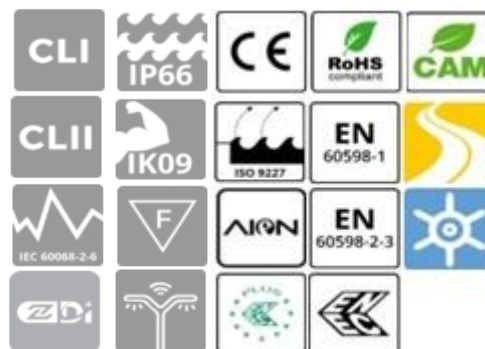


## ELECTRA SERIES



GENERAL SPECIFICATION	
Type	Public lighting
Applications	Suitable for road, highway lighting
MATERIALS AND FINISHES	
<ul style="list-style-type: none"> <li>• Body and housing made of die-cast aluminium with minimum marking according to EN 47100 with low copper content and high weather resistance.</li> <li>• Top cover with a smooth surface with a highly aesthetic appearance.</li> <li>• Surface treatment with silver-coloured polyester powders (RAL 9006) resistant to UV radiation according to ASTM D4587:2011 and corrosion resistant to EN ISO 9227:2017 - salt spray tests with a minimum exposure time of 3000 hours.</li> <li>• Teflon filter for pressure equalization.</li> <li>• Ageless rubber gasket, removable.</li> <li>• INFINITY protection system: ultra-clear 4 mm thick tempered safety glass protective panel.</li> <li>• Stainless steel external screws.</li> </ul>	
MECHANICAL PROPERTIES	
<ul style="list-style-type: none"> <li>• Separation of the optical space from the cabling space.</li> <li>• Access to the wiring area is made possible by tools using two stainless steel screws. A tool-free solution with ribbed screws is available on request.</li> <li>• Access to the optical space is allowed for maintenance purposes only, using four stainless steel screws.</li> <li>• To prevent the enclosure from closing accidentally during assembly and maintenance, the device is equipped with an automatic</li> </ul>	
SURGE PROTECTION	
<ul style="list-style-type: none"> <li>• CL I: up to 10kV</li> <li>• CL II: up to 10 kV / 6kV</li> </ul> <p>On request, 10kV can also be achieved in differential mode with SPD connected between phase and neutral wire.</p>	
Power Supply Characteristics	
<ul style="list-style-type: none"> <li>• The power supply unit contains a programmable driver with a lifetime of more than 100,000 hours.</li> <li>• Electronic power supply with integrated thermal protection with high efficiency and durability designed for external use.</li> <li>• All versions are equipped with surge protection to protect components and LEDs from overload.</li> <li>• The system is equipped with a knife switch for interrupting the power supply at the point of opening the device in both CL I and CL II</li> <li>• The power cable leads to the device via a PG 16 (IP68) cable gland.</li> <li>• Full-load power correction factor &gt; 0.9.</li> <li>• Power supply 220 - 240 V / 50 - 60 Hz VAC.</li> <li>• Automatic dimming via a virtual midnight system with customized profiles according to specific needs.</li> <li>• CLO function: the controller can be programmed to gradually increase the level of current supplied to the LEDs to compensate for their physiological shortening of lifespan.</li> </ul>	
SUITABLE SOLUTION (OPTIONAL)	
<ul style="list-style-type: none"> <li>• Astronomical clock: this function allows you to turn the system on and off according to certain preset time intervals.</li> <li>• 1-10V: analog interface for dimming via 1-10V protocol.</li> <li>• DALI: digital interface for dimming via DALI protocol.</li> <li>• Regulating the luminous flux through transmitted waves.</li> <li>• Main voltage dimming: this feature allows you to change the luminous flux by changing the supply voltage supplied by the lighting system's control panel.</li> <li>• NEMA Socket: 7 connectors (ANSI C136.41).</li> <li>• ZHAGA: street lights certified with Zhaga D4i predisposition (ZHAGA Book 18) in the upper part (UP position), lower part (DOWN position) or mixed part (UP+DOWN position) for connection of presence and/or motion sensors or combined solutions.</li> </ul>	

# ELECTRA SERIES

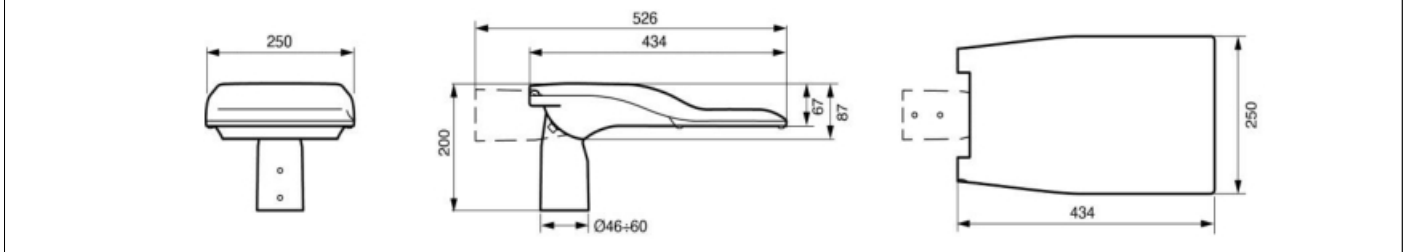


INSTALLATION
• Adjustable mounting system on die-cast aluminum columns.

	ELECTRA 1	ELECTRA 2	ELECTRA 3
Column diameter	Ø 46 mm ÷ 60 mm		
Installation on a straight pole	from 0° to +20° with a constant inclination of 2.5°		
Side-entry installation	Pole fixing device for adjusting the lamp inclination to 0° in the case of side installation with a tilt of 5°, 10°, 15° and 20°.		

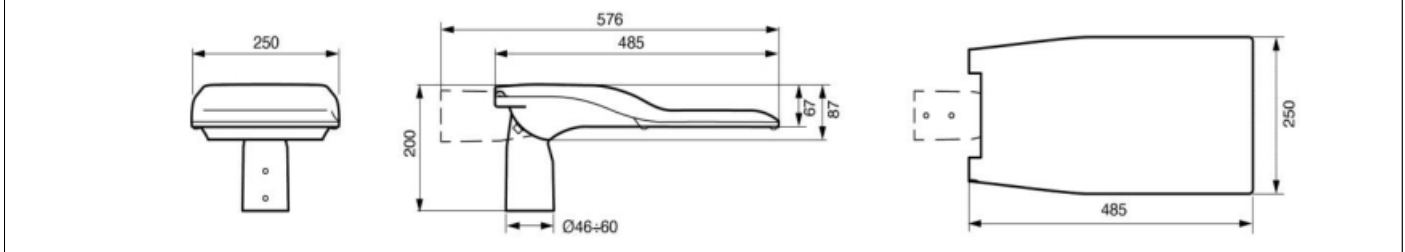
## DIMENSIONS

### ELECTRA 1



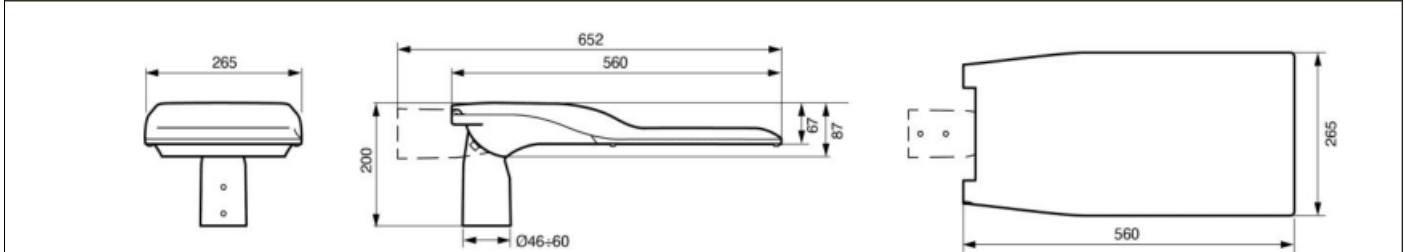
Max. weight*	4.45 kg	
Surface exposed to wind with a 0° slope	Side: 0.020 m <sup>2</sup>	Front: 0.020 m <sup>2</sup>

### ELECTRA 2



Max. weight*	5.20 kg	
Surface exposed to wind with a 0° slope	Side: 0.022 m <sup>2</sup>	Front: 0.020 m <sup>2</sup>

### ELECTRA 3



Max. weight*	6.00 kg	
Surface exposed to wind with a 0° slope	Side: 0.025 m <sup>2</sup>	Front: 0.021 m <sup>2</sup>

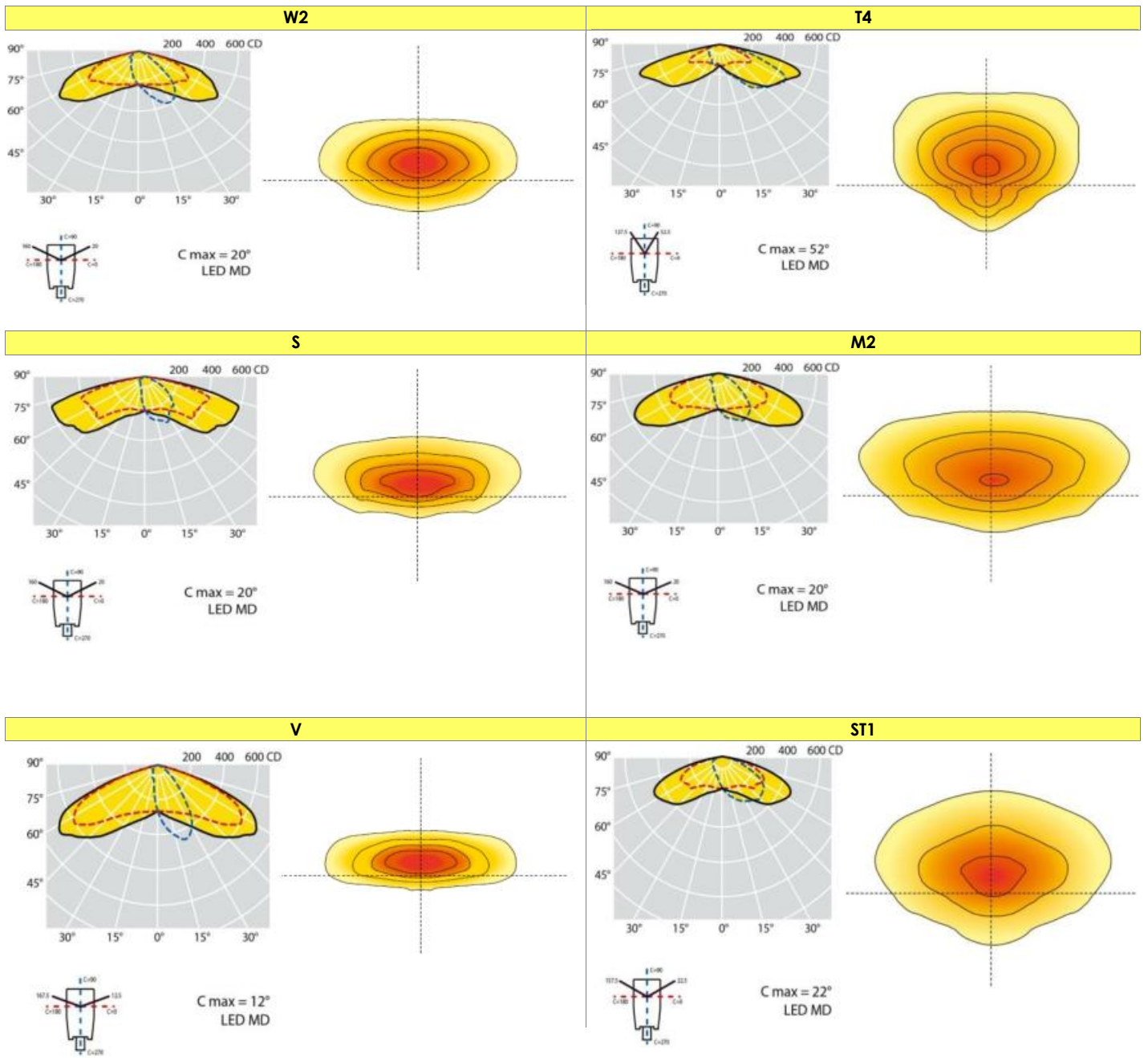
\* Weight tolerance ± 5%

## ELECTRA SERIES

OPTICAL SYSTEM CHARACTERISTICS			
<ul style="list-style-type: none"> <li>• SAFEWAY® optical system, refractive system.</li> <li>• The optical group is easily replaceable.</li> <li>• Multi-die LED technology on a molded aluminum circuit, highly dispersing MCPCB (metal core printed circuit board).</li> <li>• Color temperature: 4000 / 3000K - CRI &gt; 70.</li> <li>• Street lights are also available with colour temperatures from 2700 to 5700 K on request.</li> </ul>			
MAINTAINED AVERAGE LUMINOUS FLUX ACCORDING TO LM80 - TM21 STANDARDS			
Street Light Operating Temperature Range*			
ta 35°C	-40°C ÷ +40°C	L90B10	>100,000 hrs
ta 55°C	-40°C ÷ +55°C	L90B10	> 90,000 hrs
*Maximum operating temperature of the luminaires under normal conditions. This information does not exclude the temporary operation of luminaires at the specified operating temperatures.			
REFRACTIVE OPTICAL SYSTEM			
W2 optics:	Street optics are usually used for all lighting categories, especially if the ratio of installation height to car width is significantly greater than 0.85. W2 optics are characterized by a remarkable backflow that allows for overlap installations.		
Optics S:	Street optics are usually used for lighting categories up to M3. These optics are suitable Especially in situations where the ratio of installation height to road width is less than 1. It is also suitable for roads with very high clearances and a larger spacing-to-height ratio than 5.		
Optics V:	Street optics are especially suitable for situations where the ratio of installation height to road width is less than 1.		
Optics T4:	Optics are usually used to illuminate courtyards, parking lots, and urban areas, it is used also on the streets, if significant frontal illumination and the ratio between the depth of the illuminated area and the luminaire mounting height is significantly higher than 1, but are not required very high levels of illumination.		
M2 optics:	Street optics that allow illumination of environments with long distances in combination with with a road width equal to or less than the installation height.		
Optics ST1:	Street optics that allow illumination of environments with long distances and a ratio between installation height and road width equal to or greater than 1.		



# Luminous curves



# ELECTRA 1 – PRODUCT CODES

4000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED Chip Current (mA)	W (LED+DRIVER)	Nomial LED Flow (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Weight - gross (kg)	Vol. (m3)
										This 35°	Ta 55°		
CL I	CL II												
10037	10036	ELECTRA 1	12 LEDs	MD	V	100	7,2	1470	1221		•	4,97	0,0185
10039	10038	ELECTRA 1	12 LEDs	MD	V	115	8,3	1690	1404		•	4,97	0,0185
10043	10042	ELECTRA 1	12 LEDs	MD	V	145	10,5	2120	1765		•	4,97	0,0185
10047	10046	ELECTRA 1	12 LEDs	MD	V	175	12,7	2560	2127		•	4,97	0,0185
10051	10050	ELECTRA 1	12 LEDs	MD	V	220	15,9	3220	2677		•	4,97	0,0185
10055	10054	ELECTRA 1	12 LEDs	MD	V	260	18,9	3810	3173		•	4,97	0,0185
10059	10058	ELECTRA 1	12 LEDs	MD	V	300	21,9	4410	3672		•	4,97	0,0185
10063	10062	ELECTRA 1	12 LEDs	MD	V	340	24,7	4880	4062		•	4,97	0,0185
10067	10066	ELECTRA 1	12 LEDs	MD	V	380	27,3	5350	4452		•	4,97	0,0185
10071	10070	ELECTRA 1	12 LEDs	MD	V	420	30,3	5840	4862		•	4,97	0,0185
10083	10082	ELECTRA 1	24 LEDs	MD	V	200	28,2	5990	4987		•	4,97	0,0185
10087	10086	ELECTRA 1	24 LEDs	MD	V	220	31,1	6540	5448		•	4,97	0,0185
10091	10090	ELECTRA 1	24 LEDs	MD	V	240	34,0	7100	5909		•	4,97	0,0185
10095	10094	ELECTRA 1	24 LEDs	MD	V	260	36,8	7650	6370		•	4,97	0,0185
10099	10098	ELECTRA 1	24 LEDs	MD	V	280	39,7	8200	6831		•	4,97	0,0185
10103	10102	ELECTRA 1	24 LEDs	MD	V	300	42,6	8760	7293		•	4,97	0,0185
10107	10106	ELECTRA 1	24 LEDs	MD	V	320	45,5	9250	7704		•	4,97	0,0185
10111	10110	ELECTRA 1	24 LEDs	MD	V	340	48,5	9740	8114		•	4,97	0,0185
10115	10114	ELECTRA 1	24 LEDs	MD	V	360	51,5	10230	8524		•	4,97	0,0185
10119	10118	ELECTRA 1	24 LEDs	MD	V	380	54,5	10730	8934		•	4,97	0,0185
10123	10122	ELECTRA 1	24 LEDs	MD	V	400	57,4	11220	9344		•	4,97	0,0185
10127	10126	ELECTRA 1	24 LEDs	MD	V	420	60,4	11680	9733	•	•	4,97	0,0185
10177	10176	ELECTRA 1	36 LEDs	MD	V	280	59,1	11900	9916		•	4,97	0,0185
10185	10184	ELECTRA 1	36 LEDs	MD	V	300	63,4	12710	10585		•	4,97	0,0185
10193	10192	ELECTRA 1	36 LEDs	MD	V	320	67,7	13500	11242		•	4,97	0,0185
10201	10200	ELECTRA 1	36 LEDs	MD	V	340	72,1	14280	11900		•	4,97	0,0185
10209	10208	ELECTRA 1	36 LEDs	MD	V	360	76,4	15070	12557		•	4,97	0,0185
10217	10216	ELECTRA 1	36 LEDs	MD	V	380	80,8	15860	13215		•	4,97	0,0185
10225	10224	ELECTRA 1	36 LEDs	MD	V	400	85,1	16650	13872	•	•	4,97	0,0185
10233	10232	ELECTRA 1	36 LEDs	MD	V	420	89,3	17350	14451	•	•	4,97	0,0185

10303	10302	ELECTRA 1	12 LEDs	MD	S	100	7,2	1430	1185		•	4,97	0,0185
10305	10304	ELECTRA 1	12 LEDs	MD	S	115	8,3	1640	1362		•	4,97	0,0185
10309	10308	ELECTRA 1	12 LEDs	MD	S	145	10,5	2060	1713		•	4,97	0,0185
10313	10312	ELECTRA 1	12 LEDs	MD	S	175	12,7	2480	2064		•	4,97	0,0185
10317	10316	ELECTRA 1	12 LEDs	MD	S	220	15,9	3220	2597		•	4,97	0,0185
10321	10320	ELECTRA 1	12 LEDs	MD	S	260	18,9	3810	3078		•	4,97	0,0185
10325	10324	ELECTRA 1	12 LEDs	MD	S	300	21,9	4410	3562		•	4,97	0,0185
10329	10328	ELECTRA 1	12 LEDs	MD	S	340	24,7	4880	3941		•	4,97	0,0185
10333	10332	ELECTRA 1	12 LEDs	MD	S	380	27,3	5350	4319		•	4,97	0,0185
10337	10336	ELECTRA 1	12 LEDs	MD	S	420	30,3	5840	4717		•	4,97	0,0185
10349	10348	ELECTRA 1	24 LEDs	MD	S	200	28,2	5990	4838		•	4,97	0,0185
10353	10352	ELECTRA 1	24 LEDs	MD	S	220	31,1	6540	5285		•	4,97	0,0185
10357	10356	ELECTRA 1	24 LEDs	MD	S	240	34,0	7100	5732		•	4,97	0,0185
10361	10360	ELECTRA 1	24 LEDs	MD	S	260	36,8	7650	6179		•	4,97	0,0185
10365	10364	ELECTRA 1	24 LEDs	MD	S	280	39,7	8200	6627		•	4,97	0,0185
10369	10368	ELECTRA 1	24 LEDs	MD	S	300	42,6	8760	7075		•	4,97	0,0185
10373	10372	ELECTRA 1	24 LEDs	MD	S	320	45,5	9250	7473		•	4,97	0,0185
10377	10376	ELECTRA 1	24 LEDs	MD	S	340	48,5	9740	7871		•	4,97	0,0185
10381	10380	ELECTRA 1	24 LEDs	MD	S	360	51,5	10230	8269		•	4,97	0,0185
10385	10384	ELECTRA 1	24 LEDs	MD	S	380	54,5	10730	8666		•	4,97	0,0185
10389	10388	ELECTRA 1	24 LEDs	MD	S	400	57,4	11220	9064		•	4,97	0,0185
10393	10392	ELECTRA 1	24 LEDs	MD	S	420	60,4	11680	9442	•	•	4,97	0,0185
10443	10442	ELECTRA 1	36 LEDs	MD	S	280	59,1	11900	9619		•	4,97	0,0185
10451	10450	ELECTRA 1	36 LEDs	MD	S	300	63,4	12710	10268		•	4,97	0,0185
10459	10458	ELECTRA 1	36 LEDs	MD	S	320	67,7	13500	10905		•	4,97	0,0185
10467	10466	ELECTRA 1	36 LEDs	MD	S	340	72,1	14280	11543		•	4,97	0,0185
10475	10474	ELECTRA 1	36 LEDs	MD	S	360	76,4	15070	12181		•	4,97	0,0185
10483	10482	ELECTRA 1	36 LEDs	MD	S	380	80,8	15860	12819		•	4,97	0,0185
10491	10490	ELECTRA 1	36 LEDs	MD	S	400	85,1	16650	13456	•	•	4,97	0,0185
10499	10498	ELECTRA 1	36 LEDs	MD	S	420	89,3	17350	14018	•	•	4,97	0,0185

**ELECTRA 1 – PRODUCT CODES**
**4000K - CRI > 70**


Code	Code	Model	Number of LEDs	LED Type	Optics	LED Chip Current (mA)	W (LED+DRIVER)	Nomial LED Flow (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Weight - Gross (kg)	Vol. (m3)
										This 35°	Ta 55°		
<b>CL I</b>	<b>CL II</b>												
10569	10568	ELECTRA 1	12 LEDs	MD	W2	100	7,2	1460	1209		•	4,97	0,0185
10571	10570	ELECTRA 1	12 LEDs	MD	W2	115	8,3	1670	1390		•	4,97	0,0185
10575	10574	ELECTRA 1	12 LEDs	MD	W2	145	10,5	2100	1748		•	4,97	0,0185
10579	10578	ELECTRA 1	12 LEDs	MD	W2	175	12,7	2530	2106		•	4,97	0,0185
10583	10582	ELECTRA 1	12 LEDs	MD	W2	220	15,9	3220	2651		•	4,97	0,0185
10587	10586	ELECTRA 1	12 LEDs	MD	W2	260	18,9	3810	3142		•	4,97	0,0185
10591	10590	ELECTRA 1	12 LEDs	MD	W2	300	21,9	4410	3636		•	4,97	0,0185
10595	10594	ELECTRA 1	12 LEDs	MD	W2	340	24,7	4880	4022		•	4,97	0,0185
10599	10598	ELECTRA 1	12 LEDs	MD	W2	380	27,3	5350	4408		•	4,97	0,0185
10603	10602	ELECTRA 1	12 LEDs	MD	W2	420	30,3	5840	4814		•	4,97	0,0185
10615	10614	ELECTRA 1	24 LEDs	MD	W2	200	28,2	5990	4938		•	4,97	0,0185
10619	10618	ELECTRA 1	24 LEDs	MD	W2	220	31,1	6540	5394		•	4,97	0,0185
10623	10622	ELECTRA 1	24 LEDs	MD	W2	240	34,0	7100	5850		•	4,97	0,0185
10627	10626	ELECTRA 1	24 LEDs	MD	W2	260	36,8	7650	6307		•	4,97	0,0185
10631	10630	ELECTRA 1	24 LEDs	MD	W2	280	39,7	8200	6763		•	4,97	0,0185
10635	10634	ELECTRA 1	24 LEDs	MD	W2	300	42,6	8760	7221		•	4,97	0,0185
10639	10638	ELECTRA 1	24 LEDs	MD	W2	320	45,5	9250	7627		•	4,97	0,0185
10643	10642	ELECTRA 1	24 LEDs	MD	W2	340	48,5	9740	8033		•	4,97	0,0185
10647	10646	ELECTRA 1	24 LEDs	MD	W2	360	51,5	10230	8439		•	4,97	0,0185
10651	10650	ELECTRA 1	24 LEDs	MD	W2	380	54,5	10730	8845		•	4,97	0,0185
10655	10654	ELECTRA 1	24 LEDs	MD	W2	400	57,4	11220	9251		•	4,97	0,0185
10659	10658	ELECTRA 1	24 LEDs	MD	W2	420	60,4	11680	9636	•		4,97	0,0185
10709	10708	ELECTRA 1	36 LEDs	MD	W2	280	59,1	11900	9817		•	4,97	0,0185
10717	10716	ELECTRA 1	36 LEDs	MD	W2	300	63,4	12710	10480		•	4,97	0,0185
10725	10724	ELECTRA 1	36 LEDs	MD	W2	320	67,7	13500	11130		•	4,97	0,0185
10733	10732	ELECTRA 1	36 LEDs	MD	W2	340	72,1	14280	11781		•	4,97	0,0185
10741	10740	ELECTRA 1	36 LEDs	MD	W2	360	76,4	15070	12432		•	4,97	0,0185
10749	10748	ELECTRA 1	36 LEDs	MD	W2	380	80,8	15860	13083		•	4,97	0,0185
10757	10756	ELECTRA 1	36 LEDs	MD	W2	400	85,1	16650	13734	•		4,97	0,0185
10765	10764	ELECTRA 1	36 LEDs	MD	W2	420	89,3	17350	14307	•		4,97	0,0185

10835	10834	ELECTRA 1	12 LEDs	MD	T4	100	7,2	1410	1173		•	4,97	0,0185
10837	10836	ELECTRA 1	12 LEDs	MD	T4	115	8,3	1620	1348		•	4,97	0,0185
10841	10840	ELECTRA 1	12 LEDs	MD	T4	145	10,5	2040	1695		•	4,97	0,0185
10845	10844	ELECTRA 1	12 LEDs	MD	T4	175	12,7	2460	2042		•	4,97	0,0185
10849	10848	ELECTRA 1	12 LEDs	MD	T4	220	15,9	3220	2570		•	4,97	0,0185
10853	10852	ELECTRA 1	12 LEDs	MD	T4	260	18,9	3810	3047		•	4,97	0,0185
10857	10856	ELECTRA 1	12 LEDs	MD	T4	300	21,9	4410	3526		•	4,97	0,0185
10861	10860	ELECTRA 1	12 LEDs	MD	T4	340	24,7	4880	3900		•	4,97	0,0185
10865	10864	ELECTRA 1	12 LEDs	MD	T4	380	27,3	5350	4274		•	4,97	0,0185
10869	10868	ELECTRA 1	12 LEDs	MD	T4	420	30,3	5840	4668		•	4,97	0,0185
10881	10880	ELECTRA 1	24 LEDs	MD	T4	200	28,2	5990	4788		•	4,97	0,0185
10885	10884	ELECTRA 1	24 LEDs	MD	T4	220	31,1	6540	5231		•	4,97	0,0185
10889	10888	ELECTRA 1	24 LEDs	MD	T4	240	34,0	7100	5673		•	4,97	0,0185
10893	10892	ELECTRA 1	24 LEDs	MD	T4	260	36,8	7650	6116		•	4,97	0,0185
10897	10896	ELECTRA 1	24 LEDs	MD	T4	280	39,7	8200	6558		•	4,97	0,0185
10901	10900	ELECTRA 1	24 LEDs	MD	T4	300	42,6	8760	7002		•	4,97	0,0185
10905	10904	ELECTRA 1	24 LEDs	MD	T4	320	45,5	9250	7396		•	4,97	0,0185
10909	10908	ELECTRA 1	24 LEDs	MD	T4	340	48,5	9740	7790		•	4,97	0,0185
10913	10912	ELECTRA 1	24 LEDs	MD	T4	360	51,5	10230	8184		•	4,97	0,0185
10917	10916	ELECTRA 1	24 LEDs	MD	T4	380	54,5	10730	8577		•	4,97	0,0185
10921	10920	ELECTRA 1	24 LEDs	MD	T4	400	57,4	11220	8971		•	4,97	0,0185
10925	10924	ELECTRA 1	24 LEDs	MD	T4	420	60,4	11680	9344	•		4,97	0,0185
10975	10974	ELECTRA 1	36 LEDs	MD	T4	280	59,1	11900	9520		•	4,97	0,0185
10983	10982	ELECTRA 1	36 LEDs	MD	T4	300	63,4	12710	10162		•	4,97	0,0185
10991	10990	ELECTRA 1	36 LEDs	MD	T4	320	67,7	13500	10793		•	4,97	0,0185
10999	10998	ELECTRA 1	36 LEDs	MD	T4	340	72,1	14280	11424		•	4,97	0,0185
11007	11006	ELECTRA 1	36 LEDs	MD	T4	360	76,4	15070	12055		•	4,97	0,0185
11015	11014	ELECTRA 1	36 LEDs	MD	T4	380	80,8	15860	12687		•	4,97	0,0185
11023	11022	ELECTRA 1	36 LEDs	MD	T4	400	85,1	16650	13318	•		4,97	0,0185
11031	11030	ELECTRA 1	36 LEDs	MD	T4	420	89,3	17350	13873	•		4,97	0,0185

# ELECTRA 1 – PRODUCT CODES

4000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED current (mA)	W (LED+DRIVER)	Nominal flux LED (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Weight - Gross (kg)	Vol. (m3)
CL I	CL II									This 35°	Ta 55°		

11101	11100	ELECTRA 1	12 LEDs	MD	M2	100	7,2	1440	1197		•	4,97	0,0185
11103	11102	ELECTRA 1	12 LEDs	MD	M2	115	8,3	1660	1376		•	4,97	0,0185
11107	11106	ELECTRA 1	12 LEDs	MD	M2	145	10,5	2080	1730		•	4,97	0,0185
11111	11110	ELECTRA 1	12 LEDs	MD	M2	175	12,7	2510	2085		•	4,97	0,0185
11115	11114	ELECTRA 1	12 LEDs	MD	M2	220	15,9	3220	2624		•	4,97	0,0185
11119	11118	ELECTRA 1	12 LEDs	MD	M2	260	18,9	3810	3110		•	4,97	0,0185
11123	11122	ELECTRA 1	12 LEDs	MD	M2	300	21,9	4410	3599		•	4,97	0,0185
11127	11126	ELECTRA 1	12 LEDs	MD	M2	340	24,7	4880	3981		•	4,97	0,0185
11131	11130	ELECTRA 1	12 LEDs	MD	M2	380	27,3	5350	4363		•	4,97	0,0185
11135	11134	ELECTRA 1	12 LEDs	MD	M2	420	30,3	5840	4765		•	4,97	0,0185
11147	11146	ELECTRA 1	24 LEDs	MD	M2	200	28,2	5990	4888		•	4,97	0,0185
11151	11150	ELECTRA 1	24 LEDs	MD	M2	220	31,1	6540	5340		•	4,97	0,0185
11155	11154	ELECTRA 1	24 LEDs	MD	M2	240	34,0	7100	5791		•	4,97	0,0185
11159	11158	ELECTRA 1	24 LEDs	MD	M2	260	36,8	7650	6243		•	4,97	0,0185
11163	11162	ELECTRA 1	24 LEDs	MD	M2	280	39,7	8200	6695		•	4,97	0,0185
11167	11166	ELECTRA 1	24 LEDs	MD	M2	300	42,6	8760	7148		•	4,97	0,0185
11171	11170	ELECTRA 1	24 LEDs	MD	M2	320	45,5	9250	7550		•	4,97	0,0185
11175	11174	ELECTRA 1	24 LEDs	MD	M2	340	48,5	9740	7952		•	4,97	0,0185
11179	11178	ELECTRA 1	24 LEDs	MD	M2	360	51,5	10230	8354		•	4,97	0,0185
11183	11182	ELECTRA 1	24 LEDs	MD	M2	380	54,5	10730	8756		•	4,97	0,0185
11187	11186	ELECTRA 1	24 LEDs	MD	M2	400	57,4	11220	9158		•	4,97	0,0185
11191	11190	ELECTRA 1	24 LEDs	MD	M2	420	60,4	11680	9539	•		4,97	0,0185
11241	11240	ELECTRA 1	36 LEDs	MD	M2	280	59,1	11900	9718		•	4,97	0,0185
11249	11248	ELECTRA 1	36 LEDs	MD	M2	300	63,4	12710	10374		•	4,97	0,0185
11257	11256	ELECTRA 1	36 LEDs	MD	M2	320	67,7	13500	11018		•	4,97	0,0185
11265	11264	ELECTRA 1	36 LEDs	MD	M2	340	72,1	14280	11662		•	4,97	0,0185
11273	11272	ELECTRA 1	36 LEDs	MD	M2	360	76,4	15070	12306		•	4,97	0,0185
11281	11280	ELECTRA 1	36 LEDs	MD	M2	380	80,8	15860	12951		•	4,97	0,0185
11289	11288	ELECTRA 1	36 LEDs	MD	M2	400	85,1	16650	13595	•		4,97	0,0185
11297	11296	ELECTRA 1	36 LEDs	MD	M2	420	89,3	17350	14162	•		4,97	0,0185

11367	11366	ELECTRA 1	12 LEDs	MD	ST1	100	7,2	1430	1185		•	4,97	0,0185
11369	11368	ELECTRA 1	12 LEDs	MD	ST1	115	8,3	1640	1362		•	4,97	0,0185
11373	11372	ELECTRA 1	12 LEDs	MD	ST1	145	10,5	2060	1713		•	4,97	0,0185
11377	11376	ELECTRA 1	12 LEDs	MD	ST1	175	12,7	2480	2064		•	4,97	0,0185
11381	11380	ELECTRA 1	12 LEDs	MD	ST1	220	15,9	3220	2597		•	4,97	0,0185
11385	11384	ELECTRA 1	12 LEDs	MD	ST1	260	18,9	3810	3078		•	4,97	0,0185
11389	11388	ELECTRA 1	12 LEDs	MD	ST1	300	21,9	4410	3562		•	4,97	0,0185
11393	11392	ELECTRA 1	12 LEDs	MD	ST1	340	24,7	4880	3941		•	4,97	0,0185
11397	11396	ELECTRA 1	12 LEDs	MD	ST1	380	27,3	5350	4319		•	4,97	0,0185
11401	11400	ELECTRA 1	12 LEDs	MD	ST1	420	30,3	5840	4717		•	4,97	0,0185
11413	11412	ELECTRA 1	24 LEDs	MD	ST1	200	28,2	5990	4838		•	4,97	0,0185
11417	11416	ELECTRA 1	24 LEDs	MD	ST1	220	31,1	6540	5285		•	4,97	0,0185
11421	11420	ELECTRA 1	24 LEDs	MD	ST1	240	34,0	7100	5732		•	4,97	0,0185
11425	11424	ELECTRA 1	24 LEDs	MD	ST1	260	36,8	7650	6179		•	4,97	0,0185
11429	11428	ELECTRA 1	24 LEDs	MD	ST1	280	39,7	8200	6627		•	4,97	0,0185
11433	11432	ELECTRA 1	24 LEDs	MD	ST1	300	42,6	8760	7075		•	4,97	0,0185
11437	11436	ELECTRA 1	24 LEDs	MD	ST1	320	45,5	9250	7473		•	4,97	0,0185
11441	11440	ELECTRA 1	24 LEDs	MD	ST1	340	48,5	9740	7871		•	4,97	0,0185
11445	11444	ELECTRA 1	24 LEDs	MD	ST1	360	51,5	10230	8269		•	4,97	0,0185
11449	11448	ELECTRA 1	24 LEDs	MD	ST1	380	54,5	10730	8666		•	4,97	0,0185
11453	11452	ELECTRA 1	24 LEDs	MD	ST1	400	57,4	11220	9064		•	4,97	0,0185
11457	11456	ELECTRA 1	24 LEDs	MD	ST1	420	60,4	11680	9442	•		4,97	0,0185
11507	11506	ELECTRA 1	36 LEDs	MD	ST1	280	59,1	11900	9619		•	4,97	0,0185
11515	11514	ELECTRA 1	36 LEDs	MD	ST1	300	63,4	12710	10268		•	4,97	0,0185
11523	11522	ELECTRA 1	36 LEDs	MD	ST1	320	67,7	13500	10905		•	4,97	0,0185
11531	11530	ELECTRA 1	36 LEDs	MD	ST1	340	72,1	14280	11543		•	4,97	0,0185
11539	11538	ELECTRA 1	36 LEDs	MD	ST1	360	76,4	15070	12181		•	4,97	0,0185
11547	11546	ELECTRA 1	36 LEDs	MD	ST1	380	80,8	15860	12819		•	4,97	0,0185
11555	11554	ELECTRA 1	36 LEDs	MD	ST1	400	85,1	16650	13456	•		4,97	0,0185
11563	11562	ELECTRA 1	36 LEDs	MD	ST1	420	89,3	17350	14018	•		4,97	0,0185

**ELECTRA 1 – PRODUCT CODES**
**3000K - CRI > 70**


Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Weight - Gross (kg)	Vol. (m3)
										This 35°	Ta 55°		
<b>CL I</b>	<b>CL II</b>												
15665	15664	ELECTRA 1	12 LEDs	MD	V	100	7,2	1380	1148		•	4,97	0,0185
15667	15666	ELECTRA 1	12 LEDs	MD	V	115	8,3	1590	1320		•	4,97	0,0185
15671	15670	ELECTRA 1	12 LEDs	MD	V	145	10,5	2000	1660		•	4,97	0,0185
15675	15674	ELECTRA 1	12 LEDs	MD	V	175	12,7	2400	2000		•	4,97	0,0185
15679	15678	ELECTRA 1	12 LEDs	MD	V	220	15,9	3030	2517		•	4,97	0,0185
15683	15682	ELECTRA 1	12 LEDs	MD	V	260	18,9	3580	2983		•	4,97	0,0185
15687	15686	ELECTRA 1	12 LEDs	MD	V	300	21,9	4150	3452		•	4,97	0,0185
15691	15690	ELECTRA 1	12 LEDs	MD	V	340	24,7	4590	3819		•	4,97	0,0185
15695	15694	ELECTRA 1	12 LEDs	MD	V	380	27,3	5030	4185		•	4,97	0,0185
15699	15698	ELECTRA 1	12 LEDs	MD	V	420	30,3	5490	4571		•	4,97	0,0185
15711	15710	ELECTRA 1	24 LEDs	MD	V	200	28,2	5630	4688		•	4,97	0,0185
15715	15714	ELECTRA 1	24 LEDs	MD	V	220	31,1	6150	5122		•	4,97	0,0185
15719	15718	ELECTRA 1	24 LEDs	MD	V	240	34,0	6670	5555		•	4,97	0,0185
15723	15722	ELECTRA 1	24 LEDs	MD	V	260	36,8	7190	5988		•	4,97	0,0185
15727	15726	ELECTRA 1	24 LEDs	MD	V	280	39,7	7710	6422		•	4,97	0,0185
15731	15730	ELECTRA 1	24 LEDs	MD	V	300	42,6	8230	6856		•	4,97	0,0185
15735	15734	ELECTRA 1	24 LEDs	MD	V	320	45,5	8700	7242		•	4,97	0,0185
15739	15738	ELECTRA 1	24 LEDs	MD	V	340	48,5	9160	7628		•	4,97	0,0185
15743	15742	ELECTRA 1	24 LEDs	MD	V	360	51,5	9620	8013		•	4,97	0,0185
15747	15746	ELECTRA 1	24 LEDs	MD	V	380	54,5	10080	8398		•	4,97	0,0185
15751	15750	ELECTRA 1	24 LEDs	MD	V	400	57,4	10550	8784		•	4,97	0,0185
15755	15754	ELECTRA 1	24 LEDs	MD	V	420	60,4	10980	9150	•	•	4,97	0,0185
15805	15804	ELECTRA 1	36 LEDs	MD	V	280	59,1	11190	9322		•	4,97	0,0185
15813	15812	ELECTRA 1	36 LEDs	MD	V	300	63,4	11940	9950		•	4,97	0,0185
15821	15820	ELECTRA 1	36 LEDs	MD	V	320	67,7	12690	10568		•	4,97	0,0185
15829	15828	ELECTRA 1	36 LEDs	MD	V	340	72,1	13430	11186		•	4,97	0,0185
15837	15836	ELECTRA 1	36 LEDs	MD	V	360	76,4	14170	11804		•	4,97	0,0185
15845	15844	ELECTRA 1	36 LEDs	MD	V	380	80,8	14910	12423		•	4,97	0,0185
15853	15852	ELECTRA 1	36 LEDs	MD	V	400	85,1	15650	13040	•	•	4,97	0,0185
15861	15860	ELECTRA 1	36 LEDs	MD	V	420	89,3	16310	13584	•	•	4,97	0,0185

15931	15930	ELECTRA 1	12 LEDs	MD	S	100	7,2	1340	1114		•	4,97	0,0185
15933	15932	ELECTRA 1	12 LEDs	MD	S	115	8,3	1540	1281		•	4,97	0,0185
15937	15936	ELECTRA 1	12 LEDs	MD	S	145	10,5	1940	1611		•	4,97	0,0185
15941	15940	ELECTRA 1	12 LEDs	MD	S	175	12,7	2330	1941		•	4,97	0,0185
15945	15944	ELECTRA 1	12 LEDs	MD	S	220	15,9	2940	2442		•	4,97	0,0185
15949	15948	ELECTRA 1	12 LEDs	MD	S	260	18,9	3480	2894		•	4,97	0,0185
15953	15952	ELECTRA 1	12 LEDs	MD	S	300	21,9	4020	3349		•	4,97	0,0185
15957	15956	ELECTRA 1	12 LEDs	MD	S	340	24,7	4450	3705		•	4,97	0,0185
15961	15960	ELECTRA 1	12 LEDs	MD	S	380	27,3	4880	4060		•	4,97	0,0185
15965	15964	ELECTRA 1	12 LEDs	MD	S	420	30,3	5330	4434		•	4,97	0,0185
15977	15976	ELECTRA 1	24 LEDs	MD	S	200	28,2	5460	4548		•	4,97	0,0185
15981	15980	ELECTRA 1	24 LEDs	MD	S	220	31,1	5970	4968		•	4,97	0,0185
15985	15984	ELECTRA 1	24 LEDs	MD	S	240	34,0	6470	5389		•	4,97	0,0185
15989	15988	ELECTRA 1	24 LEDs	MD	S	260	36,8	6980	5809		•	4,97	0,0185
15993	15992	ELECTRA 1	24 LEDs	MD	S	280	39,7	7480	6230		•	4,97	0,0185
15997	15996	ELECTRA 1	24 LEDs	MD	S	300	42,6	7990	6651		•	4,97	0,0185
16001	16000	ELECTRA 1	24 LEDs	MD	S	320	45,5	8430	7025		•	4,97	0,0185
16005	16004	ELECTRA 1	24 LEDs	MD	S	340	48,5	8880	7399		•	4,97	0,0185
16009	16008	ELECTRA 1	24 LEDs	MD	S	360	51,5	9330	7773		•	4,97	0,0185
16013	16012	ELECTRA 1	24 LEDs	MD	S	380	54,5	9780	8147		•	4,97	0,0185
16017	16016	ELECTRA 1	24 LEDs	MD	S	400	57,4	10230	8521		•	4,97	0,0185
16021	16020	ELECTRA 1	24 LEDs	MD	S	420	60,4	10660	8876	•	•	4,97	0,0185
16071	16070	ELECTRA 1	36 LEDs	MD	S	280	59,1	10860	9042		•	4,97	0,0185
16079	16078	ELECTRA 1	36 LEDs	MD	S	300	63,4	11590	9652		•	4,97	0,0185
16087	16086	ELECTRA 1	36 LEDs	MD	S	320	67,7	12310	10251		•	4,97	0,0185
16095	16094	ELECTRA 1	36 LEDs	MD	S	340	72,1	13030	10851		•	4,97	0,0185
16103	16102	ELECTRA 1	36 LEDs	MD	S	360	76,4	13750	11451		•	4,97	0,0185
16111	16110	ELECTRA 1	36 LEDs	MD	S	380	80,8	14460	12050		•	4,97	0,0185
16119	16118	ELECTRA 1	36 LEDs	MD	S	400	85,1	15180	12649	•	•	4,97	0,0185
16127	16126	ELECTRA 1	36 LEDs	MD	S	420	89,3	15820	13177	•	•	4,97	0,0185

ELECTRA 1 – PRODUCT CODES

3000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
CL I	CL II												
16197	16196	ELECTRA 1	12 LEDs	MD	W2	100	7,2	1370	1137		•	4,97	0,0185
16199	16198	ELECTRA 1	12 LEDs	MD	W2	115	8,3	1570	1307		•	4,97	0,0185
16203	16202	ELECTRA 1	12 LEDs	MD	W2	145	10,5	1980	1644		•	4,97	0,0185
16207	16206	ELECTRA 1	12 LEDs	MD	W2	175	12,7	2380	1980		•	4,97	0,0185
16211	16210	ELECTRA 1	12 LEDs	MD	W2	220	15,9	3000	2492		•	4,97	0,0185
16215	16214	ELECTRA 1	12 LEDs	MD	W2	260	18,9	3550	2954		•	4,97	0,0185
16219	16218	ELECTRA 1	12 LEDs	MD	W2	300	21,9	4110	3418		•	4,97	0,0185
16223	16222	ELECTRA 1	12 LEDs	MD	W2	340	24,7	4540	3781		•	4,97	0,0185
16227	16226	ELECTRA 1	12 LEDs	MD	W2	380	27,3	4980	4144		•	4,97	0,0185
16231	16230	ELECTRA 1	12 LEDs	MD	W2	420	30,3	5440	4526		•	4,97	0,0185
16243	16242	ELECTRA 1	24 LEDs	MD	W2	200	28,2	5580	4642		•	4,97	0,0185
16247	16246	ELECTRA 1	24 LEDs	MD	W2	220	31,1	6090	5071		•	4,97	0,0185
16251	16250	ELECTRA 1	24 LEDs	MD	W2	240	34,0	6600	5499		•	4,97	0,0185
16255	16254	ELECTRA 1	24 LEDs	MD	W2	260	36,8	7120	5929		•	4,97	0,0185
16259	16258	ELECTRA 1	24 LEDs	MD	W2	280	39,7	7630	6358		•	4,97	0,0185
16263	16262	ELECTRA 1	24 LEDs	MD	W2	300	42,6	8150	6788		•	4,97	0,0185
16267	16266	ELECTRA 1	24 LEDs	MD	W2	320	45,5	8610	7170		•	4,97	0,0185
16271	16270	ELECTRA 1	24 LEDs	MD	W2	340	48,5	9070	7552		•	4,97	0,0185
16275	16274	ELECTRA 1	24 LEDs	MD	W2	360	51,5	9520	7933		•	4,97	0,0185
16279	16278	ELECTRA 1	24 LEDs	MD	W2	380	54,5	9980	8315		•	4,97	0,0185
16283	16282	ELECTRA 1	24 LEDs	MD	W2	400	57,4	10440	8696		•	4,97	0,0185
16287	16286	ELECTRA 1	24 LEDs	MD	W2	420	60,4	10870	9058	•		4,97	0,0185
16337	16336	ELECTRA 1	36 LEDs	MD	W2	280	59,1	11080	9228		•	4,97	0,0185
16345	16344	ELECTRA 1	36 LEDs	MD	W2	300	63,4	11830	9852		•	4,97	0,0185
16353	16352	ELECTRA 1	36 LEDs	MD	W2	320	67,7	12560	10463		•	4,97	0,0185
16361	16360	ELECTRA 1	36 LEDs	MD	W2	340	72,1	13290	11075		•	4,97	0,0185
16369	16368	ELECTRA 1	36 LEDs	MD	W2	360	76,4	14030	11687		•	4,97	0,0185
16377	16376	ELECTRA 1	36 LEDs	MD	W2	380	80,8	14760	12299		•	4,97	0,0185
16385	16384	ELECTRA 1	36 LEDs	MD	W2	400	85,1	15500	12910	•		4,97	0,0185
16393	16392	ELECTRA 1	36 LEDs	MD	W2	420	89,3	16140	13449	•		4,97	0,0185

16463	16462	ELECTRA 1	12 LEDs	MD	T4	100	7,2	1330	1103		•	4,97	0,0185
16465	16464	ELECTRA 1	12 LEDs	MD	T4	115	8,3	1530	1268		•	4,97	0,0185
16469	16468	ELECTRA 1	12 LEDs	MD	T4	145	10,5	1920	1594		•	4,97	0,0185
16473	16472	ELECTRA 1	12 LEDs	MD	T4	175	12,7	2310	1920		•	4,97	0,0185
16477	16476	ELECTRA 1	12 LEDs	MD	T4	220	15,9	2900	2416		•	4,97	0,0185
16481	16480	ELECTRA 1	12 LEDs	MD	T4	260	18,9	3440	2865		•	4,97	0,0185
16485	16484	ELECTRA 1	12 LEDs	MD	T4	300	21,9	3980	3315		•	4,97	0,0185
16489	16488	ELECTRA 1	12 LEDs	MD	T4	340	24,7	4400	3666		•	4,97	0,0185
16493	16492	ELECTRA 1	12 LEDs	MD	T4	380	27,3	4830	4018		•	4,97	0,0185
16497	16496	ELECTRA 1	12 LEDs	MD	T4	420	30,3	5270	4388		•	4,97	0,0185
16509	16508	ELECTRA 1	24 LEDs	MD	T4	200	28,2	5410	4501		•	4,97	0,0185
16513	16512	ELECTRA 1	24 LEDs	MD	T4	220	31,1	5910	4918		•	4,97	0,0185
16517	16516	ELECTRA 1	24 LEDs	MD	T4	240	34,0	6400	5333		•	4,97	0,0185
16521	16520	ELECTRA 1	24 LEDs	MD	T4	260	36,8	6900	5750		•	4,97	0,0185
16525	16524	ELECTRA 1	24 LEDs	MD	T4	280	39,7	7400	6165		•	4,97	0,0185
16529	16528	ELECTRA 1	24 LEDs	MD	T4	300	42,6	7900	6582		•	4,97	0,0185
16533	16532	ELECTRA 1	24 LEDs	MD	T4	320	45,5	8350	6953		•	4,97	0,0185
16537	16536	ELECTRA 1	24 LEDs	MD	T4	340	48,5	8790	7323		•	4,97	0,0185
16541	16540	ELECTRA 1	24 LEDs	MD	T4	360	51,5	9240	7693		•	4,97	0,0185
16545	16544	ELECTRA 1	24 LEDs	MD	T4	380	54,5	9680	8063		•	4,97	0,0185
16549	16548	ELECTRA 1	24 LEDs	MD	T4	400	57,4	10120	8433		•	4,97	0,0185
16553	16552	ELECTRA 1	24 LEDs	MD	T4	420	60,4	10550	8784	•		4,97	0,0185
16603	16602	ELECTRA 1	36 LEDs	MD	T4	280	59,1	10740	8949		•	4,97	0,0185
16611	16610	ELECTRA 1	36 LEDs	MD	T4	300	63,4	11470	9553		•	4,97	0,0185
16619	16618	ELECTRA 1	36 LEDs	MD	T4	320	67,7	12180	10146		•	4,97	0,0185
16627	16626	ELECTRA 1	36 LEDs	MD	T4	340	72,1	12890	10739		•	4,97	0,0185
16635	16634	ELECTRA 1	36 LEDs	MD	T4	360	76,4	13600	11332		•	4,97	0,0185
16643	16642	ELECTRA 1	36 LEDs	MD	T4	380	80,8	14320	11926		•	4,97	0,0185
16651	16650	ELECTRA 1	36 LEDs	MD	T4	400	85,1	15030	12519	•		4,97	0,0185
16659	16658	ELECTRA 1	36 LEDs	MD	T4	420	89,3	15650	13041	•		4,97	0,0185

ELECTRA 1 – PRODUCT CODES

3000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
CL I	CL II												
16729	16728	ELECTRA 1	12 LEDs	MD	M2	100	7,2	1360	1126		•	4,97	0,0185
16731	16730	ELECTRA 1	12 LEDs	MD	M2	115	8,3	1560	1294		•	4,97	0,0185
16735	16734	ELECTRA 1	12 LEDs	MD	M2	145	10,5	1960	1627		•	4,97	0,0185
16739	16738	ELECTRA 1	12 LEDs	MD	M2	175	12,7	2360	1960		•	4,97	0,0185
16743	16742	ELECTRA 1	12 LEDs	MD	M2	220	15,9	2970	2467		•	4,97	0,0185
16747	16746	ELECTRA 1	12 LEDs	MD	M2	260	18,9	3510	2924		•	4,97	0,0185
16751	16750	ELECTRA 1	12 LEDs	MD	M2	300	21,9	4070	3384		•	4,97	0,0185
16755	16754	ELECTRA 1	12 LEDs	MD	M2	340	24,7	4500	3743		•	4,97	0,0185
16759	16758	ELECTRA 1	12 LEDs	MD	M2	380	27,3	4930	4102		•	4,97	0,0185
16763	16762	ELECTRA 1	12 LEDs	MD	M2	420	30,3	5380	4480		•	4,97	0,0185
16775	16774	ELECTRA 1	24 LEDs	MD	M2	200	28,2	5520	4595		•	4,97	0,0185
16779	16778	ELECTRA 1	24 LEDs	MD	M2	220	31,1	6030	5020		•	4,97	0,0185
16783	16782	ELECTRA 1	24 LEDs	MD	M2	240	34,0	6540	5444		•	4,97	0,0185
16787	16786	ELECTRA 1	24 LEDs	MD	M2	260	36,8	7050	5869		•	4,97	0,0185
16791	16790	ELECTRA 1	24 LEDs	MD	M2	280	39,7	7560	6294		•	4,97	0,0185
16795	16794	ELECTRA 1	24 LEDs	MD	M2	300	42,6	8070	6720		•	4,97	0,0185
16799	16798	ELECTRA 1	24 LEDs	MD	M2	320	45,5	8520	7097		•	4,97	0,0185
16803	16802	ELECTRA 1	24 LEDs	MD	M2	340	48,5	8970	7475		•	4,97	0,0185
16807	16806	ELECTRA 1	24 LEDs	MD	M2	360	51,5	9430	7853		•	4,97	0,0185
16811	16810	ELECTRA 1	24 LEDs	MD	M2	380	54,5	9880	8231		•	4,97	0,0185
16815	16814	ELECTRA 1	24 LEDs	MD	M2	400	57,4	10340	8609		•	4,97	0,0185
16819	16818	ELECTRA 1	24 LEDs	MD	M2	420	60,4	10770	8967	•	•	4,97	0,0185
16869	16868	ELECTRA 1	36 LEDs	MD	M2	280	59,1	10970	9135		•	4,97	0,0185
16877	16876	ELECTRA 1	36 LEDs	MD	M2	300	63,4	11710	9752		•	4,97	0,0185
16885	16884	ELECTRA 1	36 LEDs	MD	M2	320	67,7	12430	10357		•	4,97	0,0185
16893	16892	ELECTRA 1	36 LEDs	MD	M2	340	72,1	13160	10963		•	4,97	0,0185
16901	16900	ELECTRA 1	36 LEDs	MD	M2	360	76,4	13890	11568		•	4,97	0,0185
16909	16908	ELECTRA 1	36 LEDs	MD	M2	380	80,8	14610	12174		•	4,97	0,0185
16917	16916	ELECTRA 1	36 LEDs	MD	M2	400	85,1	15340	12780	•	•	4,97	0,0185
16925	16924	ELECTRA 1	36 LEDs	MD	M2	420	89,3	15980	13313	•	•	4,97	0,0185

16995	16994	ELECTRA 1	12 LEDs	MD	ST1	100	7,2	1340	1114		•	4,97	0,0185
16997	16996	ELECTRA 1	12 LEDs	MD	ST1	115	8,3	1540	1281		•	4,97	0,0185
17001	17000	ELECTRA 1	12 LEDs	MD	ST1	145	10,5	1940	1611		•	4,97	0,0185
17005	17004	ELECTRA 1	12 LEDs	MD	ST1	175	12,7	2330	1941		•	4,97	0,0185
17009	17008	ELECTRA 1	12 LEDs	MD	ST1	220	15,9	2940	2442		•	4,97	0,0185
17013	17012	ELECTRA 1	12 LEDs	MD	ST1	260	18,9	3480	2894		•	4,97	0,0185
17017	17016	ELECTRA 1	12 LEDs	MD	ST1	300	21,9	4020	3349		•	4,97	0,0185
17021	17020	ELECTRA 1	12 LEDs	MD	ST1	340	24,7	4450	3705		•	4,97	0,0185
17025	17024	ELECTRA 1	12 LEDs	MD	ST1	380	27,3	4880	4060		•	4,97	0,0185
17029	17028	ELECTRA 1	12 LEDs	MD	ST1	420	30,3	5330	4434		•	4,97	0,0185
17041	17040	ELECTRA 1	24 LEDs	MD	ST1	200	28,2	5460	4548		•	4,97	0,0185
17045	17044	ELECTRA 1	24 LEDs	MD	ST1	220	31,1	5970	4968		•	4,97	0,0185
17049	17048	ELECTRA 1	24 LEDs	MD	ST1	240	34,0	6470	5389		•	4,97	0,0185
17053	17052	ELECTRA 1	24 LEDs	MD	ST1	260	36,8	6980	5809		•	4,97	0,0185
17057	17056	ELECTRA 1	24 LEDs	MD	ST1	280	39,7	7480	6230		•	4,97	0,0185
17061	17060	ELECTRA 1	24 LEDs	MD	ST1	300	42,6	7990	6651		•	4,97	0,0185
17065	17064	ELECTRA 1	24 LEDs	MD	ST1	320	45,5	8430	7025		•	4,97	0,0185
17069	17068	ELECTRA 1	24 LEDs	MD	ST1	340	48,5	8880	7399		•	4,97	0,0185
17073	17072	ELECTRA 1	24 LEDs	MD	ST1	360	51,5	9330	7773		•	4,97	0,0185
17077	17076	ELECTRA 1	24 LEDs	MD	ST1	380	54,5	9780	8147		•	4,97	0,0185
17081	17080	ELECTRA 1	24 LEDs	MD	ST1	400	57,4	10230	8521		•	4,97	0,0185
17085	17084	ELECTRA 1	24 LEDs	MD	ST1	420	60,4	10660	8876	•	•	4,97	0,0185
17135	17134	ELECTRA 1	36 LEDs	MD	ST1	280	59,1	10860	9042		•	4,97	0,0185
17143	17142	ELECTRA 1	36 LEDs	MD	ST1	300	63,4	11590	9652		•	4,97	0,0185
17151	17150	ELECTRA 1	36 LEDs	MD	ST1	320	67,7	12310	10251		•	4,97	0,0185
17159	17158	ELECTRA 1	36 LEDs	MD	ST1	340	72,1	13030	10851		•	4,97	0,0185
17167	17166	ELECTRA 1	36 LEDs	MD	ST1	360	76,4	13750	11451		•	4,97	0,0185
17175	17174	ELECTRA 1	36 LEDs	MD	ST1	380	80,8	14460	12050		•	4,97	0,0185
17183	17182	ELECTRA 1	36 LEDs	MD	ST1	400	85,1	15180	12649	•	•	4,97	0,0185
17191	17190	ELECTRA 1	36 LEDs	MD	ST1	420	89,3	15820	13177	•	•	4,97	0,0185

ELECTRA 2 – PRODUCT CODES

4000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
CL I	CL II												
11739	11738	ELECTRA 2	36 LEDs	MD	V	400	85,1	16740	13949	•	•	5,70	0,0199
11743	11742	ELECTRA 2	36 LEDs	MD	V	410	87,4	17070	14222	•		5,70	0,0199
11747	11746	ELECTRA 2	36 LEDs	MD	V	420	89,7	17400	14496	•		5,70	0,0199
11751	11750	ELECTRA 2	36 LEDs	MD	V	430	92,0	17730	14769	•		5,70	0,0199
11755	11754	ELECTRA 2	36 LEDs	MD	V	440	94,3	18060	15043	•		5,70	0,0199
11759	11758	ELECTRA 2	36 LEDs	MD	V	450	96,3	18360	15300	•		5,70	0,0199
11763	11762	ELECTRA 2	36 LEDs	MD	V	460	98,3	18680	15559	•		5,70	0,0199
11839	11838	ELECTRA 2	48 LEDs	MD	V	345	97,5	19080	15896	•	•	5,70	0,0199
11845	11844	ELECTRA 2	48 LEDs	MD	V	360	102,2	19770	16473	•		5,70	0,0199
11851	11850	ELECTRA 2	48 LEDs	MD	V	375	106,8	20460	17050	•		5,70	0,0199
11857	11856	ELECTRA 2	48 LEDs	MD	V	390	111,6	21310	17751	•		5,70	0,0199
11863	11862	ELECTRA 2	48 LEDs	MD	V	405	116,2	22150	18452	•		5,70	0,0199
11869	11868	ELECTRA 2	48 LEDs	MD	V	420	120,3	22850	19036	•		5,70	0,0199
11875	11874	ELECTRA 2	48 LEDs	MD	V	435	124,4	23550	19619	•		5,70	0,0199

12045	12044	ELECTRA 2	36 LEDs	MD	S	400	85,1	16740	13531	•	•	5,70	0,0199
12049	12048	ELECTRA 2	36 LEDs	MD	S	410	87,4	17070	13796	•		5,70	0,0199
12053	12052	ELECTRA 2	36 LEDs	MD	S	420	89,7	17400	14062	•		5,70	0,0199
12057	12056	ELECTRA 2	36 LEDs	MD	S	430	92,0	17730	14326	•		5,70	0,0199
12061	12060	ELECTRA 2	36 LEDs	MD	S	440	94,3	18060	14592	•		5,70	0,0199
12065	12064	ELECTRA 2	36 LEDs	MD	S	450	96,3	18360	14841	•		5,70	0,0199
12069	12068	ELECTRA 2	36 LEDs	MD	S	460	98,3	18680	15093	•		5,70	0,0199
12145	12144	ELECTRA 2	48 LEDs	MD	S	345	97,5	19080	15420	•	•	5,70	0,0199
12151	12150	ELECTRA 2	48 LEDs	MD	S	360	102,2	19770	15979	•		5,70	0,0199
12157	12156	ELECTRA 2	48 LEDs	MD	S	375	106,8	20460	16539	•		5,70	0,0199
12163	12162	ELECTRA 2	48 LEDs	MD	S	390	111,6	21310	17219	•		5,70	0,0199
12169	12168	ELECTRA 2	48 LEDs	MD	S	405	116,2	22150	17899	•		5,70	0,0199
12175	12174	ELECTRA 2	48 LEDs	MD	S	420	120,3	22850	18465	•		5,70	0,0199
12181	12180	ELECTRA 2	48 LEDs	MD	S	435	124,4	23550	19031	•		5,70	0,0199

12351	12350	ELECTRA 2	36 LEDs	MD	W2	400	85,1	16740	13810	•	•	5,70	0,0199
12355	12354	ELECTRA 2	36 LEDs	MD	W2	410	87,4	17070	14080	•		5,70	0,0199
12359	12358	ELECTRA 2	36 LEDs	MD	W2	420	89,7	17400	14352	•		5,70	0,0199
12363	12362	ELECTRA 2	36 LEDs	MD	W2	430	92,0	17730	14622	•		5,70	0,0199
12367	12366	ELECTRA 2	36 LEDs	MD	W2	440	94,3	18060	14893	•		5,70	0,0199
12371	12370	ELECTRA 2	36 LEDs	MD	W2	450	96,3	18360	15147	•		5,70	0,0199
12375	12374	ELECTRA 2	36 LEDs	MD	W2	460	98,3	18680	15404	•		5,70	0,0199
12451	12450	ELECTRA 2	48 LEDs	MD	W2	345	97,5	19080	15738	•	•	5,70	0,0199
12457	12456	ELECTRA 2	48 LEDs	MD	W2	360	102,2	19770	16309	•		5,70	0,0199
12463	12462	ELECTRA 2	48 LEDs	MD	W2	375	106,8	20460	16880	•		5,70	0,0199
12469	12468	ELECTRA 2	48 LEDs	MD	W2	390	111,6	21310	17574	•		5,70	0,0199
12475	12474	ELECTRA 2	48 LEDs	MD	W2	405	116,2	22150	18268	•		5,70	0,0199
12481	12480	ELECTRA 2	48 LEDs	MD	W2	420	120,3	22850	18846	•		5,70	0,0199
12487	12486	ELECTRA 2	48 LEDs	MD	W2	435	124,4	23550	19423	•		5,70	0,0199

12657	12656	ELECTRA 2	36 LEDs	MD	T4	400	85,1	16740	13392	•	•	5,70	0,0199
12661	12660	ELECTRA 2	36 LEDs	MD	T4	410	87,4	17070	13654	•		5,70	0,0199
12665	12664	ELECTRA 2	36 LEDs	MD	T4	420	89,7	17400	13917	•		5,70	0,0199
12669	12668	ELECTRA 2	36 LEDs	MD	T4	430	92,0	17730	14179	•		5,70	0,0199
12673	12672	ELECTRA 2	36 LEDs	MD	T4	440	94,3	18060	14442	•		5,70	0,0199
12677	12676	ELECTRA 2	36 LEDs	MD	T4	450	96,3	18360	14688	•		5,70	0,0199
12681	12680	ELECTRA 2	36 LEDs	MD	T4	460	98,3	18680	14937	•		5,70	0,0199
12757	12756	ELECTRA 2	48 LEDs	MD	T4	345	97,5	19080	15261	•	•	5,70	0,0199
12763	12762	ELECTRA 2	48 LEDs	MD	T4	360	102,2	19770	15815	•		5,70	0,0199
12769	12768	ELECTRA 2	48 LEDs	MD	T4	375	106,8	20460	16368	•		5,70	0,0199
12775	12774	ELECTRA 2	48 LEDs	MD	T4	390	111,6	21310	17041	•		5,70	0,0199
12781	12780	ELECTRA 2	48 LEDs	MD	T4	405	116,2	22150	17714	•		5,70	0,0199
12787	12786	ELECTRA 2	48 LEDs	MD	T4	420	120,3	22850	18275	•		5,70	0,0199
12793	12792	ELECTRA 2	48 LEDs	MD	T4	435	124,4	23550	18835	•		5,70	0,0199

ELECTRA 2 – PRODUCT CODES

4000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
<b>CL I</b>	<b>CL II</b>												
12963	12962	ELECTRA 2	36 LEDs	MD	M2	400	85,1	16740	13671	•	•	5,70	0,0199
12967	12966	ELECTRA 2	36 LEDs	MD	M2	410	87,4	17070	13938	•		5,70	0,0199
12971	12970	ELECTRA 2	36 LEDs	MD	M2	420	89,7	17400	14207	•		5,70	0,0199
12975	12974	ELECTRA 2	36 LEDs	MD	M2	430	92,0	17730	14474	•		5,70	0,0199
12979	12978	ELECTRA 2	36 LEDs	MD	M2	440	94,3	18060	14743	•		5,70	0,0199
12983	12982	ELECTRA 2	36 LEDs	MD	M2	450	96,3	18360	14994	•		5,70	0,0199
12987	12986	ELECTRA 2	36 LEDs	MD	M2	460	98,3	18680	15248	•		5,70	0,0199
13063	13062	ELECTRA 2	48 LEDs	MD	M2	345	97,5	19080	15579		•	5,70	0,0199
13069	13068	ELECTRA 2	48 LEDs	MD	M2	360	102,2	19770	16144	•		5,70	0,0199
13075	13074	ELECTRA 2	48 LEDs	MD	M2	375	106,8	20460	16709	•		5,70	0,0199
13081	13080	ELECTRA 2	48 LEDs	MD	M2	390	111,6	21310	17396	•		5,70	0,0199
13087	13086	ELECTRA 2	48 LEDs	MD	M2	405	116,2	22150	18083	•		5,70	0,0199
13093	13092	ELECTRA 2	48 LEDs	MD	M2	420	120,3	22850	18656	•		5,70	0,0199
13099	13098	ELECTRA 2	48 LEDs	MD	M2	435	124,4	23550	19227	•		5,70	0,0199

13269	13268	ELECTRA 2	36 LEDs	MD	ST1	400	85,1	16740	13531	•	•	5,70	0,0199
13273	13272	ELECTRA 2	36 LEDs	MD	ST1	410	87,4	17070	13796	•		5,70	0,0199
13277	13276	ELECTRA 2	36 LEDs	MD	ST1	420	89,7	17400	14062	•		5,70	0,0199
13281	13280	ELECTRA 2	36 LEDs	MD	ST1	430	92,0	17730	14326	•		5,70	0,0199
13285	13284	ELECTRA 2	36 LEDs	MD	ST1	440	94,3	18060	14592	•		5,70	0,0199
13289	13288	ELECTRA 2	36 LEDs	MD	ST1	450	96,3	18360	14841	•		5,70	0,0199
13293	13292	ELECTRA 2	36 LEDs	MD	ST1	460	98,3	18680	15093	•		5,70	0,0199
13369	13368	ELECTRA 2	48 LEDs	MD	ST1	345	97,5	19080	15420		•	5,70	0,0199
13375	13374	ELECTRA 2	48 LEDs	MD	ST1	360	102,2	19770	15979	•		5,70	0,0199
13381	13380	ELECTRA 2	48 LEDs	MD	ST1	375	106,8	20460	16539	•		5,70	0,0199
13387	13386	ELECTRA 2	48 LEDs	MD	ST1	390	111,6	21310	17219	•		5,70	0,0199
13393	13392	ELECTRA 2	48 LEDs	MD	ST1	405	116,2	22150	17899	•		5,70	0,0199
13399	13398	ELECTRA 2	48 LEDs	MD	ST1	420	120,3	22850	18465	•		5,70	0,0199
13405	13404	ELECTRA 2	48 LEDs	MD	ST1	435	124,4	23550	19031	•		5,70	0,0199

ELECTRA 2 – PRODUCT CODES

3000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
CL I	CL II									This 35°	Ta 55°		
17367	17366	ELECTRA 2	36 LEDs	MD	V	400	85,1	15740	13113	•	•	5,70	0,0199
17371	17370	ELECTRA 2	36 LEDs	MD	V	410	87,4	16050	13369	•		5,70	0,0199
17375	17374	ELECTRA 2	36 LEDs	MD	V	420	89,7	16360	13627	•		5,70	0,0199
17379	17378	ELECTRA 2	36 LEDs	MD	V	430	92,0	16660	13883	•		5,70	0,0199
17383	17382	ELECTRA 2	36 LEDs	MD	V	440	94,3	16970	14141	•		5,70	0,0199
17387	17386	ELECTRA 2	36 LEDs	MD	V	450	96,3	17260	14382	•		5,70	0,0199
17391	17390	ELECTRA 2	36 LEDs	MD	V	460	98,3	17560	14626	•		5,70	0,0199
17467	17466	ELECTRA 2	48 LEDs	MD	V	345	97,5	17940	14943		•	5,70	0,0199
17473	17472	ELECTRA 2	48 LEDs	MD	V	360	102,2	18590	15485	•		5,70	0,0199
17479	17478	ELECTRA 2	48 LEDs	MD	V	375	106,8	19240	16027	•		5,70	0,0199
17485	17484	ELECTRA 2	48 LEDs	MD	V	390	111,6	20030	16686	•		5,70	0,0199
17491	17490	ELECTRA 2	48 LEDs	MD	V	405	116,2	20820	17345	•		5,70	0,0199
17497	17496	ELECTRA 2	48 LEDs	MD	V	420	120,3	21480	17894	•		5,70	0,0199
17503	17502	ELECTRA 2	48 LEDs	MD	V	435	124,4	22140	18442	•		5,70	0,0199

17673	17672	ELECTRA 2	36 LEDs	MD	S	400	85,1	15270	12720	•	•	5,70	0,0199
17677	17676	ELECTRA 2	36 LEDs	MD	S	410	87,4	15570	12969	•		5,70	0,0199
17681	17680	ELECTRA 2	36 LEDs	MD	S	420	89,7	15870	13219	•		5,70	0,0199
17685	17684	ELECTRA 2	36 LEDs	MD	S	430	92,0	16170	13467	•		5,70	0,0199
17689	17688	ELECTRA 2	36 LEDs	MD	S	440	94,3	16470	13717	•		5,70	0,0199
17693	17692	ELECTRA 2	36 LEDs	MD	S	450	96,3	16750	13951	•		5,70	0,0199
17697	17696	ELECTRA 2	36 LEDs	MD	S	460	98,3	17030	14188	•		5,70	0,0199
17773	17772	ELECTRA 2	48 LEDs	MD	S	345	97,5	17400	14495		•	5,70	0,0199
17779	17778	ELECTRA 2	48 LEDs	MD	S	360	102,2	18030	15021	•		5,70	0,0199
17785	17784	ELECTRA 2	48 LEDs	MD	S	375	106,8	18660	15547	•		5,70	0,0199
17791	17790	ELECTRA 2	48 LEDs	MD	S	390	111,6	19430	16186	•		5,70	0,0199
17797	17796	ELECTRA 2	48 LEDs	MD	S	405	116,2	20200	16826	•		5,70	0,0199
17803	17802	ELECTRA 2	48 LEDs	MD	S	420	120,3	20830	17358	•		5,70	0,0199
17809	17808	ELECTRA 2	48 LEDs	MD	S	435	124,4	21470	17890	•		5,70	0,0199

17979	17978	ELECTRA 2	36 LEDs	MD	W2	400	85,1	15580	12982	•	•	5,70	0,0199
17983	17982	ELECTRA 2	36 LEDs	MD	W2	410	87,4	15890	13236	•		5,70	0,0199
17987	17986	ELECTRA 2	36 LEDs	MD	W2	420	89,7	16190	13491	•		5,70	0,0199
17991	17990	ELECTRA 2	36 LEDs	MD	W2	430	92,0	16500	13745	•		5,70	0,0199
17995	17994	ELECTRA 2	36 LEDs	MD	W2	440	94,3	16800	14000	•		5,70	0,0199
17999	17998	ELECTRA 2	36 LEDs	MD	W2	450	96,3	17090	14239	•		5,70	0,0199
18003	18002	ELECTRA 2	36 LEDs	MD	W2	460	98,3	17380	14480	•		5,70	0,0199
18079	18078	ELECTRA 2	48 LEDs	MD	W2	345	97,5	17760	14794		•	5,70	0,0199
18085	18084	ELECTRA 2	48 LEDs	MD	W2	360	102,2	18400	15331	•		5,70	0,0199
18091	18090	ELECTRA 2	48 LEDs	MD	W2	375	106,8	19050	15868	•		5,70	0,0199
18097	18096	ELECTRA 2	48 LEDs	MD	W2	390	111,6	19830	16520	•		5,70	0,0199
18103	18102	ELECTRA 2	48 LEDs	MD	W2	405	116,2	20610	17172	•		5,70	0,0199
18109	18108	ELECTRA 2	48 LEDs	MD	W2	420	120,3	21260	17716	•		5,70	0,0199
18115	18114	ELECTRA 2	48 LEDs	MD	W2	435	124,4	21910	18258	•		5,70	0,0199

18285	18284	ELECTRA 2	36 LEDs	MD	T4	400	85,1	15110	12589	•	•	5,70	0,0199
18289	18288	ELECTRA 2	36 LEDs	MD	T4	410	87,4	15410	12835	•		5,70	0,0199
18293	18292	ELECTRA 2	36 LEDs	MD	T4	420	89,7	15700	13082	•		5,70	0,0199
18297	18296	ELECTRA 2	36 LEDs	MD	T4	430	92,0	16000	13329	•		5,70	0,0199
18301	18300	ELECTRA 2	36 LEDs	MD	T4	440	94,3	16300	13576	•		5,70	0,0199
18305	18304	ELECTRA 2	36 LEDs	MD	T4	450	96,3	16570	13807	•		5,70	0,0199
18309	18308	ELECTRA 2	36 LEDs	MD	T4	460	98,3	16850	14041	•		5,70	0,0199
18385	18384	ELECTRA 2	48 LEDs	MD	T4	345	97,5	17220	14346		•	5,70	0,0199
18391	18390	ELECTRA 2	48 LEDs	MD	T4	360	102,2	17850	14867	•		5,70	0,0199
18397	18396	ELECTRA 2	48 LEDs	MD	T4	375	106,8	18470	15386	•		5,70	0,0199
18403	18402	ELECTRA 2	48 LEDs	MD	T4	390	111,6	19230	16019	•		5,70	0,0199
18409	18408	ELECTRA 2	48 LEDs	MD	T4	405	116,2	19990	16652	•		5,70	0,0199
18415	18414	ELECTRA 2	48 LEDs	MD	T4	420	120,3	20620	17179	•		5,70	0,0199
18421	18420	ELECTRA 2	48 LEDs	MD	T4	435	124,4	21250	17705	•		5,70	0,0199

ELECTRA 2 – PRODUCT CODES

3000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
<b>CL I</b>	<b>CL II</b>												
18591	18590	ELECTRA 2	36 LEDs	MD	M2	400	85,1	15430	12851	•	•	5,70	0,0199
18595	18594	ELECTRA 2	36 LEDs	MD	M2	410	87,4	15730	13102	•		5,70	0,0199
18599	18598	ELECTRA 2	36 LEDs	MD	M2	420	89,7	16030	13355	•		5,70	0,0199
18603	18602	ELECTRA 2	36 LEDs	MD	M2	430	92,0	16330	13606	•		5,70	0,0199
18607	18606	ELECTRA 2	36 LEDs	MD	M2	440	94,3	16640	13859	•		5,70	0,0199
18611	18610	ELECTRA 2	36 LEDs	MD	M2	450	96,3	16920	14095	•		5,70	0,0199
18615	18614	ELECTRA 2	36 LEDs	MD	M2	460	98,3	17210	14334	•		5,70	0,0199
18691	18690	ELECTRA 2	48 LEDs	MD	M2	345	97,5	17580	14645		•	5,70	0,0199
18697	18696	ELECTRA 2	48 LEDs	MD	M2	360	102,2	18220	15176	•		5,70	0,0199
18703	18702	ELECTRA 2	48 LEDs	MD	M2	375	106,8	18850	15707	•		5,70	0,0199
18709	18708	ELECTRA 2	48 LEDs	MD	M2	390	111,6	19630	16353	•		5,70	0,0199
18715	18714	ELECTRA 2	48 LEDs	MD	M2	405	116,2	20400	16999	•		5,70	0,0199
18721	18720	ELECTRA 2	48 LEDs	MD	M2	420	120,3	21050	17537	•		5,70	0,0199
18727	18726	ELECTRA 2	48 LEDs	MD	M2	435	124,4	21690	18074	•		5,70	0,0199
18897	18896	ELECTRA 2	36 LEDs	MD	ST1	400	85,1	15270	12720	•	•	5,70	0,0199
18901	18900	ELECTRA 2	36 LEDs	MD	ST1	410	87,4	15570	12969	•		5,70	0,0199
18905	18904	ELECTRA 2	36 LEDs	MD	ST1	420	89,7	15870	13219	•		5,70	0,0199
18909	18908	ELECTRA 2	36 LEDs	MD	ST1	430	92,0	16170	13467	•		5,70	0,0199
18913	18912	ELECTRA 2	36 LEDs	MD	ST1	440	94,3	16470	13717	•		5,70	0,0199
18917	18916	ELECTRA 2	36 LEDs	MD	ST1	450	96,3	16750	13951	•		5,70	0,0199
18921	18920	ELECTRA 2	36 LEDs	MD	ST1	460	98,3	17030	14188	•		5,70	0,0199
18997	18996	ELECTRA 2	48 LEDs	MD	ST1	345	97,5	17400	14495		•	5,70	0,0199
19003	19002	ELECTRA 2	48 LEDs	MD	ST1	360	102,2	18030	15021	•		5,70	0,0199
19009	19008	ELECTRA 2	48 LEDs	MD	ST1	375	106,8	18660	15547	•		5,70	0,0199
19015	19014	ELECTRA 2	48 LEDs	MD	ST1	390	111,6	19430	16186	•		5,70	0,0199
19021	19020	ELECTRA 2	48 LEDs	MD	ST1	405	116,2	20200	16826	•		5,70	0,0199
19027	19026	ELECTRA 2	48 LEDs	MD	ST1	420	120,3	20830	17358	•		5,70	0,0199
19033	19032	ELECTRA 2	48 LEDs	MD	ST1	435	124,4	21470	17890	•		5,70	0,0199

## ELECTRA 3 – PRODUCT CODES

4000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
CL I	CL II												
13613	13612	ELECTRA 3	60 LEDs	MD	V	345	121,0	23660	19714	•	•	6,60	0,0239
13619	13618	ELECTRA 3	60 LEDs	MD	V	360	126,4	24520	20428	•		6,60	0,0239
13625	13624	ELECTRA 3	60 LEDs	MD	V	375	131,9	25370	21141	•		6,60	0,0239
13631	13630	ELECTRA 3	60 LEDs	MD	V	390	137,8	26260	21877	•		6,60	0,0239
13729	13728	ELECTRA 3	64 LEDs	MD	V	330	124,2	24780	20644	•	•	6,60	0,0239
13737	13736	ELECTRA 3	64 LEDs	MD	V	350	132,2	26000	21664	•		6,60	0,0239
13743	13742	ELECTRA 3	64 LEDs	MD	V	365	138,1	26920	22428	•		6,60	0,0239
13749	13748	ELECTRA 3	64 LEDs	MD	V	380	144,0	27840	23193	•		6,60	0,0239
13755	13754	ELECTRA 3	64 LEDs	MD	V	395	150,0	28750	23958	•		6,60	0,0239
13761	13760	ELECTRA 3	64 LEDs	MD	V	410	155,7	29700	24747	•		6,60	0,0239
13767	13766	ELECTRA 3	64 LEDs	MD	V	425	161,5	30660	25547	•		6,60	0,0239
13773	13772	ELECTRA 3	64 LEDs	MD	V	440	167,2	31620	26348	•		6,60	0,0239
13777	13776	ELECTRA 3	64 LEDs	MD	V	450	171,1	32260	26877	•		6,60	0,0239

13979	13978	ELECTRA 3	60 LEDs	MD	S	345	121,0	23660	19123	•	•	6,60	0,0239
13985	13984	ELECTRA 3	60 LEDs	MD	S	360	126,4	24520	19816	•		6,60	0,0239
13991	13990	ELECTRA 3	60 LEDs	MD	S	375	131,9	25370	20507	•		6,60	0,0239
13997	13996	ELECTRA 3	60 LEDs	MD	S	390	137,8	26260	21221	•		6,60	0,0239
14095	14094	ELECTRA 3	64 LEDs	MD	S	330	124,2	24780	20025	•	•	6,60	0,0239
14103	14102	ELECTRA 3	64 LEDs	MD	S	350	132,2	26000	21015	•		6,60	0,0239
14109	14108	ELECTRA 3	64 LEDs	MD	S	365	138,1	26920	21756	•		6,60	0,0239
14115	14114	ELECTRA 3	64 LEDs	MD	S	380	144,0	27840	22498	•		6,60	0,0239
14121	14120	ELECTRA 3	64 LEDs	MD	S	395	150,0	28750	23240	•		6,60	0,0239
14127	14126	ELECTRA 3	64 LEDs	MD	S	410	155,7	29700	24005	•		6,60	0,0239
14133	14132	ELECTRA 3	64 LEDs	MD	S	425	161,5	30660	24781	•		6,60	0,0239
14139	14138	ELECTRA 3	64 LEDs	MD	S	440	167,2	31620	25558	•		6,60	0,0239
14143	14142	ELECTRA 3	64 LEDs	MD	S	450	171,1	32260	26071	•		6,60	0,0239

14345	14344	ELECTRA 3	60 LEDs	MD	W2	345	121,0	23660	19517	•	•	6,60	0,0239
14351	14350	ELECTRA 3	60 LEDs	MD	W2	360	126,4	24520	20224	•		6,60	0,0239
14357	14356	ELECTRA 3	60 LEDs	MD	W2	375	131,9	25370	20930	•		6,60	0,0239
14363	14362	ELECTRA 3	60 LEDs	MD	W2	390	137,8	26260	21659	•		6,60	0,0239
14461	14460	ELECTRA 3	64 LEDs	MD	W2	330	124,2	24780	20438	•	•	6,60	0,0239
14469	14468	ELECTRA 3	64 LEDs	MD	W2	350	132,2	26000	21448	•		6,60	0,0239
14475	14474	ELECTRA 3	64 LEDs	MD	W2	365	138,1	26920	22204	•		6,60	0,0239
14481	14480	ELECTRA 3	64 LEDs	MD	W2	380	144,0	27840	22962	•		6,60	0,0239
14487	14486	ELECTRA 3	64 LEDs	MD	W2	395	150,0	28750	23719	•		6,60	0,0239
14493	14492	ELECTRA 3	64 LEDs	MD	W2	410	155,7	29700	24500	•		6,60	0,0239
14499	14498	ELECTRA 3	64 LEDs	MD	W2	425	161,5	30660	25292	•		6,60	0,0239
14505	14504	ELECTRA 3	64 LEDs	MD	W2	440	167,2	31620	26085	•		6,60	0,0239
14509	14508	ELECTRA 3	64 LEDs	MD	W2	450	171,1	32260	26609	•		6,60	0,0239

14711	14710	ELECTRA 3	60 LEDs	MD	T4	345	121,0	23660	18926	•	•	6,60	0,0239
14717	14716	ELECTRA 3	60 LEDs	MD	T4	360	126,4	24520	19611	•		6,60	0,0239
14723	14722	ELECTRA 3	60 LEDs	MD	T4	375	131,9	25370	20296	•		6,60	0,0239
14729	14728	ELECTRA 3	60 LEDs	MD	T4	390	137,8	26260	21002	•		6,60	0,0239
14827	14826	ELECTRA 3	64 LEDs	MD	T4	330	124,2	24780	19819	•	•	6,60	0,0239
14835	14834	ELECTRA 3	64 LEDs	MD	T4	350	132,2	26000	20798	•		6,60	0,0239
14841	14840	ELECTRA 3	64 LEDs	MD	T4	365	138,1	26920	21531	•		6,60	0,0239
14847	14846	ELECTRA 3	64 LEDs	MD	T4	380	144,0	27840	22266	•		6,60	0,0239
14853	14852	ELECTRA 3	64 LEDs	MD	T4	395	150,0	28750	23000	•		6,60	0,0239
14859	14858	ELECTRA 3	64 LEDs	MD	T4	410	155,7	29700	23758	•		6,60	0,0239
14865	14864	ELECTRA 3	64 LEDs	MD	T4	425	161,5	30660	24526	•		6,60	0,0239
14871	14870	ELECTRA 3	64 LEDs	MD	T4	440	167,2	31620	25295	•		6,60	0,0239
14875	14874	ELECTRA 3	64 LEDs	MD	T4	450	171,1	32260	25802	•		6,60	0,0239

ELECTRA 3 – PRODUCT CODES

4000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
CL I	CL II												
15077	15076	ELECTRA 3	60 LEDs	MD	M2	345	121.0	23660	19320	•	•	6.60	0,0239
15083	15082	ELECTRA 3	60 LEDs	MD	M2	360	126.4	24520	20020	•		6.60	0,0239
15089	15088	ELECTRA 3	60 LEDs	MD	M2	375	131.9	25370	20719	•		6.60	0,0239
15095	15094	ELECTRA 3	60 LEDs	MD	M2	390	137.8	26260	21440	•		6.60	0,0239
15193	15192	ELECTRA 3	64 LEDs	MD	M2	330	124.2	24780	20232	•	•	6.60	0,0239
15201	15200	ELECTRA 3	64 LEDs	MD	M2	350	132.2	26000	21231	•		6.60	0,0239
15207	15206	ELECTRA 3	64 LEDs	MD	M2	365	138.1	26920	21980	•		6.60	0,0239
15213	15212	ELECTRA 3	64 LEDs	MD	M2	380	144.0	27840	22730	•		6.60	0,0239
15219	15218	ELECTRA 3	64 LEDs	MD	M2	395	150.0	28750	23479	•		6.60	0,0239
15225	15224	ELECTRA 3	64 LEDs	MD	M2	410	155.7	29700	24253	•		6.60	0,0239
15231	15230	ELECTRA 3	64 LEDs	MD	M2	425	161.5	30660	25037	•		6.60	0,0239
15237	15236	ELECTRA 3	64 LEDs	MD	M2	440	167.2	31620	25822	•		6.60	0,0239
15241	15240	ELECTRA 3	64 LEDs	MD	M2	450	171.1	32260	26340	•		6.60	0,0239

15443	15442	ELECTRA 3	60 LEDs	MD	ST1	345	121.0	23660	19123	•	•	6.60	0,0239
15449	15448	ELECTRA 3	60 LEDs	MD	ST1	360	126.4	24520	19816	•		6.60	0,0239
15455	15454	ELECTRA 3	60 LEDs	MD	ST1	375	131.9	25370	20507	•		6.60	0,0239
15461	15460	ELECTRA 3	60 LEDs	MD	ST1	390	137.8	26260	21221	•		6.60	0,0239
15559	15558	ELECTRA 3	64 LEDs	MD	ST1	330	124.2	24780	20025	•	•	6.60	0,0239
15567	15566	ELECTRA 3	64 LEDs	MD	ST1	350	132.2	26000	21015	•		6.60	0,0239
15573	15572	ELECTRA 3	64 LEDs	MD	ST1	365	138.1	26920	21756	•		6.60	0,0239
15579	15578	ELECTRA 3	64 LEDs	MD	ST1	380	144.0	27840	22498	•		6.60	0,0239
15585	15584	ELECTRA 3	64 LEDs	MD	ST1	395	150.0	28750	23240	•		6.60	0,0239
15591	15590	ELECTRA 3	64 LEDs	MD	ST1	410	155.7	29700	24005	•		6.60	0,0239
15597	15596	ELECTRA 3	64 LEDs	MD	ST1	425	161.5	30660	24781	•		6.60	0,0239
15603	15602	ELECTRA 3	64 LEDs	MD	ST1	440	167.2	31620	25558	•		6.60	0,0239
15607	15606	ELECTRA 3	64 LEDs	MD	ST1	450	171.1	32260	26071	•		6.60	0,0239

ELECTRA 3 – PRODUCT CODES

3000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
CL I	CL II									This 35°	Ta 55°		
19247	19246	ELECTRA 3	60 LEDs	MD	V	360	126,4	23050	19203	•		6,60	0,0239
19253	19252	ELECTRA 3	60 LEDs	MD	V	375	131,9	23850	19873	•		6,60	0,0239
19259	19258	ELECTRA 3	60 LEDs	MD	V	390	137,8	24680	20565	•		6,60	0,0239
19357	19356	ELECTRA 3	64 LEDs	MD	V	330	124,2	23290	19406	•	•	6,60	0,0239
19365	19364	ELECTRA 3	64 LEDs	MD	V	350	132,2	24440	20365	•		6,60	0,0239
19371	19370	ELECTRA 3	64 LEDs	MD	V	365	138,1	25300	21083	•		6,60	0,0239
19377	19376	ELECTRA 3	64 LEDs	MD	V	380	144,0	26170	21802	•		6,60	0,0239
19383	19382	ELECTRA 3	64 LEDs	MD	V	395	150,0	27030	22521	•		6,60	0,0239
19389	19388	ELECTRA 3	64 LEDs	MD	V	410	155,7	27920	23263	•		6,60	0,0239
19395	19394	ELECTRA 3	64 LEDs	MD	V	425	161,5	28820	24015	•		6,60	0,0239
19401	19400	ELECTRA 3	64 LEDs	MD	V	440	167,2	29730	24768	•		6,60	0,0239
19405	19404	ELECTRA 3	64 LEDs	MD	V	450	171,1	30320	25265	•		6,60	0,0239

19607	19606	ELECTRA 3	60 LEDs	MD	S	345	121,0	21580	17976	•	•	6,60	0,0239
19613	19612	ELECTRA 3	60 LEDs	MD	S	360	126,4	22360	18628	•		6,60	0,0239
19619	19618	ELECTRA 3	60 LEDs	MD	S	375	131,9	23140	19277	•		6,60	0,0239
19625	19624	ELECTRA 3	60 LEDs	MD	S	390	137,8	23940	19948	•		6,60	0,0239
19723	19722	ELECTRA 3	64 LEDs	MD	S	330	124,2	22590	18824	•	•	6,60	0,0239
19731	19730	ELECTRA 3	64 LEDs	MD	S	350	132,2	23710	19755	•		6,60	0,0239
19737	19736	ELECTRA 3	64 LEDs	MD	S	365	138,1	24550	20451	•		6,60	0,0239
19743	19742	ELECTRA 3	64 LEDs	MD	S	380	144,0	25380	21149	•		6,60	0,0239
19749	19748	ELECTRA 3	64 LEDs	MD	S	395	150,0	26220	21846	•		6,60	0,0239
19755	19754	ELECTRA 3	64 LEDs	MD	S	410	155,7	27080	22565	•		6,60	0,0239
19761	19760	ELECTRA 3	64 LEDs	MD	S	425	161,5	27960	23295	•		6,60	0,0239
19767	19766	ELECTRA 3	64 LEDs	MD	S	440	167,2	28830	24025	•		6,60	0,0239
19771	19770	ELECTRA 3	64 LEDs	MD	S	450	171,1	29410	24507	•		6,60	0,0239

19973	19972	ELECTRA 3	60 LEDs	MD	W2	345	121,0	22020	18346	•	•	6,60	0,0239
19979	19978	ELECTRA 3	60 LEDs	MD	W2	360	126,4	22820	19011	•		6,60	0,0239
19985	19984	ELECTRA 3	60 LEDs	MD	W2	375	131,9	23610	19675	•		6,60	0,0239
19991	19990	ELECTRA 3	60 LEDs	MD	W2	390	137,8	24440	20360	•		6,60	0,0239
20089	20088	ELECTRA 3	64 LEDs	MD	W2	330	124,2	23060	19212	•	•	6,60	0,0239
20097	20096	ELECTRA 3	64 LEDs	MD	W2	350	132,2	24200	20162	•		6,60	0,0239
20103	20102	ELECTRA 3	64 LEDs	MD	W2	365	138,1	25050	20872	•		6,60	0,0239
20109	20108	ELECTRA 3	64 LEDs	MD	W2	380	144,0	25910	21585	•		6,60	0,0239
20115	20114	ELECTRA 3	64 LEDs	MD	W2	395	150,0	26760	22296	•		6,60	0,0239
20121	20120	ELECTRA 3	64 LEDs	MD	W2	410	155,7	27640	23030	•		6,60	0,0239
20127	20126	ELECTRA 3	64 LEDs	MD	W2	425	161,5	28530	23775	•		6,60	0,0239
20133	20132	ELECTRA 3	64 LEDs	MD	W2	440	167,2	29430	24520	•		6,60	0,0239
20137	20136	ELECTRA 3	64 LEDs	MD	W2	450	171,1	30020	25013	•		6,60	0,0239

20339	20338	ELECTRA 3	60 LEDs	MD	T4	345	121,0	21350	17791	•	•	6,60	0,0239
20345	20344	ELECTRA 3	60 LEDs	MD	T4	360	126,4	22130	18435	•		6,60	0,0239
20351	20350	ELECTRA 3	60 LEDs	MD	T4	375	131,9	22900	19079	•		6,60	0,0239
20357	20356	ELECTRA 3	60 LEDs	MD	T4	390	137,8	23700	19742	•		6,60	0,0239
20455	20454	ELECTRA 3	64 LEDs	MD	T4	330	124,2	22360	18630	•	•	6,60	0,0239
20463	20462	ELECTRA 3	64 LEDs	MD	T4	350	132,2	23470	19551	•		6,60	0,0239
20469	20468	ELECTRA 3	64 LEDs	MD	T4	365	138,1	24290	20240	•		6,60	0,0239
20475	20474	ELECTRA 3	64 LEDs	MD	T4	380	144,0	25120	20931	•		6,60	0,0239
20481	20480	ELECTRA 3	64 LEDs	MD	T4	395	150,0	25950	21620	•		6,60	0,0239
20487	20486	ELECTRA 3	64 LEDs	MD	T4	410	155,7	26800	22333	•		6,60	0,0239
20493	20492	ELECTRA 3	64 LEDs	MD	T4	425	161,5	27670	23055	•		6,60	0,0239
20499	20498	ELECTRA 3	64 LEDs	MD	T4	440	167,2	28540	23778	•		6,60	0,0239
20503	20502	ELECTRA 3	64 LEDs	MD	T4	450	171,1	29110	24254	•		6,60	0,0239

## ELECTRA 3 – PRODUCT CODES

3000K - CRI > 70



Code	Code	Model	Number of LEDs	LED Type	Optics	LED chip current (mA)	W (LED+DRIVER)	Nominal LED Flux (Lumen)	Applicable output flow (Lumen)	Ambient temperature		Gross weight (kg)	Vol. (m3)
										This 35°	Ta 55°		
<b>CL I</b>	<b>CL II</b>												
20705	20704	ELECTRA 3	60 LEDs	MD	M2	345	121.0	21800	18161	•	•	6.60	0,0239
20711	20710	ELECTRA 3	60 LEDs	MD	M2	360	126.4	22590	18819	•		6.60	0,0239
20717	20716	ELECTRA 3	60 LEDs	MD	M2	375	131.9	23380	19476	•		6.60	0,0239
20723	20722	ELECTRA 3	60 LEDs	MD	M2	390	137.8	24190	20154	•		6.60	0,0239
20821	20820	ELECTRA 3	64 LEDs	MD	M2	330	124.2	22830	19019	•	•	6.60	0,0239
20829	20828	ELECTRA 3	64 LEDs	MD	M2	350	132.2	23950	19958	•		6.60	0,0239
20835	20834	ELECTRA 3	64 LEDs	MD	M2	365	138.1	24800	20662	•		6.60	0,0239
20841	20840	ELECTRA 3	64 LEDs	MD	M2	380	144.0	25650	21367	•		6.60	0,0239
20847	20846	ELECTRA 3	64 LEDs	MD	M2	395	150.0	26490	22071	•		6.60	0,0239
20853	20852	ELECTRA 3	64 LEDs	MD	M2	410	155.7	27360	22798	•		6.60	0,0239
20859	20858	ELECTRA 3	64 LEDs	MD	M2	425	161.5	28250	23535	•		6.60	0,0239
20865	20864	ELECTRA 3	64 LEDs	MD	M2	440	167.2	29130	24273	•		6.60	0,0239
20869	20868	ELECTRA 3	64 LEDs	MD	M2	450	171.1	29720	24760	•		6.60	0,0239

21071	21070	ELECTRA 3	60 LEDs	MD	ST1	345	121.0	21580	17976	•	•	6.60	0,0239
21077	21076	ELECTRA 3	60 LEDs	MD	ST1	360	126.4	22360	18628	•		6.60	0,0239
21083	21082	ELECTRA 3	60 LEDs	MD	ST1	375	131.9	23140	19277	•		6.60	0,0239
21089	21088	ELECTRA 3	60 LEDs	MD	ST1	390	137.8	23940	19948	•		6.60	0,0239
21187	21186	ELECTRA 3	64 LEDs	MD	ST1	330	124.2	22590	18824	•	•	6.60	0,0239
21195	21194	ELECTRA 3	64 LEDs	MD	ST1	350	132.2	23710	19755	•		6.60	0,0239
21201	21200	ELECTRA 3	64 LEDs	MD	ST1	365	138.1	24550	20451	•		6.60	0,0239
21207	21206	ELECTRA 3	64 LEDs	MD	ST1	380	144.0	25380	21149	•		6.60	0,0239
21213	21212	ELECTRA 3	64 LEDs	MD	ST1	395	150.0	26220	21846	•		6.60	0,0239
21219	21218	ELECTRA 3	64 LEDs	MD	ST1	410	155.7	27080	22565	•		6.60	0,0239
21225	21224	ELECTRA 3	64 LEDs	MD	ST1	425	161.5	27960	23295	•		6.60	0,0239
21231	21230	ELECTRA 3	64 LEDs	MD	ST1	440	167.2	28830	24025	•		6.60	0,0239
21235	21234	ELECTRA 3	64 LEDs	MD	ST1	450	171.1	29410	24507	•		6.60	0,0239

Flow tolerance: +/- 10%.

Power (in watts): +/- 5%.

The flux shown in the table may vary and improve depending on the continuous technical development of the light efficiency of LEDs.