FLH Stadium Light Datasheet

Key Features
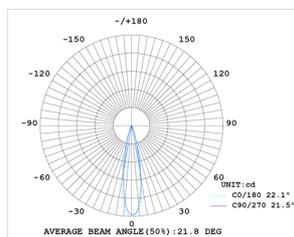
⇒ **Efficacy:** Up to 160 Lm/w

⇒ **LED Chip:** SMD5050|SMD3030

⇒ **SDCM:** <5

⇒ **Beam Angle:** 20°|40°|60°|90°|120°|140°x100°

⇒ **IP Rating:** IP65

⇒ **Control:** DALI| DMX512

⇒ **Installation:** Bracket

⇒ **Certifications:** CE, RoHS

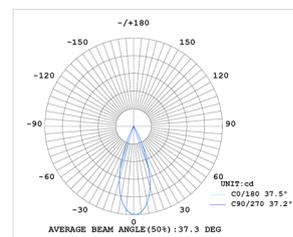⇒ **Warranty:** 5 years

Application

Large stadium, all kinds of large stadium, ships, squares, docks, airports, commercial sites, overpass, outdoor advertising, landmarks and other large panoramic lighting.
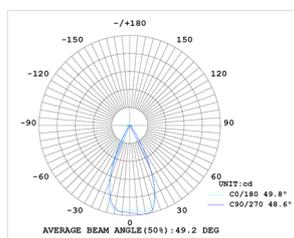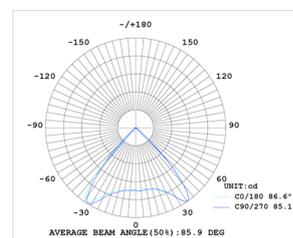
Photometry

20° PC lens

UNIT:cd
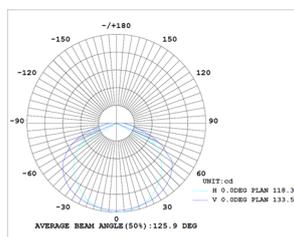C0/180 22.1°
C90/270 21.5°
AVERAGE BEAM ANGLE(50%):21.8 DEG

40° PC lens

UNIT:cd
C0/180 37.5°
C90/270 37.2°
AVERAGE BEAM ANGLE(50%):37.3 DEG

60° PC lens

UNIT:cd
C0/180 49.8°
C90/270 48.6°
AVERAGE BEAM ANGLE(50%):49.2 DEG

90° PC lens

UNIT:cd
C0/180 86.6°
C90/270 85.1°
AVERAGE BEAM ANGLE(50%):85.9 DEG

120° PC lens

UNIT:cd
H 0.0DEG PLAN 118.3°
V 0.0DEG PLAN 133.5°
AVERAGE BEAM ANGLE(50%):125.9 DEG

140°x100° PC lens

UNIT:cd
C0/180 84.9°
C90/270 150.6°
AVERAGE BEAM ANGLE(50%):117.8 DEG

KML
LED Professional Lighting Solutions Provider

Product Data

Model No.	KML-FL120H	KML-FL240H	KML-FL360H	KML-FL480H	KML-FL720H	KML-FL960H	KML-FL1200H	KML-FL1440H
Power	120W	240W	360W	480W	720W	960W	1200W	1440W
Lumen Output	19,200 lm	38,400 lm	57,600 lm	76,800 lm	115,200 lm	153,600 lm	192,000 lm	230,400 lm
PC lens	SMD5050: 20°|40°|60°|90°|140°x100°; SMD3030: 60°|90°							
Luminous Efficacy	160 lm/w							
CCT	3000K|4000K|5000K|5700K|6500K							
CRI	Ra≥70 (Ra≥80 optional)							
Input Voltage	100-277 VAC, 50Hz | 60Hz							
Housing Color	Black							
Housing Material	Aluminum, PC							
Operating temperature	-30°C to +50°C							
Operating humidity	10% to 90% RH							
Lifespan	100,000 hours							
Warranty	5 years							

ErP Technical Specification (25°C operating temperature)

Item	Specification/Data
Efficiency In	≥90%
Power Factor	PF≥0.90
Energy Efficiency Class	D
Standard Deviation of Color Matching	<5
Starting Time	<0.2S
Warm-up Time to 60%	<0.5S
Lumen Maintenance at e.o.l.	>70%
Lifetime	L70/B10@100,000hours

Note: 1. The above parameters are all obtained at +25°C and there are errors within the allowable range of relevant standards.
2. This specification book is for reference only. We retains the right to optimize and modify without pre -notification!

Mounting & Accessories

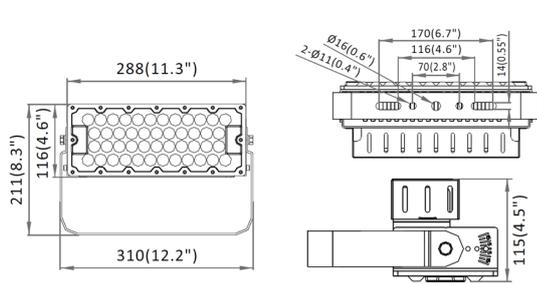|		
	Bracket	
	Black Steel	
	UGR Reflector	
	Black Steel	
	120° PC lens	
	Milk White PC	
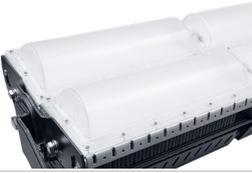
Packaging (without blackout reflector)

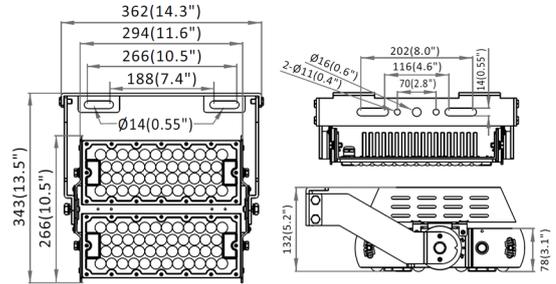| Model No.	PCS/CTN	N.W	G.W	Volumetric Weight	Carton Size and Volume	20GP(28m³)	40HC/HQ(68m³)
KML-FL120H	1 pcs	3.1 kg	3.4 kg	3.4 kg	L365xW171xH273 mm ≈ 0.017 m³	1,647 CTNS	4,000 CTNS
KML-FL240H	1 pcs	5.6 kg	6.1 kg	6.0 kg	L424xW387xH180 mm ≈ 0.030 m³	933 CTNS	2,266 CTNS
KML-FL360H	1 pcs	7.8 kg	8.6 kg	8.0 kg	L519xW424xH180 mm ≈ 0.040 m³	700 CTNS	1,700 CTNS
KML-FL480H	1 pcs	10.3 kg	11.3 kg	10.0 kg	L647xW424xH180 mm ≈ 0.050 m³	560 CTNS	1,360 CTNS
KML-FL720H	1 pcs	15.8 kg	18.0 kg	13.3 kg	L712xW519xH180 mm ≈ 0.067 m³	417 CTNS	1,014 CTNS
KML-FL960H	1 pcs	18.0 kg	20.5 kg	16.7 kg	L712xW651xH180 mm ≈ 0.083 m³	337 CTNS	819 CTNS
KML-FL1200H	1 pcs	22.0 kg	25.0 kg	20.0 kg	L783xW712xH180 mm ≈ 0.100 m³	280 CTNS	680 CTNS
KML-FL1440H	1 pcs	30.5 kg	34.0 kg	23.5 kg	L915xW712xH180 mm ≈ 0.117 m³	239 CTNS	581 CTNS

Remarks: The weight of the above products is for reference only, and the weight of different configuration products will be different.
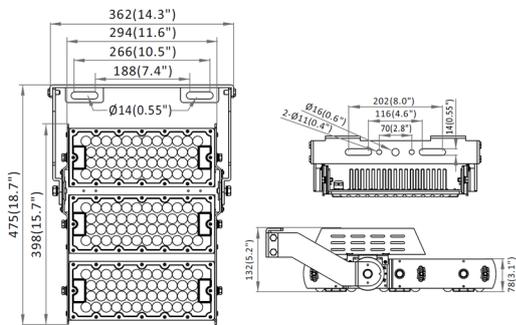
Dimension (unit: mm/inch)
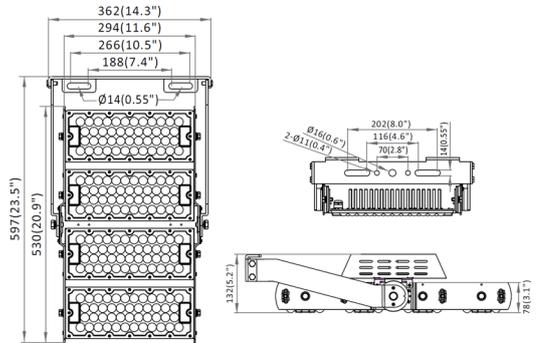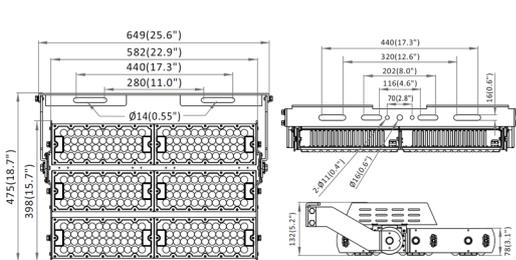

KML-FL120H

KML-FL240H

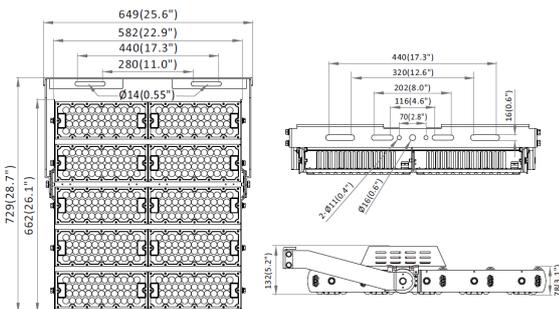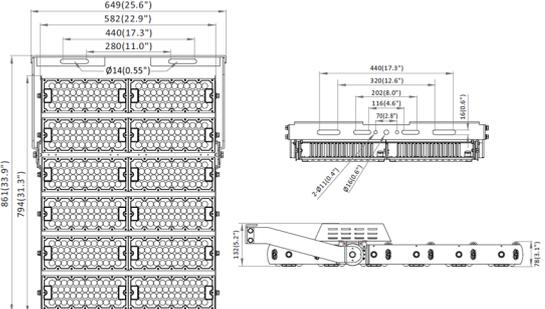KML-FL360H

KML-FL480H

KML-FL720H

KML-FL960H

KML-FL1200H

KML-FL1440H

Packing Image