



GE Lighting

UMSUG Test Report

Report nr.: P130627_269

Date: 27/06/2013

GE Hungary Kft.

Lab manager: Balázs Nagy

Electric Laboratory – Nagykanizsa

Tested by: József Tóth

Test Description:

Measure luminaire Wattage and VA parameters with power analyser without and with dimming to 50% on the following input Voltages: 210V,220V,230V,240V,250V measured in the assembled fixture.

Conditions:

Measurements done at stabilized condition which means that the W changes below 0,5% within 3 measurements 15min intervall between initial measurements and 3min for following.

Ambient Temperature: 25°C+-3°C

Sample size: 6pcs/SKU

Number of datapoints=7(SKU) x 6(sample size) x 5(Voltage level) x 2(dimmed-no dimmed) = 420

Measured SKUs:

SKU	Description
*1	Odyssey LED/FG/CX/55/57/DA/STD/C1/NC/PT60
*2	Odyssey LED/FG/CX/44/57/DA/STD/C1/NC/PT60
*3	Odyssey LED/FG/CX/30/57/DA/STD/C1/NC/PT60
*4	Odyssey LED/FG/CX/20/57/DA/STD/C1/NC/PT60
*5	Odyssey LED/FG/CX/57/57/A/STD/C1/NC/PT60
*6	Odyssey LED/FG/CX/44/57/A/STD/C1/NC/PT60
*7	Odyssey LED/FG/CX/32/57/A/STD/C1/NC/PT60

ODYSSEY LED



*: SKU codes will be generated later.

Test equipments:

Manufacturer	Type	Description	Serial No.	Next calibration date
Yokogawa	WT1030	Digital Power Meter	2W001FN	05/10/2012 – 10/2013
California Inst.	1251RP	AC Power Supply	2J002FN	05/10/2012 – 10/2013

Test Summary:

Measured SKU:

Odyssey LED/FG/CX/55/57/DA/STD/C1/NC/PT60

No dimming

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	55,63	55,59	55,45	55,97	55,89
	VA	56,23	56,29	56,14	56,67	56,59
220v	Watts	55,56	55,51	55,39	55,91	55,83
	VA	56,28	56,34	56,2	56,74	56,66
230v	Watts	55,49	55,48	55,34	55,85	55,79
	VA	56,36	56,47	56,31	56,84	56,77
240v	Watts	55,44	55,43	55,29	55,8	55,74
	VA	56,48	56,6	56,42	56,97	56,9
250v	Watts	55,39	55,39	55,25	55,78	55,7
	VA	56,63	56,78	56,61	57,18	57,08

50% dimming

210v	Watts	28,56	28,9	28,87	29,03	28,93
	VA	29,41	29,85	29,8	29,98	29,88
220v	Watts	28,59	28,92	28,89	29,05	28,96
	VA	29,59	30,03	29,97	30,15	30,06
230v	Watts	28,62	28,96	28,92	29,08	29
	VA	29,78	30,24	30,17	30,35	30,28
240v	Watts	28,65	28,99	28,94	29,12	29,03
	VA	30	30,46	30,37	30,58	30,5
250v	Watts	28,68	29,02	28,97	29,15	29,07
	VA	30,22	30,69	30,6	30,82	30,73

Measured SKU:**Odyssey LED/FG/CX/44/57/DA/STD/C1/NC/PT60****No dimming**

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	43	43,09	43,12	43,4	43,33
	VA	43,69	43,89	43,89	44,2	44,12
220v	Watts	42,96	43,06	43,1	43,37	43,31
	VA	43,78	44	44,01	44,31	44,24
230v	Watts	42,9	43,06	43,09	43,36	43,3
	VA	43,87	44,16	44,16	44,45	44,39
240v	Watts	42,88	43,06	43,07	43,36	43,29
	VA	44,03	44,34	44,32	44,63	44,57
250v	Watts	42,87	43,05	43,07	43,35	43,29
	VA	44,22	44,54	44,52	44,84	44,77

50% dimming

210v	Watts	22,73	22,91	22,9	23,11	23
	VA	23,68	23,95	23,92	24,16	24,04
220v	Watts	22,77	22,96	22,93	23,15	23,05
	VA	23,88	24,16	24,11	24,36	24,25
230v	Watts	22,8	23	22,98	23,2	23,1
	VA	24,08	24,37	24,32	24,58	24,47
240v	Watts	22,84	23,05	23,03	23,26	23,16
	VA	24,32	24,63	24,58	24,83	24,72
250v	Watts	22,88	23,11	23,08	23,31	23,21
	VA	24,55	24,88	24,82	25,07	24,98

Measured SKU:

Odyssey LED/FG/CX/30/57/DA/STD/C1/NC/PT60

No dimming

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	29,65	29,58	29,55	29,82	29,73
	VA	30,49	30,52	30,47	30,76	30,67
220v	Watts	29,66	29,59	29,56	29,84	29,76
	VA	30,64	30,69	30,63	30,93	30,85
230v	Watts	29,66	29,62	29,58	29,86	29,78
	VA	30,82	30,89	30,82	31,13	31,05
240v	Watts	29,68	29,66	29,6	29,89	29,81
	VA	31,02	31,11	31,03	31,35	31,26
250v	Watts	29,7	29,68	29,63	29,92	29,84
	VA	31,25	31,34	31,26	31,58	31,5

50% dimming

210v	Watts	16,59	16,61	16,62	16,79	16,71
	VA	17,68	17,78	17,77	17,96	17,88
220v	Watts	16,63	16,68	16,68	16,86	16,77
	VA	17,89	18,02	18	18,21	18,11
230v	Watts	16,69	16,74	16,74	16,93	16,84
	VA	18,13	18,27	18,23	18,45	18,36
240v	Watts	16,74	16,82	16,81	17,01	16,92
	VA	18,37	18,51	18,48	18,7	18,61
250v	Watts	16,79	16,9	16,89	17,08	16,99
	VA	18,63	18,78	18,74	18,96	18,88

Measured SKU:

Odyssey LED/FG/CX/20/57/DA/STD/C1/NC/PT60

No dimming

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	19,93	19,97	20,04	20,16	20,01
	VA	20,95	21,07	21,12	21,26	21,11
220v	Watts	19,97	20,01	20,08	20,2	20,06
	VA	21,13	21,27	21,31	21,46	21,32
230v	Watts	20	20,06	20,12	20,25	20,12
	VA	21,35	21,5	21,54	21,68	21,55
240v	Watts	20,03	20,11	20,18	20,31	20,17
	VA	21,57	21,74	21,79	21,94	21,8
250v	Watts	20,08	20,17	20,24	20,37	20,24
	VA	21,84	22	22,04	22,2	22,07

50% dimming

210v	Watts	11,35	11,67	11,88	11,72	11,7
	VA	12,61	12,98	13,16	13,03	13,01
220v	Watts	11,41	11,75	11,95	11,79	11,79
	VA	12,84	13,22	13,4	13,27	13,25
230v	Watts	11,47	11,85	12,03	11,89	11,88
	VA	13,1	13,49	13,64	13,53	13,51
240v	Watts	11,54	11,94	12,12	11,98	11,97
	VA	13,37	13,76	13,92	13,81	13,79
250v	Watts	11,61	12,04	12,2	12,07	12,08
	VA	13,65	14,05	14,18	14,08	14,08

Measured SKU:

Odyssey LED/FG/CX/57/57/A/STD/C1/NC/PT60

No dimming

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	57,4	57,71	57,58	57,78	57,33
	VA	58,66	58,97	58,9	59,03	58,59
220v	Watts	57,45	57,76	57,64	57,83	57,38
	VA	58,85	59,17	59,12	59,22	58,78
230v	Watts	57,52	57,83	57,7	57,89	57,45
	VA	59,07	59,4	59,36	59,44	59
240v	Watts	57,58	57,89	57,76	57,96	57,51
	VA	59,28	59,62	59,6	59,67	59,22
250v	Watts	57,66	57,96	57,83	58,03	57,58
	VA	59,52	59,87	59,84	59,9	59,46

50% dimming

210v	Watts	32,59	33,18	32,48	33,28	32,67
	VA	34,17	34,77	34,34	34,84	34,23
220v	Watts	32,71	33,32	32,62	33,39	32,78
	VA	34,44	35,06	34,66	35,12	34,5
230v	Watts	32,83	33,45	32,76	33,52	32,9
	VA	34,72	35,37	34,95	35,41	34,78
240v	Watts	32,96	33,59	32,9	33,66	33,04
	VA	35,02	35,7	35,26	35,72	35,09
250v	Watts	33,09	33,75	33,06	33,8	33,19
	VA	35,34	36,05	35,6	36,06	35,43

Measured SKU:

Odyssey LED/FG/CX/44/57/A/STD/C1/NC/PT60

No dimming

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	43,92	44,11	44,07	44,07	43,81
	VA	45,31	45,71	45,46	45,46	45,2
220v	Watts	44	44,19	44,15	44,15	43,89
	VA	45,54	45,95	45,69	45,69	45,42
230v	Watts	44,1	44,27	44,25	44,25	43,99
	VA	45,79	46,2	45,95	45,95	45,67
240v	Watts	44,2	44,38	44,35	44,35	44,08
	VA	46,05	46,47	46,21	46,21	45,93
250v	Watts	44,3	44,48	44,46	44,46	44,19
	VA	46,32	46,75	46,49	46,49	46,2

50% dimming

210v	Watts	25,46	25,55	25,89	25,89	25,45
	VA	27,2	27,65	27,63	27,63	27,18
220v	Watts	25,58	25,69	26,02	26,02	25,59
	VA	27,49	27,97	27,94	27,94	27,48
230v	Watts	25,74	25,85	26,18	26,18	25,74
	VA	27,84	28,34	28,28	28,28	27,82
240v	Watts	25,92	26,02	26,34	26,34	25,81
	VA	28,24	28,73	28,68	28,68	28,16
250v	Watts	25,81	25,94	26,51	26,51	25,76
	VA	29,73	29,96	29,15	29,15	29,82

Measured SKU:

Odyssey LED/FG/CX/32/57/A/STD/C1/NC/PT60

No dimming

Voltage		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
210v	Watts	31,43	31,51	31,52	31,52	31,37
	VA	33	33,11	33,1	33,1	32,93
220v	Watts	31,54	31,62	31,63	31,63	31,48
	VA	33,28	33,39	33,38	33,38	33,2
230v	Watts	31,68	31,76	31,77	31,77	31,61
	VA	33,57	33,71	33,68	33,68	33,5
240v	Watts	31,81	31,89	31,9	31,9	31,74
	VA	33,89	34,02	33,99	33,99	33,8
250v	Watts	31,95	32,04	32,04	32,04	31,88
	VA	34,23	34,38	34,35	34,35	34,15

50% dimming

210v	Watts	18,57	18,93	18,8	18,8	18,5
	VA	21,69	21,6	21,33	21,33	21,58
220v	Watts	18,6	18,93	18,78	18,78	18,5
	VA	22,94	23,08	22,8	22,8	22,9
230v	Watts	18,66	18,99	18,81	18,81	18,5
	VA	24,15	24,3	24,01	24,01	24,12
240v	Watts	18,63	18,99	18,84	18,84	18,52
	VA	25,15	25,22	25,21	25,21	25,43
250v	Watts	18,66	19	18,89	18,89	18,54
	VA	26,27	26,52	26,35	26,35	26,67

Tested by (name + signature).....: József Tóth

Tóth József

Approved by (+ signature): Balázs Nagy

Nagy Balázs