



# Energy UNO

## LED Väg-/Områdesarmatur

### FUNKTIONER

- Full cut-off optik och LED PCB kompatibelt med Zhaga Book 15
- LED ljusflöde upp till 8600lm
- Zhaga Book 15 kompatibel LED modul effektivitet (exkl optiskt system):  $\geq 185$  lm/W
- Effektivitet armatur (inkl optiska förluster): upp till 160 lm/W
- CCT: 2200K\*, 2700K, 3000K @Ra80 och 4000K, 5700K@ Ra70 (\*På begäran MOQ)
- CRI Standard min. 70, CRI80 @3000K
- Initial SDCM:  $\leq 4$ -Step MacAdam ellipse eller  $\Delta u'v' \leq 0.003$  (LM80:08)
- SDCM @ 6.000 timmar:  $\leq 7$ -Step MacAdam ellipse eller  $\Delta u'v' \leq 0.007$  (LM80:08)
- Bibehållningsfaktor ljusflöde (LMF): L978B101 upp till 100 000 timmar  $T_a=25^\circ\text{C}$  (Enligt IESNA TM-21)
- IP klass optik och elektronikhus: IP66 (IEC 60529)
- IK klass optik och elektronikhus:  $\geq \text{IK10}$  (EN 62262)
- Överspänningsskydd: upp till 10kV CM/DM enligt EN61000-4-5 och EN 61547
- Driver utrustad med överhettningsskydd för optimal prestanda och säkerhet.
- Omgivningstemperatur ( $T_a$ ):  $-40^\circ\text{C}$  upp till  $+50^\circ\text{C}$
- Kontroll optioner: Virtual Midnight, DALI 2, Constant Flow, Flow Regulator, Lineswitch, D4i
- Tillgänglig med Zhaga Book 18 kontakt

### KONSTRUKTION OCH MATERIAL

- Armaturhus av gjutet aluminium med låg kopparhalt
- Drivdonsutrymme åtkomligt utan verktyg
- Demonerbar inkopplingsplatta
- Knivkontakt
- 4mm genomskinligt planglas
- Utbytbara PMMA linser
- Utbytbar LED modul med ESD skydd
- Kabel typ H07RN-F (Förmonterad kabel upp till 10m)
- Enkel installation: armaturen behöver inte öppnas när version med förmonterad kabel väljs,
- Enkelhet vid både vanligt och extraordinärt underhåll: montageplatta för drivdon utbytbar utan verktyg; linser och LED modul enkelt att byta med ett och samma verktyg
- Armaturen sammansatt helt utan användande av lim, alla delar demonterbara och återvinningsbara

### GARANTI OCH CERTIFIKAT

- Garanti: 5 år
- CE /CB /ENEC /RoHS
- Riskgrupp undantagen i enlighet med standard CEI EN 62471 för fotobiologisk säkerhet (Tested IEC/TR62778)
- Kompatibel med: EN 60598-1; EN 60598-2-3
- Blyfri pulverlack med utmärkt hållbarhet för användning utomhus
- Vidhäftnings test - följer ISO 2409
- Salt spray test - NSS följer ISO 9227
- Vittringstest (accelererad) - UV följer ISO 16474-2(ex ISO 11507)
- Luftfuktighetstest - följer ISO 6270-1

### ELEKTRISK DATA\*

Lumen paket	Systemeffekt, max (W) 220-240V	Total ström	Powerfaktor
		@230V, 50Hz	
2L	15W	0,07	0,94
4L	28W	0,125	0,97
6L	41W	0,181	0,98
8L	54W	0,238	0,98

\*vid 25°C

### LMF 075, 100 & 125-OPTIK – REKOMENDERAD BIBEHÅLLNINGSAKTOR (LMF)<sup>1</sup>

Ambient	LMF iniziale	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated <sup>3</sup> LMF
25°C	1	0,97	0,94	0,92	0,90

### LMF SCP-OPTIK – REKOMENDERAD BIBEHÅLLNINGSAKTOR (LMF)<sup>1</sup>

Omgivning °C	LMF initial	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated <sup>3</sup> LMF
25°C	1	0,99	0,98	0,98	0,97

<sup>1</sup> Underhållsvärden för ljusflöde beräknat vid 25°C, med TM-21 baserat på LM-80 data och på-platsen tester.

<sup>2</sup> I enlighet med IESNA TM-21-11, är värdena som visas i "Projected" kolumnen representerar interpolerade sex gånger (6X) total varaktighet i timmar av testerna (utförda enligt IESNA LM-80-08) som enheten har utsatts för ((DUT) t.ex. LED-chip).

<sup>3</sup> I enlighet med IESNA TM-21-11, är värdena som visas i "Projected" kolumnen representerar interpolerade mer än sex gånger (6X) total varaktighet i timmar av testerna (utförda enligt IESNA LM-80-08) som enheten har utsatts för ((DUT) t.ex. LED-chip).

### TILLGÄNGLIGA ALTERNATIV MED NEMA

FX-N	NEMA 7-pin kombinerad med fast effekt (FX)	(av-på)
VM-N	NEMA 7-pin kombinerad med midnattssänkning (VM)	(av-på)
DL-N	NEMA 7-pin ansluten till DALI 2.0 driver	(av-på + Dim)
CL-N	NEMA 7-pin kombinerad konstant ljusflöde (CLO)	(av-på)
VMC-N	NEMA 7-pin kombinerad med VM+CLO	(av-på)

av-på: NEMA möjliggör bara av-på av amaturen

av-på + Dim: NEMA möjliggör av-på och dimring av amaturen

### TILLGÄNGLIGA ALTERNATIV MED ZHAGA

FX-Z	Zhaga Book 18 kontakt & D4i driver kombinerad med fast effekt (FX)
VM-Z	Zhaga Book 18 kontakt & D4i driver kombinerad med midnattssänkning (VM)
CL-Z	Zhaga Book 18 kontakt & D4i driver kombinerad konstant ljusflöde (CLO)
VMC-Z	Zhaga Book 18 kontakt & D4i driver kombinerad med VM+CLO



**Control options - Variant S - N(Optics 075 - 100 - 125)**

FX - FIXED OUTPUT					
Setting Code	System Watts W	Nominal flux (lm)			Description
		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>					
FXA10HA0-00001	54	6872	7782	8640	FIXED OUTPUT 54W
FXA10HA0-00002	36	4847	5489	6094	FIXED OUTPUT 36W
FXA10HA0-00003	27	3729	4223	4689	FIXED OUTPUT 27W
<b>LUMEN PACKAGE 6L</b>					
FXA10FA0-00001	41	5220	5220	6562	FIXED OUTPUT 41W
FXA10FA0-00002	27	3682	3682	4629	FIXED OUTPUT 27W
FXA10FA0-00003	21	2833	2833	3561	FIXED OUTPUT 21W
<b>LUMEN PACKAGE 4L</b>					
FXA10DA0-00001	28	3429	3883	4311	FIXED OUTPUT 28W
FXA10DA0-00002	19	2419	2739	3041	FIXED OUTPUT 19W
FXA10DA0-00003	14	1861	2107	2340	FIXED OUTPUT 14W
<b>LUMEN PACKAGE 2L</b>					
FXA10BA0-00001	15	1694	1918	2130	FIXED OUTPUT 15W
FXA10BA0-00002	10	1195	1353	1502	FIXED OUTPUT 10W
FXA10BA0-00003	8	919	1041	1156	FIXED OUTPUT 8W

VM - VIRTUAL MIDNIGHT (Lumen package 8L - 6L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>													
VMA10HA0-0013	54	6872	7782	8640	36	4847	5178	6094	27	3729	4223	4689	VM ON-54W / 21:00-36W / 24:00-27W / 04:00-36W/06:00-54W
VMA10HA0-0014	36	4847	5489	6094	24	3363	3592	4228	19	2543	2879	3197	VM ON-36W / 21:00-24W / 24:00-19W /04:00-24W/06:00- 36W
VMA10HA0-0015	27	3729	4223	4689	19	2543	2716	3197	15	1947	2205	2448	VM ON-27W / 21:00-19W / 24:00-15W / 04:00-19W/06:00-27W
VMA10HA0-0001	54	6872	7782	8640					27	3729	4223	4689	VM ON-54W / 22:00-27W / 06:00-54W
VMA10HA0-0002	54	6872	7782	8640					36	4847	5489	6094	VM ON-54W / 22:00-36W / 06:00-54W
VMA10HA0-0003	36	4847	5489	6094					19	2543	2879	3197	VM ON-36W / 22:00-19W / 06:00-36W
VMA10HA0-0004	36	4847	5489	6094					24	3363	3808	4228	VM ON-36W / 22:00-24W / 06:00-36W
VMA10HA0-0005	27	3729	4223	4689					15	1947	2205	2448	VM ON-27W / 22:00-15W / 06:00-27W
VMA10HA0-0006	27	3729	4223	4689					19	2543	2879	3197	VM ON-27W / 22:00-19W / 06:00-27W
VMA10HA0-0007	54	6872	7782	8640					27	3729	4223	4689	VM ON-54W / 00:00-27W / 06:00-54W
VMA10HA0-0008	54	6872	7782	8640					36	4847	5489	6094	VM ON-54W / 00:00-36W / 06:00-54W
VMA10HA0-0009	36	4847	5489	6094					19	2543	2879	3197	VM ON-36W / 00:00-19W / 06:00-36W
VMA10HA0-0010	36	4847	5489	6094					24	3363	3808	4228	VM ON-36W / 00:00-24W / 06:00-36W
VMA10HA0-0011	27	3729	4223	4689					15	1947	2205	2448	VM ON-27W / 00:00-15W / 06:00-27W
VMA10HA0-0012	27	3729	4223	4689					19	2543	2879	3197	VM ON-27W / 00:00-19W / 06:00-27W
<b>LUMEN PACKAGE 6L</b>													
VMA10FA0-0013	41	5220	5220	6562					21	2833	2833	3561	VM ON-41W / 21:00-27W / 24:00-21W /04:00-27W/06:00- 41W
VMA10FA0-0014	27	3682	3682	4629	27	3682	3933	4629	14	1931	1931	2428	VM ON-27W / 21:00-19W / 24:00-14W /04:00-19W/06:00-27W
VMA10FA0-0015	21	2833	2833	3561	19	2554	2728	3211	11	1479	1479	1859	VM ON-21W / 21:00-14W / 24:00-11W /04:00-14W/06:00-21W
VMA10FA0-0001	41	5220	5220	6562	14	1931	2063	2428	21	2833	2833	3561	VM ON-41W / 22:00-21W / 06:00-41W
VMA10FA0-0002	41	5220	5220	6562					27	3682	3682	4629	VM ON-41W / 22:00-27W / 06:00-41W
VMA10FA0-0003	27	3682	3682	4629					14	1931	1931	2428	VM ON-27W / 22:00-14W / 06:00-27W
VMA10FA0-0004	27	3682	3682	4629					19	2554	2554	3211	VM ON-27W / 22:00-19W / 06:00-27W
VMA10FA0-0005	21	2833	2833	3561					11	1479	1479	1859	VM ON-21W / 22:00-11W / 06:00-21W
VMA10FA0-0006	21	2833	2833	3561					14	1931	1931	2428	VM ON-21W / 22:00-14W / 06:00-21W
VMA10FA0-0007	41	5220	5220	6562					21	2833	2833	3561	VM ON-41W / 00:00-21W / 06:00-41W
VMA10FA0-0008	41	5220	5220	6562					27	3682	3682	4629	VM ON-41W / 00:00-27W / 06:00-41W
VMA10FA0-0009	27	3682	3682	4629					14	1931	1931	2428	VM ON-27W / 00:00-14W / 06:00-27W
VMA10FA0-0010	27	3682	3682	4629					19	2554	2554	3211	VM ON-27W / 00:00-19W / 06:00-27W
VMA10FA0-0011	21	2833	2833	3561					11	1479	1479	1859	VM ON-21W / 00:00-11W / 06:00-21W
VMA10FA0-0012	21	2833	2833	3561					14	1931	1931	2428	VM ON-21W / 00:00-14W / 06:00-21W



## Control options - Variant S - N(Optics 075 - 100 - 125)

VM - VIRTUAL MIDNIGHT(Lumen package 4L - 2L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 4L</b>													
VMA10DA0-0013	28	3429	3883	4311	19	2419	2739	3041	14	1861	2107	2340	VM ON-28W / 21:00-19W / 24:00-14W / 04:00-19W/06:00-28W
VMA10DA0-0014	19	2419	2739	3041	13	1678	1900	2110	10	1269	1437	1595	VM ON-19W / 21:00-13W / 24:00-10W / 04:00-13W/06:00-19W
VMA10DA0-0015	14	1861	2107	2340	10	1269	1437	1595	8	972	1100	1221	VM ON-14 / 21:00-10W / 24:00-8W / 04:00-10W/06:00-14W
VMA10DA0-0001	28	3429	3883	4311					14	1861	2107	2340	VM ON-28W / 22:00-14W / 06:00-28W
VMA10DA0-0002	28	3429	3883	4311					19	2419	2739	3041	VM ON-28W / 22:00-19W / 06:00-28W
VMA10DA0-0003	19	2419	2739	3041					10	1269	1437	1595	VM ON-19W / 22:00-10W / 06:00-19W
VMA10DA0-0004	19	2419	2739	3041					13	1678	1900	2110	VM ON-19W / 22:00-13W / 06:00-19W
VMA10DA0-0005	14	1861	2107	2340					8	972	1100	1221	VM ON-14W / 22:00-8W / 06:00-14W
VMA10DA0-0006	14	1861	2107	2340					10	1269	1437	1595	VM ON-14W / 22:00-10W / 06:00-14W
VMA10DA0-0007	28	3429	3883	4311					14	1861	2107	2340	VM ON-28W / 00:00-14W / 06:00-28W
VMA10DA0-0008	28	3429	3883	4311					19	2419	2739	3041	VM ON-28W / 00:00-19W / 06:00-28W
VMA10DA0-0009	19	2419	2739	3041					10	1269	1437	1595	VM ON-19W / 00:00-10W / 06:00-19W
VMA10DA0-0010	19	2419	2739	3041					13	1678	1900	2110	VM ON-19W / 00:00-13W / 06:00-19W
VMA10DA0-0011	14	1861	2107	2340					8	972	1100	1221	VM ON-14W / 00:00-8W / 06:00-14W
VMA10DA0-0012	14	1861	2107	2340					10	1269	1437	1595	VM ON-14W / 00:00-10W / 06:00-14W
<b>LUMEN PACKAGE 2L</b>													
VMA10BA0-0013	15	1694	1918	2130	10	1195	1353	1502	8	919	1041	1156	VM ON-15W / 21:00-10W / 24:00-8W / 04:00-10W/06:00-15W
VMA10BA0-0014	10	1195	1353	1502	7	829	939	1042	5	627	710	788	VM ON-10W / 21:00-7W / 24:00-5W / 04:00-7W /06:00-10W
VMA10BA0-0015	8	919	1041	1156	5	627	710	788	4	480	543	603	VM ON-8W / 21:00-5W / 24:00-4W / 04:00-5W /06:00-8W
VMA10BA0-0001	15	1694	1918	2130					8	919	1041	1156	VM ON-15W / 22:00-8W / 06:00-15W
VMA10BA0-0002	15	1694	1918	2130					10	1195	1353	1502	VM ON-15W / 22:00-10W / 06:00-15W
VMA10BA0-0003	10	1195	1353	1502					5	627	710	788	VM ON-10W / 22:00-5W / 06:00-10W
VMA10BA0-0004	10	1195	1353	1502					7	829	939	1042	VM ON-10W / 22:00-7W / 06:00-10W
VMA10BA0-0005	8	919	1041	1156					4	480	543	603	VM ON-8W / 22:00-4W / 06:00-7W
VMA10BA0-0006	8	919	1041	1156					5	627	710	788	VM ON-8W / 22:00-5W / 06:00-7W
VMA10BA0-0007	15	1694	1918	2130					8	919	1041	1156	VM ON-15W / 00:00-8W / 06:00-15W
VMA10BA0-0008	15	1694	1918	2130					10	1195	1353	1502	VM ON-15W / 00:00-10W / 06:00-15W
VMA10BA0-0009	10	1195	1353	1502					5	627	710	788	VM ON-10W / 00:00-5W / 06:00-10W
VMA10BA0-0010	10	1195	1353	1502					7	829	939	1042	VM ON-10W / 00:00-7W / 06:00-10W
VMA10BA0-0011	8	919	1041	1156					4	480	543	603	VM ON-8W / 00:00-4W / 06:00-7W
VMA10BA0-0012	8	919	1041	1156					5	627	710	788	VM ON-8W / 00:00-5W / 06:00-7W

G - LINESWITCH										
Setting Code	System Watts W (High Mode)	Nominal flux (lm)			System Watts W (Low Mode)	Nominal flux (lm)			Description	
		2700K	3000K	4000K		2700K	3000K	4000K		
<b>LUMEN PACKAGE 8L</b>										
LWE10HA0-0001	54	6872	7782	8640	27	3729	4223	4689	LINESWITCH (100%/50%) - 54W/27W	
LWE10HA0-0002	36	4847	5489	6094	19	2543	2879	3197	LINESWITCH (100%/50%) - 36W/19W	
LWE10HA0-0003	27	3729	4223	4689	15	1947	2205	2448	LINESWITCH (100%/50%) - 27W/15W	
<b>LUMEN PACKAGE 6L</b>										
LWE10FA0-0001	41	5220	5220	6562	21	2833	2833	3561	LINESWITCH (100%/50%) - 41W/21W	
LWE10FA0-0002	27	3682	3682	4629	14	1931	1931	2428	LINESWITCH (100%/50%) - 27W/14W	
LWE10FA0-0003	21	2833	2833	3561	11	1479	1479	1859	LINESWITCH (100%/50%) - 21W/11W	
<b>LUMEN PACKAGE 4L</b>										
LWE10DA0-0001	28	3429	3883	4311	14	1861	2107	2340	LINESWITCH (100%/50%) - 28W/14W	
LWE10DA0-0002	19	2419	2739	3041	10	1269	1437	1595	LINESWITCH (100%/50%) - 19W/10W	
LWE10DA0-0003	14	1861	2107	2340	8	972	1100	1221	LINESWITCH (100%/50%) - 14W/8W	
<b>LUMEN PACKAGE 2L</b>										
LWLE10BA0-0001	15	1694	1918	2130	8	919	1041	1156	LINESWITCH (100%/50%) - 15W/8W	
LWLE10BA0-0002	10	1195	1353	1502	5	627	710	788	LINESWITCH (100%/50%) - 10W/5W	
LWLE10BA0-0003	8	919	1041	1156	4	480	543	603	LINESWITCH (100%/50%) - 8W/4W	



## Control options - Variant S - N(Optics 075 - 100 - 125)

DL (DALI DIMMABLE)						
Lumen Package	Setting Code	System Watts W	Nominal flux (lm)			Description
			2700K	3000K	4000K	
8L	DLE10HA0-0001	54	6872	7782	8640	DALI MAX 54W
6L	DLE10FA0-0001	41	5220	5220	6562	DALI MAX 41W
4L	DLE10DA0-0001	28	3429	3883	4311	DALI MAX 28W
2L	DLE10BA0-0001	15	1694	1918	2130	DALI MAX 15W

FR - FLUX REGULATOR									
Setting Code	System Watts W (High Mode)	Nominal flux (lm)			System Watts W (Low Mode)	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>									
RFA10HA0-0001	54	6872	7782	8640	36	4847	5489	6094	REG. FLUSSO 54W@230V / 36W@170V
RFA10HA0-0002	54	6872	7782	8640	27	3729	4223	4689	REG. FLUSSO 54W@230V / 27W@170V
RFA10HA0-0003	36	4847	5489	6094	24	3363	3808	4228	REG. FLUSSO 36W@230V / 24W@170V
RFA10HA0-0004	36	4847	5489	6094	19	2543	2879	3197	REG. FLUSSO 36W@230V / 19W@170V
RFA10HA0-0005	27	3729	4223	4689	19	2543	2879	3197	REG. FLUSSO 27W@230V / 19W@170V
RFA10HA0-0006	27	3729	4223	4689	15	1947	2205	2448	REG. FLUSSO 27W@230V / 15W@170V
<b>LUMEN PACKAGE 6L</b>									
RFA10FA0-0001	41	5220	5220	6562	27	3682	3682	4629	REG. FLUSSO 41W@230V / 27W@170V
RFA10FA0-0002	41	5220	5220	6562	21	2833	2833	3561	REG. FLUSSO 41W@230V / 21W@170V
RFA10FA0-0003	27	3682	3682	4629	19	2554	2554	3211	REG. FLUSSO 27W@230V / 19W@170V
RFA10FA0-0004	27	3682	3682	4629	14	1931	1931	2428	REG. FLUSSO 27W@230V / 14W@170V
RFA10FA0-0005	21	2833	2833	3561	14	1931	1931	2428	REG. FLUSSO 21W@230V / 14W@170V
RFA10FA0-0006	21	2833	2833	3561	11	1479	1479	1859	REG. FLUSSO 21W@230V / 11W@170V
<b>LUMEN PACKAGE 4L</b>									
RFA10DA0-0001	28	3429	3883	4311	19	2419	2739	3041	REG. FLUSSO 28W@230V / 19W@170V
RFA10DA0-0002	28	3429	3883	4311	14	1861	2107	2340	REG. FLUSSO 28W@230V / 14W@170V
RFA10DA0-0003	19	2419	2739	3041	13	1678	1900	2110	REG. FLUSSO 19W@230V / 13W@170V
RFA10DA0-0004	19	2419	2739	3041	10	1269	1437	1595	REG. FLUSSO 19W@230V / 10W@170V
RFA10DA0-0005	14	1861	2107	2340	10	1269	1437	1595	REG. FLUSSO 14W@230V / 10W@170V
RFA10DA0-0006	14	1861	2107	2340	8	972	1100	1221	REG. FLUSSO 14W@230V / 8W@170V
<b>LUMEN PACKAGE 2L</b>									
RFA10BA0-0001	15	1694	1918	2130	10	1195	1353	1502	REG. FLUSSO 15W@230V / 10W@170V
RFA10BA0-0002	15	1694	1918	2130	8	919	1041	1156	REG. FLUSSO 15W@230V / 8W@170V
RFA10BA0-0003	10	1195	1353	1502	7	829	939	1042	REG. FLUSSO 10W@230V / 7W@170V
RFA10BA0-0004	10	1195	1353	1502	5	627	710	788	REG. FLUSSO 10W@230V / 5W@170V
RFA10BA0-0005	8	919	1041	1156	5	627	710	788	REG. FLUSSO 8W@230V / 5W@170V
RFA10BA0-0006	8	919	1041	1156	4	480	543	603	REG. FLUSSO 8W@230V / 4W@170V

CL*	
Setting Code	Description
CL###-****	CLO 50.000 HOURS START AT 90%
CL###-****	CLO 100.000 HOURS START AT 80%

\*Standard CLO to be matched to programme powers for FX option for S-N variants, please for information contact Cree Lighting Europe.

VMC*	
Setting Code	Description
VMC###-****	CLO 50.000 HOURS START AT 90%
VMC###-****	CLO 100.000 HOURS START AT 80%

\*Standard CLO to be matched to the wattage of the VM option programmes for S-N variants, please for information contact Cree Lighting Europe.



## Control options - Variant Z (Optics 075 - 100 - 125)

FX - FIXED OUTPUT					
Setting Code	System Watts W	Nominal flux (lm)			Description
		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>					
FXP10HA0-0001	54	6872	7782	8640	FIXED OUTPUT 54W
FXP10HA0-0002	36	4847	5489	6094	FIXED OUTPUT 36W
FXP10HA0-0003	27	3729	4223	4689	FIXED OUTPUT 27W
<b>LUMEN PACKAGE 6L</b>					
FXP10FA0-0001	41	5220	5220	6562	FIXED OUTPUT 41W
FXP10FA0-0002	27	3682	3682	4629	FIXED OUTPUT 27W
FXP10FA0-0003	21	2833	2833	3561	FIXED OUTPUT 21W
<b>LUMEN PACKAGE 4L</b>					
FXP10DA0-0001	28	3429	3883	4311	FIXED OUTPUT 28W
FXP10DA0-0002	19	2419	2739	3041	FIXED OUTPUT 19W
FXP10DA0-0003	14	1861	2107	2340	FIXED OUTPUT 14W
<b>LUMEN PACKAGE 2L</b>					
FXP102B0-0001	15	1694	1918	2130	FIXED OUTPUT 15W
FXP102B0-0002	10	1195	1353	1502	FIXED OUTPUT 10W
FXP102B0-0003	8	919	1041	1156	FIXED OUTPUT 8W

VM - VIRTUAL MIDNIGHT (Lumen package 8L - 6L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>													
VMP10HA0-0013	54	6872	7782	8640	36	4847	5178	6094	27	3729	4223	4689	VM ON-54W / 21:00-36W / 24:00-27W / 04:00-36W/06:00-54W
VMP10HA0-0014	36	4847	5489	6094	24	3363	3592	4228	19	2543	2879	3197	VM ON-36W / 21:00-24W / 24:00-19W / 04:00-24W/06:00- 36W
VMP10HA0-0015	27	3729	4223	4689	19	2543	2716	3197	15	1947	2205	2448	VM ON-27W / 21:00-19W / 24:00-15W / 04:00-19W/06:00-27W
VMP10HA0-0001	54	6872	7782	8640					27	3729	4223	4689	VM ON-54W / 22:00-27W / 06:00-54W
VMP10HA0-0002	54	6872	7782	8640					36	4847	5489	6094	VM ON-54W / 22:00-36W / 06:00-54W
VMP10HA0-0003	36	4847	5489	6094					19	2543	2879	3197	VM ON-36W / 22:00-19W / 06:00-36W
VMP10HA0-0004	36	4847	5489	6094					24	3363	3808	4228	VM ON-36W / 22:00-24W / 06:00-36W
VMP10HA0-0005	27	3729	4223	4689					15	1947	2205	2448	VM ON-27W / 22:00-15W / 06:00-27W
VMP10HA0-0006	27	3729	4223	4689					19	2543	2879	3197	VM ON-27W / 22:00-19W / 06:00-27W
VMP10HA0-0007	54	6872	7782	8640					27	3729	4223	4689	VM ON-54W / 00:00-27W / 06:00-54W
VMP10HA0-0008	54	6872	7782	8640					36	4847	5489	6094	VM ON-54W / 00:00-36W / 06:00-54W
VMP10HA0-0009	36	4847	5489	6094					19	2543	2879	3197	VM ON-36W / 00:00-19W / 06:00-36W
VMP10HA0-0010	36	4847	5489	6094					24	3363	3808	4228	VM ON-36W / 00:00-24W / 06:00-36W
VMP10HA0-0011	27	3729	4223	4689					15	1947	2205	2448	VM ON-27W / 00:00-15W / 06:00-27W
VMP10HA0-0012	27	3729	4223	4689					19	2543	2879	3197	VM ON-27W / 00:00-19W / 06:00-27W
<b>LUMEN PACKAGE 6L</b>													
VMP10FA0-0013	41	5220	5220	6562					21	2833	2833	3561	VM ON-41W / 21:00-27W / 24:00-21W / 04:00-27W/06:00- 41W
VMP10FA0-0014	27	3682	3682	4629	27	3682	3933	4629	14	1931	1931	2428	VM ON-27W / 21:00-19W / 24:00-14W / 04:00-19W/06:00-27W
VMP10FA0-0015	21	2833	2833	3561	19	2554	2728	3211	11	1479	1479	1859	VM ON-21W / 21:00-14W / 24:00-11W / 04:00-14W/06:00-21W
VMP10FA0-0001	41	5220	5220	6562	14	1931	2063	2428	21	2833	2833	3561	VM ON-41W / 22:00-21W / 06:00-41W
VMP10FA0-0002	41	5220	5220	6562					27	3682	3682	4629	VM ON-41W / 22:00-27W / 06:00-41W
VMP10FA0-0003	27	3682	3682	4629					14	1931	1931	2428	VM ON-27W / 22:00-14W / 06:00-27W
VMP10FA0-0004	27	3682	3682	4629					19	2554	2554	3211	VM ON-27W / 22:00-19W / 06:00-27W
VMP10FA0-0005	21	2833	2833	3561					11	1479	1479	1859	VM ON-21W / 22:00-11W / 06:00-21W
VMP10FA0-0006	21	2833	2833	3561					14	1931	1931	2428	VM ON-21W / 22:00-14W / 06:00-21W
VMP10FA0-0007	41	5220	5220	6562					21	2833	2833	3561	VM ON-41W / 00:00-21W / 06:00-41W
VMP10FA0-0008	41	5220	5220	6562					27	3682	3682	4629	VM ON-41W / 00:00-27W / 06:00-41W
VMP10FA0-0009	27	3682	3682	4629					14	1931	1931	2428	VM ON-27W / 00:00-14W / 06:00-27W
VMP10FA0-0010	27	3682	3682	4629					19	2554	2554	3211	VM ON-27W / 00:00-19W / 06:00-27W
VMP10FA0-0011	21	2833	2833	3561					11	1479	1479	1859	VM ON-21W / 00:00-11W / 06:00-21W
VMP10FA0-0012	21	2833	2833	3561					14	1931	1931	2428	VM ON-21W / 00:00-14W / 06:00-21W



## Control options - Variant Z (Optics 075 - 100 - 125)

VM - VIRTUAL MIDNIGHT (Lumen package 4L - 2L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 4L</b>													
VMP10DA0-0013	28	3429	3883	4311	19	2419	2739	3041	14	1861	2107	2340	VM ON-28W / 21:00-19W / 24:00-14W / 04:00-19W/06:00-28W
VMP10DA0-0014	19	2419	2739	3041	13	1678	1900	2110	10	1269	1437	1595	VM ON-19W / 21:00-13W / 24:00-10W / 04:00-13W/06:00-19W
VMP10DA0-0015	14	1861	2107	2340	10	1269	1437	1595	8	972	1100	1221	VM ON-14 / 21:00-10W / 24:00-8W / 04:00-10W/06:00-14W
VMP10DA0-0001	28	3429	3883	4311					14	1861	2107	2340	VM ON-28W / 22:00-14W / 06:00-28W
VMP10DA0-0002	28	3429	3883	4311					19	2419	2739	3041	VM ON-28W / 22:00-19W / 06:00-28W
VMP10DA0-0003	19	2419	2739	3041					10	1269	1437	1595	VM ON-19W / 22:00-10W / 06:00-19W
VMP10DA0-0004	19	2419	2739	3041					13	1678	1900	2110	VM ON-19W / 22:00-13W / 06:00-19W
VMP10DA0-0005	14	1861	2107	2340					8	972	1100	1221	VM ON-14W / 22:00-8W / 06:00-14W
VMP10DA0-0006	14	1861	2107	2340					10	1269	1437	1595	VM ON-14W / 22:00-10W / 06:00-14W
VMP10DA0-0007	28	3429	3883	4311					14	1861	2107	2340	VM ON-28W / 00:00-14W / 06:00-28W
VMP10DA0-0008	28	3429	3883	4311					19	2419	2739	3041	VM ON-28W / 00:00-19W / 06:00-28W
VMP10DA0-0009	19	2419	2739	3041					10	1269	1437	1595	VM ON-19W / 00:00-10W / 06:00-19W
VMP10DA0-0010	19	2419	2739	3041					13	1678	1900	2110	VM ON-19W / 00:00-13W / 06:00-19W
VMP10DA0-0011	14	1861	2107	2340					8	972	1100	1221	VM ON-14W / 00:00-8W / 06:00-14W
VMP10DA0-0012	14	1861	2107	2340					10	1269	1437	1595	VM ON-14W / 00:00-10W / 06:00-14W
<b>LUMEN PACKAGE 2L</b>													
VMP10BA0-0013	15	1694	1918	2130	10	1195	1353	1502	8	919	1041	1156	VM ON-15W / 21:00-10W / 24:00-8W / 04:00-10W/06:00-15W
VMP10BA0-0014	10	1195	1353	1502	7	829	939	1042	5	627	710	788	VM ON-10W / 21:00-7W / 24:00-5W / 04:00-7W /06:00-10W
VMP10BA0-0015	8	919	1041	1156	5	627	710	788	4	480	543	603	VM ON-8W / 21:00-5W / 24:00-4W / 04:00-5W /06:00-8W
VMP10BA0-0001	15	1694	1918	2130					8	919	1041	1156	VM ON-15W / 22:00-8W / 06:00-15W
VMP10BA0-0002	15	1694	1918	2130					10	1195	1353	1502	VM ON-15W / 22:00-10W / 06:00-15W
VMP10BA0-0003	10	1195	1353	1502					5	627	710	788	VM ON-10W / 22:00-5W / 06:00-10W
VMP10BA0-0004	10	1195	1353	1502					7	829	939	1042	VM ON-10W / 22:00-7W / 06:00-10W
VMP10BA0-0005	8	919	1041	1156					4	480	543	603	VM ON-8W / 22:00-4W / 06:00-7W
VMP10BA0-0006	8	919	1041	1156					5	627	710	788	VM ON-8W / 22:00-5W / 06:00-7W
VMP10BA0-0007	15	1694	1918	2130					8	919	1041	1156	VM ON-15W / 00:00-8W / 06:00-15W
VMP10BA0-0008	15	1694	1918	2130					10	1195	1353	1502	VM ON-15W / 00:00-10W / 06:00-15W
VMP10BA0-0009	10	1195	1353	1502					5	627	710	788	VM ON-10W / 00:00-5W / 06:00-10W
VMP10BA0-0010	10	1195	1353	1502					7	829	939	1042	VM ON-10W / 00:00-7W / 06:00-10W
VMP10BA0-0011	8	919	1041	1156					4	480	543	603	VM ON-8W / 00:00-4W / 06:00-7W
VMP10BA0-0012	8	919	1041	1156					5	627	710	788	VM ON-8W / 00:00-5W / 06:00-7W

CL*	
Setting Code	Description
CL###-****	CLO 50.000 HOURS START AT 90%
CL###-****	CLO 100.000 HOURS START AT 80%

\*Standard CLO to be matched to programme powers for FX option for S-N variants, please for information contact Cree Lighting Europe.

VMC*	
Setting Code	Description
VMC###-****	CLO 50.000 HOURS START AT 90%
VMC###-****	CLO 100.000 HOURS START AT 80%

\*Standard CLO to be matched to the wattage of the VM option programmes for S-N variants, please for information contact Cree Lighting Europe.



## Control options - Variant Z (Optics SCP)

FX - FIXED OUTPUT					
Setting Code	System Watts W	Nominal flux (lm)			Description
		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>					
FXA10HA0-00001	54	7186	7341	8640	FIXED OUTPUT 54W
FXA10HA0-00002	36	5068	5178	6094	FIXED OUTPUT 36W
FXA10HA0-00003	27	3899	3984	4689	FIXED OUTPUT 27W
<b>LUMEN PACKAGE 6L</b>					
FXA10FA0-00001	41	5458	5576	6562	FIXED OUTPUT 41W
FXA10FA0-00002	27	3850	3933	4629	FIXED OUTPUT 27W
FXA10FA0-00003	21	2962	3026	3561	FIXED OUTPUT 21W
<b>LUMEN PACKAGE 4L</b>					
FXA10DA0-00001	28	3585	3663	4311	FIXED OUTPUT 28W
FXA10DA0-00002	19	2529	2583	3041	FIXED OUTPUT 19W
FXA10DA0-00003	14	1946	1988	2340	FIXED OUTPUT 14W
<b>LUMEN PACKAGE 2L</b>					
FXA10BA0-00001	15	1771	1809	2130	FIXED OUTPUT 15W
FXA10BA0-00002	10	1249	1276	1502	FIXED OUTPUT 10W
FXA10BA0-00003	8	961	982	1156	FIXED OUTPUT 8W

VM - VIRTUAL MIDNIGHT (Lumen package 8L - 6L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>													
VMA10HA0-0013	54	7186	7341	8640	36	5068	5178	6094	27	3899	3984	4689	VM ON-54W / 21:00-36W / 24:00-27W / 04:00-36W/06:00-54W
VMA10HA0-0014	36	5068	5178	6094	24	3516	3592	4228	19	2659	2716	3197	VM ON-36W / 21:00-24W / 24:00-19W /04:00-24W/06:00- 36W
VMA10HA0-0015	27	3899	3984	4689	19	2659	2716	3197	15	2036	2080	2448	VM ON-27W / 21:00-19W / 24:00-15W / 04:00-19W/06:00-27W
VMA10HA0-0001	54	7186	7341	8640					27	3899	3984	4689	VM ON-54W / 22:00-27W / 06:00-54W
VMA10HA0-0002	54	7186	7341	8640					36	5068	5178	6094	VM ON-54W / 22:00-36W / 06:00-54W
VMA10HA0-0003	36	5068	5178	6094					19	2659	2716	3197	VM ON-36W / 22:00-19W / 06:00-36W
VMA10HA0-0004	36	5068	5178	6094					24	3516	3592	4228	VM ON-36W / 22:00-24W / 06:00-36W
VMA10HA0-0005	27	3899	3984	4689					15	2036	2080	2448	VM ON-27W / 22:00-15W / 06:00-27W
VMA10HA0-0006	27	3899	3984	4689					19	2659	2716	3197	VM ON-27W / 22:00-19W / 06:00-27W
VMA10HA0-0007	54	7186	7341	8640					27	3899	3984	4689	VM ON-54W / 00:00-27W / 06:00-54W
VMA10HA0-0008	54	7186	7341	8640					36	5068	5178	6094	VM ON-54W / 00:00-36W / 06:00-54W
VMA10HA0-0009	36	5068	5178	6094					19	2659	2716	3197	VM ON-36W / 00:00-19W / 06:00-36W
VMA10HA0-0010	36	5068	5178	6094					24	3516	3592	4228	VM ON-36W / 00:00-24W / 06:00-36W
VMA10HA0-0011	27	3899	3984	4689					15	2036	2080	2448	VM ON-27W / 00:00-15W / 06:00-27W
VMA10HA0-0012	27	3899	3984	4689					19	2659	2716	3197	VM ON-27W / 00:00-19W / 06:00-27W
<b>LUMEN PACKAGE 6L</b>													
VMA10FA0-0013	41	5458	5576	6562					21	2962	3026	3561	VM ON-41W / 21:00-27W / 24:00-21W /04:00-27W/06:00- 41W
VMA10FA0-0014	27	3850	3933	4629	27	3850	3933	4629	14	2019	2063	2428	VM ON-27W / 21:00-19W / 24:00-14W /04:00-19W/06:00-27W
VMA10FA0-0015	21	2962	3026	3561	19	2671	2728	3211	11	1546	1580	1859	VM ON-21W / 21:00-14W / 24:00-11W /04:00-14W/06:00-21W
VMA10FA0-0001	41	5458	5576	6562	14	2019	2063	2428	21	2962	3026	3561	VM ON-41W / 22:00-21W / 06:00-41W
VMA10FA0-0002	41	5458	5576	6562					27	3850	3933	4629	VM ON-41W / 22:00-27W / 06:00-41W
VMA10FA0-0003	27	3850	3933	4629					14	2019	2063	2428	VM ON-27W / 22:00-14W / 06:00-27W
VMA10FA0-0004	27	3850	3933	4629					19	2671	2728	3211	VM ON-27W / 22:00-19W / 06:00-27W
VMA10FA0-0005	21	2962	3026	3561					11	1546	1580	1859	VM ON-21W / 22:00-11W / 06:00-21W
VMA10FA0-0006	21	2962	3026	3561					14	2019	2063	2428	VM ON-21W / 22:00-14W / 06:00-21W
VMA10FA0-0007	41	5458	5576	6562					21	2962	3026	3561	VM ON-41W / 00:00-21W / 06:00-41W
VMA10FA0-0008	41	5458	5576	6562					27	3850	3933	4629	VM ON-41W / 00:00-27W / 06:00-41W
VMA10FA0-0009	27	3850	3933	4629					14	2019	2063	2428	VM ON-27W / 00:00-14W / 06:00-27W
VMA10FA0-0010	27	3850	3933	4629					19	2671	2728	3211	VM ON-27W / 00:00-19W / 06:00-27W
VMA10FA0-0011	21	2962	3026	3561					11	1546	1580	1859	VM ON-21W / 00:00-11W / 06:00-21W
VMA10FA0-0012	21	2962	3026	3561					14	2019	2063	2428	VM ON-21W / 00:00-14W / 06:00-21W





**Control options - Variant Z (Optics SCP)**

VM - VIRTUAL MIDNIGHT (Lumen package 4L - 2L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 4L</b>													
VMA10DA0-0013	28	3585	3663	4311	19	2529	2583	3041	14	1946	1988	2340	VM ON-28W / 21:00-19W / 24:00-14W / 04:00-19W/06:00-28W
VMA10DA0-0014	19	2529	2583	3041	13	1754	1792	2110	10	1327	1355	1595	VM ON-19W / 21:00-13W / 24:00-10W / 04:00-13W/06:00-19W
VMA10DA0-0015	14	1946	1988	2340	10	1327	1355	1595	8	1016	1038	1221	VM ON-14 / 21:00-10W / 24:00-8W / 04:00-10W/06:00-14W
VMA10DA0-0001	28	3585	3663	4311					14	1946	1988	2340	VM ON-28W / 22:00-14W / 06:00-28W
VMA10DA0-0002	28	3585	3663	4311					19	2529	2583	3041	VM ON-28W / 22:00-19W / 06:00-28W
VMA10DA0-0003	19	2529	2583	3041					10	1327	1355	1595	VM ON-19W / 22:00-10W / 06:00-19W
VMA10DA0-0004	19	2529	2583	3041					13	1754	1792	2110	VM ON-19W / 22:00-13W / 06:00-19W
VMA10DA0-0005	14	1946	1988	2340					8	1016	1038	1221	VM ON-14W / 22:00-8W / 06:00-14W
VMA10DA0-0006	14	1946	1988	2340					10	1327	1355	1595	VM ON-14W / 22:00-10W / 06:00-14W
VMA10DA0-0007	28	3585	3663	4311					14	1946	1988	2340	VM ON-28W / 00:00-14W / 06:00-28W
VMA10DA0-0008	28	3585	3663	4311					19	2529	2583	3041	VM ON-28W / 00:00-19W / 06:00-28W
VMA10DA0-0009	19	2529	2583	3041					10	1327	1355	1595	VM ON-19W / 00:00-10W / 06:00-19W
VMA10DA0-0010	19	2529	2583	3041					13	1754	1792	2110	VM ON-19W / 00:00-13W / 06:00-19W
VMA10DA0-0011	14	1946	1988	2340					8	1016	1038	1221	VM ON-14W / 00:00-8W / 06:00-14W
VMA10DA0-0012	14	1946	1988	2340					10	1327	1355	1595	VM ON-14W / 00:00-10W / 06:00-14W
<b>LUMEN PACKAGE 2L</b>													
VMA10BA0-0013	15	1771	1809	2130	10	1249	1276	1502	8	961	982	1156	VM ON-15W / 21:00-10W / 24:00-8W / 04:00-10W/06:00-15W
VMA10BA0-0014	10	1249	1276	1502	7	867	885	1042	5	655	669	788	VM ON-10W / 21:00-7W / 24:00-5W / 04:00-7W /06:00-10W
VMA10BA0-0015	8	961	982	1156	5	655	669	788	4	502	513	603	VM ON-8W / 21:00-5W / 24:00-4W / 04:00-5W /06:00-8W
VMA10BA0-0001	15	1771	1809	2130					8	961	982	1156	VM ON-15W / 22:00-8W / 06:00-15W
VMA10BA0-0002	15	1771	1809	2130					10	1249	1276	1502	VM ON-15W / 22:00-10W / 06:00-15W
VMA10BA0-0003	10	1249	1276	1502					5	655	669	788	VM ON-10W / 22:00-5W / 06:00-10W
VMA10BA0-0004	10	1249	1276	1502					7	867	885	1042	VM ON-10W / 22:00-7W / 06:00-10W
VMA10BA0-0005	8	961	982	1156					4	502	513	603	VM ON-8W / 22:00-4W / 06:00-7W
VMA10BA0-0006	8	961	982	1156					5	655	669	788	VM ON-8W / 22:00-5W / 06:00-7W
VMA10BA0-0007	15	1771	1809	2130					8	961	982	1156	VM ON-15W / 00:00-8W / 06:00-15W
VMA10BA0-0008	15	1771	1809	2130					10	1249	1276	1502	VM ON-15W / 00:00-10W / 06:00-15W
VMA10BA0-0009	10	1249	1276	1502					5	655	669	788	VM ON-10W / 00:00-5W / 06:00-10W
VMA10BA0-0010	10	1249	1276	1502					7	867	885	1042	VM ON-10W / 00:00-7W / 06:00-10W
VMA10BA0-0011	8	961	982	1156					4	502	513	603	VM ON-8W / 00:00-4W / 06:00-7W
VMA10BA0-0012	8	961	982	1156					5	655	669	788	VM ON-8W / 00:00-5W / 06:00-7W

G - LINESWITCH										
Setting Code	System Watts W (High Mode)	Nominal flux (lm)			System Watts W (Low Mode)	Nominal flux (lm)			Description	
		2700K	3000K	4000K		2700K	3000K	4000K		
<b>LUMEN PACKAGE 8L</b>										
LWE10HA0-0001	54	8640	7341	7186	27	3899	3984	4689	LINESWITCH (100%/50%) - 54W/27W	
LWE10HA0-0002	36	6094	5178	5068	19	2659	2716	3197	LINESWITCH (100%/50%) - 36W/19W	
LWE10HA0-0003	27	4689	3984	3899	15	2036	2080	2448	LINESWITCH (100%/50%) - 27W/15W	
<b>LUMEN PACKAGE 6L</b>										
LWE10FA0-0001	41	6562	5576	5458	21	2962	3026	3561	LINESWITCH (100%/50%) - 41W/21W	
LWE10FA0-0002	27	4629	3933	3850	14	2019	2063	2428	LINESWITCH (100%/50%) - 27W/14W	
LWE10FA0-0003	21	3561	3026	2962	11	1546	1580	1859	LINESWITCH (100%/50%) - 21W/11W	
<b>LUMEN PACKAGE 4L</b>										
LWE10DA0-0001	28	4311	3663	3585	14	1946	1988	2340	LINESWITCH (100%/50%) - 28W/14W	
LWE10DA0-0002	19	3041	2583	2529	10	1327	1355	1595	LINESWITCH (100%/50%) - 19W/10W	
LWE10DA0-0003	14	2340	1988	1946	8	1016	1038	1221	LINESWITCH (100%/50%) - 14W/8W	
<b>LUMEN PACKAGE 2L</b>										
LWLE10BA0-0001	15	2130	1809	1771	8	961	982	1156	LINESWITCH (100%/50%) - 15W/8W	
LWLE10BA0-0002	10	1502	1276	1249	5	655	669	788	LINESWITCH (100%/50%) - 10W/5W	
LWLE10BA0-0003	8	1156	982	961	4	502	513	603	LINESWITCH (100%/50%) - 8W/4W	



## Control options - Variant Z (Optics SCP)

DL - DALI DIMMABLE						
Lumen Package	System Watts W	Nominal flux (lm)	Description			Descrizione
			2700K	3000K	4000K	
8L	DLE10HA0-0001	54	7186	7341	8640	DALI MAX 54W
6L	DLE10FA0-0001	41	5458	5576	6562	DALI MAX 41W
4L	DLE10DA0-0001	28	3585	3663	4311	DALI MAX 28W
2L	DLE10BA0-0001	15	1771	1809	2130	DALI MAX 15W

FR - FLUX REGULATOR										
Setting Code	System Watts W (High Mode)	Nominal flux (lm)			System Watts W (Low Mode)	Nominal flux (lm)			Description	
		2700K	3000K	4000K		2700K	3000K	4000K		
<b>LUMEN PACKAGE 8L</b>										
RFA10HA0-0001	54	7186	7341	8640	36	5068	5178	6094	REG. FLUSSO 54W@230V / 36W@170V	
RFA10HA0-0002	54	7186	7341	8640	27	3899	3984	4689	REG. FLUSSO 54W@230V / 27W@170V	
RFA10HA0-0003	36	5068	5178	6094	24	3516	3592	4228	REG. FLUSSO 36W@230V / 24W@170V	
RFA10HA0-0004	36	5068	5178	6094	19	2659	2716	3197	REG. FLUSSO 36W@230V / 19W@170V	
RFA10HA0-0005	27	3899	3984	4689	19	2659	2716	3197	REG. FLUSSO 27W@230V / 19W@170V	
RFA10HA0-0006	27	3899	3984	4689	15	2036	2080	2448	REG. FLUSSO 27W@230V / 15W@170V	
<b>LUMEN PACKAGE 6L</b>										
RFA10FA0-0001	41	5458	5576	6562	27	3850	3933	4629	REG. FLUSSO 41W@230V / 27W@170V	
RFA10FA0-0002	41	5458	5576	6562	21	2962	3026	3561	REG. FLUSSO 41W@230V / 21W@170V	
RFA10FA0-0003	27	3850	3933	4629	19	2671	2728	3211	REG. FLUSSO 27W@230V / 19W@170V	
RFA10FA0-0004	27	3850	3933	4629	14	2019	2063	2428	REG. FLUSSO 27W@230V / 14W@170V	
RFA10FA0-0005	21	2962	3026	3561	14	2019	2063	2428	REG. FLUSSO 21W@230V / 14W@170V	
RFA10FA0-0006	21	2962	3026	3561	11	1546	1580	1859	REG. FLUSSO 21W@230V / 11W@170V	
<b>LUMEN PACKAGE 4L</b>										
RFA10DA0-0001	28	3585	3663	4311	19	2529	2583	3041	REG. FLUSSO 28W@230V / 19W@170V	
RFA10DA0-0002	28	3585	3663	4311	14	1946	1988	2340	REG. FLUSSO 28W@230V / 14W@170V	
RFA10DA0-0003	19	2529	2583	3041	13	1754	1792	2110	REG. FLUSSO 19W@230V / 13W@170V	
RFA10DA0-0004	19	2529	2583	3041	10	1327	1355	1595	REG. FLUSSO 19W@230V / 10W@170V	
RFA10DA0-0005	14	1946	1988	2340	10	1327	1355	1595	REG. FLUSSO 14W@230V / 10W@170V	
RFA10DA0-0006	14	1946	1988	2340	8	1016	1038	1221	REG. FLUSSO 14W@230V / 8W@170V	
<b>LUMEN PACKAGE 2L</b>										
RFA10BA0-0001	15	1771	1809	2130	10	1249	1276	1502	REG. FLUSSO 15W@230V / 10W@170V	
RFA10BA0-0002	15	1771	1809	2130	8	961	982	1156	REG. FLUSSO 15W@230V / 8W@170V	
RFA10BA0-0003	10	1249	1276	1502	7	867	885	1042	REG. FLUSSO 10W@230V / 7W@170V	
RFA10BA0-0004	10	1249	1276	1502	5	655	669	788	REG. FLUSSO 10W@230V / 5W@170V	
RFA10BA0-0005	8	961	982	1156	5	655	669	788	REG. FLUSSO 8W@230V / 5W@170V	
RFA10BA0-0006	8	961	982	1156	4	502	513	603	REG. FLUSSO 8W@230V / 4W@170V	

CL*	
Setting Code	Description
CL###-****	CLO 50.000 HOURS START AT 90%
CL###-****	CLO 100.000 HOURS START AT 80%

\*Standard CLO to be matched to programme powers for FX option for S-N variants, please for information contact Cree Lighting Europe.

VMC*	
Setting Code	Description
VMC###-****	CLO 50.000 HOURS START AT 90%
VMC###-****	CLO 100.000 HOURS START AT 80%

\*Standard CLO to be matched to the wattage of the VM option programmes for S-N variants, please for information contact Cree Lighting Europe.



## Control options - Variant Z (Optics SCP)

FX - FIXED OUTPUT					
Setting Code	Potenza di sistema W	Nominal flux (lm)			Description
		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>					
FXP10HA0-0001	54	7186	7341	8640	FIXED OUTPUT 54W
FXP10HA0-0002	36	5068	5178	6094	FIXED OUTPUT 36W
FXP10HA0-0003	27	3899	3984	4689	FIXED OUTPUT 27W
<b>LUMEN PACKAGE 6L</b>					
FXP10FA0-0001	41	5458	5576	6562	FIXED OUTPUT 41W
FXP10FA0-0002	27	3850	3933	4629	FIXED OUTPUT 27W
FXP10FA0-0003	21	2962	3026	3561	FIXED OUTPUT 21W
<b>LUMEN PACKAGE 4L</b>					
FXP10DA0-0001	28	3585	3663	4311	FIXED OUTPUT 28W
FXP10DA0-0002	19	2529	2583	3041	FIXED OUTPUT 19W
FXP10DA0-0003	14	1946	1988	2340	FIXED OUTPUT 14W
<b>LUMEN PACKAGE 2L</b>					
FXP102B0-0001	15	1771	1809	2130	FIXED OUTPUT 15W
FXP102B0-0002	10	1249	1276	1502	FIXED OUTPUT 10W
FXP102B0-0003	8	961	982	1156	FIXED OUTPUT 8W

VM - VIRTUAL MIDNIGHT (Lumen package 8L - 6L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 8L</b>													
VMP10HA0-0013	54	7186	7341	8640	36	5068	5178	6094	27	3899	3984	4689	VM ON-54W / 21:00-36W / 24:00-27W / 04:00-36W/06:00-54W
VMP10HA0-0014	36	5068	5178	6094	24	3516	3592	4228	19	2659	2716	3197	VM ON-36W / 21:00-24W / 24:00-19W /04:00-24W/06:00- 36W
VMP10HA0-0015	27	3899	3984	4689	19	2659	2716	3197	15	2036	2080	2448	VM ON-27W / 21:00-19W / 24:00-15W / 04:00-19W/06:00-27W
VMP10HA0-0001	54	7186	7341	8640					27	3899	3984	4689	VM ON-54W / 22:00-27W / 06:00-54W
VMP10HA0-0002	54	7186	7341	8640					36	5068	5178	6094	VM ON-54W / 22:00-36W / 06:00-54W
VMP10HA0-0003	36	5068	5178	6094					19	2659	2716	3197	VM ON-36W / 22:00-19W / 06:00-36W
VMP10HA0-0004	36	5068	5178	6094					24	3516	3592	4228	VM ON-36W / 22:00-24W / 06:00-36W
VMP10HA0-0005	27	3899	3984	4689					15	2036	2080	2448	VM ON-27W / 22:00-15W / 06:00-27W
VMP10HA0-0006	27	3899	3984	4689					19	2659	2716	3197	VM ON-27W / 22:00-19W / 06:00-27W
VMP10HA0-0007	54	7186	7341	8640					27	3899	3984	4689	VM ON-54W / 00:00-27W / 06:00-54W
VMP10HA0-0008	54	7186	7341	8640					36	5068	5178	6094	VM ON-54W / 00:00-36W / 06:00-54W
VMP10HA0-0009	36	5068	5178	6094					19	2659	2716	3197	VM ON-36W / 00:00-19W / 06:00-36W
VMP10HA0-0010	36	5068	5178	6094					24	3516	3592	4228	VM ON-36W / 00:00-24W / 06:00-36W
VMP10HA0-0011	27	3899	3984	4689					15	2036	2080	2448	VM ON-27W / 00:00-15W / 06:00-27W
VMP10HA0-0012	27	3899	3984	4689					19	2659	2716	3197	VM ON-27W / 00:00-19W / 06:00-27W
<b>LUMEN PACKAGE 6L</b>													
VMP10FA0-0013	41	5458	5576	6562					21	2962	3026	3561	VM ON-41W / 21:00-27W / 24:00-21W /04:00-27W/06:00- 41W
VMP10FA0-0014	27	3850	3933	4629	27	3850	3933	4629	14	2019	2063	2428	VM ON-27W / 21:00-19W / 24:00-14W /04:00-19W/06:00-27W
VMP10FA0-0015	21	2962	3026	3561	19	2671	2728	3211	11	1546	1580	1859	VM ON-21W / 21:00-14W / 24:00-11W /04:00-14W/06:00-21W
VMP10FA0-0001	41	5458	5576	6562	14	2019	2063	2428	21	2962	3026	3561	VM ON-41W / 22:00-21W / 06:00-41W
VMP10FA0-0002	41	5458	5576	6562					27	3850	3933	4629	VM ON-41W / 22:00-27W / 06:00-41W
VMP10FA0-0003	27	3850	3933	4629					14	2019	2063	2428	VM ON-27W / 22:00-14W / 06:00-27W
VMP10FA0-0004	27	3850	3933	4629					19	2671	2728	3211	VM ON-27W / 22:00-19W / 06:00-27W
VMP10FA0-0005	21	2962	3026	3561					11	1546	1580	1859	VM ON-21W / 22:00-11W / 06:00-21W
VMP10FA0-0006	21	2962	3026	3561					14	2019	2063	2428	VM ON-21W / 22:00-14W / 06:00-21W
VMP10FA0-0007	41	5458	5576	6562					21	2962	3026	3561	VM ON-41W / 00:00-21W / 06:00-41W
VMP10FA0-0008	41	5458	5576	6562					27	3850	3933	4629	VM ON-41W / 00:00-27W / 06:00-41W
VMP10FA0-0009	27	3850	3933	4629					14	2019	2063	2428	VM ON-27W / 00:00-14W / 06:00-27W
VMP10FA0-0010	27	3850	3933	4629					19	2671	2728	3211	VM ON-27W / 00:00-19W / 06:00-27W
VMP10FA0-0011	21	2962	3026	3561					11	1546	1580	1859	VM ON-21W / 00:00-11W / 06:00-21W
VMP10FA0-0012	21	2962	3026	3561					14	2019	2063	2428	VM ON-21W / 00:00-14W / 06:00-21W



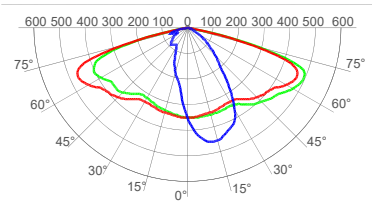
## Control options - Variant Z (Optics SCP)

VM - VIRTUAL MIDNIGHT (Lumen package 4L - 2L)													
Setting Code	W Max	Nominal flux (lm)			W Med	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		2700K	3000K	4000K		2700K	3000K	4000K		2700K	3000K	4000K	
<b>LUMEN PACKAGE 4L</b>													
VMP10DA0-0013	28	3585	3663	4311	19	2529	2583	3041	14	1946	1988	2340	VM ON-28W / 21:00-19W / 24:00-14W / 04:00-19W/06:00-28W
VMP10DA0-0014	19	2529	2583	3041	13	1754	1792	2110	10	1327	1355	1595	VM ON-19W / 21:00-13W / 24:00-10W / 04:00-13W/06:00-19W
VMP10DA0-0015	14	1946	1988	2340	10	1327	1355	1595	8	1016	1038	1221	VM ON-14 / 21:00-10W / 24:00-8W / 04:00-10W/06:00-14W
VMP10DA0-0001	28	3585	3663	4311					14	1946	1988	2340	VM ON-28W / 22:00-14W / 06:00-28W
VMP10DA0-0002	28	3585	3663	4311					19	2529	2583	3041	VM ON-28W / 22:00-19W / 06:00-28W
VMP10DA0-0003	19	2529	2583	3041					10	1327	1355	1595	VM ON-19W / 22:00-10W / 06:00-19W
VMP10DA0-0004	19	2529	2583	3041					13	1754	1792	2110	VM ON-19W / 22:00-13W / 06:00-19W
VMP10DA0-0005	14	1946	1988	2340					8	1016	1038	1221	VM ON-14W / 22:00-8W / 06:00-14W
VMP10DA0-0006	14	1946	1988	2340					10	1327	1355	1595	VM ON-14W / 22:00-10W / 06:00-14W
VMP10DA0-0007	28	3585	3663	4311					14	1946	1988	2340	VM ON-28W / 00:00-14W / 06:00-28W
VMP10DA0-0008	28	3585	3663	4311					19	2529	2583	3041	VM ON-28W / 00:00-19W / 06:00-28W
VMP10DA0-0009	19	2529	2583	3041					10	1327	1355	1595	VM ON-19W / 00:00-10W / 06:00-19W
VMP10DA0-0010	19	2529	2583	3041					13	1754	1792	2110	VM ON-19W / 00:00-13W / 06:00-19W
VMP10DA0-0011	14	1946	1988	2340					8	1016	1038	1221	VM ON-14W / 00:00-8W / 06:00-14W
VMP10DA0-0012	14	1946	1988	2340					10	1327	1355	1595	VM ON-14W / 00:00-10W / 06:00-14W
<b>LUMEN PACKAGE 2L</b>													
VMP10BA0-0013	15	1771	1809	2130	10	1249	1276	1502	8	961	982	1156	VM ON-15W / 21:00-10W / 24:00-8W / 04:00-10W/06:00-15W
VMP10BA0-0014	10	1249	1276	1502	7	867	885	1042	5	655	669	788	VM ON-10W / 21:00-7W / 24:00-5W / 04:00-7W /06:00-10W
VMP10BA0-0015	8	961	982	1156	5	655	669	788	4	502	513	603	VM ON-8W / 21:00-5W / 24:00-4W / 04:00-5W /06:00-8W
VMP10BA0-0001	15	1771	1809	2130					8	961	982	1156	VM ON-15W / 22:00-8W / 06:00-15W
VMP10BA0-0002	15	1771	1809	2130					10	1249	1276	1502	VM ON-15W / 22:00-10W / 06:00-15W
VMP10BA0-0003	10	1249	1276	1502					5	655	669	788	VM ON-10W / 22:00-5W / 06:00-10W
VMP10BA0-0004	10	1249	1276	1502					7	867	885	1042	VM ON-10W / 22:00-7W / 06:00-10W
VMP10BA0-0005	8	961	982	1156					4	502	513	603	VM ON-8W / 22:00-4W / 06:00-7W
VMP10BA0-0006	8	961	982	1156					5	655	669	788	VM ON-8W / 22:00-5W / 06:00-7W
VMP10BA0-0007	15	1771	1809	2130					8	961	982	1156	VM ON-15W / 00:00-8W / 06:00-15W
VMP10BA0-0008	15	1771	1809	2130					10	1249	1276	1502	VM ON-15W / 00:00-10W / 06:00-15W
VMP10BA0-0009	10	1249	1276	1502					5	655	669	788	VM ON-10W / 00:00-5W / 06:00-10W
VMP10BA0-0010	10	1249	1276	1502					7	867	885	1042	VM ON-10W / 00:00-7W / 06:00-10W
VMP10BA0-0011	8	961	982	1156					4	502	513	603	VM ON-8W / 00:00-4W / 06:00-7W
VMP10BA0-0012	8	961	982	1156					5	655	669	788	VM ON-8W / 00:00-5W / 06:00-7W

**Photometry**

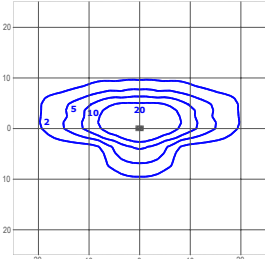
All published luminaire photometric testing performed by an external certified ISO 17025 laboratory. To obtain an IES file specific to your project consult: [www.creelighting-europe.com](http://www.creelighting-europe.com)

**075 - Type II Short**



cd/klm  
 C0 - C180 C90 - C270 C2.5 - C182.5

Test Report #: 1088-QL20-R18

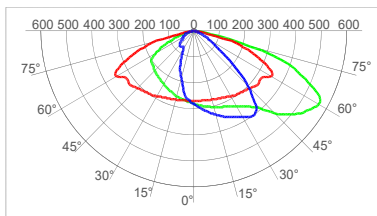


lux  
 TRSA-2-075-8L-407  
 Mounting Height: 6m

LUMEN OUTPUT - 075 (Type II Short)			
Lumen Package	2700K	3000K	4000K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
2L	1450	1650	1850
4L	2950	3400	3750
6L	4550	5150	5700
8L	5950	6800	7516

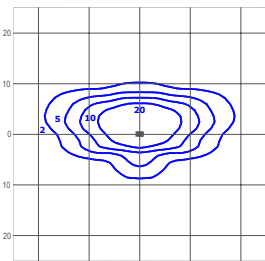
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

**100 - Type II Short**



cd/klm  
 C0 - C180 C90 - C270 C20 - C200

Test Report #: 1088-QL20-R12

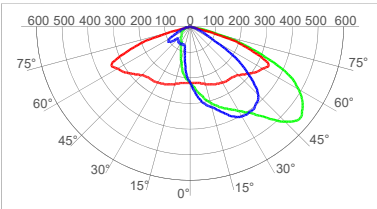


lux  
 TRSA-2-100-8L-407  
 Mounting Height: 6m

LUMEN OUTPUT - 100 (Type II Short)			
Lumen Package	2700K	3000K	4000K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
2L	1400	1600	1800
4L	2900	3300	3650
6L	4400	5000	5550
8L	5820	6590	7317

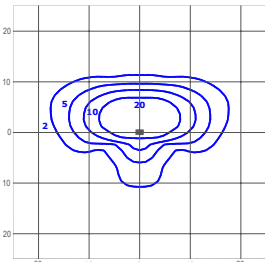
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

**125 - Type II Short**



cd/klm  
 C0 - C180 C90 - C270 C35 - C215

Test Report #: 1088-QL20-R19

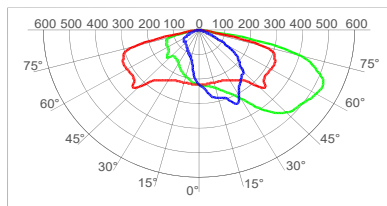


lux  
 TRSA-2-125-8L-407  
 Mounting Height: 6m

LUMEN OUTPUT - 125 (Type II Short)			
Lumen Package	2700K	3000K	4000K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
2L	1450	1650	1850
4L	2950	3400	3750
6L	4550	5150	5700
8L	5950	6800	7475

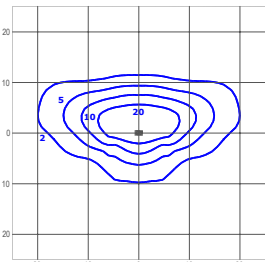
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

**SCP - Type II Short**



cd/klm  
 C0 - C180 C90 - C270 C20 - C200

Test Report #: 1088-QL20-R15



lux  
 TRSA-2-SCP-8L-407  
 Mounting Height: 6m

LUMEN OUTPUT - SCP (Type II Short)			
Lumen Package	2700K	3000K	4000K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
2L	1450	1650	1850
4L	2950	3400	3750
6L	4550	5150	5700
8L	5950	6800	7475

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens