

VLX-1 LED Specifications

Area - Site - Commercial - Outdoor



Arm Mount (AM) Version Shown.

The VLX LED Series offers clean, functional styling that is defined by its sleek low profile design and rugged construction. It combines LED performance and advanced LED thermal management technology and provides outdoor lighting that is both energy efficient and aesthetically pleasing.

The LED's performance and the driver's life are maximized by enclosing them in two separate die cast aluminum housings. Easy tool-less access for mounting and maintenance.

The LED light assemblies come with 96 to 192 LEDs. Available with 17 IES distribution patterns.

- CRI values are 70, 80 or 90.
- CCT values are 2700K, 3000K, 3500K, 4000K, 5000K

The VLX Series offers an impressive output of up to 87,000 lumens with a wattage package reaching up to 629 watts, delivering an average efficiency of 143 lumens per watt. With integrated controls, the VLX ensures optimal lighting coverage while minimizing energy consumption.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The VLX LED series is an exceptional choice for commercial parking lots, office complexes, architectural projects, and other general lighting projects.

Project Name:

Catalog Number:

Type:

Date:

Location:

MODEL	OPTICS		LEDs	CURRENT	CCT
VLX-1	T1 Type 1 T2 Type 2 T3 Type 3 T3R Type 3 Round T3W Type 3 Wide T3LG Type 3 Low Glare T4 Type 4 T4A Type 4 Automotive T4FT Type 4 Forward Throw T4LG Type 4 Low Glare	T5 Type 5 T5W Type 5 Wide T5WW Type 5 Extra Wide T5LG Type 5 Low Glare FN Flood Narrow FM Flood Medium FW Flood Wide	96LD 128LD 160LD 192LD	3 350mA 5 530mA 7 700mA 10 1050mA *Not available with Z10, Z18, VWC, DTO 7PINPER	27K7 27K8 27K9 2700K 70, 80, & 90 CRI 30K7 30K8 30K9 3000K 70, 80, & 90 CRI 35K7 35K8 35K9 3500K 70, 80, & 90 CRI 40K7 40K8 40K9 4000K 70, 80, & 90 CRI 50K7 50K8 50K9 5000K 70, 80, & 90 CRI

VOLTAGE	MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
UNV 120-277V 8 347V 5 480V	AM Arm Mount Round Pole Plate Adaptors (RPP) are to be ordered separately. WM Wall Mount * Requires BAWP BAWP to be ordered separately.	BZ Bronze BK Black GY Grey SBK Smooth Black WH White SWH Smooth White GP Graphite GY Grey SL Silver Metallic ZFP Zinc-Free Primer Coat CC Custom Color	PCR-120 PCR-208 PCR-240 PCR-277 PCR-347 PCR-480 Photocell & Receptacle 7PINPER 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver DIM 0-10v Dimming Driver DTO Dim to Off Driver WSP6-L2 WSP6-L3 WSP6-L7 8' Mounting Height 9-20' Mounting Height 21-40' Mounting Height WSC-8 WSC-20 WSC-40 8' Mounting Height 9-20' Mounting Height 21-40' Mounting Height *The WSC option will require (1) FSIR 100 remote for programming Z10 or Z18 Zhaga 4 Pin Receptacle VWC Visionaire Wireless Control	CLS Backside cutoff shield RCLS Rightside cutoff shield LCLS Leftside cutoff shield BHS House shield	RPP-3" RPP-4" RPP-5" Round Pole Plate Adapter UPMA-S Universal Square Pole Mount Adapter UPMA-R Universal Round Pole Mount Adapter BAWP Cast Wall Plate ROT-R Rotated Optics Right Side ROT-L Rotated Optics Left Side BBG Bird Spikes BAA Buy America(n) Act Compliant

Heatsink

Die-cast aluminum heatsink with integral cooling fins provides superior thermal management and long-term performance.

Mounting Arm / Driver Compartment

Durable two-piece die-cast aluminum driver compartment features a tool-less, push-button latch for fast and easy maintenance.

- Sealed with a one-piece silicone gasket for maximum protection against the elements.
- Meets ANSI C136.31-2010, 1.5G Vibration Standards.

Thermal Management

The VLX Series delivers exceptional thermal performance by mounting the LED arrays directly to the substantial cast-aluminum heatsink, allowing operation in higher ambient temperatures and at elevated drive currents without compromising LED life.

- L70 Lifetime: The VLX Series LEDs are rated at 90,000+ hours at 25°C when driven at 350 mA, based on industry-standard L70 testing (70% of initial lumen output).

Optical System

High-output LEDs ensure maximum delivered lumens and system efficiency.

- Available with 17 precision IES distribution patterns.
- LED engines available in multiples of 32 LEDs.
- CRI Options: 70, 80, or 90.
- CCT Options: 2700K, 3000K, 3500K, 4000K, 5000K.

Quali-Guard® Finish

Textured, chemically pre-treated surface using a multi-stage wash process. Electrostatic application of a thermoset polyester powder-coat, 3–5 mils minimum thickness, oven-baked at 400°F for superior adhesion and durability.

- Available in all standard and custom colors.
- Optional Zinc-Free Primer: Recommended for installations within three miles of the ocean.
- Finish guaranteed for five (5) years.

Electrical Assembly

The VLX Series is supplied with a choice of 350, 530, 700, or 1050mA high-performance LED drivers, that accept 120v thru 480v, 50 Hz to 60 Hz, input.

- Rated for -40 °C to +55 °C operations.
- Power factor of 90%.
- THD less than or equal to 20%
- 10 kV surge protector supplied as standard.
- 0-10v Dimming Driver supplied as standard.
- Terminal block supplied as standard.

Warranty

Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit visionairelighting.com.

Options

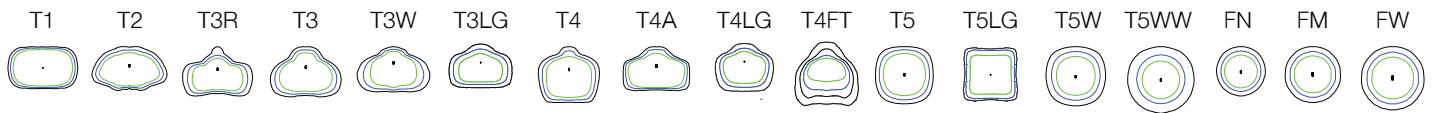
- Wattstopper Plus
- Wattstopper FSP-211 Motion Sensor/Control
- Photocell & Receptacle (PCR)
- Photo Receptacle (PER) (5/7PINPER)
- 0-10V Dimming Driver
- Wireless Controls
- Dim To Off Driver
- Back House Shield
- Cut-Off Louver Shield
- Round pole plate adaptor
- Rotated Optics
- Zhaga 4 Pin Receptacle
- Bird Spikes
- BAA

Listings

- The VLX Series is cUL Listed
- IP65 Rated
- Powder Coated Tough.
- IDA Certification



3000K or lower must be selected with a fixed mount for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

Photometric Optical Summary**EPA Data**

1.0



1.6



2.0



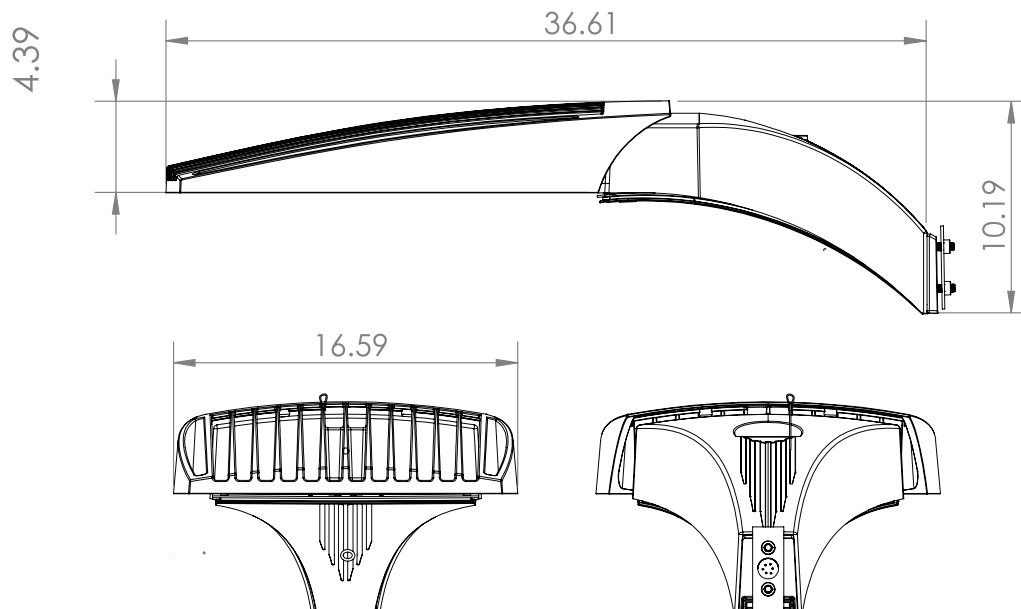
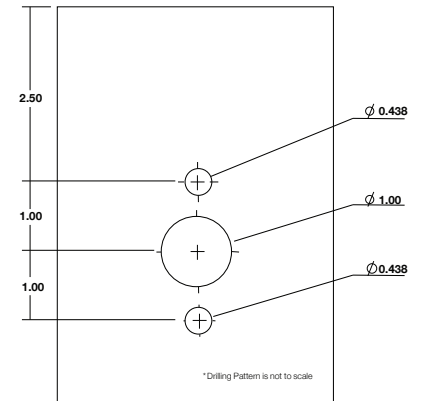
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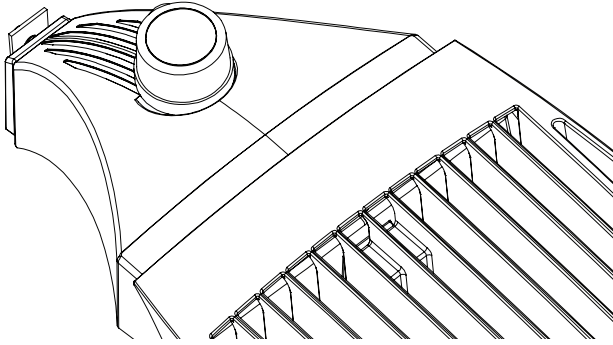


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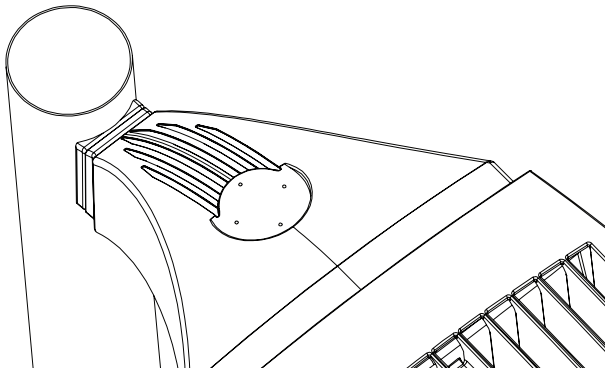
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Dimensions**Width:** VLX-1 16.5"**Depth:** VLX-1 36.6"**Height:** VLX-1 4.39"**Overall Height:** VLX-1 10.19"**Weight:** 58 LBS



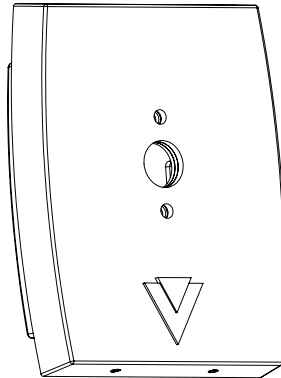
Twist lock Photocell & Receptacle

Dusk to dawn sensor.



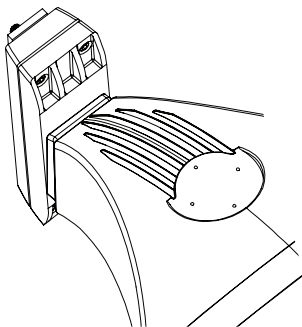
Round Pole Plate Adapter

Round Pole Plate Adapter to be used with round pole.



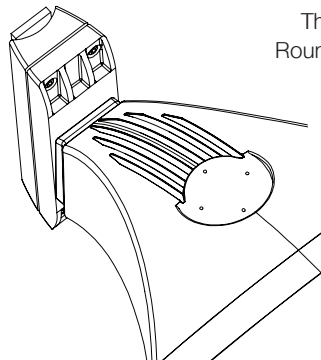
Bolt-On Arm Wall Plate

Arm mount wall plate is needed to wall mount the VLX.



UPMA

The Universal Pole Mount Adapter is ideal for retrofit applications with existing square poles. This adapter is slotted to fit any existing drilling pattern, up to 6 1/2" bolt to bolt maximum.

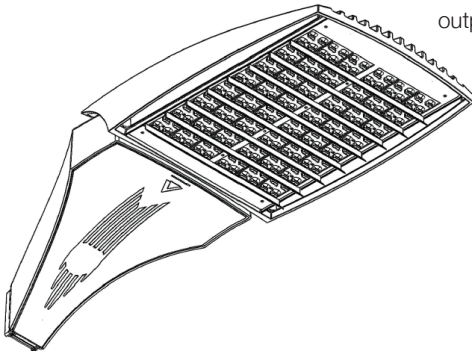


UPMA-R

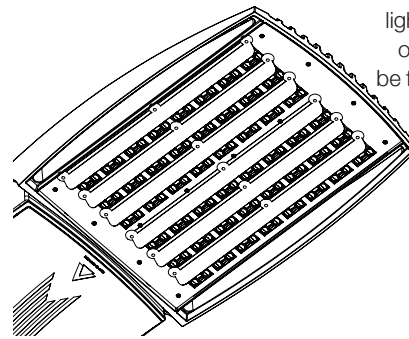
The Universal Pole Mount Adapter Round is ideal for retrofit applications with existing round poles. This adapter is slotted to fit any existing drilling pattern, up to 6 1/2" bolt to bolt maximum.

CLS

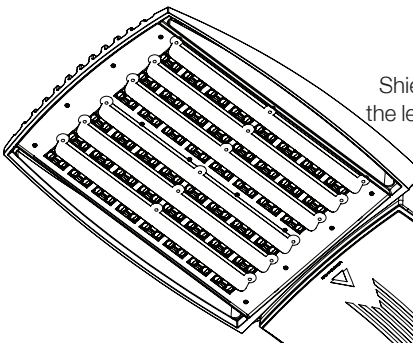
The back side cutoff louver shield will reduce light output behind the fixture, all of the light will be focused in front of the VLX.

**RCLS**

The Right Side Cutoff Louver Shield will reduce light output on the right side of the fixture, all of the light will be focused on the left side of the VLX.

**LCLS**

The Left Side Cutoff Louver Shield will reduce light output on the left side of the fixture, all of the light will be focused on the right side of the VLX.

**Zhaga Socket**

Zhaga sockets and controllers use 4-pin contacts that carry different functions, such as voltage, dimming, and auxiliary power.

VLX-1 - ELECTRICAL LOAD (A)							
Ordering Nomenclature	System Watts	120	208	240	277	347	480
VLX-1-T5-96LD-3	99	0.82	0.47	0.41	0.36	0.28	0.21
VLX-1-T5-96LD-5	152	1.27	0.73	0.63	0.55	0.44	0.32
VLX-1-T5-96LD-7	204	1.70	0.98	0.85	0.74	0.59	0.42
VLX-1-T5-96LD-10	314	2.62	1.51	1.31	1.14	0.91	0.66
VLX-1-T5-128LD-3	132	1.10	0.63	0.55	0.47	0.38	0.27
VLX-1-T5-128LD-5	203	1.69	0.98	0.85	0.73	0.58	0.42
VLX-1-T5-128LD-7	272	2.27	1.31	1.13	0.98	0.78	0.57
VLX-1-T5-128LD-10	419	3.49	2.02	1.75	1.51	1.21	0.87
VLX-1-T5-160LD-3	164	1.37	0.79	0.68	0.59	0.47	0.34
VLX-1-T5-160LD-5	254	2.11	1.22	1.06	0.92	0.73	0.53
VLX-1-T5-160LD-7	340	2.83	1.63	1.42	1.23	0.98	0.71
VLX-1-T5-160LD-10	524	4.37	2.52	2.18	1.89	1.51	1.09
VLX-1-T5-192LD-3	197	1.64	0.95	0.82	0.71	0.57	0.41
VLX-1-T5-192LD-5	304	2.53	1.46	1.27	1.10	0.88	0.63
VLX-1-T5-192LD-7	408	3.40	1.96	1.70	1.47	1.17	0.85
VLX-1-T5-192LD-10	629	5.24	3.02	2.62	2.27	1.81	1.31

WATTSTOPPER PLUS

FSP-600 Series

The FSP-600 series by Wattstopper PLUS is an integrated luminaire level lighting controller and sensor for indoor/outdoor lighting applications that require networked wireless control. The FSP-600 is designed to integrate directly into exterior, high bay, parking garage, and general site lighting solutions. It is a passive infrared (PIR) sensor and closed loop photosensor.

The FSP-600 series design intends to reduce installer labor time and make on-site start up easy for technicians.

Once commissioned and paired to a Wattstopper PLUS network, the devices can measure both motion and daylight contribution in order to automatically switch or dim lighting. It also provides the ability to communicate to other fixtures in the space without any front-end devices.

The Wattstopper PLUS FSP-600 series is available in a few different options including: internal, external straight nipple, and external drop nipple. Sensor lens options sold separately and should be ordered based on designed mounting height and desired finish.

FSP-621



FSP-200 Series

The FSP-200 series sensors provide multi-level control based on motion and/or daylight contribution. They control 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an FSP-Lx Lens, are rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles. The FSP-200 series is available in two different voltage configurations adding flexibility to your fixture design or project.

Typically, the sensor ramps lighting On to the selected High mode level when motion is detected and the ambient light level is below the hold off setpoint. After the sensor stops detecting movement and the time delay elapses, lights fade to the Low mode level. If there is no motion during the subsequent cut off time delay, the lights will turn Off. For dusk to dawn control, the integral photocell can switch the lights On and Off based on the ambient light level so that lighting remains on overnight even without motion detection.

Initial setup and subsequent sensor adjustments are made using a Wireless Handheld Configuration Tool (FSIR-100). This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cut off and more. The FSIR-100 is also used to initiate automatic calibration of the FSP-2x1B ambient light level setpoint. The setpoint is used to hold the controlled lighting off or at a low level when there is sufficient daylight. The wireless tool stores up to six sensor parameter profiles to speed configuration of multiple sensors.

FSP-211



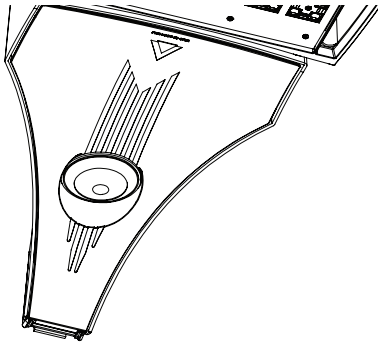
FSP-221



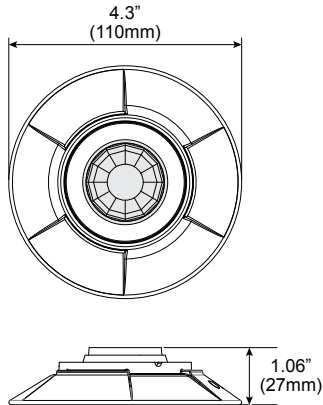
Lens with Shroud Dimensions

The FSP-Lx-S models include a shroud, which blocks high-angle light coming from the fixture, to improve photocell performance. With the shroud attached, the dimensions for all three lenses are identical

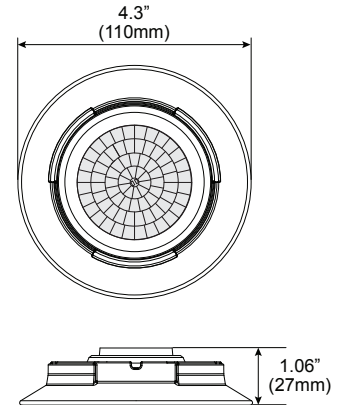
VLX Lens Placement



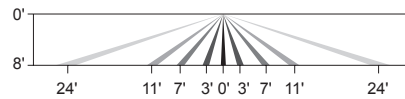
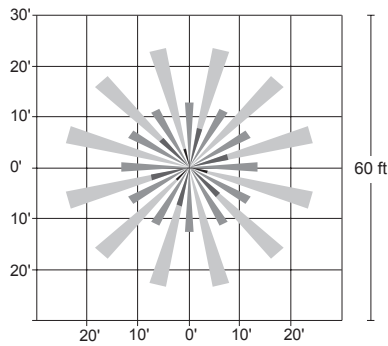
FSP-L2-S and FSP-L3-S



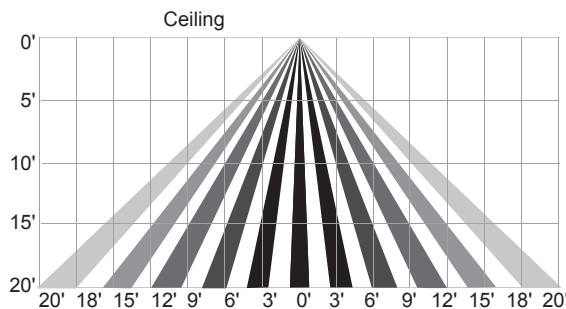
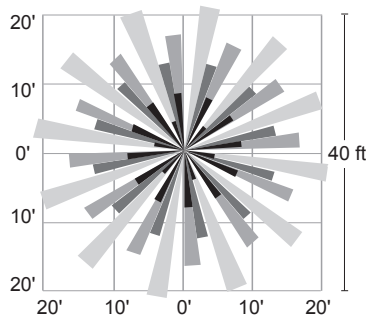
FSP-L7-S



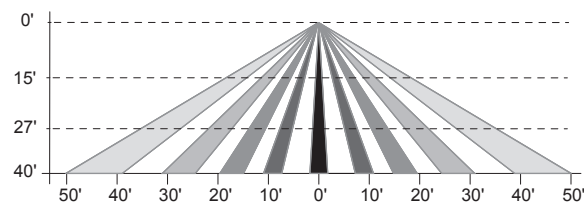
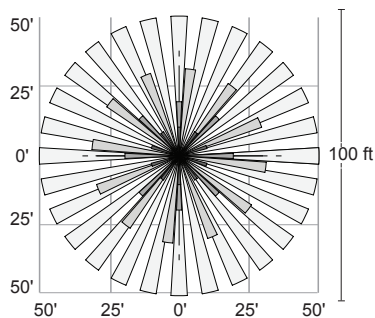
COVERAGE



FSP-L2 top and side coverage patterns



FSP-L3 top and side coverage patterns



FSP-L7 top and side coverage patterns

VLX-1 LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type																									
			27K					30K					70CRI					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
96LD	350 mA (98.6W)	T1	15708	4	0	4	159	16391	4	0	4	166	16391	4	0	4	166	16220	4	0	4	165	17074	4	0	4	173
		T2	15261	3	0	3	155	15924	3	0	3	162	15924	3	0	3	162	15759	3	0	3	160	16588	3	0	3	168
		T3R	15488	3	0	3	157	16162	3	0	3	164	16162	3	0	3	164	15993	3	0	3	162	16835	3	0	4	171
		T3	15321	3	0	3	155	15987	3	0	3	162	15987	3	0	3	162	15820	3	0	3	160	16653	3	0	3	169
		T3W	15613	2	0	3	158	16292	2	0	3	165	16292	2	0	3	165	16122	2	0	3	164	16971	3	0	3	172
		T3LG	15662	3	0	2	159	16343	3	0	2	166	16343	3	0	2	166	16173	3	0	2	164	17024	3	0	2	173
		T4	15408	3	0	3	156	16078	3	0	3	163	16078	3	0	3	163	15910	3	0	3	161	16748	3	0	3	170
		T4A	16228	3	0	2	165	16933	3	0	2	172	16933	3	0	2	172	16757	3	0	2	170	17639	3	0	2	179
		T4LG	15616	2	0	2	158	16295	2	0	2	165	16295	2	0	2	165	16125	2	0	2	164	16974	2	0	2	172
		T4FT	15862	3	0	3	161	16552	3	0	3	168	16552	3	0	3	168	16380	3	0	3	166	17242	3	0	3	175
		T5	16185	4	0	2	164	16888	4	0	2	171	16888	4	0	2	171	16713	4	0	2	169	17592	4	0	2	178
		T5LG	15770	3	0	2	160	16456	3	0	2	167	16456	3	0	2	167	16284	3	0	2	165	17141	3	0	2	174
		T5W	15633	4	0	2	159	16313	4	0	2	165	16313	4	0	2	165	16143	4	0	2	164	16993	4	0	2	172
		T5WW	14840	4	0	2	151	15485	4	0	2	157	15485	4	0	2	157	15324	4	0	2	155	16130	4	0	2	164
		FN	15993	5	0	1	162	16688	5	0	1	169	16688	5	0	1	169	16514	5	0	1	167	17383	5	0	1	176
		FM	16301	5	0	1	165	17010	5	0	1	173	17010	5	0	1	173	16832	5	0	1	171	17718	5	0	1	180
FW	16245	4	0	1	165	16952	4	0	1	172	16952	4	0	1	172	16775	4	0	1	170	17658	4	0	1	179		
96LD	530 mA (152.1W)	T1	23229	4	0	4	153	24239	4	0	4	159	24239	4	0	4	159	23986	4	0	4	158	25249	4	0	4	166
		T2	22568	3	0	4	148	23549	3	0	4	155	23549	3	0	4	155	23303	3	0	4	153	24530	3	0	4	161
		T3R	22904	3	0	4	151	23899	3	0	4	157	23899	3	0	4	157	23651	3	0	4	156	24895	3	0	5	164
		T3	22656	3	0	3	149	23641	3	0	3	155	23641	3	0	3	155	23394	3	0	3	154	24626	3	0	3	162
		T3W	23088	3	0	3	152	24092	3	0	4	158	24092	3	0	4	158	23841	3	0	4	157	25096	3	0	4	165
		T3LG	23161	3	0	3	152	24168	3	0	3	159	24168	3	0	3	159	23916	3	0	3	157	25175	3	0	3	166
		T4	22785	3	0	3	150	23775	3	0	3	156	23775	3	0	3	156	23528	3	0	3	155	24766	3	0	4	163
		T4A	23997	3	0	3	158	25041	3	0	3	165	25041	3	0	3	165	24780	3	0	3	163	26084	3	0	3	172
		T4LG	23092	3	0	2	152	24096	3	0	3	158	24096	3	0	3	158	23845	3	0	3	157	25100	3	0	3	165
		T4FT	23457	3	0	4	154	24477	3	0	4	161	24477	3	0	4	161	24222	3	0	4	159	25497	3	0	4	168
		T5	23934	4	0	2	157	24974	4	0	2	164	24974	4	0	2	164	24714	4	0	2	163	26015	4	0	3	171
		T5LG	23320	4	0	2	153	24334	4	0	2	160	24334	4	0	2	160	24081	4	0	2	158	25348	4	0	2	167
		T5W	23118	5	0	3	152	24123	5	0	3	159	24123	5	0	3	159	23872	5	0	3	157	25129	5	0	3	165
		T5WW	21945	5	0	3	144	22899	5	0	3	151	22899	5	0	3	151	22661	5	0	3	149	23853	5	0	3	157
		FN	23650	5	0	1	156	24678	5	0	2	162	24678	5	0	2	162	24421	5	0	1	161	25706	5	0	2	169
		FM	24105	5	0	1	159	25153	5	0	1	165	25153	5	0	1	165	24891	5	0	1	164	26202	5	0	1	172
FW	24023	4	0	2	158	25068	4	0	2	165	25068	4	0	2	165	24807	4	0	2	163	26112	5	0	2	172		
96LD	700 mA (203.8W)	T1	29560	4	0	4	145	30845	4	0	4	151	30845	4	0	4	151	30524	4	0	4	150	32130	5	0	5	158
		T2	28718	4	0	5	141	29967	4	0	5	147	29967	4	0	5	147	29654	4	0	5	145	31215	4	0	5	153
		T3R	29146	4	0	5	143	30413	4	0	5	149	30413	4	0	5	149	30096	4	0	5	148	31680	4	0	5	155
		T3	28830	3	0	4	141	30084	3	0	4	148	30084	3	0	4	148	29770	3	0	4	146	31337	3	0	4	154
		T3W	29381	3	0	4	144	30658	3	0	4	150	30658	3	0	4	150	30339	3	0	4	149	31936	3	0	4	157
		T3LG	29473	3	0	3	145	30754	3	0	3	151	30754	3	0	3	151	30434	3	0	3	149	32036	3	0	3	157
		T4	28994	4	0	4	142	30255	4	0	4	148	30255	4	0	4	148	29940	4	0	4	147	31516	4	0	4	155
		T4A	30538	3	0	3	150	31865	3	0	3	156	31865	3	0	3	156	31533	3	0	3	155	33193	3	0	3	163
		T4LG	29386	3	0	3	144	30663	3	0	3	150	30663	3	0	3	150	30344	3	0	3	149	31941	3	0	3	157
		T4FT	29850	3	0	5	146	31147	3	0	5	153	31147	3	0	5	153	30823	3	0	5	151	32445	3	0	5	159
		T5	30456	5	0	3	149	31781	5	0	3	156	31781	5	0	3	156	31450	5	0	3	154	33105	5	0	3	162
		T5LG	29676	4	0	2	146	30966	4	0	2	152	30966	4	0	2	152	30643	4	0	2	150	32256	4	0	3	158
		T5W	29419	5	0	3	144	30698	5	0	3	151	30698	5	0	3	151	30378	5	0	3	149	31977	5	0	4	157
		T5WW	27926	5	0	3	137	29140	5	0	3	143	29140	5	0	3	143	28836	5	0	3	141	30354	5	0	4	149
		FN	30095	5	0	2	148	31404	5	0	2	154	31404	5	0	2	154	31076	5	0	2	152	32712	5	0	2	160
		FM	30675	5	0	1	150	32009	5	0	2	157	32009	5	0	2	157	31675	5	0	2	155	33342	5	0	2	164
FW	30571	5	0	2	150	31900	5	0	2	156	31900	5	0	2	156	31588	5	0	2	155	33229	5	0	2	163		
96LD	1050 mA (314.4W)	T1	39835	5	0	5	127	41567	5	0	5	132	41567	5	0	5	132	41134	5	0	5	131	43299	5	0	5	138
		T2	38701	4	0	5	123	40383	4	0	5	128	40383	4	0	5	128	39963	4	0	5	127	42066	4	0	5	134
		T3R	39277	4	0	5	125	40985	4	0	5	130	40985	4	0	5	130	40558	4	0	5	129	42692	4	0	5	136
		T3	38852	4	0	4	124	40541	4	0	4	129	40541	4	0	4	129	40119	4	0	4	128	42230	4	0	4	134
		T3W	39594	3	0	5	126	41315	4	0	5	131	41315	4	0	5	131	40885	3	0	5	130	43037	4	0	5	137
		T3LG	39718	4	0	3	126	41444	4	0	3	132	41444	4	0	3	132	41013	4	0	3	130	43171	4	0	3	137
		T4	39073	4	0	4	124	40772	4	0	5	130	40772	4	0	5	130	40347	4	0	5	128	42470	4	0	5	135
		T4A	41153	4	0	3	131	42942	4	0	3	137	42942	4	0	3	137	42495	4	0	3	135	44731	4	0		

VLX-1 LED SPECIFICATIONS / Forward Optics																																
Led Count	Current & Watts	Distribution Type																														
			27K					30K					70CRI					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW					
128LD	350 mA (131.5W)	T1	20691	4	0	4	157	21590	4	0	4	164	21590	4	0	4	164	21365	4	0	4	162	22490	4	0	4	171					
		T2	20101	3	0	4	153	20975	3	0	4	160	20975	3	0	4	160	20757	3	0	4	158	21849	3	0	4	166					
		T3R	20401	3	0	4	155	21288	3	0	4	162	21288	3	0	4	162	21066	3	0	4	160	22175	3	0	4	169					
		T3	20180	3	0	3	153	21057	3	0	3	160	21057	3	0	3	160	20838	3	0	3	158	21935	3	0	3	167					
		T3W	20565	3	0	3	156	21459	3	0	3	163	21459	3	0	3	163	21236	3	0	3	161	22354	3	0	3	170					
		T3LG	20630	3	0	3	157	21527	3	0	3	164	21527	3	0	3	164	21302	3	0	3	162	22424	3	0	3	171					
		T4	20295	3	0	3	154	21177	3	0	3	161	21177	3	0	3	161	20957	3	0	3	159	22060	3	0	3	168					
		T4A	21375	3	0	3	163	22304	3	0	3	170	22304	3	0	3	170	22072	3	0	3	168	23234	3	0	3	177					
		T4LG	20569	3	0	2	156	21463	3	0	2	163	21463	3	0	2	163	21239	3	0	2	162	22357	3	0	3	170					
		T4FT	20893	3	0	4	159	21802	3	0	4	166	21802	3	0	4	166	21575	3	0	4	164	22710	3	0	4	173					
		T5	21318	4	0	2	162	22245	4	0	2	169	22245	4	0	2	169	22013	4	0	2	167	23172	4	0	2	176					
		T5LG	20772	3	0	2	158	21675	4	0	2	165	21675	4	0	2	165	21449	4	0	2	163	22578	4	0	2	172					
		T5W	20592	4	0	3	157	21487	5	0	3	163	21487	5	0	3	163	21263	5	0	3	162	22383	5	0	3	170					
		T5WW	19547	4	0	2	149	20397	5	0	3	155	20397	5	0	3	155	20184	5	0	3	153	21247	5	0	3	162					
		FN	21065	5	0	1	160	21981	5	0	1	167	21981	5	0	1	167	21752	5	0	1	165	22897	5	0	1	174					
		FM	21471	5	0	1	163	22405	5	0	1	170	22405	5	0	1	170	22171	5	0	1	169	23338	5	0	1	177					
FW	21398	4	0	1	163	22329	4	0	2	170	22329	4	0	2	170	22096	4	0	2	168	23259	4	0	2	177							
128LD	530 mA (202.8W)	T1	30589	4	0	4	151	31919	5	0	5	157	31919	5	0	5	157	31586	5	0	5	156	33248	5	0	5	164					
		T2	29718	4	0	5	147	31010	4	0	5	153	31010	4	0	5	153	30687	4	0	5	151	32302	4	0	5	159					
		T3R	30160	4	0	5	149	31472	4	0	5	155	31472	4	0	5	155	31144	4	0	5	154	32783	4	0	5	162					
		T3	29834	3	0	4	147	31131	3	0	4	154	31131	3	0	4	154	30807	3	0	4	152	32428	3	0	4	160					
		T3W	30403	3	0	4	150	31725	3	0	4	156	31725	3	0	4	156	31395	3	0	4	155	33047	3	0	4	163					
		T3LG	30499	3	0	3	150	31825	3	0	3	157	31825	3	0	3	157	31493	3	0	3	155	33151	3	0	3	163					
		T4	30004	4	0	4	148	31308	4	0	4	154	31308	4	0	4	154	30982	4	0	4	153	32613	4	0	4	161					
		T4A	31601	3	0	3	156	32974	3	0	3	163	32974	3	0	3	163	32631	3	0	3	161	34348	3	0	3	169					
		T4LG	30409	3	0	3	150	31731	3	0	3	156	31731	3	0	3	156	31400	3	0	3	155	33053	3	0	3	163					
		T4FT	30889	3	0	5	152	32232	3	0	5	159	32232	3	0	5	159	31896	3	0	5	157	33575	3	0	5	166					
		T5	31517	5	0	3	155	32887	5	0	3	162	32887	5	0	3	162	32544	5	0	3	161	34257	5	0	3	169					
		T5LG	30709	4	0	2	151	32044	4	0	2	158	32044	4	0	2	158	31710	4	0	2	156	33379	4	0	3	165					
		T5W	30443	5	0	3	150	31767	5	0	4	157	31767	5	0	4	157	31436	5	0	4	155	33090	5	0	4	163					
		T5WW	28898	5	0	3	143	30154	5	0	4	149	30154	5	0	4	149	29840	5	0	4	147	31411	5	0	4	155					
		FN	31143	5	0	2	154	32497	5	0	2	160	32497	5	0	2	160	32158	5	0	2	159	33851	5	0	2	167					
		FM	31743	5	0	2	157	33123	5	0	2	163	33123	5	0	2	163	32778	5	0	2	162	34503	5	0	2	170					
FW	31635	5	0	2	156	33010	5	0	2	163	33010	5	0	2	163	32666	5	0	2	161	34386	5	0	2	170							
128LD	700 mA (271.8W)	T1	38925	5	0	5	143	40618	5	0	5	149	40618	5	0	5	149	40194	5	0	5	148	42310	5	0	5	156					
		T2	37817	4	0	5	139	39461	4	0	5	145	39461	4	0	5	145	39050	4	0	5	144	41105	4	0	5	151					
		T3R	38380	4	0	5	141	40049	4	0	5	147	40049	4	0	5	147	39632	4	0	5	146	41717	4	0	5	153					
		T3	37965	3	0	4	140	39615	4	0	4	146	39615	4	0	4	146	39202	4	0	4	144	41266	4	0	4	152					
		T3W	38690	3	0	5	142	40372	3	0	5	149	40372	3	0	5	149	39951	3	0	5	147	42054	3	0	5	155					
		T3LG	38811	4	0	3	143	40498	4	0	3	149	40498	4	0	3	149	40076	4	0	3	147	42185	4	0	3	155					
		T4	38181	4	0	4	140	39841	4	0	5	147	39841	4	0	5	147	39426	4	0	4	145	41501	4	0	5	153					
		T4A	40213	4	0	3	148	41961	4	0	3	154	41961	4	0	3	154	41524	4	0	3	153	43710	4	0	3	161					
		T4LG	38696	3	0	3	142	40378	3	0	3	149	40378	3	0	3	149	39958	3	0	3	147	42061	4	0	3	155					
		T4FT	39307	3	0	5	145	41016	4	0	5	151	41016	4	0	5	151	40589	4	0	5	149	42725	4	0	5	157					
		T5	40106	5	0	4	148	41850	5	0	4	154	41850	5	0	4	154	41414	5	0	4	152	43594	5	0	4	160					
		T5LG	39078	4	0	3	144	40777	4	0	3	150	40777	4	0	3	150	40352	4	0	3	148	42476	5	0	3	156					
		T5W	38740	5	0	4	143	40424	5	0	4	149	40424	5	0	4	149	40003	5	0	4	147	42108	5	0	4	155					
		T5WW	36774	5	0	4	135	38372	5	0	4	141	38372	5	0	4	141	37973	5	0	4	140	39971	5	0	4	147					
		FN	39630	5	0	2	146	41353	5	0	2	152	41353	5	0	2	152	40922	5	0	2	151	43076	5	0	2	158					
		FM	40394	5	0	2	149	42150	5	0	2	155	42150	5	0	2	155	41711	5	0	2	153	43906	5	0	2	162					
FW	40256	5	0	2	148	42007	5	0	2	155	42007	5	0	2	155	41599	5	0	2	153	43757	5	0	2	161							
128LD	1050 mA (419.2W)	T1	52456	5	0	5	125	54736	5	0	5	131	54736	5	0	5	131	54166	5	0	5	129	57017	5	0	5	136					
		T2	50962	4	0	5	122	53178	5	0	5	127	53178	5	0	5	127	52624	5	0	5	126	55394	5	0	5	132					
		T3R	51721	5	0	5	123	53970	5	0	5	129	53970	5	0	5	129	53408	5	0	5	127	56219	5	0	5	134					
		T3	51161	4	0	5	122	53386	4	0	5	127	53386	4	0	5	127	52829	4	0	5	126	55610	4	0	5	133					
		T3W	52138	4	0	5	124	54405	4	0	5	130	54405	4	0	5	130	53838	4	0	5	128	56672	4	0	5	135					
		T3LG	52301	4	0	4	125	54575	4	0	4	130	54575	4	0	4	130	54007	4	0	4	129	56849	4	0	4	136					
		T4	51452	5	0	5	123	53689	5	0	5	128	53689	5	0	5	128	53130	5	0	5	127	55926	5	0	5	133					
		T4A	54191	4	0	4	129	56547	4	0	4	135	56547	4	0	4	135	55958	4	0	4	133	58903	4	0	4	14					

VLX-1 LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
160LD	350 mA (164.3W)	T1	25686	4	0	4	156	26803	4	0	4	163	26803	4	0	4	163	26524	4	0	4	161	27920	4	0	4	170
		T2	24955	3	0	4	152	26040	4	0	4	158	26040	4	0	4	158	25769	3	0	4	157	27125	4	0	5	165
		T3R	25327	3	0	5	154	26428	4	0	5	161	26428	4	0	5	161	26153	4	0	5	159	27529	4	0	5	168
		T3	25052	3	0	3	152	26142	3	0	3	159	26142	3	0	3	159	25869	3	0	3	157	27231	3	0	3	166
		T3W	25531	3	0	4	155	26641	3	0	4	162	26641	3	0	4	162	26363	3	0	4	160	27751	3	0	4	169
		T3LG	25611	3	0	3	156	26724	3	0	3	163	26724	3	0	3	163	26446	3	0	3	161	27838	3	0	3	169
		T4	25195	3	0	4	153	26291	4	0	4	160	26291	4	0	4	160	26017	4	0	4	158	27386	4	0	4	167
		T4A	26536	3	0	3	161	27690	3	0	3	168	27690	3	0	3	168	27401	3	0	3	167	28844	3	0	3	176
		T4LG	25535	3	0	3	155	26645	3	0	3	162	26645	3	0	3	162	26388	3	0	3	160	27756	3	0	3	169
		T4FT	25938	3	0	4	158	27066	3	0	4	165	27066	3	0	4	165	26784	3	0	4	163	28194	3	0	4	172
		T5	26466	4	0	3	161	27616	5	0	3	168	27616	5	0	3	168	27329	5	0	3	166	28767	5	0	3	175
		T5LG	25787	4	0	2	157	26908	4	0	2	164	26908	4	0	2	164	26628	4	0	2	162	28030	4	0	2	171
		T5W	25564	5	0	3	156	26676	5	0	3	162	26676	5	0	3	162	26398	5	0	3	161	27787	5	0	3	169
		T5WW	24267	5	0	3	148	25322	5	0	3	154	25322	5	0	3	154	25058	5	0	3	152	26377	5	0	3	161
		FN	26152	5	0	2	159	27289	5	0	2	166	27289	5	0	2	166	27004	5	0	2	164	28426	5	0	2	173
		FM	26656	5	0	1	162	27814	5	0	1	169	27814	5	0	1	169	27525	5	0	1	167	28973	5	0	1	176
		FW	26565	5	0	2	162	27720	5	0	2	169	27720	5	0	2	169	27431	5	0	2	167	28875	5	0	2	176
		160LD	530 mA (253.5W)	T1	37984	5	0	5	150	39636	5	0	5	156	39636	5	0	5	156	39223	5	0	5	155	41287	5	0
T2	36903			4	0	5	146	38507	4	0	5	152	38507	4	0	5	152	38106	4	0	5	150	40112	4	0	5	158
T3R	37452			4	0	5	148	39081	4	0	5	154	39081	4	0	5	154	38674	4	0	5	153	40709	4	0	5	161
T3	37047			3	0	4	146	38658	4	0	4	153	38658	4	0	4	153	38255	4	0	4	151	40268	4	0	4	159
T3W	37754			3	0	5	149	39396	3	0	5	155	39396	3	0	5	155	38986	3	0	5	154	41037	3	0	5	162
T3LG	37873			3	0	3	149	39519	4	0	3	156	39519	4	0	3	156	39108	4	0	3	154	41166	4	0	3	162
T4	37258			4	0	4	147	38878	4	0	4	153	38878	4	0	4	153	38473	4	0	4	152	40496	4	0	5	160
T4A	39241			4	0	3	155	40947	4	0	3	162	40947	4	0	3	162	40521	4	0	3	160	42653	4	0	3	168
T4LG	37761			3	0	3	149	39403	3	0	3	155	39403	3	0	3	155	38992	3	0	3	154	41044	4	0	3	162
T4FT	38357			3	0	5	151	40025	4	0	5	158	40025	4	0	5	158	39608	4	0	5	156	41692	4	0	5	164
T5	39137			5	0	4	154	40838	5	0	4	161	40838	5	0	4	161	40413	5	0	4	159	42540	5	0	4	168
T5LG	38133			4	0	3	150	39791	4	0	3	157	39791	4	0	3	157	39377	4	0	3	155	41449	5	0	3	164
T5W	37803			5	0	4	149	39447	5	0	4	156	39447	5	0	4	156	39036	5	0	4	154	41091	5	0	4	162
T5WW	35885			5	0	4	142	37445	5	0	4	148	37445	5	0	4	148	37055	5	0	4	146	39005	5	0	4	154
FN	38672			5	0	2	153	40354	5	0	2	159	40354	5	0	2	159	39933	5	0	2	158	42035	5	0	2	166
FM	39418			5	0	2	156	41131	5	0	2	162	41131	5	0	2	162	40703	5	0	2	161	42845	5	0	2	169
FW	39284			5	0	2	155	40991	5	0	2	162	40991	5	0	2	162	40564	5	0	2	160	42699	5	0	2	168
160LD	700 mA (339.7W)			T1	48337	5	0	5	142	50438	5	0	5	148	50438	5	0	5	148	49913	5	0	5	147	52540	5	0
		T2	46960	4	0	5	138	49002	4	0	5	144	49002	4	0	5	144	48492	4	0	5	143	51044	4	0	5	150
		T3R	47660	4	0	5	140	49732	4	0	5	146	49732	4	0	5	146	49214	4	0	5	145	51804	5	0	5	152
		T3	47144	4	0	5	139	49193	4	0	5	145	49193	4	0	5	145	48681	4	0	5	143	51243	4	0	5	151
		T3W	48044	4	0	5	141	50133	4	0	5	148	50133	4	0	5	148	49611	4	0	5	146	52222	4	0	5	154
		T3LG	48194	4	0	3	142	50290	4	0	4	148	50290	4	0	4	148	49766	4	0	4	146	52385	4	0	4	154
		T4	47412	4	0	5	140	49473	4	0	5	146	49473	4	0	5	146	48958	4	0	5	144	51535	5	0	5	152
		T4A	49936	4	0	3	147	52107	4	0	4	153	52107	4	0	4	153	51564	4	0	4	152	54278	4	0	4	160
		T4LG	48052	4	0	3	141	50141	4	0	3	148	50141	4	0	3	148	49619	4	0	3	146	52230	4	0	4	154
		T4FT	48811	4	0	5	144	50933	4	0	5	150	50933	4	0	5	150	50402	4	0	5	148	53055	4	0	5	156
		T5	49803	5	0	4	147	51968	5	0	4	153	51968	5	0	4	153	51427	5	0	4	151	54134	5	0	4	159
		T5LG	48526	5	0	3	143	50636	5	0	3	149	50636	5	0	3	149	50109	5	0	3	147	52746	5	0	3	155
		T5W	48106	5	0	4	142	50198	5	0	5	148	50198	5	0	5	148	49675	5	0	4	146	52289	5	0	5	154
		T5WW	45665	5	0	4	134	47650	5	0	5	140	47650	5	0	5	140	47154	5	0	4	139	49636	5	0	5	146
		FN	49212	5	0	2	145	51352	5	0	2	151	51352	5	0	2	151	50817	5	0	2	150	53491	5	0	2	157
		FM	50160	5	0	2	148	52341	5	0	2	154	52341	5	0	2	154	51796	5	0	2	152	54522	5	0	2	160
		FW	49990	5	0	3	147	52163	5	0	3	154	52163	5	0	3	154	51620	5	0	3	152	54337	5	0	3	160
		160LD	1050 mA (524.0W)	T1	65139	5	0	5	124	67971	5	0	5	130	67971	5	0	5	130	67263	5	0	5	128	70803	5	0
T2	63284			5	0	5	121	66035	5	0	5	126	66035	5	0	5	126	65347	5	0	5	125	68787	5	0	5	131
T3R	64226			5	0	5	123	67019	5	0	5	128	67019	5	0	5	128	66321	5	0	5	127	69811	5	0	5	133
T3	63531			4	0	5	121	66293	4	0	5	127	66293	4	0	5	127	65603	4	0	5	125	69055	4	0	5	132
T3W	64744			4	0	5	124	67559	4	0	5	129	67559	4	0	5	129	66855	4	0	5	128	70374	4	0	5	134
T3LG	64947			4	0	4	124	67771	4	0	4	129	67771	4	0	4	129	67095	4	0	4	128	70594	5	0	4	135
T4	63893			5	0	5	122	66671	5	0	5	127	66671	5	0	5	127	65976	5	0	5	126	69448	5	0	5	133

VLX-1 LED SPECIFICATIONS / Forward Optics																													
Led Count	Current & Watts	Distribution Type	70CRI																										
			27K					30K					35K					40K					50K						
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW		
192LD	350 mA (197.2W)	T1	30427	4	0	4	154	31750	5	0	5	161	31750	5	0	5	161	31420	5	0	5	159	33073	5	0	5	168		
		T2	29561	4	0	5	150	30846	4	0	5	156	30846	4	0	5	156	30525	4	0	5	155	32132	4	0	5	163		
		T3R	30001	4	0	5	152	31306	4	0	5	159	31306	4	0	5	159	30980	4	0	5	157	32610	4	0	5	165		
		T3	29677	3	0	4	150	30967	3	0	4	157	30967	3	0	4	157	30644	3	0	4	155	32257	3	0	4	164		
		T3W	30243	3	0	4	153	31558	3	0	4	160	31558	3	0	4	160	31229	3	0	4	158	32873	3	0	4	167		
		T3LG	30338	3	0	3	154	31657	3	0	3	161	31657	3	0	3	161	31327	3	0	3	159	32976	3	0	3	167		
		T4	29846	4	0	4	151	31143	4	0	4	158	31143	4	0	4	158	30819	4	0	4	156	32441	4	0	4	165		
		T4A	31434	3	0	3	159	32801	3	0	3	166	32801	3	0	3	166	32459	3	0	3	165	34168	3	0	3	173		
		T4LG	30248	3	0	3	153	31564	3	0	3	160	31564	3	0	3	160	31235	3	0	3	158	32879	3	0	3	167		
		T4FT	30726	3	0	5	156	32062	3	0	5	163	32062	3	0	5	163	31728	3	0	5	161	33398	3	0	5	169		
		T5	31351	5	0	3	159	32714	5	0	3	166	32714	5	0	3	166	32373	5	0	3	164	34077	5	0	3	173		
		T5LG	30547	4	0	2	155	31875	4	0	2	162	31875	4	0	2	162	31543	4	0	2	160	33203	4	0	2	168		
		T5W	30283	5	0	3	154	31599	5	0	4	160	31599	5	0	4	160	31270	5	0	4	159	32916	5	0	4	167		
		T5WW	28746	5	0	3	146	29995	5	0	4	152	29995	5	0	4	152	29683	5	0	4	151	31245	5	0	4	158		
		FN	30979	5	0	2	157	32326	5	0	2	164	32326	5	0	2	164	31989	5	0	2	162	33672	5	0	2	171		
		FM	31576	5	0	2	160	32948	5	0	2	167	32948	5	0	2	167	32605	5	0	2	165	34321	5	0	2	174		
		FW	31468	5	0	2	160	32836	5	0	2	167	32836	5	0	2	167	32494	5	0	2	165	34205	5	0	2	173		
		192LD	530 mA (304.1W)	T1	44995	5	0	5	148	46952	5	0	5	154	46952	5	0	5	154	46463	5	0	5	153	48908	5	0	5	161
				T2	43714	4	0	5	144	45615	4	0	5	150	45615	4	0	5	150	45140	4	0	5	148	47515	4	0	5	156
				T3R	44365	4	0	5	146	46294	4	0	5	152	46294	4	0	5	152	45812	4	0	5	151	48223	4	0	5	159
T3	43885			4	0	4	144	45793	4	0	5	151	45793	4	0	5	151	45316	4	0	4	149	47701	4	0	5	157		
T3W	44723			4	0	5	147	46667	4	0	5	153	46667	4	0	5	153	46181	4	0	5	152	48612	4	0	5	160		
T3LG	44863			4	0	3	148	46814	4	0	3	154	46814	4	0	3	154	46326	4	0	3	152	48764	4	0	4	160		
T4	44135			4	0	5	145	46054	4	0	5	151	46054	4	0	5	151	45574	4	0	5	150	47973	4	0	5	158		
T4A	46484			4	0	3	153	48505	4	0	3	159	48505	4	0	3	159	48000	4	0	3	158	50526	4	0	3	166		
T4LG	44731			4	0	3	147	46675	4	0	3	153	46675	4	0	3	153	46189	4	0	3	152	48620	4	0	4	160		
T4FT	45437			4	0	5	149	47412	4	0	5	156	47412	4	0	5	156	46918	4	0	5	154	49388	4	0	5	162		
T5	46360			5	0	4	152	48376	5	0	4	159	48376	5	0	4	159	47872	5	0	4	157	50392	5	0	4	166		
T5LG	45172			5	0	3	149	47136	5	0	3	155	47136	5	0	3	155	46645	5	0	3	153	49100	5	0	3	161		
T5W	44781			5	0	4	147	46728	5	0	4	154	46728	5	0	4	154	46241	5	0	4	152	48675	5	0	4	160		
T5WW	42508			5	0	4	140	44357	5	0	4	146	44357	5	0	4	146	43894	5	0	4	144	46205	5	0	4	152		
FN	45810			5	0	2	151	47802	5	0	2	157	47802	5	0	2	157	47304	5	0	2	156	49794	5	0	2	164		
FM	46693			5	0	2	154	48723	5	0	2	160	48723	5	0	2	160	48216	5	0	2	159	50753	5	0	2	167		
FW	46534			5	0	2	153	48558	5	0	2	160	48558	5	0	2	160	48052	5	0	2	158	50581	5	0	3	166		
192LD	700 mA (407.7 W)			T1	57258	5	0	5	140	59748	5	0	5	147	59748	5	0	5	147	59125	5	0	5	145	62237	5	0	5	153
				T2	55628	5	0	5	136	58047	5	0	5	142	58047	5	0	5	142	57442	5	0	5	141	60465	5	0	5	148
				T3R	56457	5	0	5	138	58911	5	0	5	144	58911	5	0	5	144	58297	5	0	5	143	61366	5	0	5	151
		T3	55845	4	0	5	137	58273	4	0	5	143	58273	4	0	5	143	57666	4	0	5	141	60701	4	0	5	149		
		T3W	56912	4	0	5	140	59386	4	0	5	146	59386	4	0	5	146	58768	4	0	5	144	61861	4	0	5	152		
		T3LG	57090	4	0	4	140	59572	4	0	4	146	59572	4	0	4	146	58951	4	0	4	145	62054	4	0	4	152		
		T4	56163	5	0	5	138	58605	5	0	5	144	58605	5	0	5	144	57995	5	0	5	142	61047	5	0	5	150		
		T4A	59153	4	0	4	145	61724	4	0	4	151	61724	4	0	4	151	61081	4	0	4	150	64296	4	0	4	158		
		T4LG	56921	4	0	4	140	59396	4	0	4	146	59396	4	0	4	146	58777	4	0	4	144	61871	4	0	4	152		
		T4FT	57820	4	0	5	142	60334	4	0	5	148	60334	4	0	5	148	59705	4	0	5	146	62848	4	0	5	154		
		T5	58995	5	0	4	145	61560	5	0	4	151	61560	5	0	4	151	60919	5	0	4	149	64125	5	0	5	157		
		T5LG	57483	5	0	3	141	59982	5	0	3	147	59982	5	0	3	147	59357	5	0	3	146	62481	5	0	4	153		
		T5W	56986	5	0	5	140	59463	5	0	5	146	59463	5	0	5	146	58844	5	0	5	144	61941	5	0	5	152		
		T5WW	54093	5	0	5	133	56445	5	0	5	138	56445	5	0	5	138	55857	5	0	5	137	58797	5	0	5	144		
		FN	58295	5	0	3	143	60830	5	0	3	149	60830	5	0	3	149	60196	5	0	3	148	63365	5	0	3	155		
		FM	59419	5	0	2	146	62002	5	0	2	152	62002	5	0	2	152	61356	5	0	2	150	64586	5	0	2	158		
		FW	59217	5	0	3	145	61791	5	0	3	152	61791	5	0	3	152	61148	5	0	3	150	64366	5	0	3	158		
		192LD	1050 mA (628.8W)	T1	77162	5	0	5	123	80516	5	0	5	128	80516	5	0	5	128	79678	5	0	5	127	83871	5	0	5	133
				T2	74965	5	0	5	119	78224	5	0	5	124	78224	5	0	5	124	77409	5	0	5	123	81483	5	0	5	130
				T3R	76081	5	0	5	121	79389	5	0	5	126	79389	5	0	5	126	78562	5	0	5	125	82697	5	0	5	132
T3	75257			5	0	5	120	78529	5	0	5	125	78529	5	0	5	125	77711	5	0	5	124	81801	5	0	5	130		
T3W	76694			4	0	5	122	80029	5	0	5	127	80029	5	0	5	127	79195	5	0	5	126	83364	5	0	5	133		
T3LG	76935			5	0	4	122	80279	5	0	5	128	80279	5	0	5	128	79443	5	0	5	126	83624	5	0	5	133		
T4	75686			5	0	5	120	78976	5	0	5	126	78976	5	0	5	126	78154	5	0	5	124	82267	5	0	5	131		
T4A	79714			5	0	4	127	83180	5	0	4	132	83180	5	0	4	132	82314	5	0	4	131	86646	5	0				

VLX-1-BHS LED SPECIFICATIONS / Forward Optics																																
Led Count	Current & Watts	Distribution Type																														
			27K					30K					70CRI					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW					
96LD	350 mA (98.6W)	T1	11459	1	0	2	116	11957	1	0	2	121	11957	1	0	2	121	11833	1	0	2	120	12456	1	0	2	126					
		T2	10666	1	0	4	108	11130	1	0	4	113	11130	1	0	4	113	11014	1	0	4	112	11594	1	0	4	118					
		T3R	11658	1	0	4	118	12165	1	0	4	123	12165	1	0	4	123	12038	1	0	4	122	12672	1	0	4	129					
		T3	11916	1	0	3	121	12434	1	0	3	126	12434	1	0	3	126	12305	1	0	3	125	12952	1	0	3	131					
		T3W	12182	1	0	3	124	12711	1	0	3	129	12711	1	0	3	129	12579	1	0	3	128	13241	1	0	4	134					
		T3LG	11872	1	0	2	120	12388	1	0	2	126	12388	1	0	2	126	12259	1	0	2	124	12905	1	0	2	131					
		T4	11802	1	0	3	120	12315	1	0	3	125	12315	1	0	3	125	12187	1	0	3	124	12828	1	0	3	130					
		T4A	12641	2	0	3	128	13190	2	0	3	134	13190	2	0	3	134	13053	2	0	3	132	13740	2	0	3	139					
		T4LG	12673	1	0	2	129	13224	1	0	2	134	13224	1	0	2	134	13086	1	0	2	133	13775	1	0	2	140					
		T4FT	11170	3	0	3	113	11655	3	0	3	118	11655	3	0	3	118	11534	3	0	3	117	12141	3	0	3	123					
		T5	10790	1	0	4	109	11259	1	0	4	114	11259	1	0	4	114	11142	1	0	4	113	11728	1	0	4	119					
		T5LG	11190	1	0	2	113	11677	1	0	2	118	11677	1	0	2	118	11555	1	0	2	117	12163	1	0	2	123					
T5W	10366	1	0	4	105	10816	1	0	4	110	10816	1	0	4	110	10704	1	0	4	109	11267	1	0	4	114							
T5WW	9785	1	0	4	99	10210	1	0	4	104	10210	1	0	4	104	10104	1	0	4	102	10635	1	0	4	108							
FN	11784	3	0	3	120	12296	4	0	4	125	12296	4	0	4	125	12168	4	0	4	123	12809	4	0	4	130							
FM	12011	3	0	4	122	12533	4	0	4	127	12533	4	0	4	127	12403	4	0	4	126	13056	4	0	4	132							
FW	10944	2	0	4	111	11420	2	0	4	116	11420	2	0	4	116	11301	2	0	4	115	11896	2	0	4	121							
96LD	530 mA (152.1W)	T1	16946	1	0	3	111	17682	1	0	3	116	17682	1	0	3	116	17498	1	0	3	115	18419	1	0	3	121					
		T2	15773	2	0	5	104	16459	2	0	5	108	16459	2	0	5	108	16287	2	0	5	107	17145	2	0	5	113					
		T3R	17239	1	0	5	113	17989	1	0	5	118	17989	1	0	5	118	17801	1	0	5	117	18738	1	0	5	123					
		T3	17621	1	0	4	116	18387	1	0	4	121	18387	1	0	4	121	18196	1	0	4	120	19153	1	0	4	126					
		T3W	18014	2	0	4	118	18797	2	0	4	124	18797	2	0	4	124	18601	2	0	4	122	19580	2	0	4	129					
		T3LG	17556	2	0	3	115	18320	2	0	3	120	18320	2	0	3	120	18129	2	0	3	119	19083	2	0	3	125					
		T4	17452	2	0	4	115	18211	2	0	4	120	18211	2	0	4	120	18021	2	0	4	119	18970	2	0	4	125					
		T4A	18693	2	0	4	123	19505	2	0	4	128	19505	2	0	4	128	19302	2	0	4	127	20318	2	0	4	134					
		T4LG	18741	2	0	3	123	19556	2	0	3	129	19556	2	0	3	129	19352	2	0	3	127	20370	2	0	3	134					
		T4FT	16517	3	0	3	109	17235	3	0	4	113	17235	3	0	4	113	17056	3	0	4	112	17953	3	0	4	118					
		T5	15956	2	0	5	105	16650	2	0	5	109	16650	2	0	5	109	16476	2	0	5	108	17343	2	0	5	114					
		T5LG	16548	1	0	2	109	17267	1	0	2	114	17267	1	0	2	114	17087	1	0	2	112	17987	1	0	2	118					
T5W	15328	2	0	5	101	15995	2	0	5	105	15995	2	0	5	105	15828	2	0	5	104	16661	2	0	5	110							
T5WW	14469	1	0	5	95	15098	2	0	5	99	15098	2	0	5	99	14941	2	0	5	98	15727	2	0	5	103							
FN	17426	4	0	4	115	18184	4	0	5	120	18184	4	0	5	120	17994	4	0	5	118	18941	4	0	5	125							
FM	17762	4	0	5	117	18534	4	0	5	122	18534	4	0	5	122	18341	4	0	5	121	19306	4	0	5	127							
FW	16184	2	0	5	106	16888	3	0	5	111	16888	3	0	5	111	16712	3	0	5	110	17592	3	0	5	116							
96LD	700 mA (203.8W)	T1	21564	1	0	4	106	22502	1	0	4	110	22502	1	0	4	110	22267	1	0	4	109	23439	1	0	4	115					
		T2	20072	2	0	5	98	20944	2	0	5	103	20944	2	0	5	103	20726	2	0	5	102	21817	2	0	5	107					
		T3R	21938	2	0	5	108	22891	2	0	5	112	22891	2	0	5	112	22653	2	0	5	111	23845	2	0	5	117					
		T3	22423	2	0	5	110	23398	2	0	5	115	23398	2	0	5	115	23155	2	0	5	114	24373	2	0	5	120					
		T3W	22923	2	0	5	112	23920	2	0	5	117	23920	2	0	5	117	23671	2	0	5	116	24917	2	0	5	122					
		T3LG	22341	2	0	3	110	23313	2	0	3	114	23313	2	0	3	114	23070	2	0	3	113	24284	2	0	3	119					
		T4	22208	2	0	5	109	23174	2	0	5	114	23174	2	0	5	114	22933	2	0	5	112	24140	2	0	5	118					
		T4A	23787	3	0	5	117	24821	3	0	5	122	24821	3	0	5	122	24563	3	0	5	120	25856	3	0	5	127					
		T4LG	23848	2	0	4	117	24885	2	0	4	122	24885	2	0	4	122	24626	2	0	4	121	25922	2	0	4	127					
		T4FT	21019	3	0	4	103	21933	3	0	4	108	21933	3	0	4	108	21704	3	0	4	106	22846	3	0	4	112					
		T5	20394	2	0	5	100	21187	2	0	5	104	21187	2	0	5	104	20966	2	0	5	103	22070	2	0	5	108					
		T5LG	21058	2	0	3	103	21973	2	0	3	108	21973	2	0	3	108	21744	2	0	3	107	22889	2	0	3	112					
T5W	19506	2	0	5	96	20354	2	0	5	100	20354	2	0	5	100	20142	2	0	5	99	21202	2	0	5	104							
T5WW	18413	2	0	5	90	19213	2	0	5	94	19213	2	0	5	94	19013	2	0	5	93	20014	2	0	5	98							
FN	22175	4	0	5	109	23139	4	0	5	114	23139	4	0	5	114	22898	4	0	5	112	24104	5	0	5	118							
FM	22603	4	0	5	111	23585	4	0	5	116	23585	4	0	5	116	23340	4	0	5	114	24568	4	0	5	121							
FW	20595	3	0	5	101	21490	3	0	5	105	21490	3	0	5	105	21267	3	0	5	104	22386	3	0	5	110							
96LD	1050 mA (314.4W)	T1	29060	2	0	4	92	30323	2	0	4	96	30323	2	0	4	96	30007	2	0	4	95	31587	2	0	4	100					
		T2	27049	2	0	5	86	28225	2	0	5	90	28225	2	0	5	90	27931	2	0	5	89	29401	3	0	5	94					
		T3R	29563	2	0	5	94	30849	2	0	5	98	30849	2	0	5	98	30527	2	0	5	97	32134	2	0	5	102					
		T3	30218	2	0	5	96	31532	2	0	5	100	31532	2	0	5	100	31203	2	0	5	99	32846	2	0	5	104					
		T3W	30892	3	0	5	98	32235	3	0	5	103	32235	3	0	5	103	31899	3	0	5	101	33578	3	0	5	107					
		T3LG	30107	2	0	4	96	31416	2	0	4	100	31416	2	0	4	100	31089	2	0	4	99	32725	2	0	4	104					
		T4	29928	2	0	5	95	31229	2	0	5	99	31229	2	0	5	99	30904	2	0	5	98	32531	2	0	5	103					
		T4A	32056	3	0	5	102	33449	3	0	5	106	33449	3	0	5	106	33101	3	0	5											

VLX-1-BHS LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
128LD	350 mA (131.5W)	T1	15094	1	0	3	115	15750	1	0	3	120	15750	1	0	3	120	15586	1	0	3	119	16406	1	0	3	125
		T2	14049	1	0	4	107	14660	2	0	5	111	14660	2	0	5	111	14507	2	0	5	110	15271	2	0	5	116
		T3R	15355	1	0	4	117	16023	1	0	4	122	16023	1	0	4	122	15856	1	0	4	121	16691	1	0	4	127
		T3	15695	1	0	4	119	16378	1	0	4	125	16378	1	0	4	125	16207	1	0	4	123	17060	1	0	4	130
		T3W	16045	2	0	4	122	16743	2	0	4	127	16743	2	0	4	127	16569	2	0	4	126	17441	2	0	4	133
		T3LG	15638	1	0	3	119	16318	1	0	3	124	16318	1	0	3	124	16148	1	0	3	123	16998	1	0	3	129
		T4	15545	1	0	4	118	16221	1	0	4	123	16221	1	0	4	123	16052	1	0	4	122	16897	1	0	4	128
		T4A	16650	2	0	4	127	17374	2	0	4	132	17374	2	0	4	132	17193	2	0	4	131	18098	2	0	4	138
		T4LG	16693	1	0	3	127	17419	1	0	3	132	17419	1	0	3	132	17237	1	0	3	131	18144	1	0	3	138
		T4FT	14712	3	0	3	112	15352	3	0	3	117	15352	3	0	3	117	15192	3	0	3	116	15992	3	0	3	122
		T5	14212	2	0	5	108	14830	2	0	5	113	14830	2	0	5	113	14676	2	0	5	112	15448	2	0	5	117
		T5LG	14739	1	0	2	112	15380	1	0	2	117	15380	1	0	2	117	15220	1	0	2	116	16021	1	0	2	122
		T5W	13653	2	0	5	104	14247	2	0	5	108	14247	2	0	5	108	14099	2	0	5	107	14841	2	0	5	113
		T5WW	12888	1	0	5	98	13448	1	0	5	102	13448	1	0	5	102	13308	1	0	5	101	14009	1	0	5	107
		FN	15522	4	0	4	118	16197	4	0	4	123	16197	4	0	4	123	16028	4	0	4	122	16871	4	0	4	128
		FM	15821	4	0	4	120	16509	4	0	4	126	16509	4	0	4	126	16337	4	0	4	124	17197	4	0	4	131
		FW	14416	2	0	5	110	15042	2	0	5	114	15042	2	0	5	114	14886	2	0	5	113	15669	2	0	5	119
		128LD	530 mA (202.8W)	T1	22315	1	0	4	110	23285	1	0	4	115	23285	1	0	4	115	23042	1	0	4	114	24255	1	0
T2	20770			2	0	5	102	21673	2	0	5	107	21673	2	0	5	107	21448	2	0	5	106	22577	2	0	5	111
T3R	22701			2	0	5	112	23688	2	0	5	117	23688	2	0	5	117	23442	2	0	5	116	24675	2	0	5	122
T3	23204			2	0	5	114	24213	2	0	5	119	24213	2	0	5	119	23961	2	0	5	118	25222	2	0	5	124
T3W	23721			2	0	5	117	24753	2	0	5	122	24753	2	0	5	122	24495	2	0	5	121	25784	2	0	5	127
T3LG	23119			2	0	3	114	24124	2	0	3	119	24124	2	0	3	119	23873	2	0	3	118	25129	2	0	3	124
T4	22981			2	0	5	113	23981	2	0	5	118	23981	2	0	5	118	23731	2	0	5	117	24980	2	0	5	123
T4A	24615			3	0	5	121	25685	3	0	5	127	25685	3	0	5	127	25418	3	0	5	125	26756	3	0	5	132
T4LG	24678			2	0	4	122	25751	2	0	4	127	25751	2	0	4	127	25483	2	0	4	126	26824	2	0	4	132
T4FT	21750			3	0	4	107	22696	3	0	4	112	22696	3	0	4	112	22460	3	0	4	111	23642	3	0	4	117
T5	21011			2	0	5	104	21925	2	0	5	108	21925	2	0	5	108	21696	2	0	5	107	22838	2	0	5	113
T5LG	21791			2	0	3	107	22738	2	0	3	112	22738	2	0	3	112	22501	2	0	3	111	23686	2	0	3	117
T5W	20185			2	0	5	100	21063	2	0	5	104	21063	2	0	5	104	20843	2	0	5	103	21940	2	0	5	108
T5WW	19054			2	0	5	94	19882	2	0	5	98	19882	2	0	5	98	19675	2	0	5	97	20710	2	0	5	102
FN	22947			4	0	5	113	23945	4	0	5	118	23945	4	0	5	118	23695	4	0	5	117	24943	5	0	5	123
FM	23389			4	0	5	115	24406	4	0	5	120	24406	4	0	5	120	24152	4	0	5	119	25423	5	0	5	125
FW	21312			3	0	5	105	22238	3	0	5	110	22238	3	0	5	110	22007	3	0	5	109	23165	3	0	5	114
128LD	700 mA (271.8W)			T1	28396	1	0	4	104	29631	2	0	4	109	29631	2	0	4	109	29322	2	0	4	108	30665	2	0
		T2	26431	2	0	5	97	27580	2	0	5	101	27580	2	0	5	101	27293	2	0	5	100	28729	3	0	5	106
		T3R	28888	2	0	5	106	30144	2	0	5	111	30144	2	0	5	111	29830	2	0	5	110	31400	2	0	5	116
		T3	29528	2	0	5	109	30812	2	0	5	113	30812	2	0	5	113	30491	2	0	5	112	32096	2	0	5	118
		T3W	30186	3	0	5	111	31499	3	0	5	116	31499	3	0	5	116	31171	3	0	5	115	32811	3	0	5	121
		T3LG	29420	2	0	4	108	30699	2	0	4	113	30699	2	0	4	113	30379	2	0	4	112	31978	2	0	4	118
		T4	29245	2	0	5	108	30516	2	0	5	112	30516	2	0	5	112	30198	2	0	5	111	31788	2	0	5	117
		T4A	31324	3	0	5	115	32686	3	0	5	120	32686	3	0	5	120	32345	3	0	5	119	34048	3	0	5	125
		T4LG	31404	2	0	4	116	32770	2	0	4	121	32770	2	0	4	121	32428	2	0	4	119	34135	2	0	4	126
		T4FT	27678	4	0	5	102	28882	4	0	5	106	28882	4	0	5	106	28581	4	0	5	105	30085	4	0	5	111
		T5	26737	3	0	5	98	27900	3	0	5	103	27900	3	0	5	103	27690	3	0	5	102	29062	3	0	5	107
		T5LG	27729	2	0	3	102	28935	2	0	3	106	28935	2	0	3	106	28634	2	0	3	105	30141	2	0	4	111
		T5W	25686	3	0	5	95	26803	3	0	5	99	26803	3	0	5	99	26524	3	0	5	98	27920	3	0	5	103
		T5WW	24246	2	0	5	89	25301	2	0	5	93	25301	2	0	5	93	25037	2	0	5	92	26355	2	0	5	97
		FN	29201	5	0	5	107	30471	5	0	5	112	30471	5	0	5	112	30153	5	0	5	111	31740	5	0	5	117
		FM	29764	5	0	5	110	31058	5	0	5	114	31058	5	0	5	114	30734	5	0	5	113	32352	5	0	5	119
		FW	27120	3	0	5	100	28299	3	0	5	104	28299	3	0	5	104	28005	3	0	5	103	29478	3	0	5	108
		128LD	1050 mA (419.2W)	T1	38267	2	0	5	91	39930	2	0	5	95	39930	2	0	5	95	39515	2	0	5	94	41594	2	0
T2	35619			3	0	5	85	37167	3	0	5	89	37167	3	0	5	89	36780	3	0	5	88	38716	3	0	5	92
T3R	38930			2	0	5	93	40623	3	0	5	97	40623	3	0	5	97	40199	3	0	5	96	42315	3	0	5	101
T3	39792			3	0	5	95	41522	3	0	5	99	41522	3	0	5	99	41090	3	0	5	98	43252	3	0	5	103
T3W	40679			3	0	5	97	42448	3	0	5	101	42448	3	0	5	101	42006	3	0	5	100	44217	3	0	5	105
T3LG	39646			3	0	4	95	41370	3	0	4	99	41370	3	0	4	99	40939	3	0	4	98	43094	3	0	4	103
T4	39410			3	0	5	94	41124	3	0	5	98	41124	3	0	5	98	40695	3	0	5	97	42837	3	0	5	102
T4A	42212			3	0	5	101	44047	3	0	5	105	44047	3	0	5	105	43588	3	0	5	104	45883	3	0	5	109
T4LG	42																										

VLX-1-BHS LED SPECIFICATIONS / Forward Optics																											
Lad Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
160LD	350 mA (164.3W)	T1	18738	1	0	3	114	19553	1	0	3	119	19553	1	0	3	119	19349	1	0	3	118	20368	1	0	4	124
		T2	17442	2	0	5	106	18200	2	0	5	111	18200	2	0	5	111	18010	2	0	5	110	18958	2	0	5	115
		T3R	19063	1	0	5	116	19892	2	0	5	121	19892	2	0	5	121	19685	2	0	5	120	20721	2	0	5	126
		T3	19485	2	0	4	119	20332	2	0	5	124	20332	2	0	5	124	20121	2	0	5	122	21180	2	0	5	129
		T3W	19920	2	0	5	121	20786	2	0	5	126	20786	2	0	5	126	20569	2	0	5	125	21652	2	0	5	132
		T3LG	19414	2	0	3	118	20258	2	0	3	123	20258	2	0	3	123	20047	2	0	3	122	21102	2	0	3	128
		T4	19298	2	0	4	117	20137	2	0	5	123	20137	2	0	5	123	19928	2	0	4	121	20976	2	0	5	128
		T4A	20670	2	0	4	126	21569	2	0	4	131	21569	2	0	4	131	21344	2	0	4	130	22468	3	0	5	137
		T4LG	20723	2	0	3	126	21624	2	0	3	132	21624	2	0	3	132	21399	2	0	3	130	22525	2	0	3	137
		T4FT	18265	3	0	4	111	19059	3	0	4	116	19059	3	0	4	116	18860	3	0	4	115	19853	3	0	4	121
		T5	17644	2	0	5	107	18411	2	0	5	112	18411	2	0	5	112	18219	2	0	5	111	19178	2	0	5	117
		T5LG	18298	1	0	2	111	19094	1	0	2	116	19094	1	0	2	116	18895	1	0	2	115	19890	1	0	3	121
		T5W	16950	2	0	5	103	17687	2	0	5	108	17687	2	0	5	108	17503	2	0	5	107	18424	2	0	5	112
		T5WW	16000	2	0	5	97	16696	2	0	5	102	16696	2	0	5	102	16522	2	0	5	101	17391	2	0	5	106
		FN	19270	4	0	5	117	20107	4	0	5	122	20107	4	0	5	122	19898	4	0	5	121	20945	4	0	5	127
		FM	19641	4	0	5	120	20495	4	0	5	125	20495	4	0	5	125	20281	4	0	5	123	21349	4	0	5	130
		FW	17896	3	0	5	109	18674	3	0	5	114	18674	3	0	5	114	18480	3	0	5	112	19453	3	0	5	118
		160LD	530 mA (253.5W)	T1	27710	1	0	4	109	28915	1	0	4	114	28915	1	0	4	114	28613	1	0	4	113	30119	2	0
T2	25792			2	0	5	102	26914	2	0	5	106	26914	2	0	5	106	26633	2	0	5	105	28035	2	0	5	111
T3R	28190			2	0	5	111	29416	2	0	5	116	29416	2	0	5	116	29109	2	0	5	115	30641	2	0	5	121
T3	28814			2	0	5	114	30067	2	0	5	119	30067	2	0	5	119	29754	2	0	5	117	31320	2	0	5	124
T3W	29457			3	0	5	116	30737	3	0	5	121	30737	3	0	5	121	30417	3	0	5	120	32018	3	0	5	126
T3LG	28709			2	0	4	113	29957	2	0	4	118	29957	2	0	4	118	29645	2	0	4	117	31205	2	0	4	123
T4	28538			2	0	5	113	29779	2	0	5	117	29779	2	0	5	117	29468	2	0	5	116	31019	2	0	5	122
T4A	30567			3	0	5	121	31896	3	0	5	126	31896	3	0	5	126	31563	3	0	5	125	33225	3	0	5	131
T4LG	30645			2	0	4	121	31978	2	0	4	126	31978	2	0	4	126	31645	2	0	4	125	33310	2	0	4	131
T4FT	27009			3	0	5	107	28184	4	0	5	111	28184	4	0	5	111	27890	4	0	5	110	29358	4	0	5	116
T5	26091			3	0	5	103	27226	3	0	5	107	27226	3	0	5	107	26942	3	0	5	106	28360	3	0	5	112
T5LG	27059			2	0	3	107	28236	2	0	3	111	28236	2	0	3	111	27942	2	0	3	110	29412	2	0	3	116
T5W	25065			2	0	5	99	26155	3	0	5	103	26155	3	0	5	103	25883	3	0	5	102	27245	3	0	5	107
T5WW	23660			2	0	5	93	24689	2	0	5	97	24689	2	0	5	97	24432	2	0	5	96	25718	2	0	5	101
FN	28495			5	0	5	112	29734	5	0	5	117	29734	5	0	5	117	29425	5	0	5	116	30973	5	0	5	122
FM	29045			5	0	5	115	30307	5	0	5	120	30307	5	0	5	120	29992	5	0	5	118	31570	5	0	5	125
FW	26465			3	0	5	104	27615	3	0	5	109	27615	3	0	5	109	27328	3	0	5	108	28766	3	0	5	113
160LD	700 mA (339.7W)			T1	35262	2	0	5	104	36795	2	0	5	108	36795	2	0	5	108	36412	2	0	5	107	38328	2	0
		T2	32822	3	0	5	97	34249	3	0	5	101	34249	3	0	5	101	33892	3	0	5	100	35676	3	0	5	105
		T3R	35873	2	0	5	106	37433	2	0	5	110	37433	2	0	5	110	37043	2	0	5	109	38992	2	0	5	115
		T3	36667	2	0	5	108	38261	2	0	5	113	38261	2	0	5	113	37863	2	0	5	111	39856	3	0	5	117
		T3W	37485	3	0	5	110	39115	3	0	5	115	39115	3	0	5	115	38707	3	0	5	114	40744	3	0	5	120
		T3LG	36533	3	0	4	108	38121	3	0	4	112	38121	3	0	4	112	37724	3	0	4	111	39710	3	0	4	117
		T4	36316	3	0	5	107	37894	3	0	5	112	37894	3	0	5	112	37500	3	0	5	110	39473	3	0	5	116
		T4A	38897	3	0	5	114	40588	3	0	5	119	40588	3	0	5	119	40166	3	0	5	118	42280	3	0	5	124
		T4LG	38997	3	0	5	115	40693	3	0	5	120	40693	3	0	5	120	40269	3	0	5	119	42388	3	0	5	125
		T4FT	34370	4	0	5	101	35865	4	0	5	106	35865	4	0	5	106	35491	4	0	5	104	37359	4	0	5	110
		T5	33202	3	0	5	98	34646	3	0	5	102	34646	3	0	5	102	34285	3	0	5	101	36089	3	0	5	106
		T5LG	34434	2	0	4	101	35931	2	0	4	106	35931	2	0	4	106	35557	2	0	4	105	37428	2	0	4	110
		T5W	31897	3	0	5	94	33283	3	0	5	98	33283	3	0	5	98	32937	3	0	5	97	34670	3	0	5	102
		T5WW	30109	3	0	5	89	31418	3	0	5	92	31418	3	0	5	92	31090	3	0	5	92	32727	3	0	5	96
		FN	36261	5	0	5	107	37838	5	0	5	111	37838	5	0	5	111	37444	5	0	5	110	39415	5	0	5	116
		FM	36960	5	0	5	109	38567	5	0	5	114	38567	5	0	5	114	38165	5	0	5	112	40174	5	0	5	118
		FW	33677	3	0	5	99	35142	3	0	5	103	35142	3	0	5	103	34775	3	0	5	102	36606	3	0	5	108
		160LD	1050 mA (524.0W)	T1	47519	2	0	5	91	49585	2	0	5	95	49585	2	0	5	95	49068	2	0	5	94	51651	2	0
T2	44231			3	0	5	84	46154	3	0	5	88	46154	3	0	5	88	45673	3	0	5	87	48077	3	0	5	92
T3R	48342			3	0	5	92	50444	3	0	5	96	50444	3	0	5	96	49919	3	0	5	95	52546	3	0	5	100
T3	49413			3	0	5	94	51561	3	0	5	98	51561	3	0	5	98	51024	3	0	5	97	53710	3	0	5	103
T3W	50515			3	0	5	96	52711	3	0	5	101	52711	3	0	5	101	52162	3	0	5	100	54807	3	0	5	105
T3LG	48232			3	0	5	94	51372	3	0	5	98	51372	3	0	5	98	50837	3	0	5	97	53513	3	0	5	102
T4	48939			3	0	5	93	51067	3	0	5	97	51067	3	0	5	97	50535	3	0	5	96	53195	3	0	5	102
T4A	52418			3	0	5	100	54697	3	0	5	104	54697	3	0	5	104	54127	3	0	5	103	56976	4	0	5	109
T4LG	52553			3	0	5	100	54838	3	0																	

VLX-1-BHS LED SPECIFICATIONS / Forward Optics																																
Led Count	Current & Watts	Distribution Type																														
			27K					30K					70CRI					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW					
192LD	350 mA (197.2W)	T1	22197	1	0	4	113	23162	1	0	4	117	23162	1	0	4	117	22921	1	0	4	116	24127	1	0	4	122					
		T2	20661	2	0	5	105	21559	2	0	5	109	21559	2	0	5	109	21335	2	0	5	108	22458	2	0	5	114					
		T3R	22582	2	0	5	115	23564	2	0	5	119	23564	2	0	5	119	23318	2	0	5	118	24545	2	0	5	124					
		T3	23082	2	0	5	117	24085	2	0	5	122	24085	2	0	5	122	23834	2	0	5	121	25089	2	0	5	127					
		T3W	23596	2	0	5	120	24622	2	0	5	125	24622	2	0	5	125	24366	2	0	5	124	25648	2	0	5	130					
		T3LG	22997	2	0	3	117	23997	2	0	3	122	23997	2	0	3	122	23747	2	0	3	120	24997	2	0	3	127					
		T4	22860	2	0	5	116	23854	2	0	5	121	23854	2	0	5	121	23606	2	0	5	120	24848	2	0	5	126					
		T4A	24486	3	0	5	124	25550	3	0	5	130	25550	3	0	5	130	25284	3	0	5	128	26615	3	0	5	135					
		T4LG	24548	2	0	4	124	25616	2	0	4	130	25616	2	0	4	130	25349	2	0	4	129	26683	2	0	4	135					
		T4FT	21636	3	0	4	110	22577	3	0	4	114	22577	3	0	4	114	22341	3	0	4	113	23517	3	0	4	119					
		T5	20900	2	0	5	106	21809	2	0	5	111	21809	2	0	5	111	21582	2	0	5	109	22718	2	0	5	115					
		T5LG	21676	2	0	3	110	22618	2	0	3	115	22618	2	0	3	115	22383	2	0	3	114	23561	2	0	3	119					
		T5W	20079	2	0	5	102	20952	2	0	5	106	20952	2	0	5	106	20733	2	0	5	105	21825	2	0	5	111					
		T5WW	18953	2	0	5	96	19777	2	0	5	100	19777	2	0	5	100	19571	2	0	5	99	20601	2	0	5	104					
		FN	22826	4	0	5	116	23819	4	0	5	121	23819	4	0	5	121	23571	4	0	5	120	24811	5	0	5	126					
		FM	23266	4	0	5	118	24278	4	0	5	123	24278	4	0	5	123	24025	4	0	5	122	25289	5	0	5	128					
FW	21200	3	0	5	108	22121	3	0	5	112	22121	3	0	5	112	21891	3	0	5	111	23043	3	0	5	117							
192LD	530 mA (304.1W)	T1	32824	2	0	5	108	34252	2	0	5	113	34252	2	0	5	113	33895	2	0	5	111	35679	2	0	5	117					
		T2	30553	3	0	5	100	31881	3	0	5	105	31881	3	0	5	105	31549	3	0	5	104	33210	3	0	5	109					
		T3R	33393	2	0	5	110	34845	2	0	5	115	34845	2	0	5	115	34482	2	0	5	113	36297	2	0	5	119					
		T3	34133	2	0	5	112	35617	2	0	5	117	35617	2	0	5	117	35246	2	0	5	116	37101	2	0	5	122					
		T3W	34894	3	0	5	115	36411	3	0	5	120	36411	3	0	5	120	36032	3	0	5	118	37928	3	0	5	125					
		T3LG	34008	2	0	4	112	35486	3	0	4	117	35486	3	0	4	117	35116	3	0	4	115	36965	3	0	4	122					
		T4	33805	2	0	5	111	35275	3	0	5	116	35275	3	0	5	116	34908	3	0	5	115	36745	3	0	5	121					
		T4A	36209	3	0	5	119	37783	3	0	5	124	37783	3	0	5	124	37389	3	0	5	123	39357	3	0	5	129					
		T4LG	36302	2	0	4	119	37880	3	0	5	125	37880	3	0	5	125	37485	3	0	5	123	39458	3	0	5	130					
		T4FT	31995	4	0	5	105	33386	4	0	5	110	33386	4	0	5	110	33038	4	0	5	109	34777	4	0	5	114					
		T5	30907	3	0	5	102	32251	3	0	5	106	32251	3	0	5	106	31915	3	0	5	105	33595	3	0	5	110					
		T5LG	32054	2	0	4	105	33447	2	0	4	110	33447	2	0	4	110	33099	2	0	4	109	34841	2	0	4	115					
		T5W	29692	3	0	5	98	30983	3	0	5	102	30983	3	0	5	102	30660	3	0	5	101	32274	3	0	5	106					
		T5WW	28027	2	0	5	92	29246	2	0	5	96	29246	2	0	5	96	28941	2	0	5	95	30465	3	0	5	100					
		FN	33755	5	0	5	111	35223	5	0	5	116	35223	5	0	5	116	34856	5	0	5	115	36690	5	0	5	121					
		FM	34405	5	0	5	113	35901	5	0	5	118	35901	5	0	5	118	35527	5	0	5	117	37397	5	0	5	123					
FW	31349	3	0	5	103	32712	3	0	5	108	32712	3	0	5	108	32372	3	0	5	106	34075	3	0	5	112							
192LD	700 mA (407.7 W)	T1	41770	2	0	5	102	43586	2	0	5	107	43586	2	0	5	107	43132	2	0	5	106	45402	2	0	5	111					
		T2	38880	3	0	5	95	40570	3	0	5	100	40570	3	0	5	100	40148	3	0	5	98	42261	3	0	5	104					
		T3R	42494	3	0	5	104	44342	3	0	5	109	44342	3	0	5	109	43880	3	0	5	108	46189	3	0	5	113					
		T3	43435	3	0	5	107	45324	3	0	5	111	45324	3	0	5	111	44852	3	0	5	110	47212	3	0	5	116					
		T3W	44404	3	0	5	109	46334	3	0	5	114	46334	3	0	5	114	45852	3	0	5	112	48265	3	0	5	118					
		T3LG	43276	3	0	4	106	45157	3	0	5	111	45157	3	0	5	111	44687	3	0	5	110	47039	3	0	5	115					
		T4	43019	3	0	5	106	44889	3	0	5	110	44889	3	0	5	110	44421	3	0	5	109	46759	3	0	5	115					
		T4A	46077	3	0	5	113	48080	3	0	5	118	48080	3	0	5	118	47579	3	0	5	117	50083	3	0	5	123					
		T4LG	46195	3	0	5	113	48204	3	0	5	118	48204	3	0	5	118	47702	3	0	5	117	50212	3	0	5	123					
		T4FT	40714	4	0	5	100	42484	4	0	5	104	42484	4	0	5	104	42042	4	0	5	103	44255	4	0	5	109					
		T5	39330	3	0	5	96	41040	3	0	5	101	41040	3	0	5	101	40613	3	0	5	100	42750	3	0	5	105					
		T5LG	40790	2	0	4	100	42563	3	0	4	104	42563	3	0	4	104	42120	3	0	4	103	44337	3	0	4	109					
		T5W	37784	3	0	5	93	39427	3	0	5	97	39427	3	0	5	97	39016	3	0	5	96	41069	3	0	5	101					
		T5WW	35666	3	0	5	87	37217	3	0	5	91	37217	3	0	5	91	36829	3	0	5	90	38767	3	0	5	95					
		FN	42955	5	0	5	105	44822	5	0	5	110	44822	5	0	5	110	44355	5	0	5	109	46690	5	0	5	115					
		FM	43782	5	0	5	107	45686	5	0	5	112	45686	5	0	5	112	45210	5	0	5	111	47589	5	0	5	117					
FW	39893	3	0	5	98	41628	4	0	5	102	41628	4	0	5	102	41194	4	0	5	101	43362	4	0	5	106							
192LD	1050 mA (628.8W)	T1	56290	2	0	5	90	58737	3	0	5	93	58737	3	0	5	93	58125	3	0	5	92	61185	3	0	5	97					
		T2	52395	3	0	5	83	54673	3	0	5	87	54673	3	0	5	87	54103	3	0	5	86	56951	3	0	5	91					
		T3R	57265	3	0	5	91	59755	3	0	5	95	59755	3	0	5	95	59133	3	0	5	94	62245	3	0	5	99					
		T3	58533	3	0	5	93	61078	3	0	5	97	61078	3	0	5	97	60442	3	0	5	96	63823	3	0	5	101					
		T3W	59839	3	0	5	95	62440	3	0	5	99	62440	3	0	5	99	61790	3	0	5	98	65042	3	0	5	103					
		T3LG	58319	3	0	5	93	60854	3	0	5	97	60854	3	0	5	97	60220	3	0	5	96	63390	3	0	5	101					
		T4	57972	3	0	5	92	60493	3	0	5	96	60493	3	0	5	96	59862	3	0	5	95	63013	3	0	5	100					
		T4A	62093	4	0	5	99	64793	4	0	5	103	64793	4	0	5	103	64118	4	0	5	102	67493	4	0	5	107					
		T4LG	62253	3	0	5	99	64960	3																							

VLX-1-CLS LED SPECIFICATIONS / Forward Optics																																
Led Count	Current & Watts	Distribution Type																														
			27K					30K					70CRI					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW					
96LD	350 mA (98.6W)	T1	11838	3	0	3	120	12353	3	0	3	125	12353	3	0	3	125	12224	3	0	3	124	12868	3	0	3	131					
		T2	12471	2	0	3	126	13014	2	0	4	132	13014	2	0	4	132	12878	2	0	4	131	13556	2	0	4	137					
		T3R	11824	2	0	3	120	12338	2	0	3	125	12338	2	0	3	125	12210	2	0	3	124	12853	2	0	3	130					
		T3	11916	1	0	3	121	12434	1	0	3	126	12434	1	0	3	126	12305	1	0	3	125	12952	1	0	3	131					
		T3W	12010	1	0	3	122	12532	1	0	3	127	12532	1	0	3	127	12402	1	0	3	126	13054	2	0	3	132					
		T3LG	12018	2	0	3	122	12541	2	0	3	127	12541	2	0	3	127	12410	2	0	3	126	13063	2	0	3	132					
		T4	10818	2	0	2	110	11289	2	0	3	114	11289	2	0	3	114	11171	2	0	3	113	11759	2	0	3	119					
		T4A	14007	2	0	3	142	14616	2	0	3	148	14616	2	0	3	148	14464	2	0	3	147	15225	2	0	3	154					
		T4LG	11469	2	0	3	116	11968	2	0	3	121	11968	2	0	3	121	11843	2	0	3	120	12467	2	0	3	126					
		T4FT	10612	2	0	3	108	11074	2	0	3	112	11074	2	0	3	112	10959	2	0	3	111	11535	2	0	3	117					
		T5	11801	2	0	2	120	12315	2	0	2	125	12315	2	0	2	125	12186	2	0	2	124	12828	2	0	2	130					
		T5LG	11840	2	0	2	120	12355	2	0	2	125	12355	2	0	2	125	12226	2	0	2	124	12869	2	0	2	131					
T5W	10875	3	0	3	110	11348	3	0	3	115	11348	3	0	3	115	11230	3	0	3	114	11821	3	0	3	120							
T5WW	10274	3	0	3	104	10721	3	0	3	109	10721	3	0	3	109	10609	3	0	3	108	11167	3	0	3	113							
FN	13299	4	0	4	135	13877	4	0	4	141	13877	4	0	4	141	13733	4	0	4	139	14456	4	0	4	147							
FM	13384	4	0	3	136	13966	4	0	3	142	13966	4	0	3	142	13820	4	0	3	140	14548	4	0	3	148							
FW	13338	3	0	3	135	13918	3	0	3	141	13918	3	0	3	141	13773	3	0	3	140	14498	3	0	3	147							
96LD	530 mA (152.1W)	T1	17506	3	0	3	115	18267	3	0	3	120	18267	3	0	3	120	18077	3	0	3	119	19028	3	0	3	125					
		T2	18442	3	0	4	121	19244	3	0	4	127	19244	3	0	4	127	19044	3	0	4	125	20046	3	0	5	132					
		T3R	17486	2	0	3	115	18246	3	0	3	120	18246	3	0	3	120	18056	3	0	3	119	19006	3	0	3	125					
		T3	17621	2	0	3	116	18387	2	0	3	121	18387	2	0	3	121	18196	2	0	3	120	19153	2	0	3	126					
		T3W	17760	2	0	3	117	18532	2	0	3	122	18532	2	0	3	122	18339	2	0	3	121	19305	2	0	3	127					
		T3LG	17772	3	0	3	117	18545	3	0	3	122	18545	3	0	3	122	18351	3	0	3	121	19317	3	0	3	127					
		T4	15998	2	0	3	105	16693	2	0	3	110	16693	2	0	3	110	16519	2	0	3	109	17389	2	0	3	114					
		T4A	20714	2	0	3	136	21614	2	0	3	142	21614	2	0	3	142	21389	2	0	3	141	22515	3	0	3	148					
		T4LG	16961	3	0	3	112	17698	3	0	3	116	17698	3	0	3	116	17514	3	0	3	115	18436	3	0	3	121					
		T4FT	15693	2	0	3	103	16376	2	0	3	108	16376	2	0	3	108	16205	2	0	3	107	17058	2	0	3	112					
		T5	17452	3	0	3	115	18210	3	0	3	120	18210	3	0	3	120	18021	3	0	3	118	18969	3	0	3	125					
		T5LG	17509	3	0	2	115	18270	3	0	3	120	18270	3	0	3	120	18080	3	0	2	119	19031	3	0	3	125					
T5W	16082	3	0	3	106	16782	3	0	3	110	16782	3	0	3	110	16607	3	0	3	109	17481	3	0	3	115							
T5WW	15193	3	0	3	100	15853	3	0	3	104	15853	3	0	3	104	15688	3	0	3	103	16514	3	0	3	109							
FN	19667	5	0	5	129	20522	5	0	5	135	20522	5	0	5	135	20308	5	0	5	134	21377	5	0	5	141							
FM	19792	5	0	4	130	20652	5	0	4	136	20652	5	0	4	136	20437	5	0	4	134	21513	5	0	4	141							
FW	19724	3	0	3	130	20582	3	0	3	135	20582	3	0	3	135	20368	3	0	3	134	21440	4	0	3	141							
96LD	700 mA (203.8W)	T1	22277	4	0	4	109	23246	4	0	4	114	23246	4	0	4	114	23004	4	0	4	113	24214	4	0	4	119					
		T2	23468	3	0	5	115	24489	3	0	5	120	24489	3	0	5	120	24234	3	0	5	119	25509	3	0	5	125					
		T3R	22251	3	0	3	109	23219	3	0	4	114	23219	3	0	4	114	22977	3	0	3	113	24186	3	0	4	119					
		T3	22423	2	0	3	110	23398	2	0	3	115	23398	2	0	3	115	23155	2	0	3	114	24373	2	0	3	120					
		T3W	22601	2	0	4	111	23583	2	0	4	116	23583	2	0	4	116	23338	2	0	4	114	24566	2	0	4	121					
		T3LG	22615	3	0	4	111	23599	3	0	4	116	23599	3	0	4	116	23353	3	0	4	115	24582	3	0	4	121					
		T4	20358	3	0	3	100	21243	3	0	3	104	21243	3	0	3	104	21022	3	0	3	103	22128	3	0	3	109					
		T4A	26359	3	0	4	129	27505	3	0	4	135	27505	3	0	4	135	27218	3	0	4	134	28651	3	0	4	141					
		T4LG	21583	3	0	4	106	22522	3	0	4	110	22522	3	0	4	110	22287	3	0	4	109	23460	3	0	4	115					
		T4FT	19971	3	0	4	98	20839	3	0	4	102	20839	3	0	4	102	20622	3	0	4	101	21707	3	0	4	106					
		T5	22208	3	0	3	109	23173	3	0	3	114	23173	3	0	3	114	22932	3	0	3	112	24139	3	0	3	118					
		T5LG	22280	3	0	3	109	23249	3	0	3	114	23249	3	0	3	114	23007	3	0	3	113	24218	3	0	3	119					
T5W	20465	3	0	3	100	21355	3	0	3	105	21355	3	0	3	105	21133	3	0	3	104	22245	3	0	3	109							
T5WW	19333	3	0	3	95	20174	3	0	3	99	20174	3	0	3	99	19964	3	0	3	98	21014	3	0	4	103							
FN	25026	5	0	5	123	26115	5	0	5	128	26115	5	0	5	128	25843	5	0	5	127	27203	5	0	5	133							
FM	25186	5	0	5	124	26281	5	0	5	129	26281	5	0	5	129	26007	5	0	5	128	27376	5	0	5	134							
FW	25100	4	0	4	123	26191	4	0	4	128	26191	4	0	4	128	25919	4	0	4	127	27283	4	0	4	134							
96LD	1050 mA (314.4W)	T1	30021	4	0	4	95	31326	4	0	4	100	31326	4	0	4	100	31000	4	0	4	99	32631	4	0	4	104					
		T2	31626	3	0	5	101	33001	3	0	5	105	33001	3	0	5	105	32658	3	0	5	104	34376	3	0	5	109					
		T3R	29986	3	0	4	95	31289	3	0	4	100	31289	3	0	4	100	30963	3	0	4	98	32593	3	0	4	104					
		T3	30218	2	0	4	96	31532	2	0	4	100	31532	2	0	4	100	31203	2	0	4	99	32846	2	0	4	104					
		T3W	30457	3	0	4	97	31781	3	0	4	101	31781	3	0	4	101	31450	3	0	4	100	33105	3	0	4	105					
		T3LG	30477	3	0	5	97	31802	3	0	5	101	31802	3	0	5	101	31470	3	0	5	100	33127	3	0	5	105					
		T4	27434	3	0	4	87	28627	3	0	4	91	28627	3	0	4	91	28329	3	0	4	90	29820	3	0	4	95					
		T4A	35521	3	0	5	113	37066	3	0	5	118	37066	3	0	5	118	36679														

VLX-1-CLS LED SPECIFICATIONS / Forward Optics																																
Lad Count	Current & Watts	Distribution Type																														
			27K					30K					70CRI					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW					
128LD	350 mA (131.5W)	T1	15593	3	0	3	119	16271	3	0	3	124	16271	3	0	3	124	16102	3	0	3	122	16949	3	0	3	129					
		T2	16427	3	0	4	125	17141	3	0	4	130	17141	3	0	4	130	16963	3	0	4	129	17855	3	0	4	136					
		T3R	15575	2	0	3	118	16252	2	0	3	124	16252	2	0	3	124	16083	2	0	3	122	16929	2	0	3	129					
		T3	15695	2	0	3	119	16378	2	0	3	125	16378	2	0	3	125	16207	2	0	3	123	17060	2	0	3	130					
		T3W	15819	2	0	3	120	16507	2	0	3	126	16507	2	0	3	126	16335	2	0	3	124	17195	2	0	3	131					
		T3LG	15830	2	0	3	120	16518	2	0	3	126	16518	2	0	3	126	16346	2	0	3	124	17206	2	0	3	131					
		T4	14250	2	0	3	108	14869	2	0	3	113	14869	2	0	3	113	14714	2	0	3	112	15489	2	0	3	118					
		T4A	18450	2	0	3	140	19252	2	0	3	146	19252	2	0	3	146	19052	2	0	3	145	20054	2	0	3	153					
		T4LG	15107	2	0	3	115	15764	2	0	3	120	15764	2	0	3	120	15600	2	0	3	119	16421	2	0	3	125					
		T4FT	13979	2	0	3	106	14586	2	0	3	111	14586	2	0	3	111	14434	2	0	3	110	15194	2	0	3	116					
		T5	15545	3	0	2	118	16220	3	0	2	123	16220	3	0	2	123	16051	3	0	2	122	16896	3	0	3	128					
		T5LG	15595	3	0	2	119	16273	3	0	2	124	16273	3	0	2	124	16104	3	0	2	122	16951	3	0	2	129					
		T5W	14325	3	0	3	109	14948	3	0	3	114	14948	3	0	3	114	14792	3	0	3	112	15570	3	0	3	118					
		T5WW	13532	3	0	3	103	14121	3	0	3	107	14121	3	0	3	107	13974	3	0	3	106	14709	3	0	3	112					
		FN	17517	4	0	4	133	18279	4	0	4	139	18279	4	0	4	139	18089	4	0	4	138	19041	5	0	4	145					
		FM	17629	4	0	4	134	18395	4	0	4	140	18395	4	0	4	140	18204	4	0	4	138	19162	5	0	4	146					
FW	17569	3	0	3	134	18333	3	0	3	139	18333	3	0	3	139	18142	3	0	3	138	19097	3	0	3	145							
128LD	530 mA (202.8W)	T1	23053	4	0	4	114	24055	4	0	4	119	24055	4	0	4	119	23804	4	0	4	117	25057	4	0	4	124					
		T2	24285	3	0	5	120	25341	3	0	5	125	25341	3	0	5	125	25077	3	0	5	124	26397	3	0	5	130					
		T3R	23026	3	0	4	114	24027	3	0	4	118	24027	3	0	4	118	23776	3	0	4	117	25028	3	0	4	123					
		T3	23204	2	0	3	114	24213	2	0	3	119	24213	2	0	3	119	23961	2	0	3	118	25222	2	0	4	124					
		T3W	23387	2	0	4	115	24404	2	0	4	120	24404	2	0	4	120	24150	2	0	4	119	25421	2	0	4	125					
		T3LG	23403	3	0	4	115	24420	3	0	4	120	24420	3	0	4	120	24166	3	0	4	119	25438	3	0	4	125					
		T4	21066	3	0	3	104	21982	3	0	3	108	21982	3	0	3	108	21753	3	0	3	107	22898	3	0	3	113					
		T4A	27276	3	0	4	135	28462	3	0	4	140	28462	3	0	4	140	28166	3	0	4	139	29648	3	0	4	146					
		T4LG	22334	3	0	4	110	23306	3	0	4	115	23306	3	0	4	115	23063	3	0	4	114	24277	3	0	4	120					
		T4FT	20666	3	0	4	102	21564	3	0	4	106	21564	3	0	4	106	21340	3	0	4	105	22463	3	0	4	111					
		T5	22981	3	0	3	113	23980	3	0	3	118	23980	3	0	3	118	23730	3	0	3	117	24979	3	0	3	123					
		T5LG	23056	3	0	3	114	24058	3	0	3	119	24058	3	0	3	119	23808	3	0	3	117	25061	3	0	3	124					
		T5W	21178	3	0	3	104	22098	3	0	3	109	22098	3	0	3	109	21868	3	0	3	108	23019	3	0	4	114					
		T5WW	20006	3	0	3	99	20876	3	0	4	103	20876	3	0	4	103	20659	3	0	4	102	21746	3	0	4	107					
		FN	25898	5	0	5	128	27024	5	0	5	133	27024	5	0	5	133	26742	5	0	5	132	28150	5	0	5	139					
		FM	26062	5	0	5	129	27196	5	0	5	134	27196	5	0	5	134	26912	5	0	5	133	28329	5	0	5	140					
FW	25974	4	0	4	128	27103	4	0	4	134	27103	4	0	4	134	26821	4	0	4	132	28232	4	0	4	139							
128LD	700 mA (271.8W)	T1	29335	4	0	4	108	30611	4	0	4	113	30611	4	0	4	113	30292	4	0	4	111	31886	4	0	4	117					
		T2	30904	3	0	5	114	32248	3	0	5	119	32248	3	0	5	119	31912	3	0	5	117	33591	3	0	5	124					
		T3R	29301	3	0	4	108	30575	3	0	4	112	30575	3	0	4	112	30256	3	0	4	111	31849	3	0	4	117					
		T3	29528	2	0	4	109	30812	2	0	4	113	30812	2	0	4	113	30491	2	0	4	112	32096	2	0	4	118					
		T3W	29761	3	0	4	109	31055	3	0	4	114	31055	3	0	4	114	30732	3	0	4	113	32349	3	0	4	119					
		T3LG	29781	3	0	5	110	31075	3	0	5	114	31075	3	0	5	114	30752	3	0	5	113	32370	3	0	5	119					
		T4	26808	3	0	4	99	27973	3	0	4	103	27973	3	0	4	103	27682	3	0	4	102	29139	3	0	4	107					
		T4A	34710	3	0	5	128	36219	3	0	5	133	36219	3	0	5	133	35842	3	0	5	132	37728	3	0	5	139					
		T4LG	28421	3	0	5	105	29657	3	0	5	109	29657	3	0	5	109	29348	3	0	5	108	30893	3	0	5	114					
		T4FT	26298	3	0	4	97	27441	3	0	4	101	27441	3	0	4	101	27155	3	0	4	100	28585	3	0	4	105					
		T5	29244	4	0	3	108	30515	4	0	3	112	30515	4	0	3	112	30198	4	0	3	111	31787	4	0	3	117					
		T5LG	29339	4	0	3	108	30615	4	0	3	113	30615	4	0	3	113	30296	4	0	3	111	31891	4	0	3	117					
		T5W	26949	4	0	4	99	28121	4	0	4	103	28121	4	0	4	103	27828	4	0	4	102	29293	4	0	4	108					
		T5WW	25459	4	0	4	94	26566	4	0	4	98	26566	4	0	4	98	26289	4	0	4	97	27672	4	0	4	102					
		FN	32956	5	0	5	121	34388	5	0	5	127	34388	5	0	5	127	34030	5	0	5	125	35821	5	0	5	132					
		FM	33165	5	0	5	122	34607	5	0	5	127	34607	5	0	5	127	34247	5	0	5	126	36049	5	0	5	133					
FW	33053	4	0	4	122	34490	4	0	5	127	34490	4	0	5	127	34130	4	0	4	126	35927	4	0	5	132							
128LD	1050 mA (419.2W)	T1	39532	4	0	5	94	41251	5	0	5	98	41251	5	0	5	98	40822	5	0	5	97	42970	5	0	5	103					
		T2	41646	4	0	5	99	43457	4	0	5	104	43457	4	0	5	104	43004	4	0	5	103	45268	4	0	5	108					
		T3R	39486	3	0	5	94	41203	3	0	5	98	41203	3	0	5	98	40774	3	0	5	97	42920	3	0	5	102					
		T3	39792	3	0	5	95	41522	3	0	5	99	41522	3	0	5	99	41090	3	0	5	98	43252	3	0	5	103					
		T3W	40106	3	0	5	96	41850	3	0	5	100	41850	3	0	5	100	41414	3	0	5	99	43594	3	0	5	104					
		T3LG	40133	3	0	5	96	41877	3	0	5	100	41877	3	0	5	100	41441	3	0	5	99	43622	3	0	5	104					
		T4	36126	3	0	4	86	37697	3	0	5	90	37697	3	0	5	90	37304	3	0	5	89	39268	3	0	5	94					
		T4A	46775	3	0	5	112	48809	3	0	5	116	48809	3	0	5	116	48301	3	0												

VLX-1-CLS LED SPECIFICATIONS / Forward Optics																											
Lad Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
160LD	350 mA (164.3W)	T1	19358	3	0	3	118	20200	4	0	4	123	20200	4	0	4	123	19989	3	0	3	122	21041	4	0	4	128
		T2	20393	3	0	5	124	21280	3	0	5	129	21280	3	0	5	129	21058	3	0	5	128	22167	3	0	5	135
		T3R	19335	3	0	3	118	20176	3	0	3	123	20176	3	0	3	123	19966	3	0	3	121	21017	3	0	3	128
		T3	19485	2	0	3	119	20332	2	0	3	124	20332	2	0	3	124	20121	2	0	3	122	21180	2	0	3	129
		T3W	19639	2	0	3	120	20493	2	0	3	125	20493	2	0	3	125	20280	2	0	3	123	21347	2	0	3	130
		T3LG	19652	3	0	4	120	20506	3	0	4	125	20506	3	0	4	125	20293	3	0	4	123	21361	3	0	4	130
		T4	17690	2	0	3	108	18459	3	0	3	112	18459	3	0	3	112	18267	3	0	3	111	19228	3	0	3	117
		T4A	22905	3	0	4	139	23901	3	0	4	145	23901	3	0	4	145	23652	3	0	4	144	24897	3	0	4	152
		T4LG	18755	3	0	3	114	19571	3	0	4	119	19571	3	0	4	119	19367	3	0	4	118	20386	3	0	4	124
		T4FT	17354	2	0	3	106	18108	2	0	3	110	18108	2	0	3	110	17920	2	0	3	109	18863	3	0	3	115
		T5	19298	3	0	3	117	20137	3	0	3	123	20137	3	0	3	123	19927	3	0	3	121	20976	3	0	3	128
		T5LG	19361	3	0	3	118	20203	3	0	3	123	20203	3	0	3	123	19992	3	0	3	122	21044	3	0	3	128
		T5W	17784	3	0	3	108	18557	3	0	3	113	18557	3	0	3	113	18364	3	0	3	112	19330	3	0	3	118
		T5WW	16800	3	0	3	102	17530	3	0	3	107	17530	3	0	3	107	17348	3	0	3	106	18261	3	0	3	111
		FN	21747	5	0	5	132	22693	5	0	5	138	22693	5	0	5	138	22456	5	0	5	137	23638	5	0	5	144
		FM	21886	5	0	4	133	22837	5	0	4	139	22837	5	0	4	139	22599	5	0	4	138	23789	5	0	5	145
		FW	21811	4	0	3	133	22760	4	0	3	138	22760	4	0	3	138	22522	4	0	3	137	23708	4	0	4	144
		160LD	530 mA (253.5W)	T1	28626	4	0	4	113	29871	4	0	4	118	29871	4	0	4	118	29560	4	0	4	117	31116	4	0
T2	30157			3	0	5	119	31468	3	0	5	124	31468	3	0	5	124	31141	3	0	5	123	32779	3	0	5	129
T3R	28593			3	0	4	113	29836	3	0	4	118	29836	3	0	4	118	29525	3	0	4	116	31079	3	0	4	123
T3	28814			2	0	4	114	30067	2	0	4	119	30067	2	0	4	119	29754	2	0	4	117	31320	2	0	4	124
T3W	29042			3	0	4	115	30305	3	0	4	120	30305	3	0	4	120	29989	3	0	4	118	31567	3	0	4	125
T3LG	29061			3	0	4	115	30324	3	0	5	120	30324	3	0	5	120	30009	3	0	5	118	31588	3	0	5	125
T4	26160			3	0	4	103	27297	3	0	4	108	27297	3	0	4	108	27013	3	0	4	107	28435	3	0	4	112
T4A	33871			3	0	4	134	35344	3	0	5	139	35344	3	0	5	139	34976	3	0	5	138	36816	3	0	5	145
T4LG	27735			3	0	4	109	28940	3	0	5	114	28940	3	0	5	114	28639	3	0	5	113	30146	3	0	5	119
T4FT	25662			3	0	4	101	26778	3	0	4	106	26778	3	0	4	106	26499	3	0	4	105	27894	3	0	4	110
T5	28537			3	0	3	113	29778	4	0	3	117	29778	4	0	3	117	29468	4	0	3	116	31019	4	0	3	122
T5LG	28630			4	0	3	113	29875	4	0	3	118	29875	4	0	3	118	29564	4	0	3	117	31120	4	0	3	123
T5W	26298			3	0	4	104	27441	4	0	4	108	27441	4	0	4	108	27156	4	0	4	107	28655	4	0	4	113
T5WW	24843			4	0	4	98	25923	4	0	4	102	25923	4	0	4	102	25653	4	0	4	101	27004	4	0	4	107
FN	32159			5	0	5	127	33557	5	0	5	132	33557	5	0	5	132	33208	5	0	5	131	34956	5	0	5	138
FM	32364			5	0	5	128	33771	5	0	5	133	33771	5	0	5	133	33419	5	0	5	132	35178	5	0	5	139
FW	32254			4	0	4	127	33656	4	0	4	133	33656	4	0	4	133	33306	4	0	4	131	35059	4	0	5	138
160LD	700 mA (339.7W)			T1	36428	4	0	5	107	38012	4	0	5	112	38012	4	0	5	112	37616	4	0	5	111	39596	4	0
		T2	38376	3	0	5	113	40045	3	0	5	118	40045	3	0	5	118	39627	3	0	5	117	41713	4	0	5	123
		T3R	36385	3	0	5	107	37967	3	0	5	112	37967	3	0	5	112	37572	3	0	5	111	39549	3	0	5	116
		T3	36667	3	0	4	108	38261	3	0	5	113	38261	3	0	5	113	37863	3	0	5	111	39856	3	0	5	117
		T3W	36957	3	0	5	109	38564	3	0	5	114	38564	3	0	5	114	38162	3	0	5	112	40170	3	0	5	118
		T3LG	36981	3	0	5	109	38589	3	0	5	114	38589	3	0	5	114	38187	3	0	5	112	40197	3	0	5	118
		T4	33289	3	0	4	98	34737	3	0	4	102	34737	3	0	4	102	34375	3	0	4	101	36184	3	0	4	107
		T4A	43102	3	0	5	127	44976	3	0	5	132	44976	3	0	5	132	44508	3	0	5	131	46850	3	0	5	138
		T4LG	35293	3	0	5	104	36828	3	0	5	108	36828	3	0	5	108	36444	3	0	5	107	38362	3	0	5	113
		T4FT	32656	3	0	5	96	34076	3	0	5	100	34076	3	0	5	100	33721	3	0	5	99	35496	3	0	5	104
		T5	36315	4	0	4	107	37894	4	0	4	112	37894	4	0	4	112	37499	4	0	4	110	39472	4	0	4	116
		T5LG	36433	4	0	3	107	38017	4	0	3	112	38017	4	0	3	112	37621	4	0	3	111	39601	4	0	3	117
		T5W	33465	4	0	4	99	34920	4	0	4	103	34920	4	0	4	103	34557	4	0	4	102	36375	4	0	4	107
		T5WW	31614	4	0	4	93	32989	4	0	5	97	32989	4	0	5	97	32645	4	0	5	96	34363	4	0	5	101
		FN	40924	5	0	5	120	42703	5	0	5	126	42703	5	0	5	126	42258	5	0	5	124	44482	5	0	5	131
		FM	41184	5	0	5	121	42975	5	0	5	126	42975	5	0	5	126	42527	5	0	5	125	44765	5	0	5	132
		FW	41044	4	0	5	121	42829	5	0	5	126	42829	5	0	5	126	42383	5	0	5	125	44613	5	0	5	131
		160LD	1050 mA (524.0W)	T1	49091	5	0	5	94	51225	5	0	5	98	51225	5	0	5	98	50691	5	0	5	97	53359	5	0
T2	51716			4	0	5	99	53964	4	0	5	103	53964	4	0	5	103	53402	4	0	5	102	56213	4	0	5	107
T3R	49033			4	0	5	94	51165	4	0	5	98	51165	4	0	5	98	50632	4	0	5	97	53297	4	0	5	102
T3	49413			3	0	5	94	51561	3	0	5	98	51561	3	0	5	98	51024	3	0	5	97	53710	3	0	5	103
T3W	49803			3	0	5	95	51969	3	0	5	99	51969	3	0	5	99	51427	3	0	5	98	54134	3	0	5	103
T3LG	49836			4	0	5	95	52003	4	0	5	99	52003	4	0	5	99	51461	4	0	5	98	54169	4	0	5	103
T4	44861			3	0	5	86	46811	4	0	5	89	46811	4	0	5	89	46324	4	0	5	88	48762	4	0	5	93
T4A	58085			4	0	5	111	60610	4	0	5	116	60610	4	0	5	116	59979	4	0	5	114	63136	4	0	5	120
T4LG	47561			4	0																						

VLX-1-CLS LED SPECIFICATIONS / Forward Optics																											
Led Count	Current & Watts	Distribution Type	70CRI																								
			27K					30K					35K					40K					50K				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
192LD	350 mA (197.2W)	T1	22931	4	0	4	116	23928	4	0	4	121	23928	4	0	4	121	23679	4	0	4	120	24925	4	0	4	126
		T2	24157	3	0	5	123	25208	3	0	5	128	25208	3	0	5	128	24945	3	0	5	126	26258	3	0	5	133
		T3R	22904	3	0	3	116	23900	3	0	4	121	23900	3	0	4	121	23651	3	0	4	120	24896	3	0	4	126
		T3	23082	2	0	3	117	24085	2	0	3	122	24085	2	0	3	122	23834	2	0	3	121	25089	2	0	3	127
		T3W	23264	2	0	4	118	24276	2	0	4	123	24276	2	0	4	123	24023	2	0	4	122	25267	2	0	4	128
		T3LG	23279	3	0	4	118	24291	3	0	4	123	24291	3	0	4	123	24038	3	0	4	122	25304	3	0	4	128
		T4	20955	3	0	3	106	21866	3	0	3	111	21866	3	0	3	111	21639	3	0	3	110	22778	3	0	3	116
		T4A	27133	3	0	4	138	28312	3	0	4	144	28312	3	0	4	144	28017	3	0	4	142	29492	3	0	4	150
		T4LG	22217	3	0	4	113	23183	3	0	4	118	23183	3	0	4	118	22941	3	0	4	116	24149	3	0	4	122
		T4FT	20557	3	0	4	104	21451	3	0	4	109	21451	3	0	4	109	21227	3	0	4	108	22344	3	0	4	113
		T5	22860	3	0	3	116	23854	3	0	3	121	23854	3	0	3	121	23605	3	0	3	120	24848	3	0	3	126
		T5LG	22934	3	0	3	116	23932	3	0	3	121	23932	3	0	3	121	23682	3	0	3	120	24929	3	0	3	126
		T5W	21066	3	0	3	107	21982	3	0	3	111	21982	3	0	3	111	21753	3	0	3	110	22998	3	0	4	116
		T5WW	19901	3	0	3	101	20766	3	0	4	105	20766	3	0	4	105	20550	3	0	4	104	21631	3	0	4	110
		FN	25761	5	0	5	131	26881	5	0	5	136	26881	5	0	5	136	26601	5	0	5	135	28001	5	0	5	142
		FM	25925	5	0	5	131	27052	5	0	5	137	27052	5	0	5	137	26771	5	0	5	136	28180	5	0	5	143
FW	25837	4	0	4	131	26960	4	0	4	137	26960	4	0	4	137	26680	4	0	4	135	28084	4	0	4	142		
192LD	530 mA (304.1W)	T1	33910	4	0	5	111	35384	4	0	5	116	35384	4	0	5	116	35016	4	0	5	115	36859	4	0	5	121
		T2	35723	3	0	5	117	37277	3	0	5	123	37277	3	0	5	123	36888	3	0	5	121	38830	3	0	5	128
		T3R	33870	3	0	4	111	35343	3	0	5	116	35343	3	0	5	116	34975	3	0	5	115	36816	3	0	5	121
		T3	34133	2	0	4	112	35617	2	0	4	117	35617	2	0	4	117	35246	2	0	4	116	37101	3	0	4	122
		T3W	34402	3	0	5	113	35988	3	0	5	118	35988	3	0	5	118	35524	3	0	5	117	37394	3	0	5	123
		T3LG	34425	3	0	5	113	35922	3	0	5	118	35922	3	0	5	118	35547	3	0	5	117	37418	3	0	5	123
		T4	30988	3	0	4	102	32336	3	0	4	106	32336	3	0	4	106	31999	3	0	4	105	33683	3	0	4	111
		T4A	40123	3	0	5	132	41867	3	0	5	138	41867	3	0	5	138	41431	3	0	5	136	43612	3	0	5	143
		T4LG	32854	3	0	5	108	34282	3	0	5	113	34282	3	0	5	113	33925	3	0	5	112	35711	3	0	5	117
		T4FT	30399	3	0	5	100	31721	3	0	5	104	31721	3	0	5	104	31390	3	0	5	103	33042	3	0	5	109
		T5	33805	4	0	4	111	35274	4	0	4	116	35274	4	0	4	116	34907	4	0	4	115	36744	4	0	4	121
		T5LG	33915	4	0	3	112	35389	4	0	3	116	35389	4	0	3	116	35021	4	0	3	115	36984	4	0	3	121
		T5W	31152	4	0	4	102	32506	4	0	4	107	32506	4	0	4	107	32168	4	0	4	106	33861	4	0	4	111
		T5WW	29429	4	0	4	97	30708	4	0	4	101	30708	4	0	4	101	30388	4	0	4	100	31988	4	0	4	105
		FN	38095	5	0	5	125	39751	5	0	5	131	39751	5	0	5	131	39337	5	0	5	129	41408	5	0	5	136
		FM	38338	5	0	5	126	40004	5	0	5	132	40004	5	0	5	132	39588	5	0	5	130	41671	5	0	5	137
FW	38207	4	0	5	126	39868	4	0	5	131	39868	4	0	5	131	39453	4	0	5	130	41529	5	0	5	137		
192LD	700 mA (407.7 W)	T1	43152	5	0	5	106	45028	5	0	5	110	45028	5	0	5	110	44559	5	0	5	109	46904	5	0	5	115
		T2	45459	4	0	5	112	47436	4	0	5	116	47436	4	0	5	116	46942	4	0	5	115	49412	4	0	5	121
		T3R	43101	3	0	5	106	44975	4	0	5	110	44975	4	0	5	110	44507	4	0	5	109	46849	4	0	5	115
		T3	43435	3	0	5	107	45324	3	0	5	111	45324	3	0	5	111	44852	3	0	5	110	47212	3	0	5	116
		T3W	43778	3	0	5	107	45682	3	0	5	112	45682	3	0	5	112	45206	3	0	5	111	47585	3	0	5	117
		T3LG	43807	3	0	5	107	45712	4	0	5	112	45712	4	0	5	112	45235	4	0	5	111	47616	4	0	5	117
		T4	39434	3	0	5	97	41148	3	0	5	101	41148	3	0	5	101	40720	3	0	5	100	42863	3	0	5	105
		T4A	51058	3	0	5	125	53278	3	0	5	131	53278	3	0	5	131	52723	3	0	5	129	55498	4	0	5	136
		T4LG	41808	4	0	5	103	43625	4	0	5	107	43625	4	0	5	107	43171	4	0	5	106	45443	4	0	5	111
		T4FT	38684	3	0	5	95	40366	3	0	5	99	40366	3	0	5	99	39945	3	0	5	98	42048	3	0	5	103
		T5	43018	4	0	4	106	44888	4	0	4	110	44888	4	0	4	110	44420	4	0	4	109	46758	4	0	4	115
		T5LG	43158	4	0	4	106	45034	4	0	4	110	45034	4	0	4	110	44565	4	0	4	109	46911	5	0	4	115
		T5W	39642	4	0	5	97	41366	4	0	5	101	41366	4	0	5	101	40935	4	0	5	100	43089	4	0	5	106
		T5WW	37449	4	0	5	92	39078	4	0	5	96	39078	4	0	5	96	38670	4	0	5	95	40706	4	0	5	100
		FN	48477	5	0	5	119	50585	5	0	5	124	50585	5	0	5	124	50058	5	0	5	123	52693	5	0	5	129
		FM	48786	5	0	5	120	50907	5	0	5	125	50907	5	0	5	125	50377	5	0	5	124	53028	5	0	5	130
FW	48620	5	0	5	119	50734	5	0	5	124	50734	5	0	5	124	50205	5	0	5	123	52848	5	0	5	130		
192LD	1050 mA (628.8W)	T1	58152	5	0	5	92	60680	5	0	5	97	60680	5	0	5	97	60048	5	0	5	95	63208	5	0	5	101
		T2	61261	4	0	5	97	63925	4	0	5	102	63925	4	0	5	102	63259	4	0	5	101	66588	4	0	5	106
		T3R	58083	4	0	5	92	60609	4	0	5	96	60609	4	0	5	96	59977	4	0	5	95	63134	4	0	5	100
		T3	58533	3	0	5	93	61078	3	0	5	97	61078	3	0	5	97	60442	3	0	5	96	63623	3	0	5	101
		T3W	58996	3	0	5	94	61561	3	0	5	98	61561	3	0	5	98	60920	3	0	5	97	64126	4	0	5	102
		T3LG	59034	4	0	5	94	61601	4	0	5	98	61601	4	0	5	98	60959	4	0	5	97	64168	4	0	5	102
		T4	53141	4	0	5	85	55452	4	0	5	88	55452	4	0	5	88	54874	4	0	5	87	57762	4	0	5	92
		T4A	68806	4	0	5	109	71798	4	0	5	114	71798	4	0	5	114	71050	4	0	5	113	74789	4	0	5	119
		T4LG	56340	4	0</																						