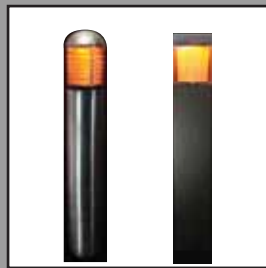




1254

TWELVE FIFTY FOUR INDUSTRIES

AMBER LIGHTING



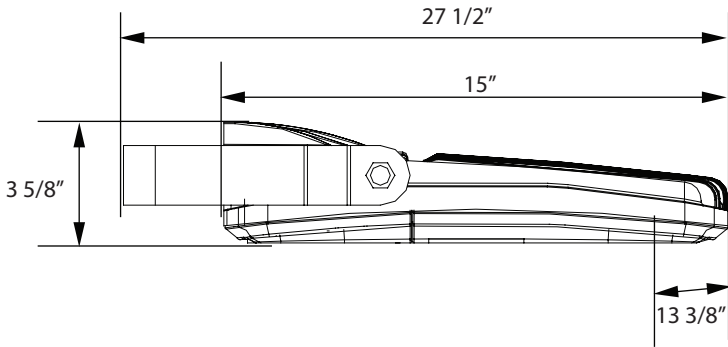
HELPS WITH THE CONSERVATION OF SEA TURTLES

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TWELVE FIFTY FOUR INDUSTRIES

12FX-FAL-Q25-ALED-AL
FALCON
AMBER AREA LIGHT

- Used in wildlife and security applications
- Variety of luminaires for low-level glare-controlled Amber output
- Available with house side/ glare shield for directional control
- LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection



The LEPA AmberLED luminaire is available in two wattages with a wide choice of mounting configurations and IES Type V distribution designed to replace HID lighting systems from 150w to 400w MH or HPS for wildlife security applications requiring monochromatic AMBER light. LED's operate between 585 and 595 n, greater than 560nm required for wildlife protection. Typical area lighting applications include retail centers, industrial parks, schools and universities, office buildings and medical facilities. Mounting heights of 14 to 25 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS & FEATURES:

- Housing:**
 - Die Cast Aluminum Housing and Front Frame
 - Integral Heat Sinking and Driver Compartment
 - Photocell Adaptable
 - Nickel-Plated Stainless Steel Hardware
- Listing and Rating:**
 - CSA: Listed for Wet Locations
 - ANSI/UL 1598, 8750
 - IP65 Sealed LED Compartment
- Finish:**
 - Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating
 - Custom Colors Available Upon Request
- Lens:**
 - Tempered Clear Flat Glass Lens or Tempered Clear Flat Prismatic Glass Lens
- Driver:**
 - Electronic Driver
 - 120-277v
 - 50/60Hz
 - Dimmable Driver
- Wattage:**
 - 81w Array: 81w, System: 81.5w (150-250w HID Equivalent)
 - 112w: Array: 112w, System: 119.3w (250-400w HID Equivalent)
- Mounting Options:**
 - Shown with Falcon Arm Mount
 - Other Mounting Options Available (See Below)



Falcon Arm



Pole Mounting Arm Adaptor



Yoke



Slipfitter



Two-Piece Swivel Bracket



Easy-Hang Bracket

LED Board Watts	Drive Current (mA)	Input Watts	Optics	LPW	B	U	G
AmberLED 81w	525	82	Type V	32	1	2	0
AmberLED 121w	525	119	Type V	32	2	2	1

Order Example: 12FX-AAL-QS3-LED-F-81-U-AM-P-Z-A-SF

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
12FX-AAL-QS3-LED-								

Order Description

Model	Optics	Wattage	Driver	CCT	Lens	Color	Mounting	Options
12FX-AAL-QS3-LED	F = Type V	81 = 81w 112 = 112w	U = 120-277v	AM = Amber	C = Clear Flat Glass Lens P = Clear Flat Prismatic Glass Lens	Z = Bronze C = Custom (consult factory)	A = Falcon Arm SF = Slipfitter MA = Mounting Adapter Y = Yoke BR = Two-Piece Swivel Bracket EH = Easy Hang Wall Bracket NM = No Mount	SF = Single Fuse DF = Double Fuse SP = Surge Protection M1 = Motion Sensor; IR for Mounting heights of 20ft to 35ft M2 = Motion Sensor; IR for Mounting heights of 18ft or less R3 = 3-Pin Twist Lock Photocell Receptacle R7 = 7-Pin ANSI C136.41-2013 Twist Lock Photocell Receptacle



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TWELVE FIFTY FOUR INDUSTRIES

12FX-FAL-Q25-ALED-AL
FALCON
AMBER AREA LIGHT

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 81w	525	82	Type V	2,607	32	1	2	0
AmberLED 112w	525	119	Type V	3,834	32	2	2	1

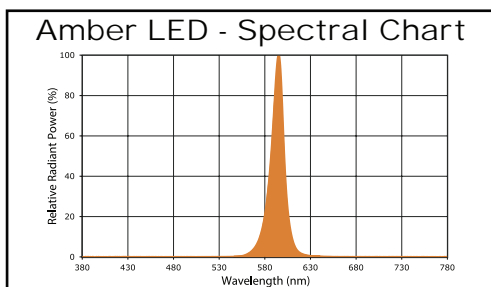
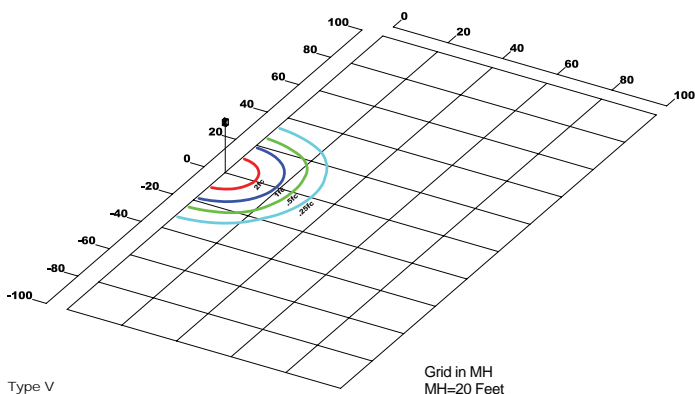
Projected Lumen Maintenance

Data shown for Amber LEDs		Compare to MH					
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	82	1.00	0.98	0.97	0.93	429,000	
L70 Lumen Maintenance @ 25°C / 77°F	119	1.00	0.98	0.95	0.91	320,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	82	1.00	0.97	0.94	0.88	259,000	
L70 Lumen Maintenance @ 50°C / 122°F	119	1.00	0.95	0.89	0.79	141,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	82	1.00	0.97	0.95	0.90	195,000	
L80 Lumen Maintenance @ 40°C / 104°F	119	1.00	0.96	0.93	0.85	134,000	

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

Photometric Data

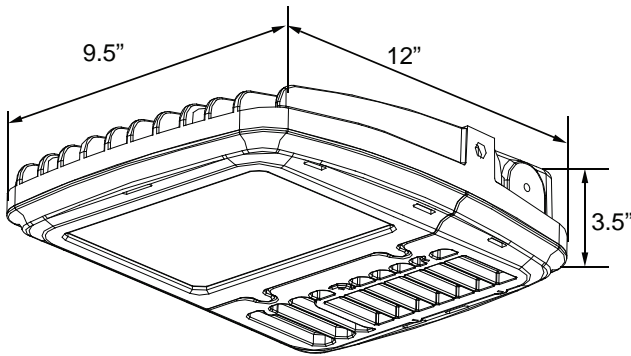


1254

TWELVE FIFTY FOUR INDUSTRIES

12FX-FAL-Q15-ALED-MAL
FALCON
MINI AMBER AREA LIGHT

- Used in wildlife and security applications
- Variety of luminaries for low-level glare-controlled Amber output
- Available with house side/ glare shield for directional control
- LEDs operate between 585 and 595nm, greater than 560nm required for wildlife protection



The Amber LED luminaire is available in two wattages with a wide choice of mounting configurations and IES Type V distribution designed to replace HID lighting systems from 150w to 400w MH or HPS for wildlife security applications requiring monochromatic AMBER light. LED's operate between 585 and 595 n, greater than 560nm required for wildlife protection. Typical area lighting applications include retail centers, industrial parks, schools and universities, office buildings and medical facilities. Mounting heights of 14 to 25 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS & FEATURES:

- | | |
|----------------------------|--|
| Housing: | <ul style="list-style-type: none"> ▪ Die Cast Aluminum Housing and Front Frame ▪ Integral Heat Sinking and Driver Compartment ▪ Powdercoat finish over a chromate conversion coating ▪ Photocell adaptable |
| Listing and Rating: | <ul style="list-style-type: none"> ▪ CE: Listed for Wet Locations ▪ IP66 Sealed LED Compartment |
| Finish: | <ul style="list-style-type: none"> ▪ Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating ▪ Custom Colors Available Upon Request |
| Lens: | <ul style="list-style-type: none"> ▪ Tempered Clear Flat Glass Lens or Tempered Clear Flat Prismatic Glass Lens |
| AmberLED: | <ul style="list-style-type: none"> ▪ Delivered Lumens: 1,159 (22w) 1,738 (37w) ▪ Amber LED: 585-595 nm ▪ Rated Life: 320,000 Hours ▪ Aluminum Boards |
| Driver: | <ul style="list-style-type: none"> ▪ Electronic Driver ▪ 120-277v ▪ 50/60Hz ▪ Dimmable Driver |
| Wattage: | <ul style="list-style-type: none"> ▪ 22w: Array: 22w, System: 25.4w ▪ 37w: Array: 37w, System: 38.2w |
| Mounting Options: | <ul style="list-style-type: none"> ▪ Shown with Falcon Arm Mount ▪ Other Mounting Options Available (See Below) |



Falcon Arm



Pole Mounting Arm Adaptor



Yoke



Slipfitter



Two-Piece Swivel Bracket



Easy-Hang Bracket

Order Example: 12FX-FAL-QS3-ALED-AL-F-81-U-AM-P-Z-A-SF

Model	Optics	Arrays	Wattage	CCT	Lens	Color	Mounting	Options
12FX-FAL-QS3-ALED-AL								



Order Description

Model	Optics	Arrays	Wattage	CCT	Lens	Color	Mounting	Options
12FX-FAL-QS3-ALED-AL	F = Type V	1x = One	22 = 22w 37 = 37w	AM = Amber	C = Clear Flat Glass Lens P = Clear Flat Prismatic Glass Lens	GP = Graphite B = Black W = White G = Grey Z = Bronze (consult factory)	A = Falcon Arm SF = Slipfitter MA = Mounting Adapter Y = Yoke BR = Two-Piece Swivel Bracket EH - Easy Hang Wall Bracket NM = No Mount	SF = Single Fuse DF = Double Fuse SP = Surge Protection AH1 = Accessory Housing



TWELVE FIFTY FOUR INDUSTRIES

12FX-FAL-Q15-ALED-MAL
FALCON
MINI AMBER AREA LIGHT

Photometric Performance

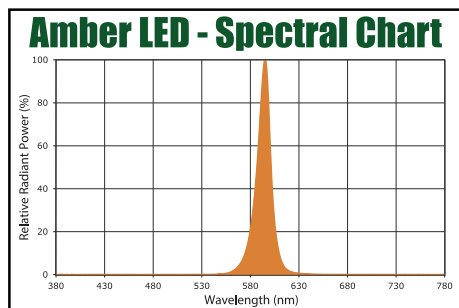
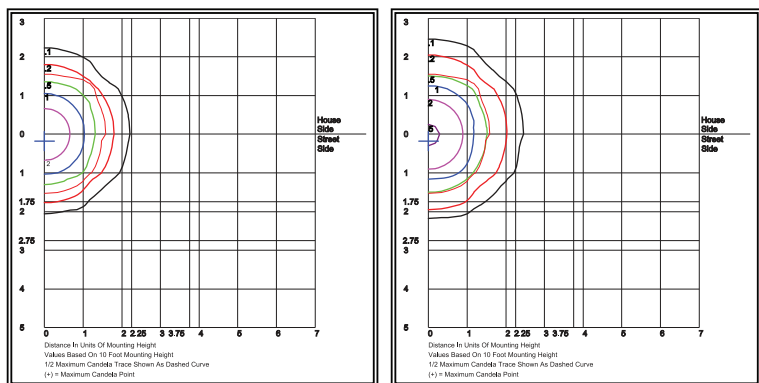
LED Board Watts	Drive Current (mA)	Input Watts	Optics	5000 CCT 80 CRI					4000 CCT 80 CRI				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
EasyLED 22w	525	24	Type III	2,875	116	1	0	1	2,681	108	1	0	1
			Type V	2,742	111	1	0	0	2,557	103	1	0	0
EasyLED 37w	525	43	Type III	4,834	118	1	0	1	4,508	110	1	0	1
			Type V	4,611	113	2	0	0	4,300	105	2	0	0

Projected Lumen Maintenance

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	24	1.00	0.98	0.97	0.93	429,000
L70 Lumen Maintenance @ 25°C / 77°F	43	1.00	0.98	0.95	0.91	320,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	24	1.00	0.97	0.94	0.88	259,000
L70 Lumen Maintenance @ 50°C / 122°F	43	1.00	0.95	0.89	0.79	141,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	24	1.00	0.97	0.95	0.90	195,000
L80 Lumen Maintenance @ 40°C / 104°F	43	1.00	0.96	0.93	0.85	134,000

- NOTES:
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

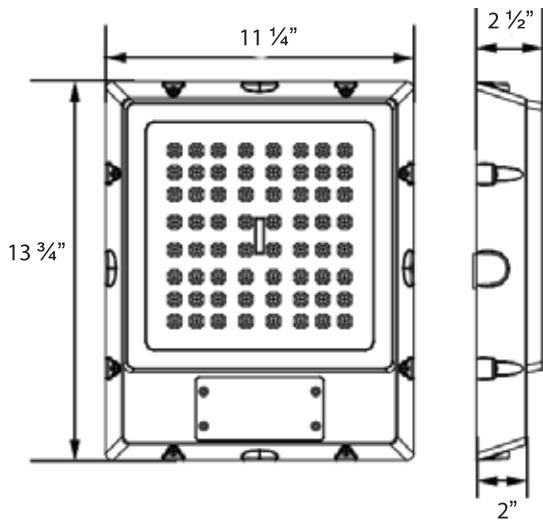
Photometric Data



1254

TWELVE FIFTY FOUR INDUSTRIES

12FX-Q55-ALED-AGL AMBER LED GARAGE LIGHTER



The LEPG AmberLED garage luminaire with optional integral sensor is available in two wattages with an IES Type V distribution designed to replace HID lighting systems up to 175w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. Typical parking garage applications include retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 14 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS & FEATURES:

- Housing:**
 - Low Profile Die Cast Aluminum Housing
 - 1/2" coin plugs with O-rings for conduit or External Sensor
 - Built-in Sensor Housing with Color-Matched Polycarbonate Cover
 - A Clear cover will be provided when a sensor is ordered
- Listing and Rating:**
 - CSA: Listed for Wet Locations
 - IP65 Sealed LED Compartment
 - ANSI/UL 1598,8750
- Finish:**
 - Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating
 - Custom Colors Available Upon Request
- Lens:**
 - Molded UV-Resistant Acrylic Optical Lens Designed for Garage Lighting Applications
- AmberLED:**
 - Aluminum Boards
- Driver:**
 - Electronic Driver
 - 120-277v
 - 50/60Hz
 - Dimmable Driver
- Wattage:**
 - 39w: Array 39w, System 43.4w
 - 52w: Array: 52w, System: 57.2w (Up to 175w HID Equivalent)
- Mounting Options:**
 - Included Easy-Hang Bracket fits standard 4" Electrical Box
 - One-Person Installation
 - Optional Quick-Mount / Pendant Bracket Available



Order Example: 12FX-Q55-ALED-AGL-V-22-U-AM-Z-PC1

Model	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q55-ALED-AGL						

Order Description

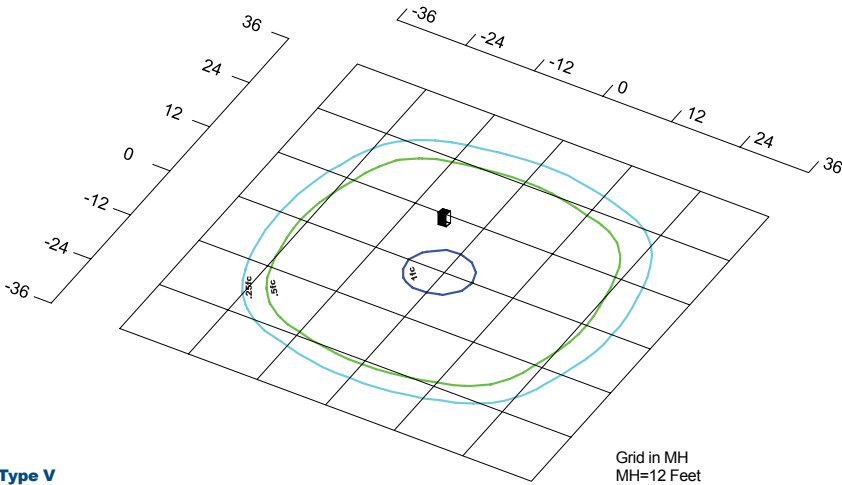
Model	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q55-ALED-AGL	F = Type V	22 = 22w 37 = 37w	U = 120-277V	AM = Amber	W = White Z = Bronze C = Custom	SF = Single Fuse DF = Double Fuse SP = Surge Protection PC1 = Photocell, 120VAC PC2 = Photocell, 250-305VAC S2 = Internal Microwave Sensor with Dimming for Mounting Heights of 15' or Less QM = Quick Mount/ Pendant Mount BU = Battery Backup, 90 Minutes

1254

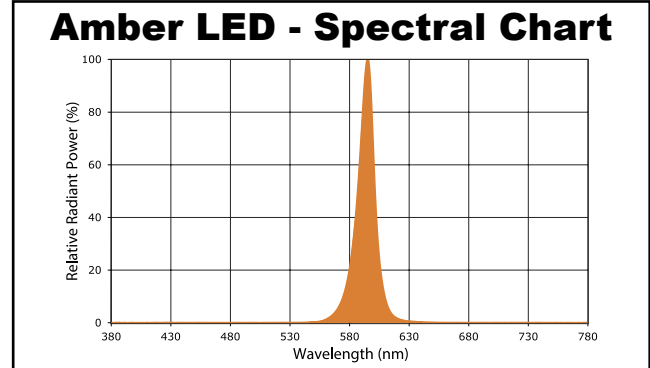
TWELVE FIFTY FOUR INDUSTRIES

12FX-Q55-ALED-AGL
AMBER LED GARAGE LIGHTER

Photometric Data



Type V



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	AmberLEDs				
				Lumens	LPW	B	U	G
AmberLED 39w	117	43	Type V	1,877	43	1	1	0
AmberLED 52w	117	57	Type V	2,292	40	2	2	1

Projected Lumen Maintenance

Data shown for AmberLED		Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	57	1.00	0.97	0.93	0.86	219,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	57	1.00	0.96	0.91	0.82	114,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	57	1.00	0.95	0.89	0.78	93,000

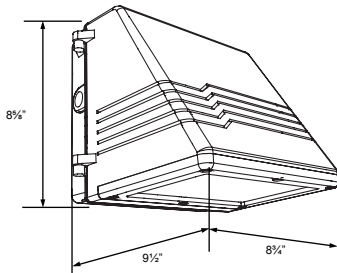
NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 117mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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TWELVE FIFTY FOUR INDUSTRIES

12FX-Q12-ALED-MWP SMALL WALL PACK LIGHT



The LEPG AmberLED cut-off wall pack luminaire is available in an IES Type V distribution designed to replace HID lighting systems 175w to 250 MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, office buildings and medical facilities. Mounting heights of 12 to 18 feet can be used based on light level and uniformity requirements

SPECIFICATIONS & FEATURES:

- | | |
|----------------------------|--|
| Housing: | <ul style="list-style-type: none"> Die Cast Hinged and Gasketed Aluminum Front Frame and Housing 1/2" coin plugs Nickel -Plated Stainless Steel Hardware Photocell Adaptable |
| Listing and Rating: | <ul style="list-style-type: none"> CSA: Listed for Wet Locations IP55 Sealed LED Compartment ANSI/UL 1598,8750 |
| Finish: | <ul style="list-style-type: none"> Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating Custom Colors Available Upon Request |
| Lens: | <ul style="list-style-type: none"> Tempered Clear Flat Glass Lens or Tempered Clear Flat Prismatic Glass Lens |
| AmberLED: | <ul style="list-style-type: none"> Aluminum Boards |
| Driver: | <ul style="list-style-type: none"> Electronic Driver 120-277v 50/60Hz Dimmable Driver |
| Wattage: | <ul style="list-style-type: none"> 22w: Array, System 24.8w 175w HID Equivalent |
| Mounting Options: | <ul style="list-style-type: none"> Cast-in Template for Mounting Directly over a 4" Recessed Outlet Box Use 1/2" Surface Conduit |

Order Example: 12FX-Q12-ALED-MWP-V-37-U-AM-Z-PC1

Model	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q12-ALED-MWP						

Order Description

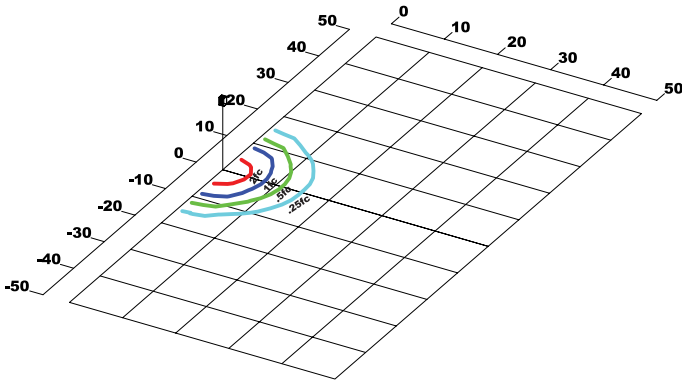
Model	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q12-ALED-MWP	F = Type V	37 = 37w	U = 120-277V	AM = Amber	Z = Bronze C = Custom	SF = Single Fuse DF = Double Fuse SP = Surge Protection PC1 = Photocell, 120VAC PC2 = Photocell, 250-305VAC BU = Battery Backup, 90 Minutes

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TWELVE FIFTY FOUR INDUSTRIES

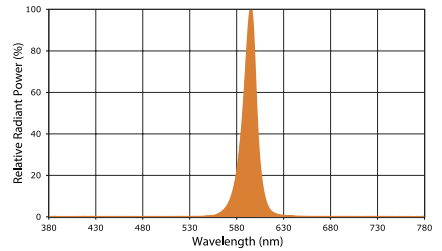
12FX-Q12-ALED-MWP
SMALL WALL PACK LIGHT

Photometric Data



Type V
Grid in MH
MH=10 Feet

Amber LED - Spectral Chart



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 22w	525	25	Type V	794	32	0	1	0

Projected Lumen Maintenance

Data shown for Amber LEDs		Compare to MH					
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	25	1.00	0.96	0.92	0.85	196,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	25	1.00	0.93	0.86	0.73	110,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	25	1.00	0.94	0.88	0.76	84,000	

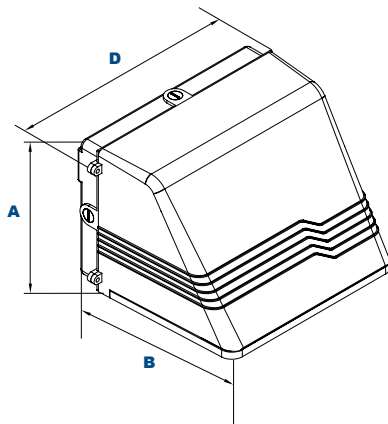
NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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TWELVE FIFTY FOUR INDUSTRIES

12FX-Q15-ALED-MWP MEDIUM WALL PACK LIGHT



SPECIFICATIONS & FEATURES:

- | | |
|----------------------------|--|
| Housing: | <ul style="list-style-type: none"> Die Cast Hinged and Gasketed Aluminum Front Frame and Housing 1/2" coin plugs Nickel -Plated Stainless Steel Hardware Photocell Adaptable |
| Listing and Rating: | <ul style="list-style-type: none"> CSA: Listed for Wet Locations IP55 Sealed LED Compartment ANSI/UL 1598,8750 |
| Finish: | <ul style="list-style-type: none"> Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating Custom Colors Available Upon Request |
| Lens: | <ul style="list-style-type: none"> Tempered Clear Flat Glass Lens or Tempered Clear Flat Prismatic Glass Lens |
| AmberLED: | <ul style="list-style-type: none"> Aluminum Boards |
| Driver: | <ul style="list-style-type: none"> Electronic Driver 120-277v 50/60Hz Dimmable Driver |
| Wattage: | <ul style="list-style-type: none"> 39w: Array 39w, System 43.4w 52w: Array: 52w, System: 57.2w (Up to 175w HID Equivalent) |
| Mounting Options: | <ul style="list-style-type: none"> Cast-in Template for Mounting Directly over a 4" Recessed Outlet Box Use 1/2" Surface Conduit |

The LEPA AmberLED cut-off wall pack luminaire is available in an IES Type V distribution designed to replace HID lighting systems 175w to 250 MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. Typical wall mounted lighting applications include retail centers, industrial parks, schools and universities, office buildings and medical facilities. Mounting heights of 12 to 18 feet can be used based on light level and uniformity requirements

Order Example: 12FX-Q15-ALED-MWP-V-37-U-AM-Z-PC1

Model	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q15-ALED-MWP						

Order Description

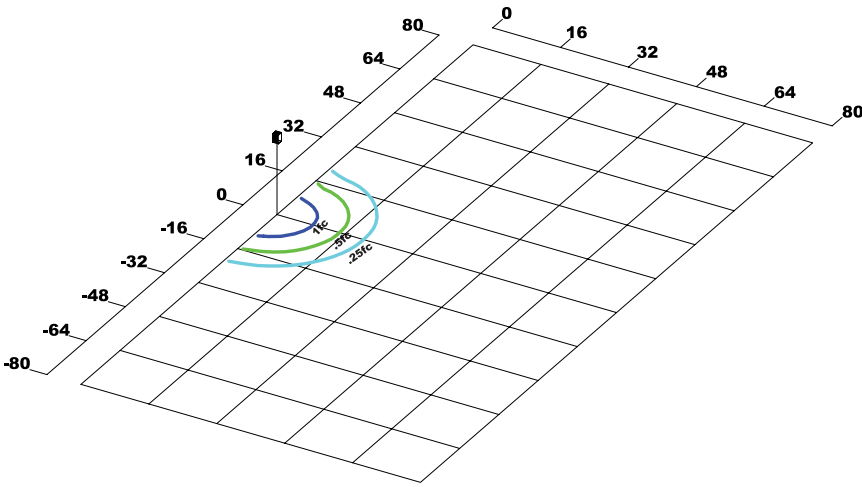
Model	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q15-ALED-MWP	F = Type V	37 = 37w	U = 120-277V	AM = Amber	Z = Bronze C = Custom	SF = Single Fuse DF = Double Fuse SP = Surge Protection PC1 = Photocell, 120VAC PC2 = Photocell, 250-305VAC BU = Battery Backup, 90 Minutes

1254

TWELVE FIFTY FOUR INDUSTRIES

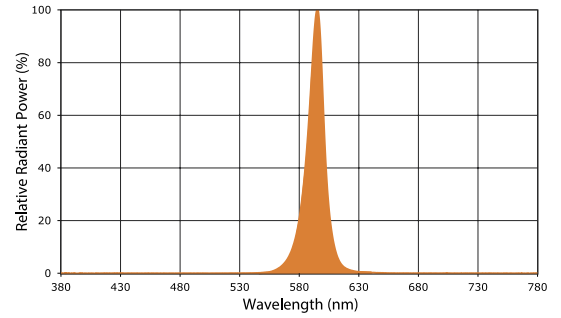
12FX-Q15-ALED-MWP
MEDIUM WALL PACK LIGHT

Photometric Data



Type V
Grid in MH
MH=16 Feet

Amber LED - Spectral Chart



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 37w	525	40	Type V	1,279	32	1	1	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C
L70 Lumen Maintenance @ 25°C / 77°F	40	1.00	0.96	0.93	0.86	213,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C
L70 Lumen Maintenance @ 50°C / 122°F	40	1.00	0.93	0.87	0.73	113,000
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C
L80 Lumen Maintenance @ 40°C / 104°F	40	1.00	0.95	0.89	0.78	91,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

1254

TWELVE FIFTY FOUR INDUSTRIES

12FX-Q53-ALED-VP
AMBER LED VAPORPROOF



SPECIFICATIONS & FEATURES:

- Housing:**
 - Heavy Duty Die Cast Aluminum Housing with Integral Heat Sinking
 - 3/4" NPS Threaded Mounts

- Listing and Rating:**
 - CSA: Listed for Wet Locations
 - IP66 Sealed LED Compartment
 - ANSI/UL 1598,8750

- Finish:**
 - Smooth Powdercoat Finish over a Chromate Conversion Coating
 - Custom Colors Available Upon Request

- Lens:**
 - Flat Clear Tempered Glass

- AmberLED:**
 - Aluminum Boards

- Driver:**
 - Electronic Driver
 - 120-277v
 - 50/60Hz
 - Dimmable Driver

- Wattage:**
 - Array: 22w, System: 27w
 - (175w HID Equivalent)

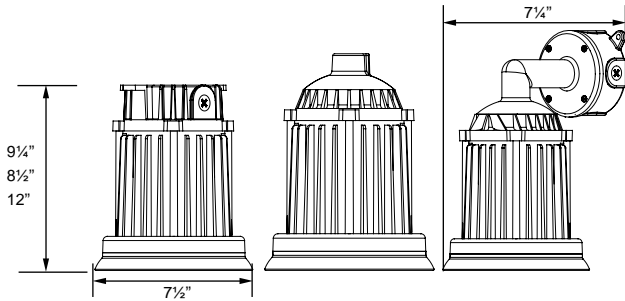
- Mounting Options:**
 - Pendant Mount
 - Surface Mount
 - Wall or Ceiling
 - Gooseneck



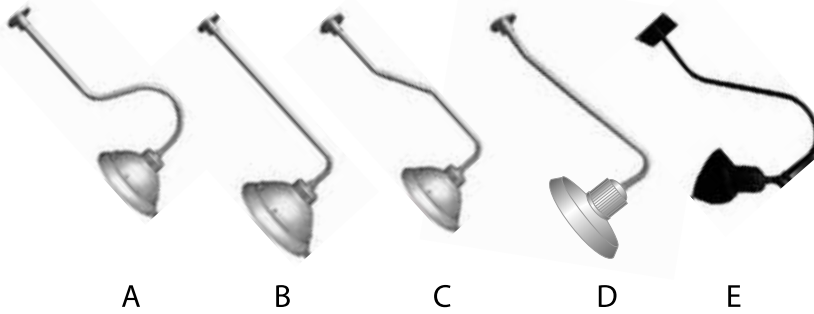
BOX MOUNT

PENDANT OR GOOSENECK MOUNT

WALL MOUNT



GOOSENECK OPTIONS:



A

B

C

D

E

The LEPA AmberLED LEDicated Vaporproof fixtures with a choice of mounting configurations are designed to replace HID lighting systems up to 175w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. This vapor resistant fixture can withstand extreme physical and environmental abuse and is ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 8 to 14 feet can be used based on light level and uniformity requirements.

SHADE OPTIONS:



AS = ANGLE SHADE

SS = STRAIGHT SHIELD

Order Example: 12FX-Q53-ALED-VP-P-B-AS-F-23-U-AM-P-DF

Model	Mount Style	Gooseneck Options	Shade Options	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q53-ALED-VP									

Order Description

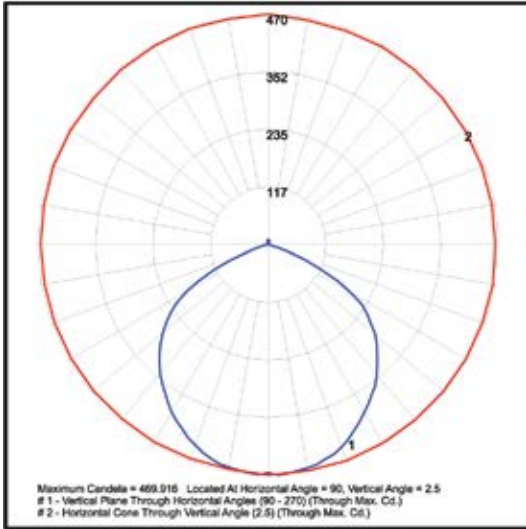
Model	Mount Style	Gooseneck Options	Shade Options	Optics	Wattage	Driver	CCT	Color	Options
12FX-Q53-ALED-VP	B = Box Mount (8 1/2") P = Pendant Mount (9 1/2") W = Wall Mount (12") G = Gooseneck	A B C D E	AS = Angle Shade SS = Straight Shade	F = Type V	23 - 23w	U = 120-277V	AM = Amber	P = Platinum C = Custom (Consult Factory)	SF = Single Fuse DF = Double Fuse

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TWELVE FIFTY FOUR INDUSTRIES

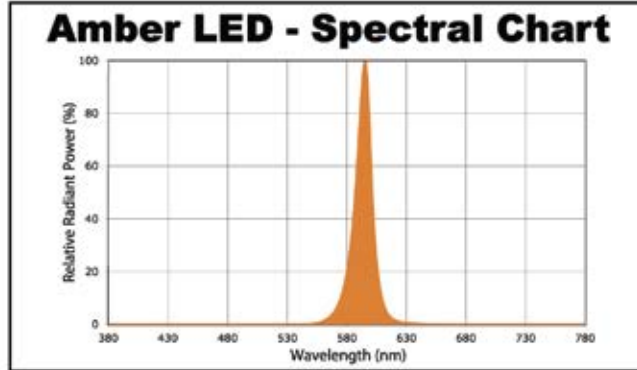
12FX-Q53-ALED-VP
AMBER LED VAPORPROOF

Photometric Data



VP53QF1X23UAM
Type V

Grid in MH
MH=10 Feet



Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 23w	116	27	Type V	1,194	45	1	2	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	27	1.00	0.96	0.92	0.84	187,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	27	1.00	0.93	0.86	0.72	107,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	27	1.00	0.94	0.88	0.76	82,000	

NOTES:

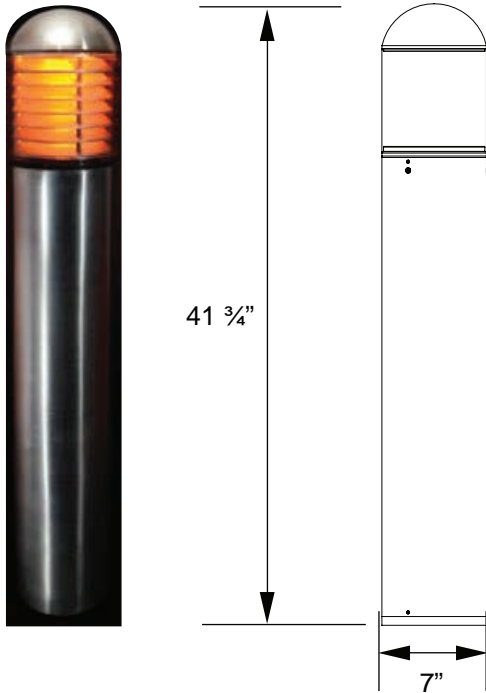
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-DBRA-QBOR-SS-ALED

The AmberLED Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.



SPECIFICATIONS & FEATURES:

- | | |
|----------------------------|--|
| Housing: | <ul style="list-style-type: none"> Formed 316L Stainless Steel Housing w/ Flush Mounting Base Vandal Resistant Screws Domed Top Internal Ballast Tray for Easy Maintenance Bollards can be cut to custom lengths upon request |
| Listing and Rating: | <ul style="list-style-type: none"> CSA: Listed for Wet Locations ANSI/UL 1598, 8750 IP65 Sealed LED Compartment |
| Finish: | <ul style="list-style-type: none"> Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating Custom Colors Available Upon Request |
| Lens: | <ul style="list-style-type: none"> Clear Polycarbonate Vandal-Resistant Lens |
| AmberLED | <ul style="list-style-type: none"> Aluminum Boards |
| Mounting Options: | <ul style="list-style-type: none"> Mounting Kit with 8" Anchor Bolts, Included |
| Wattage: | <ul style="list-style-type: none"> Array: 14.5w System: 17w (70w HID Equivalent) |
| Driver: | <ul style="list-style-type: none"> Electronic Driver 120-277v 50/60Hz Dimmable Driver |
| Style: | <ul style="list-style-type: none"> Specially Designed Aluminum Cone Reflector Internal Louvers |



LED Cone Reflector



Round Louvers



Order Example: 12BOL-DBRA-QBOR-SS-ALED-L-42-F-15-U-AM-B-SF

Model
12BOL-DBRA-QBOR-SS-ALED-

Style	Height	Optics	Wattage	Driver	CCT	Color	Options

Order Description

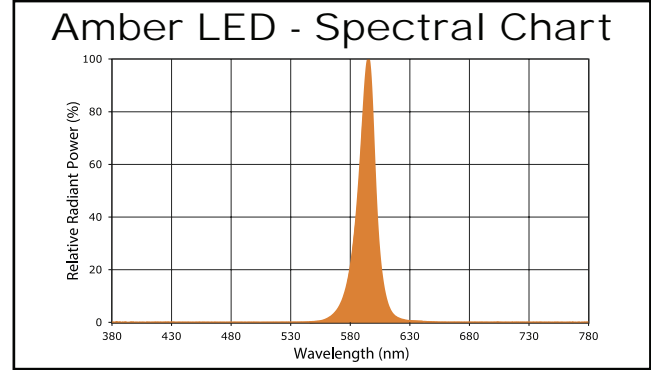
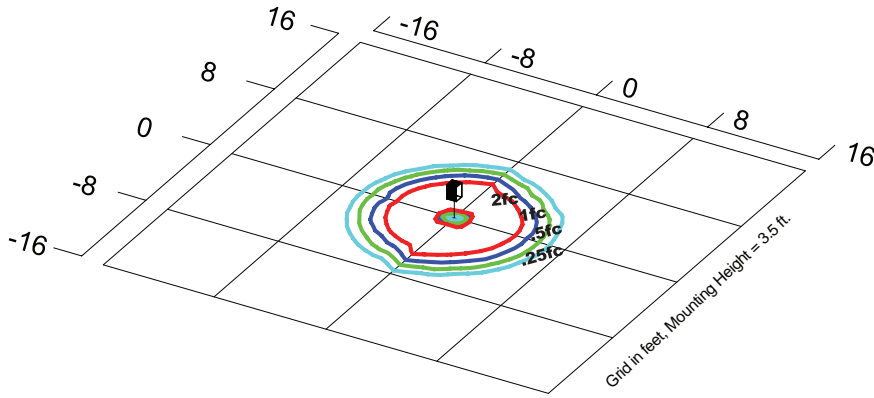
Model	Style	Height	Optics	Wattage	Driver	CCT	Color	Options
12BOL-DBRA-QBOR-SS-ALED	C = Cone Reflector	42 = 42"	F = Wide Beam	15 = 15w	U = 120-277V	AM = Amber	Z = Bronze	SF = Single Fuse
	L = Louvers	36 = 36"					B = Black	DF = Double Fuse
	3 = Type III	30 = 30"					C = Custom	SP = Surge Protection
	5 = Type V							BU = Battery Backup

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-DBRA-QBOR-SS-ALED

Photometric Data



Type V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 15w	116	17	BOG3 Type III Glass	277	16	0	2	0
			BOG5 Type V Glass	272	16	0	2	0
			BOL Louvers	187	11	0	1	0
			BORL Cone Reflector	360	21	0	2	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000	

NOTES:

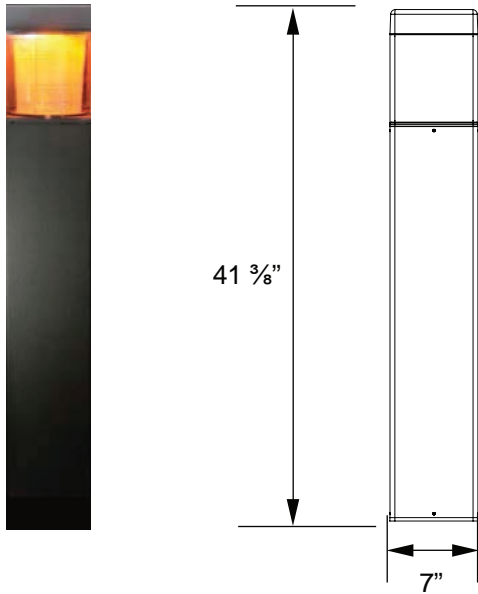
1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-FBSA-QBOS-ALED

The AmberLED Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.



SPECIFICATIONS & FEATURES:

- Housing:**
 - Extruded Aluminum Housing with Flush Mounting base
 - Vandal Resistant Screws
 - Flat Top
 - Internal Ballast Tray for Easy Maintenance
 - Bollards can be cut to custom lengths upon request

- Listing and Rating:**
 - CSA: Listed for Wet Locations
 - ANSI/UL 1598, 8750
 - IP65 Sealed LED Compartment

- Finish:**
 - Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating
 - Custom Colors Available Upon Request

- Lens:**
 - Clear Polycarbonate Vandal-Resistant Lens

- AmberLED**
 - Aluminum Boards

- Mounting Options:**
 - Mounting Kit with 8" Anchor Bolts, Included

- Wattage:**
 - Array: 14.5w
 - System: 17w (70w HID Equivalent)

- Driver:**
 - Electronic Driver
 - 120-277v
 - 50/60Hz
 - Dimmable Driver

- Style:**
 - IES Type III or V Clear Prismatic Borosilicate Glass Refractor
 - Specially Designed Aluminum Cone Reflector
 - Internal Louvers



IES Type III & V Glass



LED Cone Reflector



Square Louvers



Order Example: 12BOL-FBSA-QBOS-ALED-L-42-F-15-U-AM-B-SF

Model
12BOL-FBSA-QBOS-ALED-

Style	Height	Optics	Wattage	Driver	CCT	Color	Options

Order Description

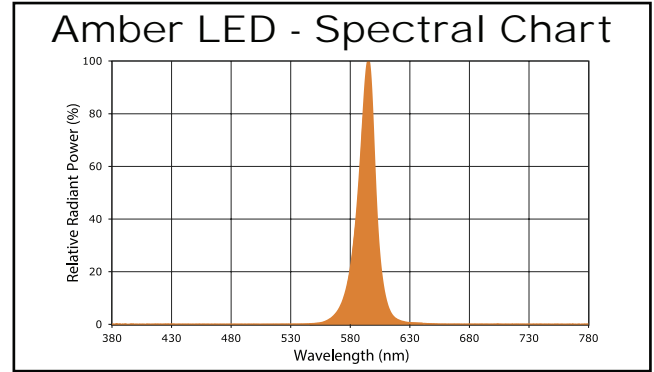
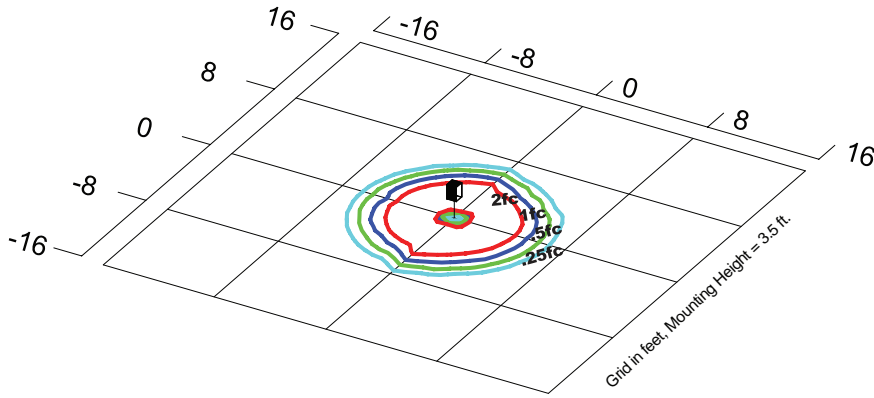
Model	Style	Height	Optics	Wattage	Driver	CCT	Color	Options
12BOL-FBSA-QBOS-ALED	C = Cone Reflector	42 = 42"	F = Wide Beam	15 = 15w	U = 120-277V	AM = Amber	Z = Bronze	SF = Single Fuse
	L = Louvers	36 = 36"					B = Black	DF = Double Fuse
	3 = Type III	30 = 30"					C = Custom	SP = Surge Protection
	5 = Type V							BU = Battery Backup

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-FBSA-QBOS-ALED

Photometric Data



Type V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 15w	116	17	BOG3 Type III Glass	277	16	0	2	0
			BOG5 Type V Glass	272	16	0	2	0
			BOL Louvers	187	11	0	1	0
			BORL Cone Reflector	360	21	0	2	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000	

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-DBRA-QBOR-ALED

The AmberLED Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

SPECIFICATIONS & FEATURES:

- Housing:**
 - Extruded Aluminum Housing with Flush Mounting base
 - Vandal Resistant Screws
 - Domed Top
 - Internal Ballast Tray for Easy Maintenance
 - Bollards can be cut to custom lengths upon request

- Listing and Rating:**
 - CSA: Listed for Wet Locations
 - ANSI/UL 1598, 8750
 - IP65 Sealed LED Compartment

- Finish:**
 - Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating
 - Custom Colors Available Upon Request

- Lens:**
 - Clear Polycarbonate Vandal-Resistant Lens

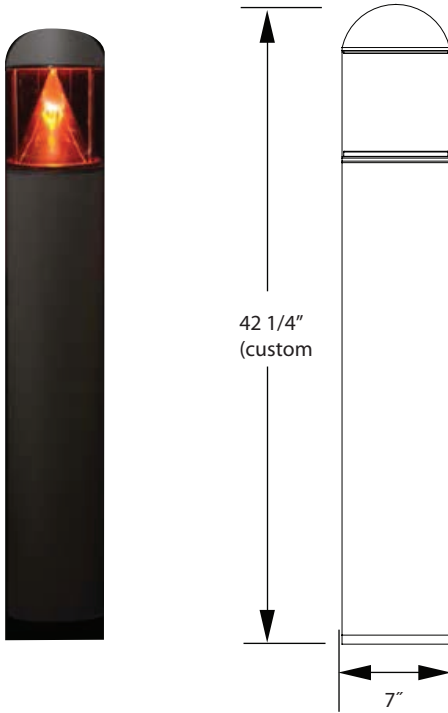
- AmberLED**
 - Aluminum Boards

- Mounting Options:**
 - Mounting Kit with 8" Anchor Bolts, Included

- Wattage:**
 - Array: 14.5w
 - System: 17w (70w HID Equivalent)

- Driver:**
 - Electronic Driver
 - 120-277v
 - 50/60Hz
 - Dimmable Driver

- Style:**
 - IES Type III or V Clear Prismatic Borosilicate Glass Refractor
 - Specially Designed Aluminum Cone Reflector
 - Internal Louvers



LED Cone Reflector



Louvers



IES Type III & V Glass



Order Example: 12BOL-DBRA-QBOR-ALED-L-42-F-15-U-AM-B-SF

Model
12BOL-DBRA-QBOR-ALED-

Style	Height	Optics	Wattage	Driver	CCT	Color	Options

Order Description

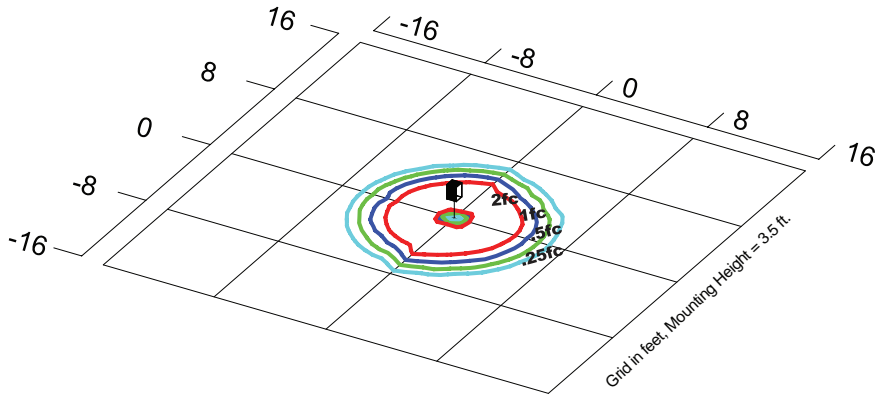
Model	Style	Height	Optics	Wattage	Driver	CCT	Color	Options
12BOL-DBRA-QBOR-ALED	C = Cone Reflector	42 = 42"	F = Wide Beam	15 = 15w	U = 120-277V	AM = Amber	Z = Bronze	SF = Single Fuse
	L = Louvers	36 = 36"					B = Black	DF = Double Fuse
	3 = Type III	30 = 30"					C = Custom	SP = Surge Protection
	5 = Type V							BU = Battery Backup

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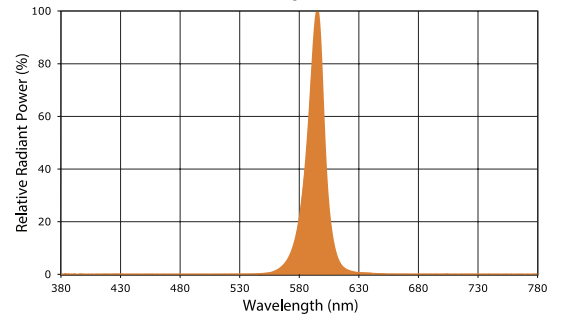
TWELVE FIFTY FOUR INDUSTRIES

12BOL-DBRA-QBOR-ALED

Photometric Data



Amber LED - Spectral Chart



Type V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 15w	116	17	BOG3 Type III Glass	277	16	0	2	0
			BOG5 Type V Glass	272	16	0	2	0
			BOL Louvers	187	11	0	1	0
			BORL Cone Reflector	360	21	0	2	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000	

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-FBRA-QBOF-ALED

The AmberLED Bollards with choice of optics are designed to replace HID lighting systems up to 70w MH or HPS for wildlife or security applications requiring monochromatic AMBER light. LEDs operate between 585 and 595 nm, greater than 560nm required for wildlife protection. These fixtures are ideal for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

SPECIFICATIONS & FEATURES:

- Housing:**
- Extruded Aluminum Housing with Flush Mounting base
 - Vandal Resistant Screws
 - Flat Top
 - Internal Ballast Tray for Easy Maintenance
 - Bollards can be cut to custom lengths upon request

- Listing and Rating:**
- CSA: Listed for Wet Locations
 - ANSI/UL 1598, 8750
 - IP65 Sealed LED Compartment

- Finish:**
- Textured Architectural Bronze or Black Powdercoat Finish over a Chromate Conversion Coating
 - Custom Colors Available Upon Request

- Lens:**
- Clear Polycarbonate Vandal-Resistant Lens

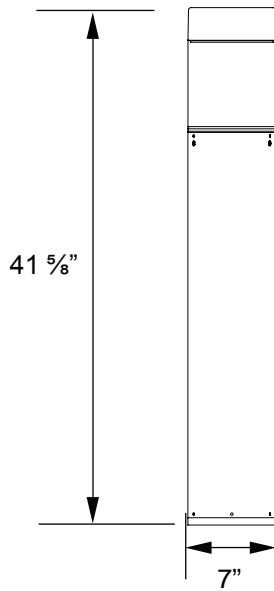
- AmberLED**
- Aluminum Boards

- Mounting Options:**
- Mounting Kit with 8" Anchor Bolts, Included

- Wattage:**
- Array: 14.5w
 - System: 17w (70w HID Equivalent)

- Driver:**
- Electronic Driver
 - 120-277v
 - 50/60Hz
 - Dimmable Driver

- Style:**
- IES Type III or V Clear Prismatic Borosilicate Glass Refractor
 - Specially Designed Aluminum Cone Reflector
 - Internal Louvers



IES Type III & V Glass



LED Cone Reflector



Louvers



Order Example: 12BOL-FBRA-QBOF-ALED-L-42-F-15-U-AM-B-SF

Model
12BOL-FBRA-QBOF-ALED-

Style	Height	Optics	Wattage	Driver	CCT	Color	Options

Order Description

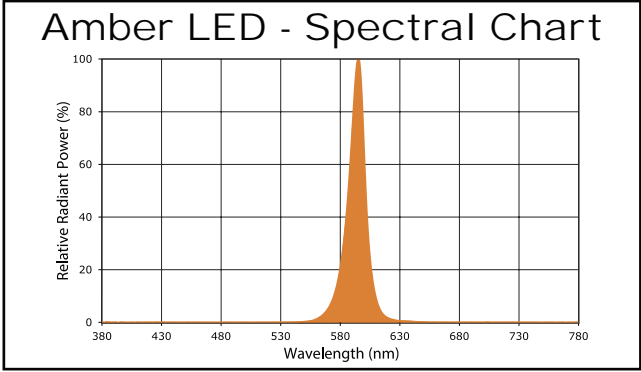
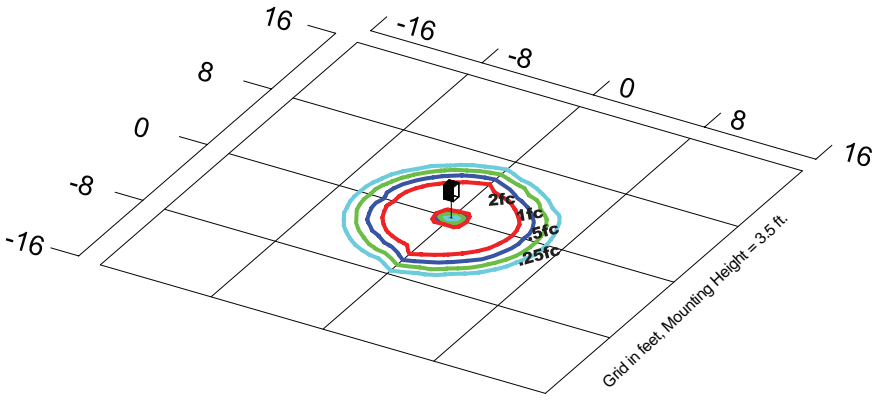
Model	Style	Height	Optics	Wattage	Driver	CCT	Color	Options
12BOL-DBFA-QBOF-ALED	C = Cone Reflector	42 = 42"	F = Wide Beam	15 = 15w	U = 120-277V	AM = Amber	Z = Bronze	SF = Single Fuse
	L = Louvers	36 = 36"					B = Black	DF = Double Fuse
	3 = Type III	30 = 30"					C = Custom	SP = Surge Protection
	5 = Type V							BU = Battery Backup

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TWELVE FIFTY FOUR INDUSTRIES

12BOL-FBRA-QBOF-ALED

Photometric Data



Type V

Photometric Performance

LED Board Watts	Drive Current (mA)	Input Watts	Optics	Amber LEDs				
				Lumens	LPW	B	U	G
AmberLED 15w	116	17	BOG3 Type III Glass	277	16	0	2	0
			BOG5 Type V Glass	272	16	0	2	0
			BOL Louvers	187	11	0	1	0
			BORL Cone Reflector	360	21	0	2	0

Projected Lumen Maintenance

Data shown for Amber LEDs			Compare to MH				
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 25°C	
L70 Lumen Maintenance @ 25°C / 77°F	17	1.00	0.95	0.90	0.80	147,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70@ 50°C	
L70 Lumen Maintenance @ 50°C / 122°F	17	1.00	0.89	0.78	0.55	67,000	
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L80@ 40°C	
L80 Lumen Maintenance @ 40°C / 104°F	17	1.00	0.92	0.85	0.70	66,000	

NOTES:
 1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 116mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
 2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.