

DATE : 01. 03. 2016

Technical Detail & Comparison Between 100w Led Bay Light & 250w Mh Flood Light

Cat. Ref. : KIID-11 LED

**Heavy
Duty**



100watt
10000 LUMEN minimum
Replacement Of 250w MH



PF ≥ 0.9
THD ≤ 10%
EFFICIENCY > 90%

Powered by
PHILIPS
Drivers



Aluminium Extruded Heat Sink + Lens & Aluminium Dom

Energy efficiency & Energy Costs	100W LED Flood Light (2 x 50w)	250W Flood Light MH
Life Span (average)	50,000 hours	10,000 hours
Watts of electricity used with Drivers / Ballast	Only 100watt. LED use less power (watts) per unit of light generated (lumens). LEDs help reduce greenhouse gas emission from power plants and lower electric bills.	250W + 25W (Ballast) = 275w
Units /hr	0.1	0.275
Units 11Hrs/day	1.0	3.025
Units 11Hrs/ Day / Year	365	1104.25
General Ind. Cost of Electricity @ Rs. 8.5	Rs. 3102.5 /-	Rs. 9385 /-
Saving / Year	Rs. 6282.5 /- (Saving in Maintenance Extra)	
LUX Measured on 30ft Height	39	
LUX Measured on 40ft Height	23	
LUX Measured on 50ft Height	14	

100W Led Bay Light Lux Measurement - 120° Beam Angle

