

High Power LED Lighting Solutions



Pursuit of perfection environmental purity.



Aeon Lighting Technology Inc.

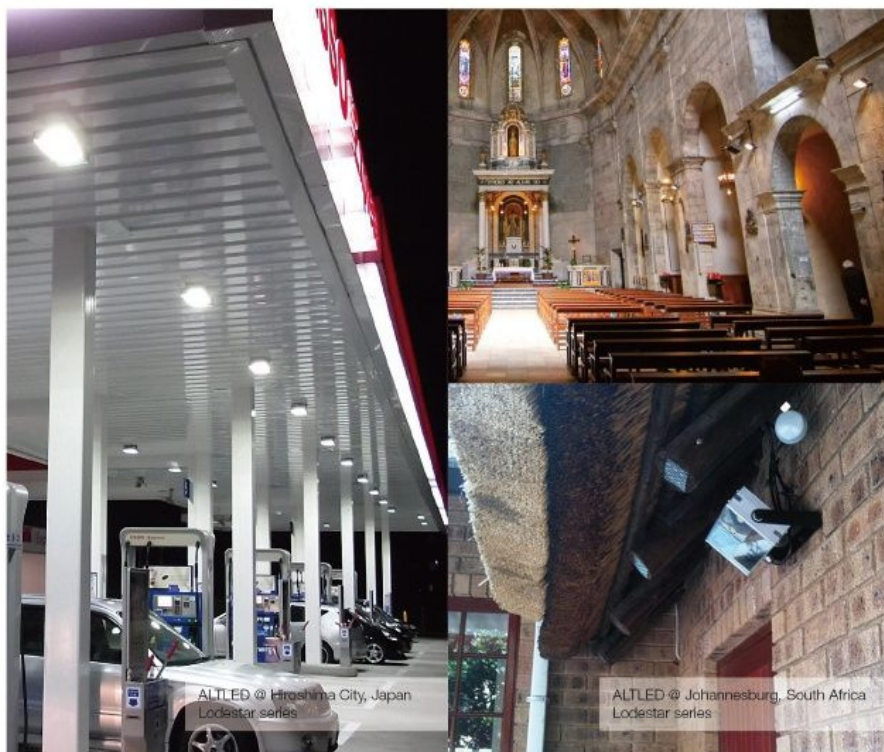
2011/12 ver. 1.02 (CHIPSSET LUMINOUS FLUX)

EnergyTools

www.energytools.nl
info@energytools.nl
Tel: 010-8439068



ALT's Lodestar floodlight series is in fact one of the brightest LED in the world, going up to an astonishing lumens of 16,800. Integrated with a patented aerospace structural design, and providing consistent light intensity and high performance even in extreme climates, ALT's Lodestar floodlight is ideal for large outdoor areas including external wall, gardens, harbors and sport fields. Furthermore, ALT is proud to announce that it has launched a revolutionary product called LED Grow Light. Also under the Lodestar floodlight series, our Grow Light changes the way we grow plants indoor. By providing much less heat, Lodestar Grow Light consumes less power by delivering the perfect effects that included Red, Green and Blue. This will consequently provide a much more efficient and faster growing.



ALTLED @ Hiroshima City, Japan
Lodestar series

ALTLED @ Johannesburg, South Africa
Lodestar series

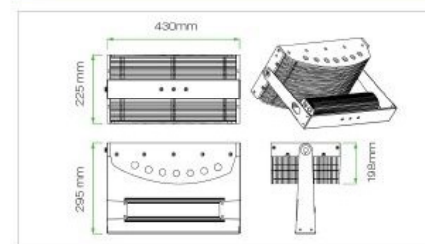
FEATURES

- IP68 waterproof standard.
- Integration of a patented aerospace structural design ensures optimal cooling.
- Provides various beam angle for outdoor lighting requirement.

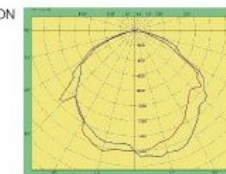
APPLICATIONS

- Tunnel Lighting.
- Grassland Lighting
- Garden Lighting.
- Wall Washing Lighting.

Floodlight F01



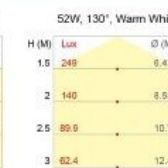
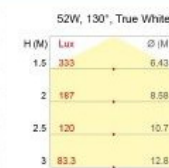
Working Voltage: **100 - 240V AC**
Weight: **113 oz. (9-11 kg)**
Operating Temp: **-20°C to +50°C**
Lifespan: **50,000 hours**
Warranty: **3 Years Limited**
CANDLE POWER DISTRIBUTION
IES Classification
Type II, Short
Beam Angle : 130°



CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	EPISTAR
Type	F01-L60
Power Consumption	52 Watts
Beam Angle	130°
True White	CRI 70 3400 lm
Warm White	CRI 70 2400 lm



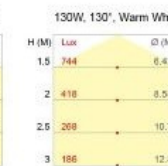
Chipsets	EPISTAR
Type	F01-L90
Power Consumption	78 Watts
Beam Angle	130°
True White	CRI 70 5100 lm
Warm White	CRI 70 3600 lm



Chipsets	EPISTAR
Type	F01-L120
Power Consumption	104 Watts
Beam Angle	130°
True White	CRI 70 6800 lm
Warm White	CRI 70 4800 lm



Chipsets	EPISTAR
Type	F01-L150
Power Consumption	130 Watts
Beam Angle	130°
True White	CRI 70 8500 lm
Warm White	CRI 70 6000 lm



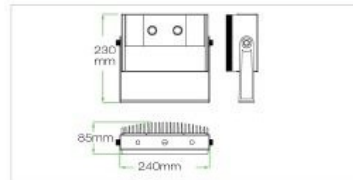
Floodlight

IP68 Rated Function and Patented LED Heat Dissipation Technology

Floodlight F02t25

IP68 CE FC

LED Testing RoHS Laser Testing Intertek 3186663

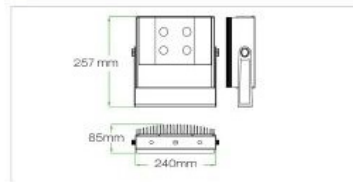


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **113 oz. (3.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight F02t50

IP68 DESIGNLIGHTS

CE FC LED Testing RoHS Laser Testing Intertek 3186663

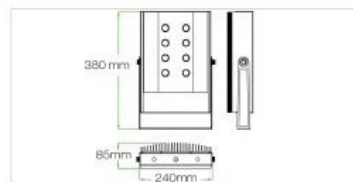


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **176.4 oz. (5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight F02t75 / t100

IP68 DESIGNLIGHTS

CE FC LED Testing RoHS Laser Testing Intertek 3186663

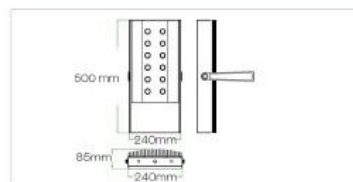


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **210 oz. (6.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight F02t150

IP68 DESIGNLIGHTS

CE FC LED Testing RoHS Laser Testing Intertek 3186663

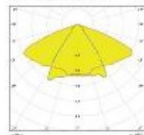


Working Voltage **100 - 240V AC**
Power Factor **≥ 0.9**
Weight **307 oz. (8.7 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

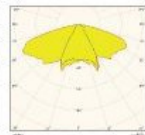
CANDLE POWER DISTRIBUTION

Beam Angle : 20°, 24°, 30°, 45°, 60°, 90°

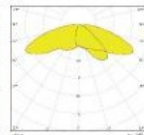
IES Classification



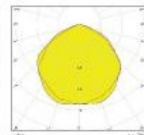
Type I, Short



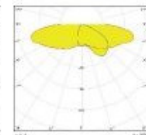
Type I, Medium



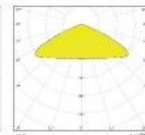
Type II, Short



Type II, Short



Type III, Short



Type V, Medium

Beam Angle : (120°x50°) Beam Angle : (135°x50°) Beam Angle : (120°x60°) Beam Angle : 130° Beam Angle : (120°x60°) Beam Angle : 135°

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® XT-E				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130° / 120° x 50° / 120° x 60° / 135° x 50°				
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm	16800 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm	14700 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm	12000 lm
Warm White CK: 2200K CRI 80	1750 lm	3500 lm	5250 lm	7000 lm	10500 lm

Chipsets	CREE® XP-G				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

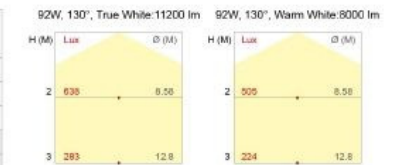
Chipsets	CREE® XP-E / XB-D				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	LUXEON® Rebel ES				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	LUXEON® Rebel				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	BRIDGELUX				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle			130°		
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm	10000 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm	7500 lm

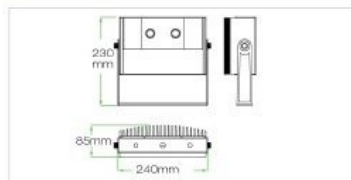
Chipsets	EPSTAR				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	50 Watts	75 Watts	100 Watts	150 Watts
Beam Angle			130°		
True White CRI 70	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Natural White CRI 70	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 70	1200 lm	2400 lm	3600 lm	4800 lm	7200 lm



Floodlight

F02t25

IP68 CE RoHS Low Induc

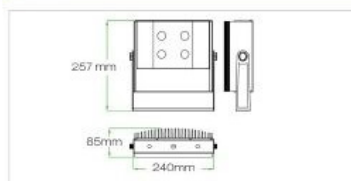


Working Voltage (for Solar Power System) **12V DC**
24V DC
Weight **113 oz. (3.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight

F02t50

IP68 CE RoHS Low Induc

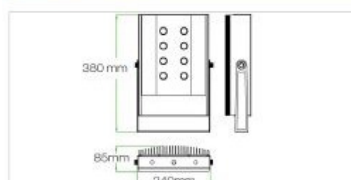


Working Voltage (for Solar Power System) **12V DC**
24V DC
Weight **176.4 oz. (5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight

F02t75 / t100

IP68 CE RoHS Low Induc

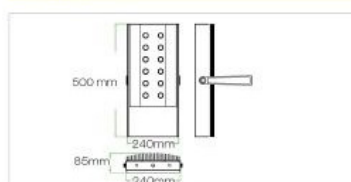


Working Voltage (for Solar Power System) **24V DC**
Weight **210 oz. (6.5 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

Floodlight

F02t150

IP68 CE RoHS Low Induc

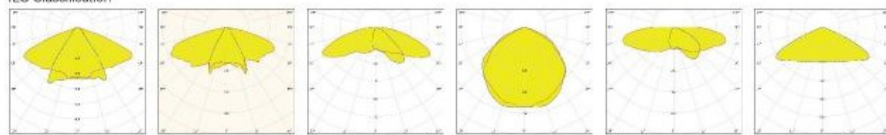


Working Voltage (for Solar Power System) **24V DC**
Weight **307 oz. (8.7 kg)**
Operating Temp **-40°C to +50°C**
Lifespan **50,000 hours**
Warranty **3 Years Limited**

CANDLE POWER DISTRIBUTION

Beam Angle : 20°, 24°, 30°, 45°, 60°, 90°

IES Classification



Type I, Short Beam Angle : (120°x50°) Type I, Medium Beam Angle : (135°x50°) Type II, Short Beam Angle : (120°x60°) Type II, Short Beam Angle : 130° Type III, Short Beam Angle : (120°x60°) Type V, Medium Beam Angle : 135°

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

12V DC

Chipsets	CREE® XP-G	
Type	F02t25	F02t50
Power Consumption	25 Watts	46 Watts
Beam Angle	130°	
True White CRI 80	2550 lm	5100 lm
Natural White CRI 80	2200 lm	4400 lm
Warm White CRI 80	1850 lm	3700 lm

Chipsets	EPISTAR	
Type	F02t25	F02t50
Power Consumption	25 Watts	50 Watts
Beam Angle	130°	
True White CRI 70	1600 lm	3200 lm
Natural White CRI 70	1600 lm	3200 lm
Warm White CRI 70	1200 lm	2400 lm

24V DC

Chipsets	CREE® XT-E				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 20° / 30° / 45° / 60° / 90° / 130° / 120° x 60° / 120° x 60° / 135° x 50°				
True White CRI 70	2800 lm	5600 lm	8400 lm	11200 lm	16800 lm
Natural White CRI 80	2450 lm	4900 lm	7350 lm	9800 lm	14700 lm
Warm White CRI 80	2000 lm	4000 lm	6000 lm	8000 lm	12000 lm
Warm White CRI 80	1750 lm	3500 lm	5250 lm	7000 lm	10500 lm

Chipsets	CREE® XP-G				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	CREE® XP-E				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	CREE® XB-D				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

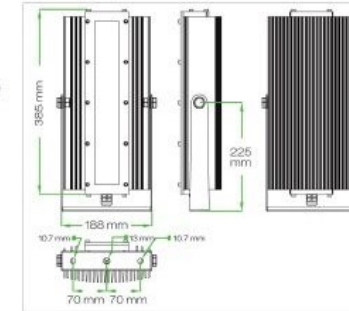
Chipsets	LUXEON® Rebel ES				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	15° / 24° / 30° / 50° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	2550 lm	5100 lm	7650 lm	10200 lm	15300 lm
Natural White CRI 80	2200 lm	4400 lm	6600 lm	8800 lm	13200 lm
Warm White CRI 80	1850 lm	3700 lm	5550 lm	7400 lm	11100 lm

Chipsets	LUXEON® Rebel				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	25 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	10° / 20° / 30° / 45° / 60° / 90° / 130° / 135° / (120°x50°) / (120°x60°) / (135°x50°)				
True White CRI 80	1800 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	1600 lm	3200 lm	4800 lm	6400 lm	9600 lm
Warm White CRI 80	1300 lm	2600 lm	3900 lm	5200 lm	7800 lm

Chipsets	BRIDGELUX®				
Type	F02t25	F02t50	F02t75	F02t100	F02t150
Power Consumption	30 Watts	46 Watts	72 Watts	92 Watts	145 Watts
Beam Angle	130°				
True White CRI 65	2500 lm	3600 lm	5400 lm	7200 lm	10800 lm
Natural White CRI 80	2000 lm	3400 lm	5100 lm	6800 lm	10000 lm
Warm White CRI 82	1800 lm	2500 lm	3750 lm	5000 lm	7500 lm



Floodlight Anti-Explosive Lamp



Working Voltage	100 - 240V AC
Power Factor	> 0.9
Weight	264.6 oz. (7.5 kg)
Operating Temp	-40°C to +50°C
Lifespan	50,000 hours
Warranty	3 Years Limited
Ex Mark	Ex d IIC T5

*Certificate under progress

FEATURES

The anti-explosive E01 series can be safely used in hazardous locations such as power plants, oil and natural gas drilling stations and refineries, mining facilities, etc. Integrated with the CREE XML chipset, the anti-explosive E01 series can provide an estimated 75% energy savings while maintaining the same level of brightness as your standard HID and MH lights.

APPLICATIONS

- Power plants
- Refineries
- Offshore drilling platforms
- Petroleum & gas stations
- Emergency management
- Environmental services
- Chemical plants
- Aviation/aerospace
- Paint coating work stations
- Marine/ship yards
- Mining
- Film/entertainment

CHIPSET LUMINOUS FLUX

All Chipset Luminous Flux Data are indicated in max values

Chipsets	CREE® LEDs XM-L	
Type	E011100	
Power Consumption	92 Watts	
Beam Angle	130°	
True White	CRI 80	10200 lm
Natural White	CRI 80	8600 lm
Warm White	CRI 80	7400 lm