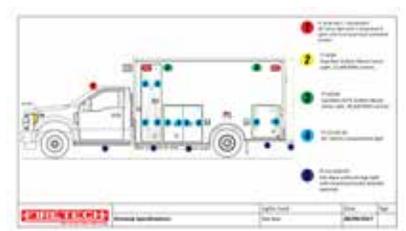
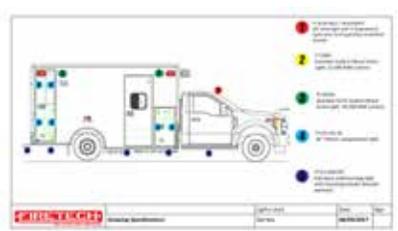
2 FT-GSM
Guardian Surface Mount Scene Light. 12,500 RAW Lumens.

3 FT-GESM
Guardian ELITE Surface Mount Scene Light. 20,500 RAW Lumens.

4 FT-CU-HD-36
36" interior compartment light

5 FT-CU-AQX-KIT
Sub-Aqua undercarriage light with mounting bracket (bracket optional)

	Project Name: AMBULANCE FITOUT	Lights Used	Date	Sign
Drawing Specifications		See Key	08/09/2017	



THE FIRETECH FOUR

HiViz LED Lighting and its partner companies manufacture close to 600 unique lighting fixtures. For the Ambulance market, we've slimmed the range and focused on just Four key parts sure to keep your crew illuminated on even the darkest night. Additional configurations may be available from HiViz, but these parts are specifically optimized for use on your EMS fleet!



1

GUARDIAN

PAGE 10-13



SIDE SCENE LIGHTING / LOAD LIGHTING

The Guardian LED scene light uses a 7.25"x 5.25" mounting hole layout which matches the most common 7x9 "900 series" fixtures in the industry. With a standard and a high output model available, your crews will have a serious edge up after dark.

2

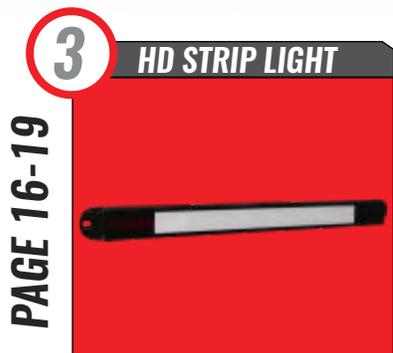
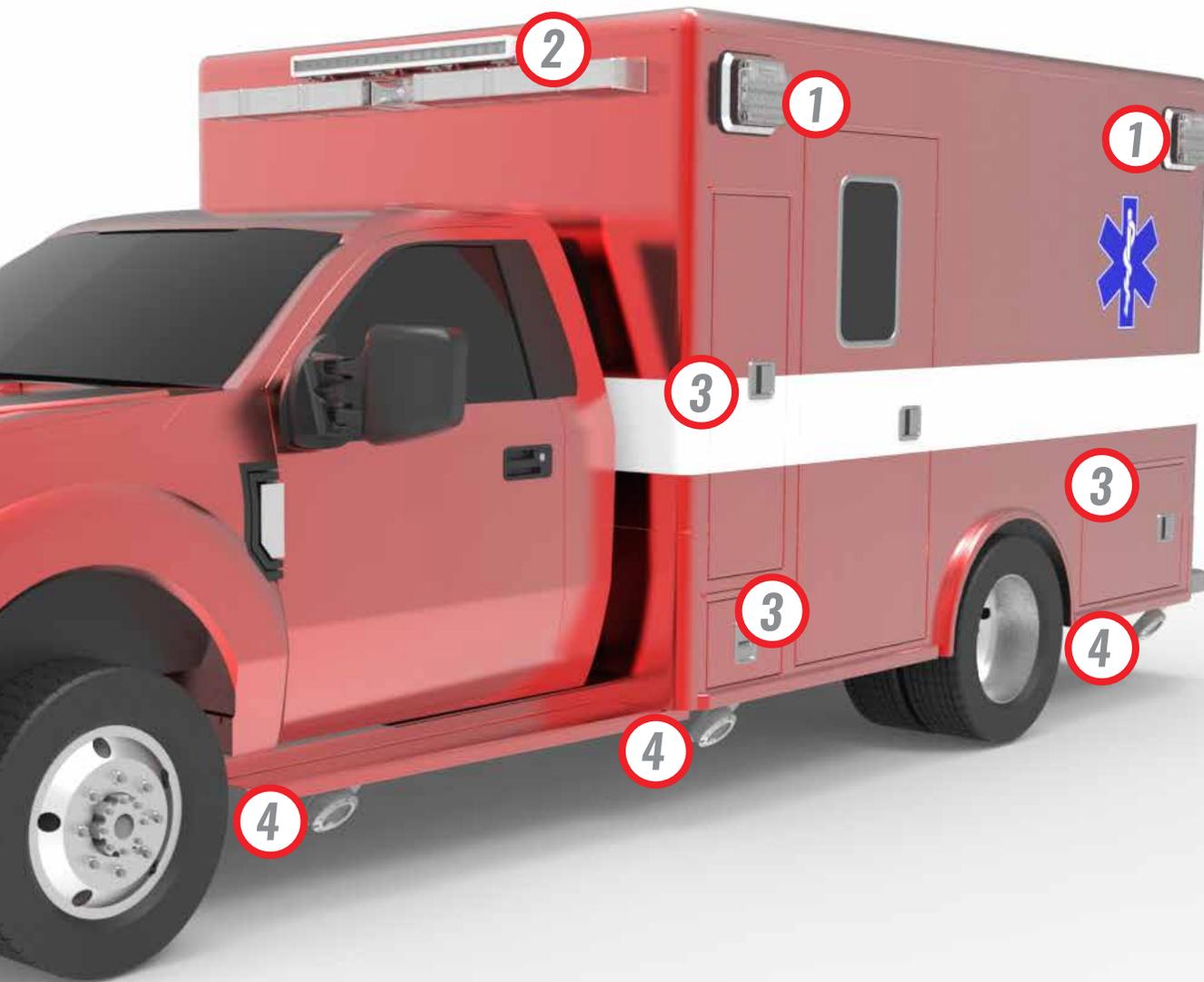
MINI BROW LIGHT

PAGE 14-15



FORWARD FACING LIGHT

HiViz LED Lighting's FIRETECH brand was made famous by the 72" Flagship FIRETECH Brow light. This same technology is available for EMS units with a simplified electrical layout and variety of mounting options. Stop putting fixtures designed for poles on the front of your rigs... this range was specifically designed to shine on scenes in front of the rig!



COMPARTMENT LIGHTING

Surprisingly, compartment lighting is an area often frustrating to many fleet managers. Many times the cheapest light available is installed, only to give problems for the life of the vehicle. The FireTech HD Strip light is the only compartment light in the industry to bond the chips and circuit board directly to the housing, THEN pot it. That potting makes it totally waterproof, and the mechanical attachment to the housing allows proper thermal management and superior service life.



UNDERCARRIAGE LIGHTING

Salt? Road Spray? Rocks? No problem. The FireTech FT-AQX was originally designed as an indestructible marine-market under water transom light. With some minor tweaks to the optics, this fixture has been tooled to be the ultimate undercarriage light. Never want to have to mess with another ground light again? The FT-AQX is the solution.



GUARDIAN SURFACE MOUNTED SCENE LIGHT

Ever since our entry in to the Fire market in 2011, our customers have been asking for a non-recessed Surface Mounted LED Scene light. 2018 is the year: Introducing the Guardian Surface Mounted LED Scene Light! Specifically designed with EMS Fleets in mind!



“THE **PERFECT SOLUTION** FOR THE SIDES AND BACK OF **YOUR APPARATUS**”

GUARDIAN FEATURES

-  INDUSTRY STANDARD SIZES
-  MULTIPLE OUTPUT OPTIONS
-  WIDE SPREAD PRECISION OPTICS
-  POLE MOUNTING OPTIONS (PG.26)

GUARDIAN JR. **NEW** PRODUCT

MORE LIGHT, LESS POWER

The Guardian Elite produces as much measurable light as fixtures advertised as 20,000 lumens in the fire industry. However, the Guardian Elite produces that light using close to 90 watts (7.5A) LESS power per fixture, at 12v DC. What does this mean for you? In the world of EMS rigs, the chassis electrical system is often smaller than on full sized fire apparatus. When building a truck with lots of DC loads, you will be less likely to run in to amperage load chart or electrical system limitations due to the Scene Lighting package using an ultra-efficient circuit like the FireTech Guardian!

Less Power = Less Heat. By keeping the circuit temperature low, the FireTech Guardian LED Surface Mounted Scene Light can offer sustained light output regardless of runtime on your incident.



GUARDIAN

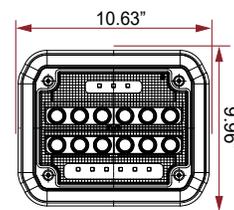


GUARDIAN - STANDARD OUTPUT

EQUIVALENT LUMENS	10,000
EFFECTIVE LUMENS	6,500
WATTAGE	70W
AMPERAGE	5.83A
INPUT VOLTAGE	9-32V DC

GUARDIAN ELITE - HIGH OUTPUT

EQUIVALENT LUMENS	20,500
EFFECTIVE LUMENS	12,290
WATTAGE	125W
AMPERAGE	10.41A
INPUT VOLTAGE	9-32V DC

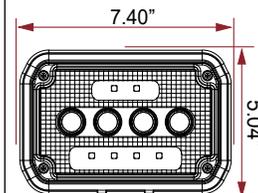


GUARDIAN JR.

NEW PRODUCT



LEDS	10 CREE XPG-3
RAW LUMENS	5,000
EFFECTIVE LUMENS	3,125
OPT. HOUSING COLORS	BLACK
OPT. BEAM PATTERNS	COMBO
DIMENSIONS	7.40" X 5.04" X 1.54"
WATTAGE	40W
AMP DRAW (@12V)	3.33A
INPUT VOLTAGE	9-32V DC



MODELS

ITEM #	DESCRIPTION	ITEM #	DESCRIPTION
FT-GSM	Guardian LED Surface Mount; 10K Im DC Power	FT-GSMJR	Guardian Jr. LED Surface Mount; 5K Im DC Power
FT-GESM	Guardian Elite LED Surface Mount; 20.5K Im DC Power		

* Add "-B" to Guardian / Guardian Elite part number for a "blackout" model (black bezel and optic holders). 8-10 week lead time required for all "-B" orders.

* Add "-B" to Guardian Jr part number for a "blackout" model (black bezel and optic holders). 8-10 week lead time required for all "-B" orders.

GUARDIAN OPTIONAL ACCESSORIES



RETROFIT GASKET P/N: P-GSM-RGKIT
For replacing older style fixture or halogen side scene light. Covers old or oversized holes in the body.



BEZEL DELETE GASKET P/N: P-GSM-BDKIT
Allows installation of Guardian / Guardian Elite Scene Light without chrome bezel for a reduced mounting profile.



NFPA 1917 COMPLIANCE

UNDERSTANDING THE REGULATION OF SCENE & LOAD LIGHTING

Vince Lombardi once said, "if you're not keeping score, you're only practicing." We have an open door policy on our score book, and are happy to share the raw testing data from our fixtures. At HiViz LED Lighting, we believe in building our business on a solid foundation; this means lots and lots of testing before publishing technical specifications.

“THE **FIRETECH GUARDIAN** EXCEEDS THE MINIMUM STANDARD **BY AT LEAST 10X**”

NFPA 1917 - 7.11.2 SCENE LIGHTING

7.11.2.1

Scene lights shall be located on both sides of the ambulance

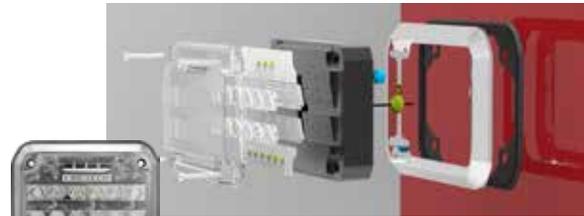
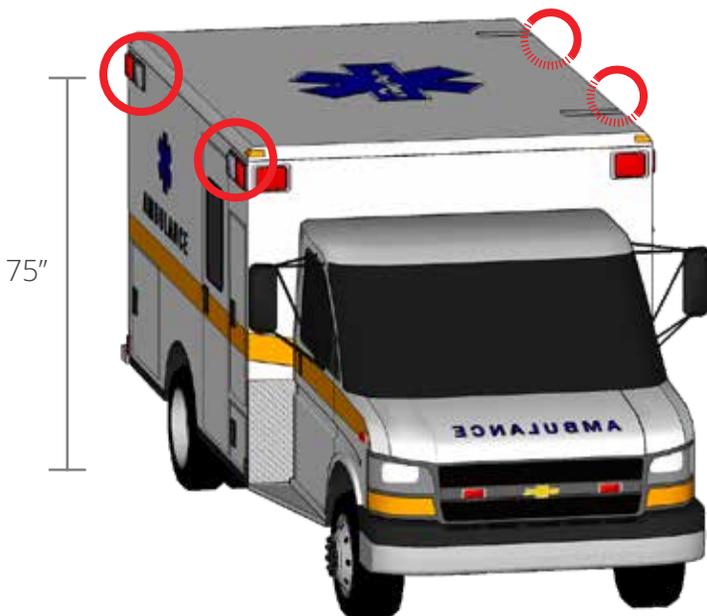
7.11.2.2

Scene lights shall be not less than 75 in. (1.9M) above the ground and unobstructed by open doors.

7.11.2.3

Scene light switches shall be located on the cab console and shall control each side independently.

Excerpted from "7.11.2 Scene Lighting" found in NFPA 1917 "Standard For Automotive Ambulances" 2016 Edition, p. 32. ISBN: 978-145591189-9 (print) This guide is NOT an endorsement by or affiliated with NFPA, NTEA, GSA, AMD or any regulatory agency.



GUARDIAN / GUARDIAN ELITE

The optics and circuit board alignment in the Guardian series are designed to shine light straight down the body, as well as out on to the emergency scene. The top row of LEDs provide an ultra-high output beam of light to help you spot mailboxes and address numbers.

A 6,000k color temperature has been selected to help responders differentiate between colors and improve dexterity in low light environments. In patients with difficult to find veins, or presenting with skin discoloration, this color temperature can help rescuers identify differences in color more easily than traditional types of technology.



NFPA 1917 - 7.11.3 LOAD LIGHTING

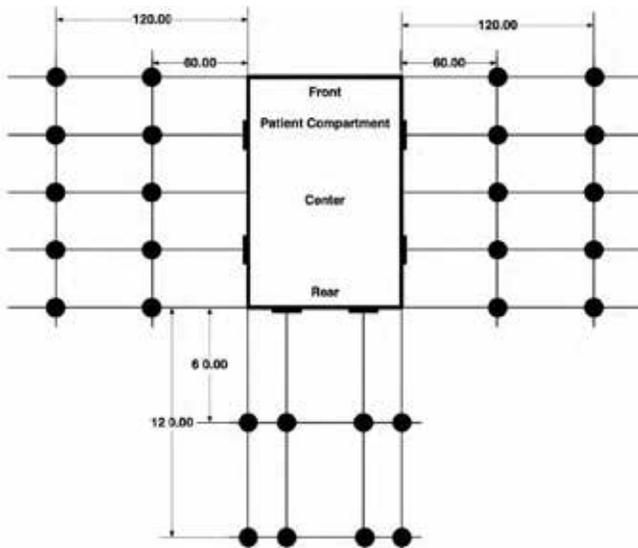
7.11.3.1

The loading area shall be illuminated to a level of at least 1 footcandle (fc) within the first 5ft. (1.5M) from the vehicle and 0.3 fc up to 10ft. (3M) from the vehicle.

7.11.3.2

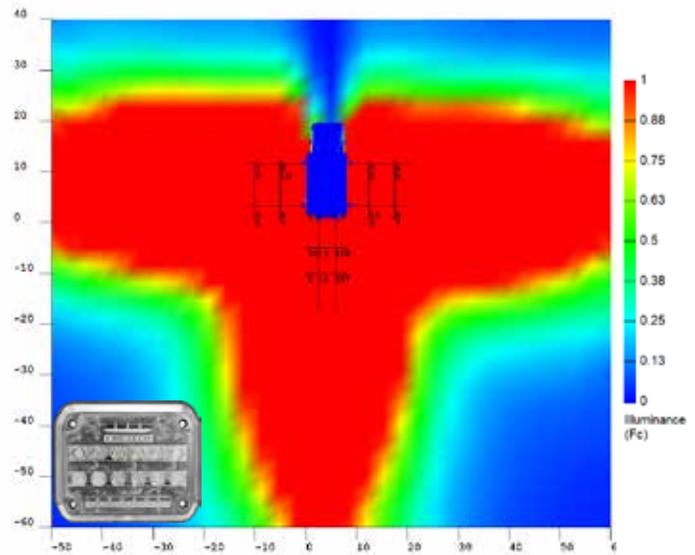
Compliance of the load lighting illumination shall be validate by testing a substantially similar ambulance in accordance with AMD 024, Perimeter Illumination Test

Excerpted from "7.11.3 Load Lighting" found in NFPA 1917 "Standard For Automotive Ambulances" 2016 Edition, p. 32. ISBN: 978-145591189-9 (print) This guide is NOT an endorsement by or affiliated with NFPA, NTEA, GSA, AMD or any regulatory agency.



AMD 024 : PERIMETER ILLUMINATION TEST

Above is the graph showing the distances at which a certain amount of Foot candles are required.



GUARDIAN : PSUEDO COLOR PHOTOMETRIC REPORT

This isometric graph shows that the Guardian exceeds the requirements of the AMD 024 Illumination test by covering well beyond the tested distances with over 1 FC. Areas closer to vehicle cover up to 10x the required output.

***Anything in RED = 1 Footcandle or Greater**



NFPA 1917 - 7.11.3 LOAD LIGHTING

7.11.3.3

Load lights shall be not less that 75in. (1.9M) above the ground and unobstructed by open doors.

7.11.3.4

Load lights shall turn on whenever the rear patient entry doors are opened and the module power is on.

7.11.3.5

Load light switches shall allow for manual operation when the doors are closed.



MINI BROW LIGHTS

The FireTech Mini Brow LED Scene Light Bars excel where normal scene lights won't cut it. By having a shallow mounting depth, the Low Profile FireTech MiniBrow is able to provide powerful light output while integrating neatly to the lines of your apparatus cab and body. Unique conical optics make the FireTech MiniBrow series a perfect fit for the leading edge of your EMS rig!

“THE **PERFECT SOLUTION FOR** THE FRONT AND BACK OF **YOUR AMBULANCE**”

MINI BROW LIGHT FEATURES

- ▶ OPTICALLY DESIGNED FOR FORWARD FACING SCENE LIGHT
- ▶ 10° SPOT, 10/60° COMBO OR ALL 60° OPTIC OPTIONS
- ▶ SINGLE CIRCUIT FOR EMS APPLICATIONS
- ▶ L-FOOT, PEDESTAL, OR A-PILLAR MOUNTING
- ▶ LOAD LIGHT APPLICATIONS WITH TIGHT CLEARANCE



DESIGNED FOR EMERGENCY MEDICAL SERVICES

Our Brow Light and MiniBrow Scene Light technology are designed by first responders for other first responders. That means that we're acutely aware of what you need from your lights and how to best provide it in a package that can fit on many different styles of apparatus. We know that you don't need to worry about whether your scene light will work in an emergency, but only need to worry about the illumination necessary to do your job. That's why the FireTech MiniBrow Series is backed by the industry's leading limited LIFETIME warranty. The shallow mounting depth and low-profile design allow the FireTech MiniBrow series to provide powerful light output while integrating neatly into the lines of your ambulance cab and body.

BORN FROM “THE BROW LIGHT”

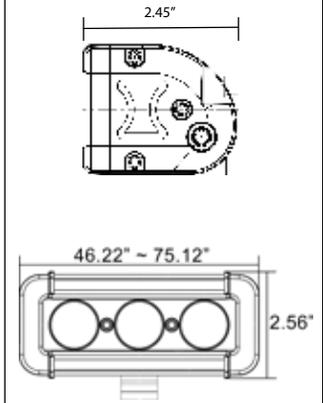
The MiniBrow Series uses the same core extrusion technology as the legendary FireTech Brow Light, but is offered as a single-circuit solution for use in the Ambulance world. This means you can have the reliable and bright light of our FireTech Brow Lights wherever you choose to mount the MiniBrow series on your vehicle. With two separate mounting options, you can be sure that this scene lighting solution can be configured to fit on your Ambulance.



FT-MB



LEDS	21 / 27 / 33 CREE
RAW LUMENS	11,088 / 14,256 / 17,424
EFFECTIVE LUMENS	7,762 / 9,979 / 12,197
OPT. HOUSING COLORS	WHITE & BLACK
OPT. BEAM PATTERNS	10°, 60°, 10/60° COMBO
NUMBER OF LIGHTS	1
WATTAGE	105 / 135 / 165W
AMP DRAW (@12V)	8.75 / 11.25 / 13.75
INPUT VOLTAGE	9-32V DC
CONNECTOR	DEUTSCH DT04-2P
EMC APPROVAL	CISPR25 CLASS 1 / CE
VIBRATION RATING	15.6 GRMS



*Other lengths and mounting configurations may be available in the full FireTech Product Catalog

PRODUCT CONFIGURATIONS

AVAILABLE LENGTHS

21 LED | 27.33" / 694.18MM
 27 LED | 34.89" / 886.20MM
 33 LED | 42.44" / 1,077.98MM

BEAM OPTIONS

10° SPOT = S
 60° FLOOD = F
 10/60° COMBO = FT

CONFIGURE YOUR PART NUMBER

LEDS	BEAM	HOUSING
↓	↓	↓
FT-MB-	-	-
21	S	B
27	F	W
33	FT	

MOUNTING TO A VERTICAL SURFACE?

Check out the FT-P-LFOOT-* (color) mounting accessory!



HOUSING COLOR OPTIONS

WHITE

BLACK



EXAMPLE

FT-MB-21-S-W

MINI BROW LIGHT - 21 LED - 10° SPOT - WHITE HOUSING





COMPARTMENT / UNDERCARRIAGE LIGHTING

EFFICIENT & COMPACT LIGHTS

“THE *PERFECT SOLUTION FOR* COMPARTMENTS AND UNDERNEATH *YOUR APPARATUS*”



SUBAQUA UNDERCARRIAGE LIGHT FEATURES

- ▶ SOLID PIECE OF ALUMINUM, SINGLE GASKET INTERFACE
- ▶ SUBMERSIBLE UP TO 100FT.
- ▶ COMPACT 4" SIZE
- ▶ USES “PRIMARY OPTICS” WITHOUT COLLIMATORS FOR MAXIMUM LIGHT DISPERSION

HD COMPARTMENT / UNDERCARRIAGE LIGHT FEATURES



- ▶ CIRCUIT BOARD BONDED TO HOUSING
- ▶ EXCELLENT THERMAL MANAGEMENT PROFILE
- ▶ WHITE STANDARD WITH RED, BLUE, GREEN ALSO AVAILABLE
- ▶ COMPLETELY WATERPROOF
- ▶ AVAILABLE 7.5", 12", 24", 36", 48"



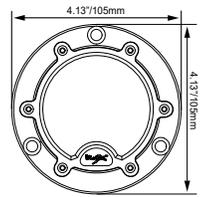
FT-AQX

SUBMERSIBLE UP TO 100'



THE LAST UNDERCARRIAGE LIGHT YOU'LL EVER PURCHASE

LEDS	6 X 3W XP-E2 (GREE)
RAW LUMENS	1,500
EFFECTIVE LUMENS	1,050
OPT. HOUSING COLORS	WHITE
OPT. BEAM PATTERNS	180° ULTRA WIDE FLOOD
WATTAGE	22W
AMP DRAW (@12V)	1.833A
INPUT VOLTAGE	9-32V DC
CONNECTOR	DEUTSCH DT04-2P
EMC APPROVAL	CISPR25 CLASS 1 / CE
VIBRATION RATING	15.6 GRMS



FT-CU-HD

AVAILABLE IN:



HD EXTRUDED ALUMINUM COMPARTMENT STRIP LIGHT

This compartment light was designed specifically to ensure proper heat transfer from the LEDs to the housing, preventing sections from burning out due to trapping the heat in epoxy encapsulation.

With the FireTech Compartment light, you will never see sections unhooking from each other, or pieces of the light going out. Mount it inside or out, we'll stand behind it forever.

- AVAILABLE IN 7.5", 12", 24", 36", 48"
- LESS THAN ONE INCH WIDE!
- GREAT FOR UNDERCARRIAGE OR COMPARTMENT

LENGTH	FT-CU-HD-
7.5	
12	
24	
36	
48	





NFPA 1917 COMPLIANCE

UNDERSTANDING THE REGULATION OF GROUND & COMPARTMENT LIGHTING

Ground / Undercarriage and Compartment lighting has been required on Automotive Fire Apparatus conforming to the NFPA 1901 standard for years. In the EMS world, this type of illumination is somewhat new to regulation, although not a new concept at all. Workplace injuries are all too common during ingress or egress from emergency vehicles. Light the stepping surfaces and ground area near the rig safely using FireTech HD Ground lights and make your gear selection faster and more accurate by illuminating the compartments!

NFPA 1917 - 7.11.5 GROUND LIGHTING

7.11.5.1

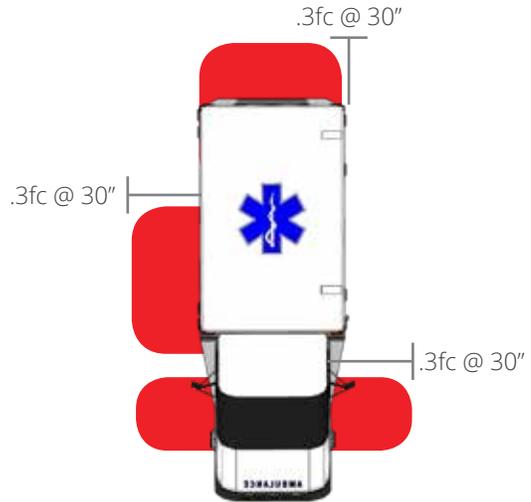
The Ambulance shall be equipped with lighting that is capable of providing illumination at a minimum level of 0.3 fc on ground areas within 30in. (800mm) of the edge of the ambulance in areas designed for personnel to climb into or onto the ambulance or descend from the ambulance to the ground level.

7.11.5.2

Lighting Designed to provide ground illumination for safe egress as described in 7.11.5.1 shall be switchable but automatically activates when the exit doors are opened.

7.11.5.3

All other ground area lighting shall be switchable.

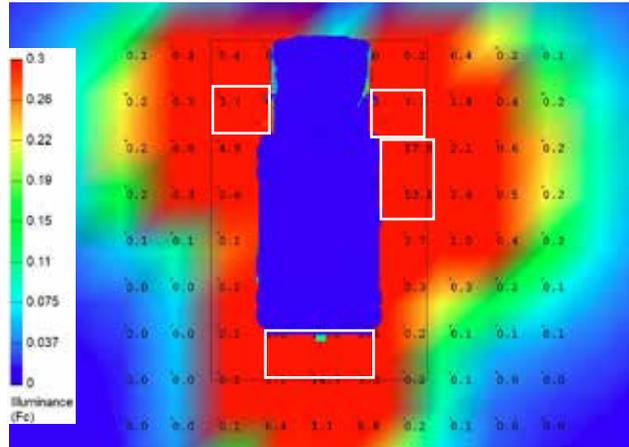


Excerpted from "7.11.5 Ground Lighting" found in NFPA 1917 "Standard For Automotive Ambulances" 2016 Edition, p. 32. ISBN: 978-145591189-9 (print) This guide is NOT an endorsement by or affiliated with NFPA, NTEA, GSA, AMD or any regulatory agency.



PHOTOMETRIC VERIFICATION

Above is a simulated ambulance outfitted with FireTech FT-AQX undercarriage lights. Using the photometric data obtained during product testing, a rendering can be produced which accurately illustrates light placement.



MEETING THE STANDARD

The scale to the right indicates anything in "red" produces at least 0.3 foot candles, the NFPA minimum. The white boxes illustrate an area 30" from the edge of the ambulance.

7.11.7.1

Each exterior storage compartment that is greater than 4ft.³ (1.2m³) and having an opening greater than 144in.² (92,900 mm²) shall have compartment lighting to provide a minimum of 1fc (10.764lx) at any location on the floor of the compartment without any shelves, dividers, or equipment in the compartment.

7.11.7.2

Compartment lighting shall be automatically enabled when the compartment door is opened and module power is on.

7.11.7.3

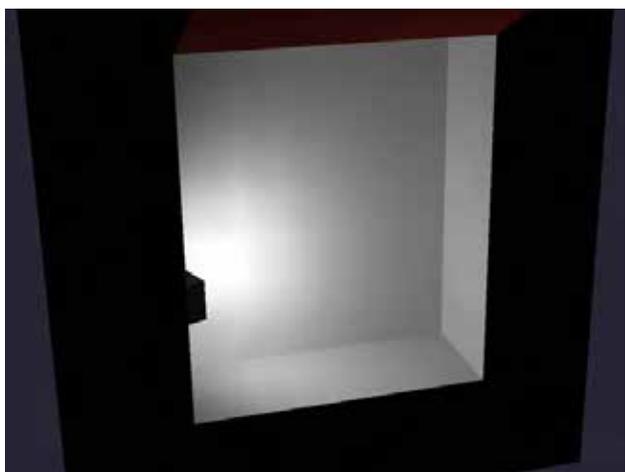
The lights shall be arranged or protected to minimize accidental breakage.

7.11.8 TESTING

All interior and exterior lights mounted in wet locations shall be tested in conformance with SAE J575. Test Methods and Equipment for Lighting Devices and Components for Use on Vehicles Less Than 2032 mm in Overall Width, and shall comply with the following performance requirements of that standard: (1) Vibration, (2) Moisture, (3) Dust, (4) Corrosion, (5) High Pressure, (6) Low Pressure, (7) Durability, (8) Warpage.

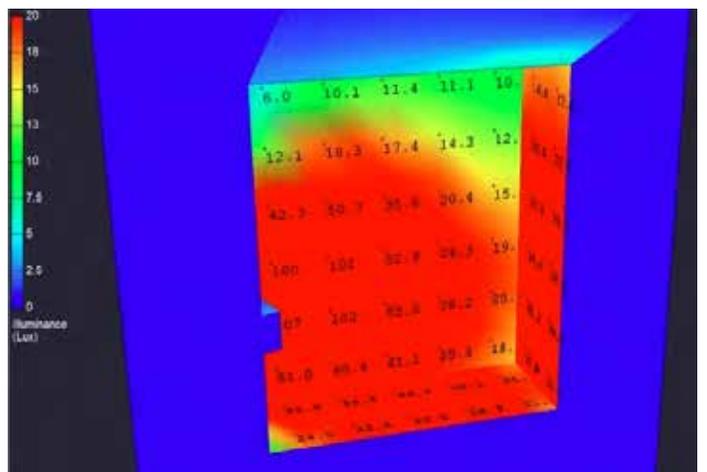
Excerpted from "7.11.7 Compartment Lighting" found in NFPA 1917 "Standard For Automotive Ambulances" 2016 Edition, p. 32. ISBN: 978-145591189-9 (print) This guide is NOT an endorsement by or affiliated with NFPA, NTEA, GSA, AMD or any regulatory agency.

Knowing the Rules:
As stated above if these compartments are greater than 4ft.³ (1.2m³) then these compartments must be lighted.



PHOTOMETRIC VERIFICATION

A simulated compartment 4ft.³ in size is drawn in the rendering engine. A FT-CU-HD12 is represented above. By selecting the smallest compartment light for testing, we can ensure the full range meets the photometric requirements.



MEETING THE STANDARD

The scale in this photo is set such that any area represented in green, yellow, orange, or red will meet the minimum standard as outlined in NFPA 1917 7.11.7.1



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