

Performance Summary

- 50W LED Floodlight 85+lm/W equivalent to 120W Metal Halide
- High performance Samsung LED
- Outdoor application, IP65
- Color Temperature: 3000K, 4000K, 5000K
- Certificate: U/cUL, DLC
- 5 Year Warranty

Application

Factories, gymnasiums, building exteriors, yards, advertising boards, billboards, lawns, garden design, and various other outdoor locations.



Features

- Rated Voltage: AC 100V-277V, Operating Frequency: 50-60Hz. Power factor >0.9.
- High efficiency Samsung LED, patented technology for LED integrated.
- Protection level reaches to IP65, Insulation Class: Class 1.
- Die-casting part is high quality aluminum alloy with high thermal conductivity.
- 3.5mm lead-free super-white toughened glass.
- LED driver efficiency up to 91%; constant current accuracy 5%; LED works more stable

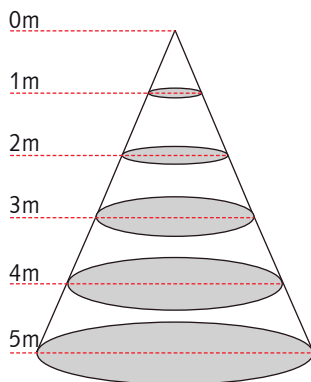
Lamp Specification

Model Number	ED-FL50W277-XK
Input Voltage	100-240V/227V ~/ 0.6A max
Driver	Eptronics LP50W-36-C1400
Frequency / Range	50Hz~60Hz
Total Harmonic Distortion	<20%
Power Factor	>0.95
LED Working Voltage	30~36V DC
LED Type	Samsung LA351A/B 10 PCS
LED Consumption	50W
Lumen Output	3700lm@3000K 3900lm@4000K 4200lm@5000K
Beam Angle	100/ 50° Degree

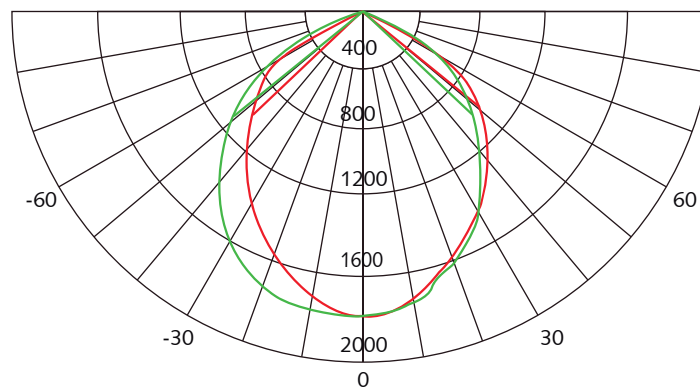
Lamp Specifications

Lamp Efficiency	>80%
Illuminance Uniformity	>0.6
Color Temperature	3000K 4000K 5000K
Color Rendering Index	80Ra@3000K 75Ra@4000K 70Ra@4000K
Light Distribution	Symmetric/ Circle
Junction Temperature	<80°C
Operation Temperature	-30°C to 40°C
IP Grade	IP65
Life Span	at least 50,000 hrs
Connect Wire	L/N/G
Housing Material	Aluminum

Lux Chart



Distribution Curve



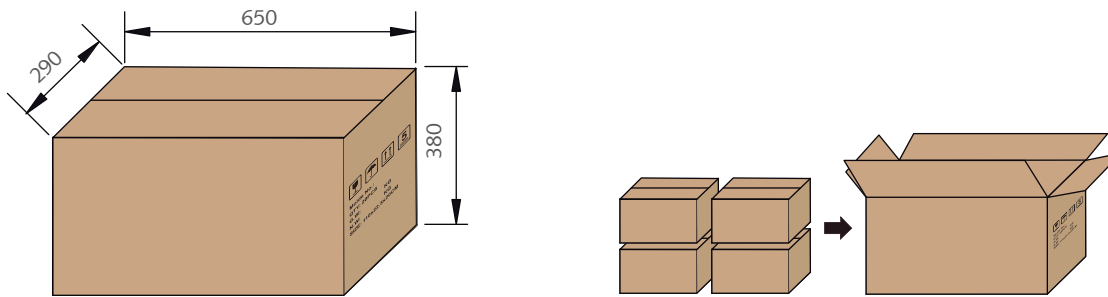
UNIT:cd
— C0/180, 95.9deg
— C90/270, 97.8deg

Average Beam Angle (50%) : 97 DEG

Model#	Height	Average Lux (lx)	Light Range (dia.)
ED-FL50W277-XK	1M	670	226cm
ED-FL50W277-XK	2M	168	452cm
ED-FL50W277-XK	3M	75	678cm
ED-FL50W277-XK	4M	42	905cm
ED-FL50W277-XK	5M	27	1130cm

Dimensions

Fixture Dimensions (mm)	Net Weight	Units/Carton	Carton Dimension (mm)	Carton Weight
289x242x143	4.5kg / 10lbs	4	650x290x380	17.3kg / 26.5lbs



Ordering Guide

ED	FL	50W	277	3K/4K/5K
Company Code	Fixture Type	Wattage	Voltage	Color

Example - ED-FL50W277-XKAL

Company	Product	Wattage	Voltage	Color	AL
ED Energy Dynamics	FL Flood	50W 50Watts	277 100-277VAC	3K 3000K 4K 4000K 5K 5000K	Aluminum + Glass

Notice For User

- These fixtures must be installed by a licensed electrician.
- Turn off power before installing or changing fixture and or assembly parts.
- The facility input voltage has to be within the same range as the line voltage of the fixture.

Warranty

This product has a warranty period of 5 years from date of purchase. The warranty is invalid in the case of improper use, improper installation, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the National Electric Code. Should this product fail during warranty period it will be replaced free of charge, subject return of the faulty unit. Energy Dynamics does not accept responsibility for any installation costs associated with the replacement of the product. Energy Dynamics reserve the right to alter specification without prior notice.