Savepower XD LED Flood light - The Brightest LED Flood light in the world!

Premium Precise Optical Lens System 95% efficient , 5-10 times brighter than conventional LED light.

Standard 120lumen per watt Hi 160lumen per watt, Modular Design, Low Maintenance.

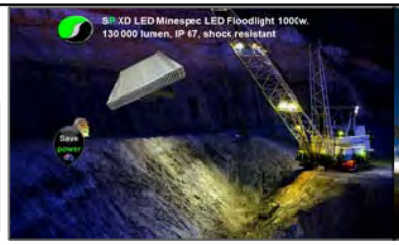
Direct Heat Path Technology, 2-5 times better stability working Ambient temp 50deg.

Anti-Glare System

IP66

Meanwell LED driver

savepower.com.au
When night comes.... we'll save you!!!



SP XD LED FLOOD LIGHT HI-BAY SPECIFICATIONS

SP XD LED Model No.	Power	LED light efficiency	Lumen (White) 5500kelvin	Replaces Metal halide of rated wattage below:	% power saving vs Metal halide	Beam Angle options	Color Temperature options	Light Body Size LxWxH (mm) exclude holder	Weight (kg)	Working Voltage	Lamp Holder	SP XD LED Model No.
SP XD LED FL STD 100W	100W	120lumen/W	12000 lumen	Replaces MH 240W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	330x316.5x90	7	90-290V AC	double U bracket	SP XD LED FL STD 100W
SP XD LED FL HP 100W	100W	160lumen/W	16000 lumen	Replaces MH 320W	Saves 69% over MH	25,40, 60, 90 degree		330x316.5x90	7	90-290V AC	double U bracket	SP XD LED FL HP 100W
SP XD LED FL STD 150W	150W	120lumen/W	18000 lumen	Replaces MH 360W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	330x316.5x90	8	90-290V AC	double U bracket	SP XD LED FL STD 150W
SP XD LED FL HP 150W	150W	160lumen/W	24000 lumen	Replaces MH 480W	Saves 69% over MH	25,40, 60, 90 degree		330x316.5x90	8	90-290V AC	double U bracket	SP XD LED FL HP 150W
SP XD LED FL STD 200W	200W	120lumen/W	24000 lumen	Replaces MH 480W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	390x316.5x90	10	90-290V AC	double U bracket	SP XD LED FL STD 200W
SP XD LED FL HP 200W	200W	160lumen/W	32000 lumen	Replaces MH 640W	Saves 69% over MH	25,40, 60, 90 degree		390x316.5x90	10	90-290V AC	double U bracket	SP XD LED FL HP 200W
SP XD LED FL STD 300W	300W	120lumen/W	36000 lumen	Replaces MH 720W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	630x316.5x90	12	90-290V AC	double U bracket	SP XD LED FL STD 300W
SP XD LED FL HP 300W	300W	160lumen/W	48000 lumen	Replaces MH 960W	Saves 69% over MH	25,40, 60, 90 degree		630x316.5x90	12	90-290V AC	double U bracket	SP XD LED FL HP 300W
SP XD LED FL STD 360W	360W	120lumen/W	43200 lumen	Replaces MH 864W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	510x416.5x90	16	90-290V AC	double U bracket	SP XD LED FL STD 360W
SP XD LED FL HP 360W	360W	160lumen/W	57600 lumen	Replaces MH 1152W	Saves 69% over MH	25,40, 60, 90 degree		510x416.5x90	16	90-290V AC	double U bracket	SP XD LED FL HP 360W
SP XD LED FL STD 400W	400W	120lumen/W	48000 lumen	Replaces MH 960W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	570x416.5x90	17	90-290V AC	double U bracket	SP XD LED FL STD 400W
SP XD LED FL HP 400W	400W	160lumen/W	64000 lumen	Replaces MH 1280W	Saves 69% over MH	25,40, 60, 90 degree		570x416.5x90	17	90-290V AC	double U bracket	SP XD LED FL HP 400W
SP XD LED FL STD 500W	500W	120lumen/W	60000 lumen	Replaces MH 1200W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	690x416.5x90	21	90-290V AC	double U bracket	SP XD LED FL STD 500W
SP XD LED FL HP 500W	500W	160lumen/W	80000 lumen	Replaces MH 1600W	Saves 69% over MH	25,40, 60, 90 degree		690x416.5x90	21	90-290V AC	double U bracket	SP XD LED FL HP 500W
SP XD LED FL STD 720W	720W	120lumen/W	86400 lumen	Replaces MH 1728W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	750x516.5x90	35	90-290V AC	double U bracket	SP XD LED FL STD 720W
SP XD LED FL HP 720W	720W	160lumen/W	115200 lumen	Replaces MH 2304W	Saves 69% over MH	25,40, 60, 90 degree		750x516.5x90	35	90-290V AC	double U bracket	SP XD LED FL HP 720W
SP XD LED FL STD 1000W	1000W	120lumen/W	120000 lumen	Replaces MH 2400W	Saves 58% over MH	25,40, 60, 90 degree	2800-3500K (Warm white) 5000-6000K (Natural White) 6500-7500K (True White)	750x716.5x90	50	90-290V AC	double U bracket	SP XD LED FL STD 1000W
SP XD LED FL HP 1000W	1000W	160lumen/W	160000 lumen	Replaces MH 3200W	Saves 69% over MH	25,40, 60, 90 degree		750x716.5x90	50	90-290V AC	double U bracket	SP XD LED FL HP 1000W

Trading terms: Ex-works Brisbane, Manly, QLD 4179. All pricing is in Australian dollars and excludes GST.
Freight and insurance charges are not included, can be calculated at time of order and are at extra cost to the purchaser. Production Lead-time general 3 weeks, to be confirmed at order confirmation (Volume and model dependant).
Samples <5 units 100% deposit. Volume orders >5 units 60% deposit and cleared in our account, balance paid 7 working days days before shipping.

Savepower.com.au ABN: 79 091 748 453, ACN: 091 748 453 PO Box 5790, Manly, QLD 4179

Contact: E: info@savepower.com.au www.savepower.com.au

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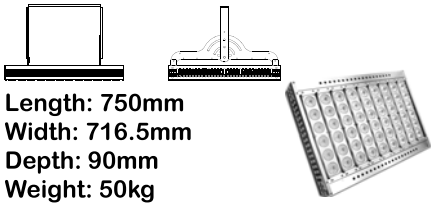
SP XD LED Hi Power Floodlights

Save 69% on power.
Save on maintenance.
Save on downtime.

savepower.com.au ©

Features:
10 times the life of 2kw Metal halide.
Instant start & IR/M sensor friendly - No More Brown-outs and down time.
95% effecient lenses, designed by CANON
Patented Direct heat path LED cooling technology
Easy installation and maintenance
69% less carbon emissions and power usage.
IP66, Shock resistant & low heat.
Designed to work up to 50degree Celcius ambient temperatures.
50,000 hour life, Options LED: STD 120lm/Wand Hi 160 lum/Watt

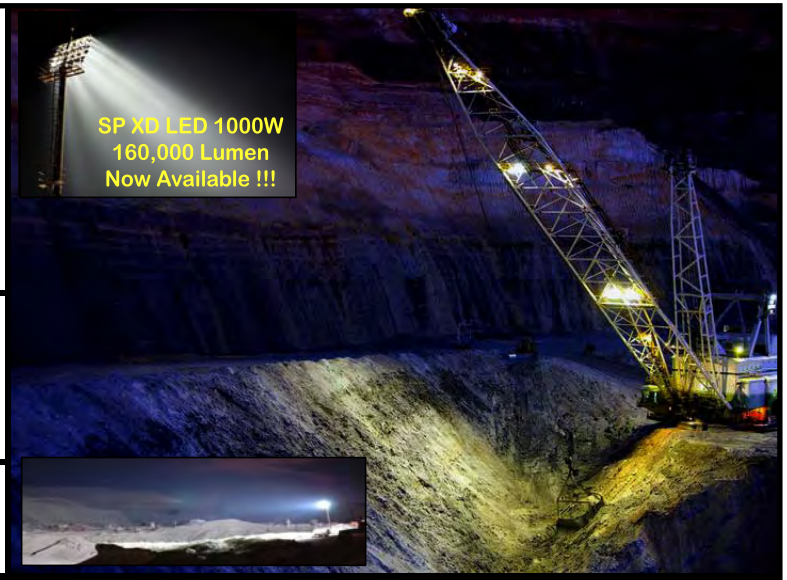
SP XD LED 1000W HP Floodlight



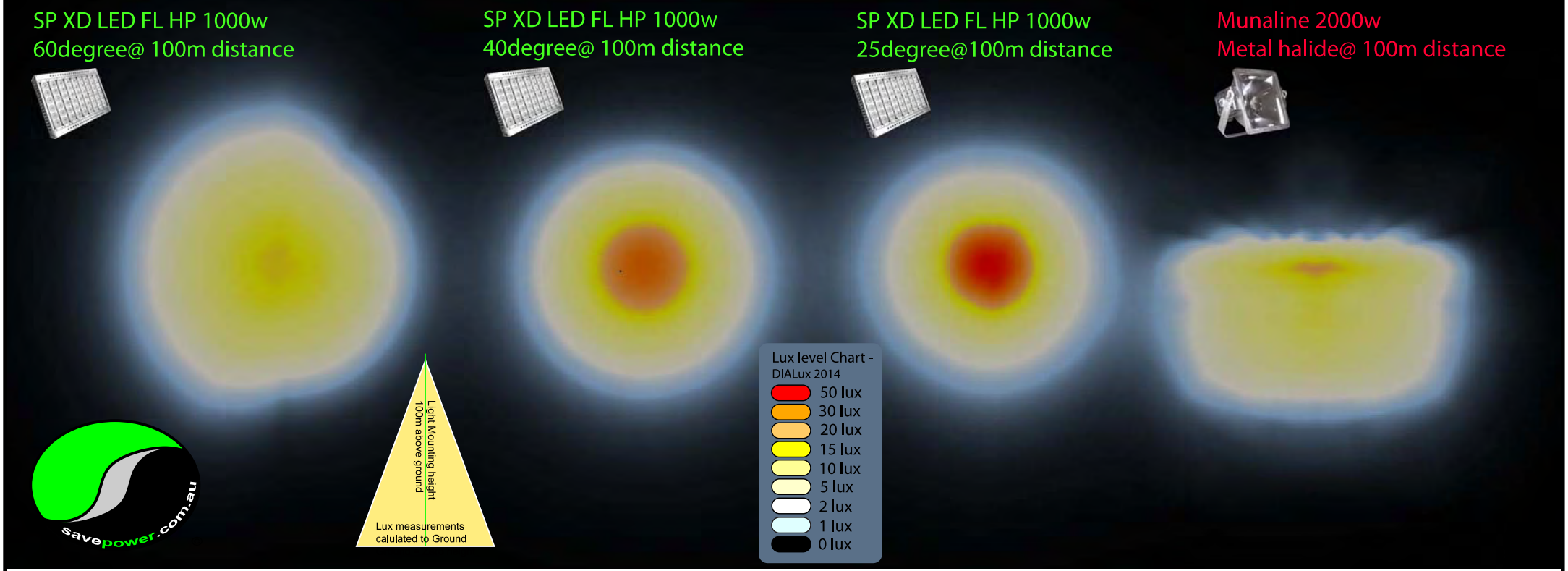
Length: 750mm
Width: 716.5mm
Depth: 90mm
Weight: 50kg
Voltage range: 90-290V AC

SP XD LED Floodlight Options:
100W, 150W, 200W,300W, 360W
400W, 500W, 720W, 1000W.
STD - 120lumen/Watt
Hi - 160lumen per watt

MW MEAN WELL
RELIABLE MEANWELL
LED DRIVER EQUIPPED



Comparison of Dialux calulated lux levels at 100m distance - SP XD LED - Hi 1000W Floodlight vs Munaline 2000w Metal halide floodlight.



SP XD LED FL HP 60Deg 1000W
(115,200lumen) 160lumen/Watt
5000kelvin

SP XD LED FL HP 40Deg 1000w
(115,200lumen) 160lumen/Watt
5000kelvin

SP XD LED FL HP 25Deg 1000w
(115,200lumen) 160lumen/Watt
5000kelvin

Thorn Lighting MUNALINE 2kw MH floodlight
2071.0 W; 1x2000W Philips (MD)
MHN-LA2000/842 Double-ended Metal Halide (4200K)

SP XD LED Hi Power Floodlights

Save 69% on power.
Save on maintenance.
Save on downtime.

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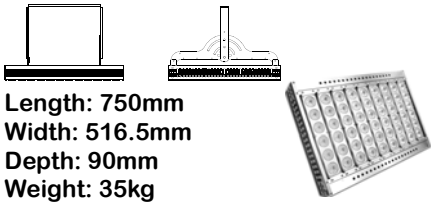
Easy installation and maintenance
69% less carbon emissions and power usage.
IP66, Shock resistant & low heat.
Designed to work up to 50degree Celcius ambient temperatures.
50,000 hour life, Options LED: STD 120lm/Wand Hi 160 lum/Watt

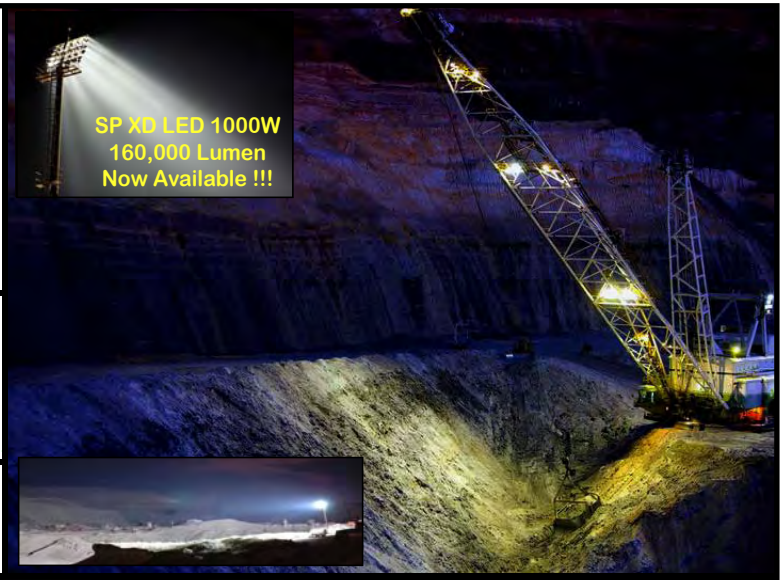
SP XD LED 720W HP Floodlight



Length: 750mm
Width: 516.5mm
Depth: 90mm
Weight: 35kg
Voltage range: 90-290V AC

SP XD LED Floodlight Options:
100W, 150W, 200W,300W, 360W
400W, 500W, 720W, 1000W.
STD - 120lumen/Watt
Hi - 160lumen per watt

MW MEAN WELL
RELIABLE MEANWELL
LED DRIVER EQUIPPED



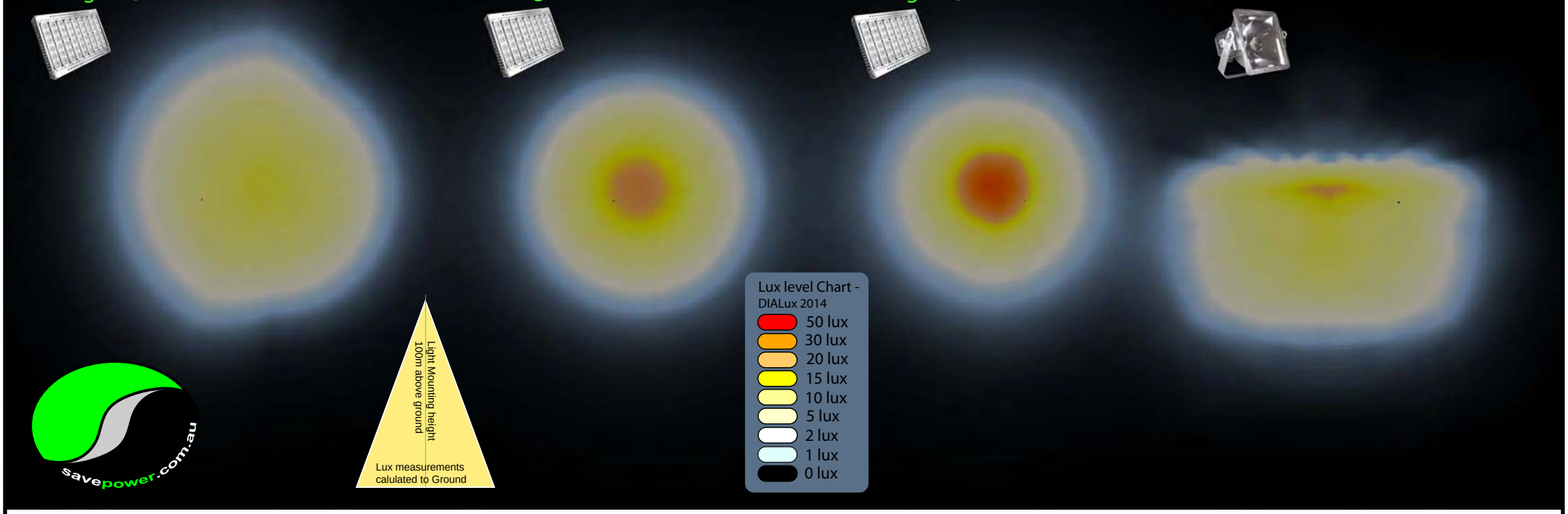
Comparison of Dialux calulated lux levels at 100m distance - SP XD LED - Hi 720W Floodlight vs Munaline 2000w Metal halide floodlight.

SP XD LED FL HP 720w
60degree@ 100m distance

SP XD LED FL HP 720w
40degree@ 100m distance

SP XD LED FL HP 720w
25degree@100m distance

Munaline 2000w
Metal halide@ 100m distance



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SP XD LED FL HP 60Deg 720W
(115,200lumen) 160lumen/Watt
5000kelvin

SP XD LED FL HP 40Deg 720w
(115,200lumen) 160lumen/Watt
5000kelvin

SP XD LED FL HP 25Deg 720w
(115,200lumen) 160lumen/Watt
5000kelvin

Thorn Lighting MUNALINE 2kW MH floodlight
2071.0 W; 1x2000W Philips (MD)
MHN-LA2000/842 Double-ended Metal Halide (4200K)

SP XD LED Hi Power Floodlights

Save 69% on power.
Save on maintenance.
Save on downtime.

savepower.com.au ©

Features:
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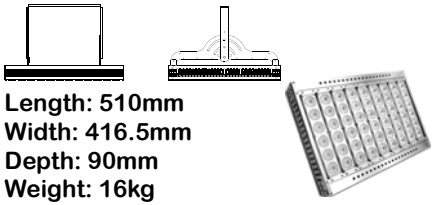
95% effecient lenses, designed by CANON
Patented Direct heat path LED cooling technology
Easy installation and maintenance
69% less carbon emissions and power usage.
IP66, Shock resistant & low heat.
Designed to work up to 50degree Celcius ambient temperatures.
50,000 hour life, Options LED: STD 120lm/Wand Hi 160 lum/Watt

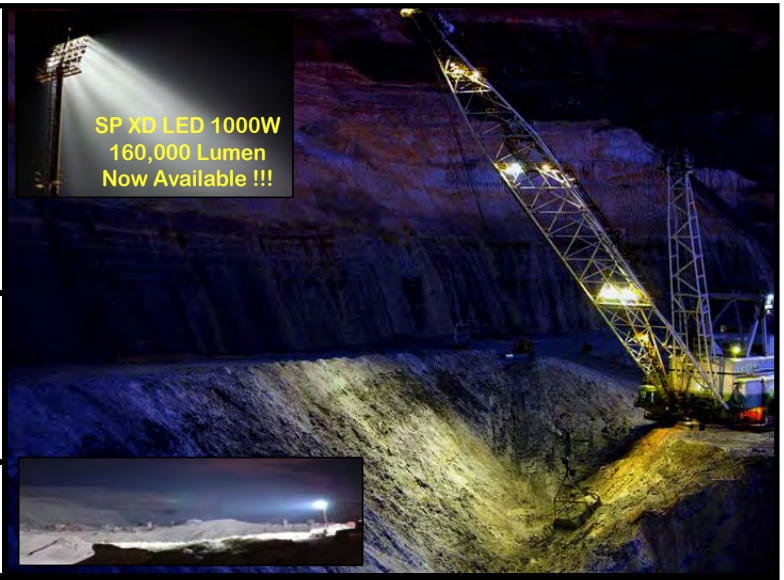
SP XD LED 360W HP Floodlight



Length: 510mm
Width: 416.5mm
Depth: 90mm
Weight: 16kg
Voltage range: 90-290V AC

SP XD LED Floodlight Options:
100W, 150W, 200W,300W, 360W
400W, 500W, 720W, 1000W.
STD - 120lumen/Watt
Hi - 160lumen per watt

MW MEAN WELL
RELIABLE MEANWELL
LED DRIVER EQUIPPED



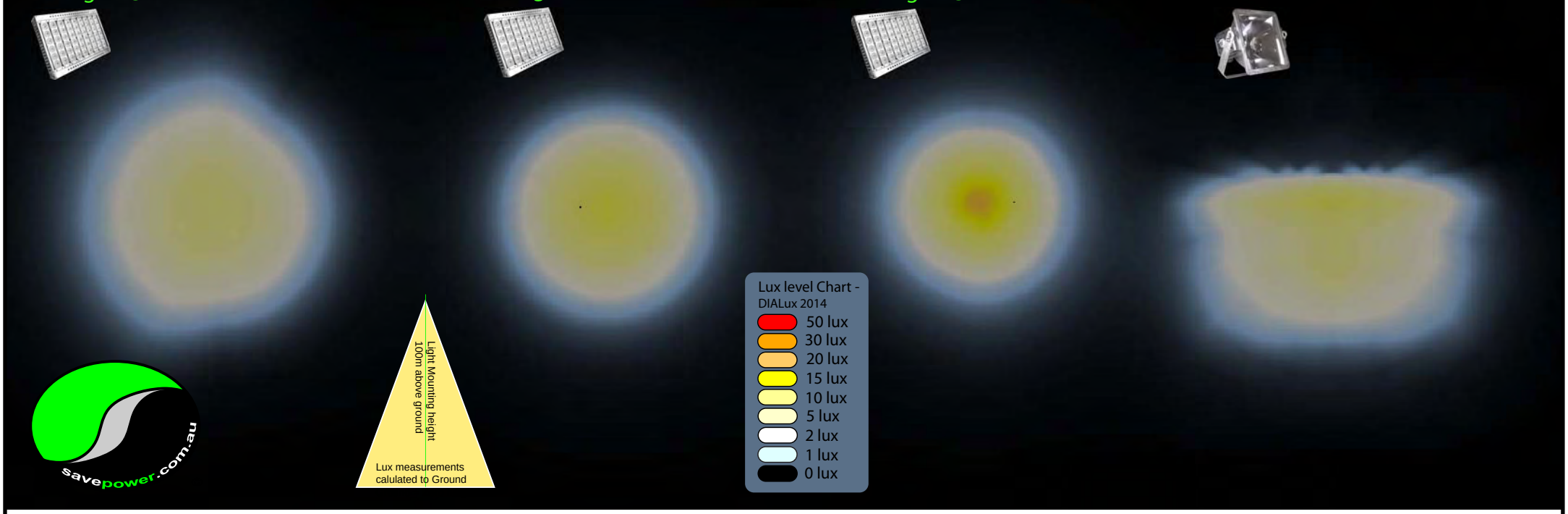
Comparison of Dialux calulated lux levels at 100m distance - SP XD LED - Hi 360W Floodlight vs Munaline 1000w Metal halide floodlight.

SP XD LED FL HP 360w
60degree@ 100m distance

SP XD LED FL HP 360w
40degree@ 100m distance

SP XD LED FL HP 360w
25degree@100m distance

Munaline 1000w
Metal halide@ 100m distance



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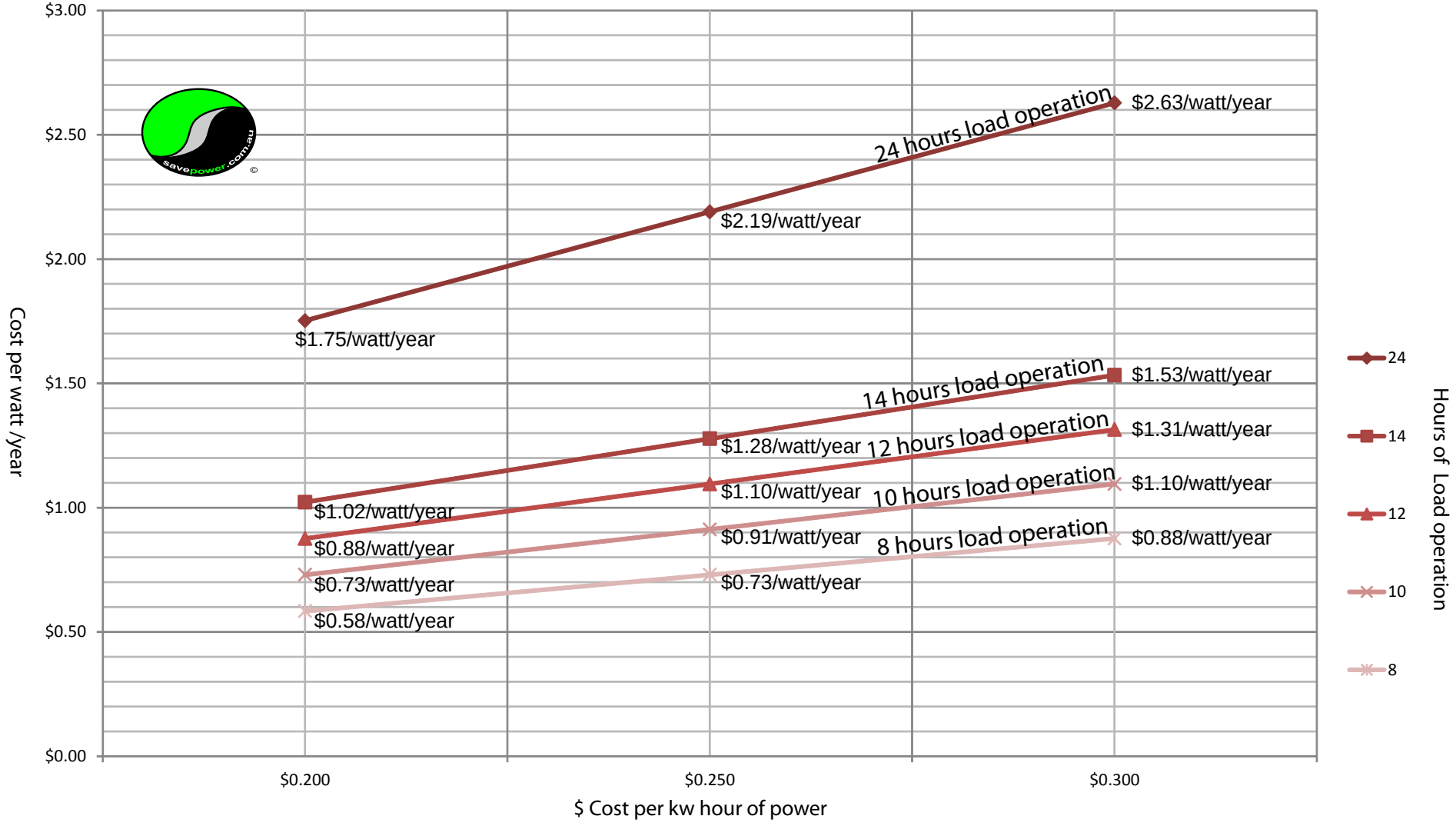
SP XD LED FL HP 60Deg 360W
(57,600 lumen) 160lumen/Watt
5000kelvin

SP XD LED FL HP 40Deg 360w
(57,600 lumen) 160lumen/Watt
5000kelvin

SP XD LED FL HP 25Deg 360w
(57,600 lumen) 160lumen/Watt
5000kelvin

Thorn Lighting MUNALINE 1kW MH floodlight
1x1000W Philips (MD)
Double-ended Metal Halide (4200K)

SP Graph showing the annual cost per 1 watt of power used dependant on hours of operation and cost of power/kw



To calculate the anual power cost of any light simply select the hours of operation, cost per KW, read off the graph the number and multiply this by the overall power usage of the light fitting (Eg: 12hour@$0.25/kw =$1.10)

Example A : a 1000 watt light, running for 12hours per night, costs (12) @$0.25/kw cost $1.10 per watt per year, 1000w x 1.1 = $1,100.00 $1100.00 is the anual power cost to run a 1000w light for 12 hours a day.

Example B: 15 X 1000 watt lights, running for 12hours per night, costs (12) @$0.25/kw cost $1.10 per watt per year, 1000w x 1.1 x 15 = $16,500.00 $16,500.00 is the anual power cost to run 15 x 1000w lights for 12 hours a day @$0.25/kw

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SP XD LED FL v2 160lm/Watt

IP 66 water proof

2014 closed frame SP XD LED Floodlight housing

Front

Back

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Photo showing 4 x SP XD LED 720W Hi DC Floodlights on a lighting tower

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SP XD LED FLOOD LIGHT - DC

SP LED XD = Xtreme Durability

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4 x SP LED DC XD 100W -HP

SAVEPOWER PRODUCT PHILOSOPHY:
SP manufactures high quality stand alone solar powered custom lighting systems all with proven reliability and durability.
Designed for marine, mining and harsh environments.
With a SP factory warranty, and 24/7 back-up support, you and your team will have the peace of mind that our products won't let you down.
Our philosophy is that if you do have a problem, with any of our products, we will solve it, as soon as humanly possible. This is why we spend so much effort to make our products the best possible design and quality so that from day one they work, both reliably and as designed.

4 x SP LED XD 100W -HP

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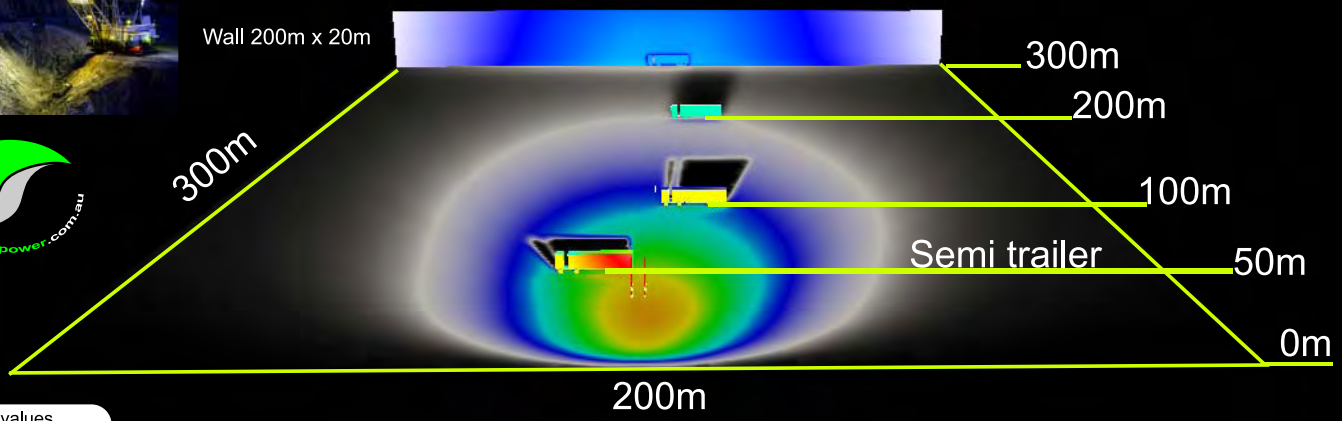
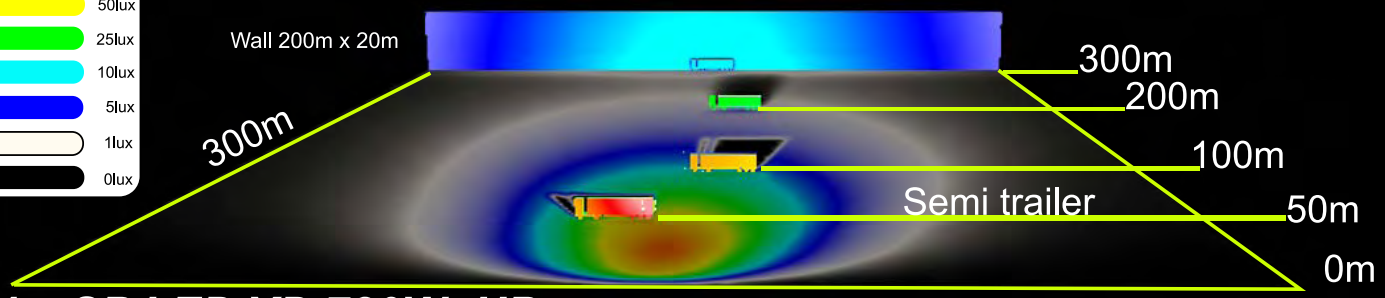
SP XD LED HI POWER FLOOD LIGHTING SYSTEM

SP LED XD = Xtreme Durability

4 x SP XD LED 500W HP (130lm/w 2 x 40° 2 x 25° - Total 260,000 Lumen)
mounted @12m height at 300m distance to 20m high wall
Semi trailers parked at 50m, 100m, 200m and 300m distance.

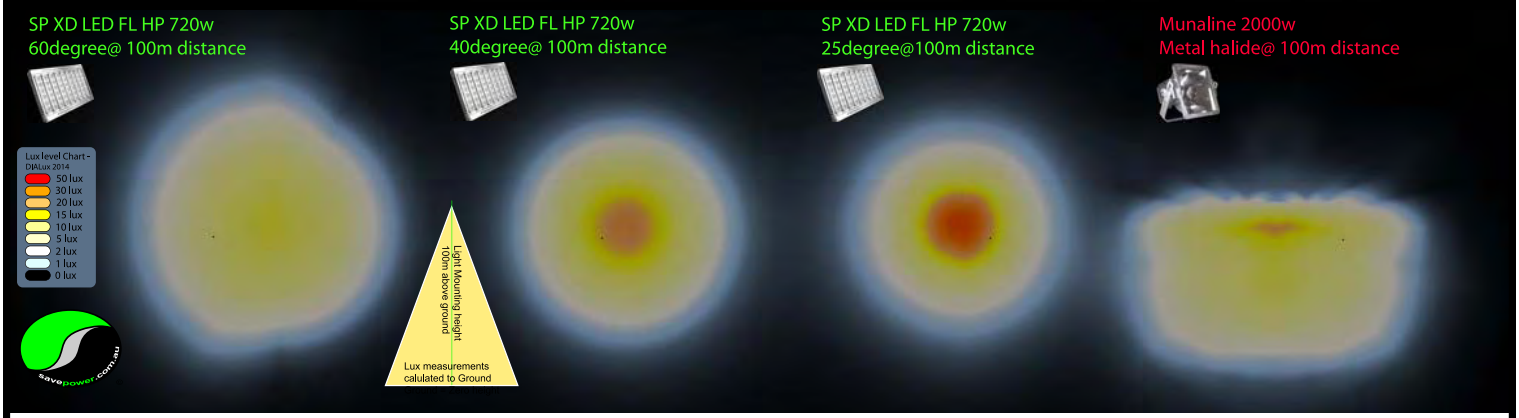


4 x SP XD LED 720W HP (130lm/w 2 x 40° 2 x 25° - Total 374,400 Lumen)
mounted @12m height at 300m distance to 20m high wall
Semi trailers parked at 50m, 100m, 200m and 300m distance.



4 x SP LED XD 720W -HP

2014 Comparison of Dialux calulated lux levels at 100m distance - SP XD LED - Hi 720W Floodlight vs Munaline 2000w Metal halide floodlight.



SP XD LED FL HP 60Deg 720W (115,200lumen) 160lumen/Watt 5000kelvin	SP XD LED FL HP 40Deg 720w (115,200lumen) 160lumen/Watt 5000kelvin	SP XD LED FL HP 25Deg 720w (115,200lumen) 160lumen/Watt 5000kelvin	Thorn Lighting MUNALINE 2kW MH floodlight 2071.0 W; 1x2000W Philips (MD) MHN-LA2000/842 Double-ended Metal Halide (4200K)

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Realistic Greenhouse Gas Reduction - Utilising Efficient Lighting Technology

SP XD LED Flood Light Comparison Test Report

Test : Conducted by an Independent consultant.
Test Date: From April 10th 2012

Test Items:
SP XD LED Hi 500Watt Flood Light (60 degree)
130 lumen per watt

SP XD LEDHi 300WattFloodLight(25 degree)
130 lumen per watt

250Watt Metal Halide Flood light
400Watt Metal Halide Flood light
1000Watt Metal Halide Flood light

Test Method:

Light Fixture test conditions:
Relative humidity 60.
Wind speed less than 0.05m/second.
Ambient temperature 25+/-2 degrees C.
All floodlights were mounted in the same. position and then lux ground surface ilumination was measured at nominated distances,5m,7m,10m,12m,15m,18m, 20m.
A calibrated light meter was used.

SP LED XD = Xtreme Durability

The brightest LED floodlight in the world!!

SP XD LED FloodLight

Features:
10 times the life of 2kw Metal halide.
Instant start & IR/M sensor friendly - No More Brown-outs and down time.
95% effecient lenses, designed by CANON
Patented Direct heat path LED cooling technology
Easy installation and maintenance
69% less carbon emissions and power usage.
IP66, Shock resistant & low heat.
Designed to work up to 50degree Celcius ambient temperatures.
50,000 hour life, Options LED: STD 120lm/Wand Hi 160 lum/Watt

SP XD LED Floodlight Options:
100W, 150W, 200W,300W, 360W
400W, 500W, 720W, 1000W.
STD - 120lumen/Watt
Hi - 160lumen per watt

RELIABLE MEANWELL LED DRIVER EQUIPPED

Ground illumination level Test Project

Ground Reading Test data: Measurement Unit: Lux

Distance		250W Metal Halide	400W Metal Halide	1000W Metal Halide	300W SP XD LED 25° Flood Light	500W SP XD LED 60° Flood Light
5M	center	111	190	480	2570	1356
	1M Side	58	91	225	2050	1226
	2M Side	39	61	150	540	874
	3M Side	28	40	99	160	471
7M	center	61	103	255	1245	699
	1M Side	41	56	144	1050	651
	2M Side	29	41	103	480	538
	3M Side	22	29	73	180	385
10 M	center	38	50	130	640	322
	1M Side	29	35	89	560	320
	2M Side	20	24	60	350	298
	3M Side	16	19	49	190	247
12 M	center	26	35	89	457	240
	1M Side	23	25	65	433	231
	2M Side	15	18	47	305	221
	3M Side	12	16	42	183	199
15 M	center	17	23	59	310	163
	1M Side	15	17	41	282	168
	2M Side	10	13	33	221	159
	3M Side	8	11	29	170	152
18 M	center	12	15	37	215	116
	1M Side	11	12	32	197	111
	2M Side	8	10	26	172	111
	3M Side	6	8	21	142	109
20 M	center	8	12	31	175	98
	1M Side	8	11	28	169	95
	2M Side	6	10	26	154	94
	3M Side	4	9	23	121	89

Power Consumption Test Project

Standard Metal Halide has a power transform rate of 60-80%, SP XD LED's power supply has a rate of 90-95%, thus more power can be saved incomparison.

	250W Metal Halide	400W Metal Halide	1000W Metal Halide	300W SP XD LED Flood Light	500W SP XD LED Flood Light
Input Voltage	222V AC	222V AC	222V AC	222V AC	222V AC
Input Current	1.58A	2.57A	6.22A	1.49A	2.45A
Total Power	355W	572W	1387W	331W	545W
Efficiency	71.40%	70.20%	72%	90%	92%