

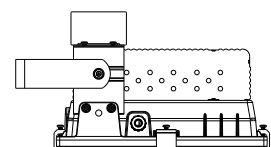
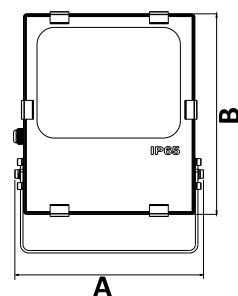
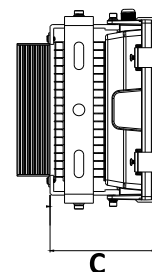


EMC EN 55015/ EN 61547 / EN 61000-3-2 / EN 61000-3-3
 LVD EN 60598-2-1 / EN 60598-1

Features

- ▶ Adopting high luminous efficiency Philips SMD LED 3030 light source and Meanwell Driver with uniform emitting light uniformity, the whole fixture luminous efficiency $\geq 100\text{LM/W}$, CRI(Ra70), good heat dissipation, low light degradation.
- ▶ Using special waterproof connectors and silicon rubber seal technology and protection glass IP65.
- ▶ The whole lamp appearance Processed by paint and sandblasting not only corrosion resistance, but also better in products cooling; Stainless steel screws and parts, suitable for harsh environments in the long-term use.
- ▶ Equipped with respirator to balance the atmospheric pressure difference, waterproof and mist cleared to avoid condensation, greatly reducing product failure rate due to corrosion caused by salt and prolong life.
- ▶ Heat-pipe Riveting and massive fins cooling technology, by using the 4* 6MM heat the pipe, heat generated by the light source is quickly transferred to the cooling module of massive radiation fins, efficiently cool the temperature of the LED light source and extend the lifespan of the lighting source.
- ▶ Dim: Dali/0-10V/PWM Optional
- ▶ Operating Temperature $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Dimension



Bruce Hawk LED Flood Light

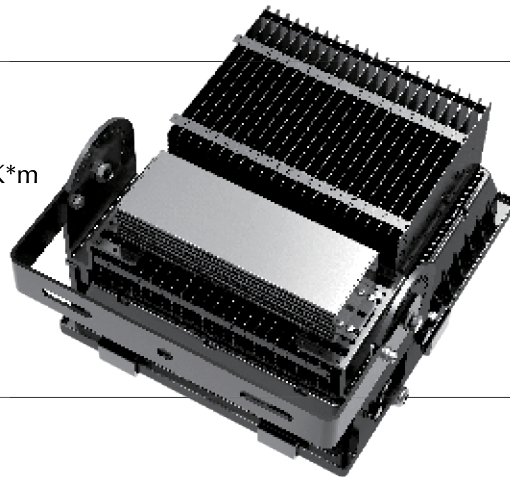
Technical Specification

Model	Power	Luminous	CRI	Beam Angle	CCT	Dimension			Input Voltage	PF	Lifespan	IP Rating
						A	B	C				
BW-1503-30W-FL	30W	3000lm	≥70Ra	120°	3000-5700K	198x156*56mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-50W-FL	50W	5000lm	≥70Ra	120°	3000-5700K	282x207x104mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-70W-FL	70W	7000lm	≥70Ra	120°	3000-5700K	282x207x104mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-100W-FL	100W	10000lm	≥70Ra	120°	3000-5700K	270x250x130mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-120W-FL	120W	12000lm	≥70Ra	120°	3000-5700K	270x250x130mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-150W-FL	150W	15000lm	≥70Ra	120°	3000-5700K	270x250x155mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-200W-FL	200W	20000lm	≥70Ra	120°	3000-5700K	380x287x190mm			AC90~305V	≥0.95	50000Hrs	IP65
BW-1503-240W-FL	240W	24000lm	≥70Ra	120°	3000-5700K	459x330x177mm			AC90~305V	≥0.95	50000Hrs	IP65



Driver

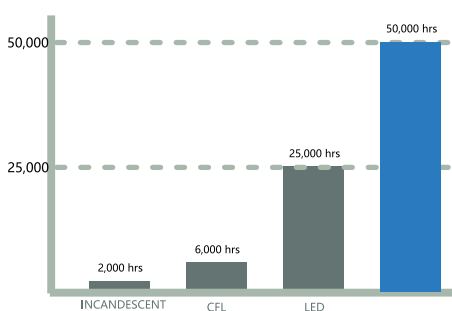
In order to increase the efficiency and lifetime, 2W/K*m high thermal conductivity PCB is used, and 3W/K*m conductivity paste is used. The lens has 89% light transmittance, with UV protection function.



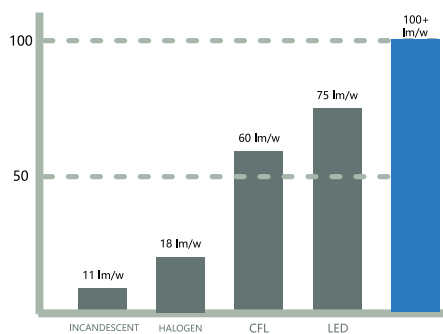
Efficiency

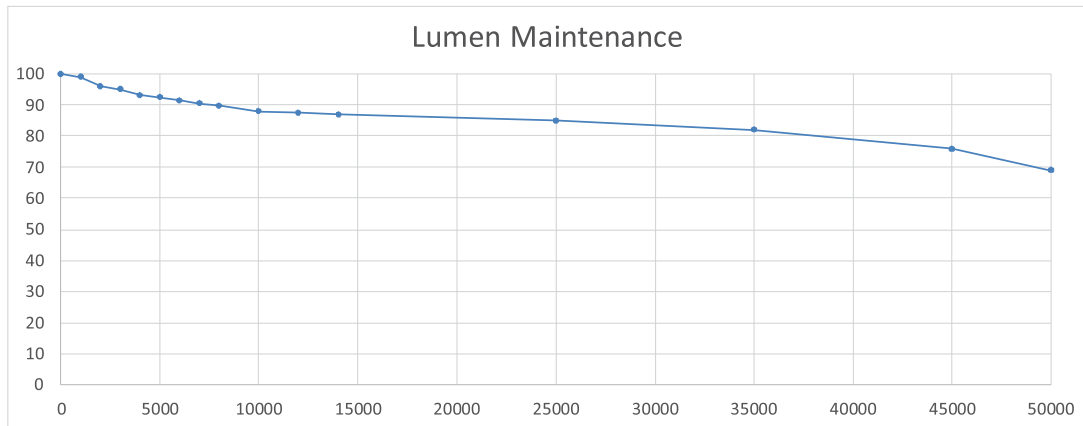
We are very picky when it comes to selecting the right LED chip for our products. The LED chips used in our systems are LM80 qualified which have passed life time test and lumen maintenance test. Not only the life time is longer, but also the efficiency is higher.

AVERAGE RATED LIFE



AVERAGE LUMINOUS EFFICACY





TM21

Table 1: Report at each LM-80 Test Condition

Test Condition 1 - 55°C Case Temp		Test Condition 2 - 85°C Case Temp		Test Condition 3 - 105°C Case Temp	
Sample size	25	Sample size	25	Sample size	25
Number of failures	0	Number of failures	0	Number of failures	0
DUT drive current used in the test (mA)	350	DUT drive current used in the test (mA)	350	DUT drive current used in the test (mA)	350
Test duration (hours)	6,000	Test duration (hours)	6,000	Test duration (hours)	6,000
Test duration used for projection (hour to hour)	1,000 - 6,000	Test duration used for projection (hour to hour)	1,000 - 6,000	Test duration used for projection (hour to hour)	1,000 - 6,000
Tested case temperature (°C)	55	Tested case temperature (°C)	85	Tested case temperature (°C)	105
α	8.652E-06	α	6.692E-06	α	8.550E-06
B	1.031	B	1.036	B	1.029
Calculated L70(6k) (hours)	45,000	Calculated L70(6k) (hours)	59,000	Calculated L70(6k) (hours)	45,000
Reported L70(6k) (hours)	>36000	Reported L70(6k) (hours)	>36000	Reported L70(6k) (hours)	>36000

BRUCE HAWK LED FLOOD LIGHT

Packing Details

Model	Outer Carton(mm)			QTY/CTN	NW/Car-tone	GW/Carton
	L	W	H		KG	KG
BW-1503-30W-FL	342	275	222	1	2.50	3.00
BW-1503-50W-FL	342	275	222	1	3.00	3.50
BW-1503-70W-FL	342	275	222	1	3.30	3.80
BW-1503-100W-FL	387	342	257	1	5.50	6.00
BW-1503-120W-FL	387	342	257	1	5.50	6.00
BW-1503-150W-FL	387	342	257	1	6.50	7.00
BW-1503-200W-FL	385	375	270	1	7.00	7.50
BW-1503-240W-FL	510	420	270	1	9.00	10.00

