

Lamp life measurement report

Product

Type	1000W 400V DE	Aruna Active Antenna
Batch code(s)	6375 & 6473	
Production date	09-2016	
Quantity	10.500	

Initial performance

Burn-in	100	hrs	
PAR output	2101	μmol/s	average 10 lamps
Lamp voltage	261	V	in sleeve for batch 6375

Life performance data

Life	2600	hrs	
Date measured	18-04-2017		
Bulb related initial failure	0,90%	< 400 hrs	
Fixture/handling related failure	0,60%	< 400 hrs	
PAR output	2070	μmol/s	average 10 lamps
PAR decrease	0,57%	per 1000 hrs	
Lamp voltage	274	V	in sleeve for batch 6375
Voltage increase	4,9	V per 1000 hrs	

Measurements

Lamp no.	V lamp (in sleeve)	PAR (no sleeve)
6375 - 1	254,2	2071
6375 - 2	255,7	2093
6375 - 3	275,0	2071
6375 - 4	278,2	2065
6375 - 5	273,8	2084
6375 - 6	296,2	2077
6375 - 7	254,4	2045
6375 - 8	290,0	2060
6375 - 9	286,9	2067
6375 - 10	274,2	2066

Measurement equipment

Manufacturer	Everfine	Model	HAAS-1200
Bandwidth	350-1000nm	Wavelength accuracy	±0.3nm
Linearity	1%	Photometric Accuracy	±1%
Driver	Philips GreenVision III 1000W 400V		