

C-BOW-2 LED Specifications

Architectural - Site - Outdoor



The Cross Bow LED Series continues the unique contemporary design inspired by the sleek styling of the BOW Collection. Separating the Driver(s) from the individual die-cast aluminum linear LED engines optimizes the life of the LEDs and the Driver(s) and maximizes the lumen output of the fixture.

Each of the individual LED light engines comes with 32 LEDs for a maximum total of 64 LEDs. Choose between 2700, 3000, 3500, 4000 or 5000 Kelvin temperature of the LEDs. Seventeen optical distribution patterns are available and CRI options of 70, 80 or 90.

The Cross Bow LED Series offers an impressive output of up to 30,000+ lumens with a wattage package reaching up to 241 watts, delivering an average efficiency of 137 lumens per watt. With integrated controls, the Cross Bow LED Series 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 Cross Bow LED series stands out as an excellent choice for illuminating architectural area spaces, enhancing both aesthetics and functionality in any environment.

Project Name:

Catalog Number:

Type:

Date:

Location:

MODEL	HEIGHT	OPTICS		LEDs	CURRENT	
C-BOW-2	9 9' 10 10' 11 11'	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	32LD Single 64LD Double	3 350mA 5 530mA 7 700mA 10 1050mA 12 1200mA	
CCT	VOLTAGE	MOUNTING	FINISH	CONTROL OPTIONS	SHIELD OPTIONS	OPTIONS
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	UNV 120-277V	AB Anchor Base (ANCHOR BOLT KIT SUPPLIED)	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	PC-120 PC-208 PC-240 PC-277 Button Type Photocell DIM 0-10v Dimming Driver DTO Dim To Off	CLS Backside cutoff shield RCLS Rightside cutoff shield LCLS Leftside cutoff shield BHS House shield	DS Decorative Shroud ROT-R Rotated Optics Right Side ROT-L Rotated Optics Left Side BBG Bird Spikes GFI GFI Receptacle *Standard location is in hand hole. *Specify GFI location if different from hand hole location. Supplied with in use cover. USB USB Receptacle *Specify location. Supplied with in use cover. BAA Buy America(n) Act Compliant

Housing

The LED light engines are constructed of heavy-duty, die-cast aluminum, with external heat radiating fins. The 4" extruded pole contains the driver(s), allowing for cooler operation and longer life. Silicone gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

The Cross Bow Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the Cross Bow Series to withstand higher ambient temperatures and drive currents without degrading LED life. The Cross BOW Series has a very low thermal resistance rating.

Optical System

The highest lumen output, LEDs are utilized in the Cross Bow Series. Seventeen optical distribution pattern are available. Select from 2700K, 3000K, 3500K, 4000K, or 5000K color temperatures and 70, 80, or 90 CRI options to achieve the perfect balance of visual comfort and design intent.

Quali-Guard® Finish

The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 mils thickness. Finish is oven-baked at 400 °F to promote maximum adherence and finish hardness.

- All finishes are available in standard and custom colors.
- Optional Zinc-Free Primer - Recommended within three miles of the ocean
- Finish is guaranteed for five (5) years.

Mounting

The Cross Bow Luminaire is easily attached to the pole by 2 tamper-proof countersunk screws.

Electrical Assembly

The Cross Bow Series is supplied with a choice of 350 to 1050 mA high-performance LED drivers that accept 120v 50 Hz to 60 Hz, input. 10 kV surge protector supplied as standard.

Warranty

Five (5) year Limited Warranty on electrical components, Five (5) year on finish. For full warranty information, please visit visionairelighting.com.

Options

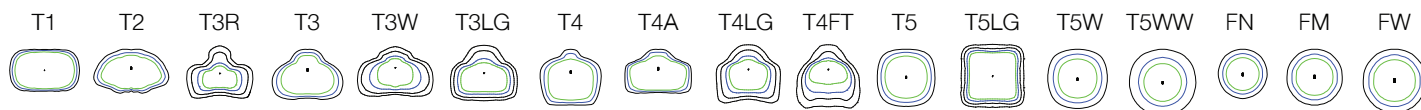
Button Type Photocell
0-10v Dimming Driver

Listings

Cross Bow Series is UL listed, suitable for wet locations.
RoHS compliant
IP66 rated
Powder Coated Tough™



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

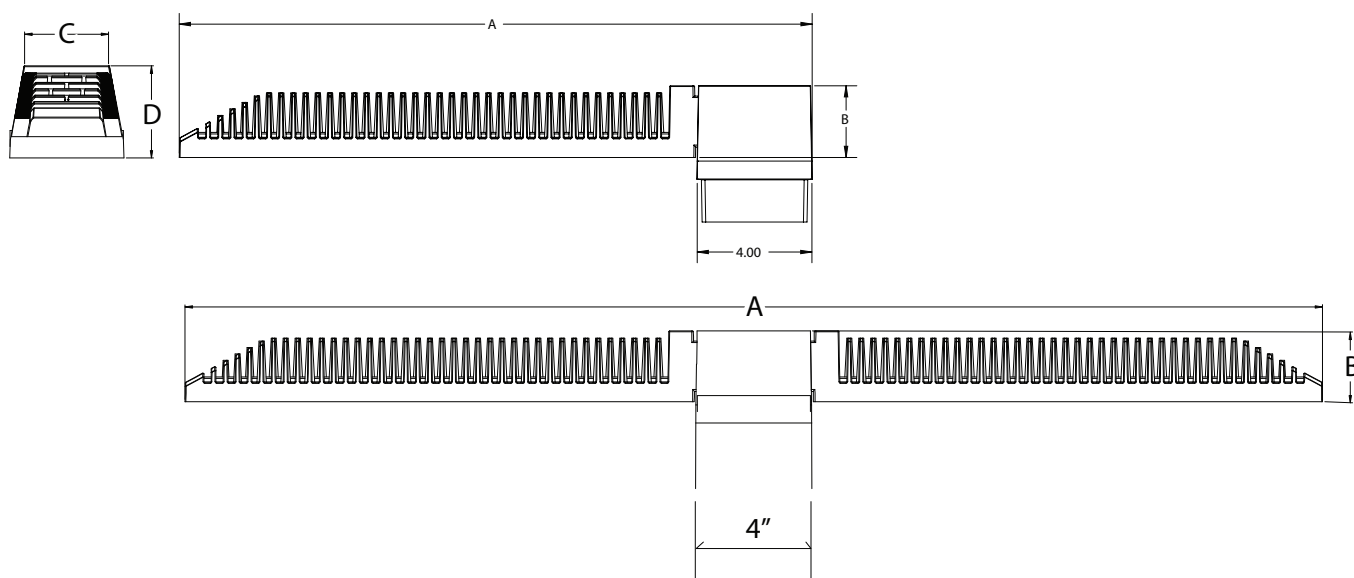
C-BOW-2-32LC	
EPA	0.3 ft ²
C-BOW-2-64LC	
EPA	0.5 ft ²

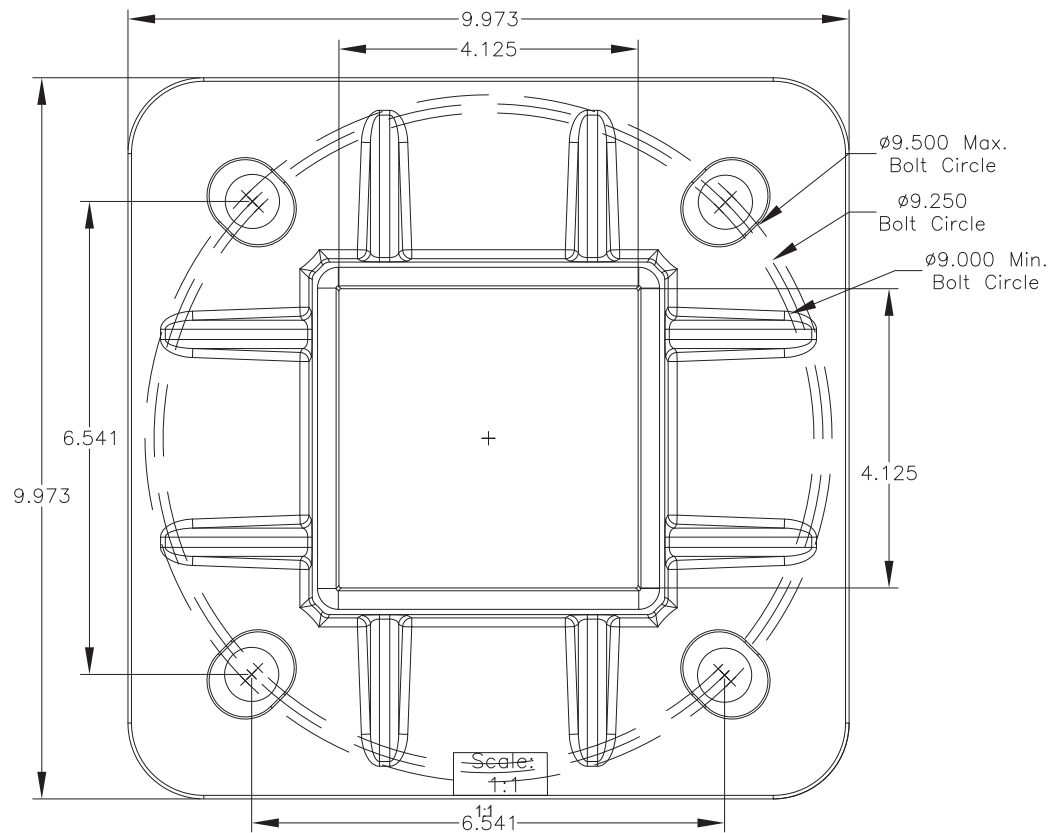
Dimensions**Single**

Width:	C-BOW-2 4"
Height:	C-BOW-2 2.5"
Depth:	C-BOW-2 22"

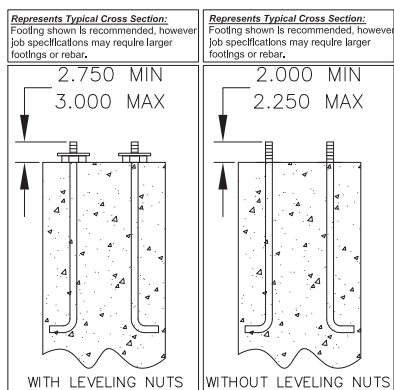
Double

Width:	C-BOW-2 4"
Height:	C-BOW-2 2.5"
Depth:	C-BOW-2 40"





Akron Base Template:
Aluminum Shaft 4" Square
for $\frac{3}{4}$ Anchor Bolts



C-BOW-2 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
32LD	350 mA (32.9W)	T1	4109	2	0	2	125	4279	2	0	2	130	4279	2	0	2	130	4257	2	0	2	130	4466	2	0	2	136
		T2	4220	1	0	2	128	4587	1	0	2	140	4587	1	0	2	140	4562	1	0	2	139	4787	1	0	2	146
		T3R	4221	1	0	1	128	4588	1	0	2	140	4588	1	0	2	140	4563	1	0	2	139	4787	1	0	2	146
		T3	4271	1	0	1	130	4643	1	0	1	141	4643	1	0	1	141	4618	1	0	1	141	4845	1	0	1	147
		T3W	4363	1	0	1	133	4742	1	0	1	144	4742	1	0	1	144	4717	1	0	1	144	4949	1	0	1	151
		T3LG	4130	1	0	1	126	4302	1	0	1	131	4302	1	0	1	131	4279	1	0	1	130	4490	1	0	1	137
		T4	4184	1	0	1	127	4548	1	0	1	138	4548	1	0	1	138	4523	1	0	1	138	4746	1	0	1	144
		T4A	4568	1	0	1	139	4966	1	0	1	151	4966	1	0	1	151	4939	1	0	1	150	5182	1	0	1	158
		T4LG	4126	1	0	1	126	4298	1	0	1	131	4298	1	0	1	131	4275	1	0	1	130	4485	1	0	1	136
		T4FT	4475	1	0	2	136	4661	1	0	2	142	4661	1	0	2	142	4637	1	0	2	141	4865	1	0	2	148
		T5	4310	2	0	2	131	4685	2	0	2	143	4685	2	0	2	143	4660	2	0	2	142	4889	2	0	2	149
		T5LG	4331	2	0	2	132	4511	2	0	2	137	4511	2	0	2	137	4487	2	0	2	137	4708	2	0	2	143
		T5W	3887	2	0	2	118	4225	2	0	2	129	4225	2	0	2	129	4203	2	0	2	128	4409	2	0	2	134
		T5WW	3682	2	0	2	112	4002	2	0	2	122	4002	2	0	2	122	3980	2	0	2	121	4176	2	0	2	127
		FW	4137	2	0	1	126	4496	2	0	1	137	4496	2	0	1	137	4472	2	0	1	136	4692	2	0	1	143
		T1	6220	3	0	3	123	6478	3	0	3	128	6478	3	0	3	128	6444	3	0	3	127	6761	3	0	3	133
		T2	6388	2	0	2	126	6943	2	0	2	137	6943	2	0	2	137	6906	2	0	2	136	7246	2	0	2	143
		T3R	6389	1	0	2	126	6945	2	0	2	137	6945	2	0	2	137	6908	2	0	2	136	7247	2	0	2	143
		T3	6466	1	0	2	128	7029	1	0	2	139	7029	1	0	2	139	6991	1	0	2	138	7335	1	0	2	145
32LD	530 mA (50.7W)	T3W	6605	1	0	2	130	7179	1	0	2	142	7179	1	0	2	142	7141	1	0	2	141	7492	1	0	2	148
		T3LG	6253	1	0	1	123	6513	1	0	1	128	6513	1	0	1	128	6478	1	0	1	128	6796	1	0	1	134
		T4	6334	1	0	2	125	6884	2	0	2	136	6884	2	0	2	136	6848	2	0	2	135	7184	2	0	2	142
		T4A	6916	1	0	1	136	7517	1	0	1	148	7517	1	0	1	148	7477	1	0	1	148	7845	1	0	1	155
		T4LG	6246	1	0	1	123	6506	1	0	1	128	6506	1	0	1	128	6471	1	0	1	128	6789	1	0	1	134
		T4FT	6775	1	0	2	134	7056	1	0	2	139	7056	1	0	2	139	7019	1	0	2	138	7364	1	0	2	145
		T5	6525	3	0	3	129	7093	3	0	3	140	7093	3	0	3	140	7055	3	0	3	139	7402	3	0	3	146
		T5LG	6557	2	0	2	129	6829	2	0	2	135	6829	2	0	2	135	6793	2	0	2	134	7127	2	0	2	141
		T5W	5884	3	0	3	116	6396	3	0	3	126	6396	3	0	3	126	6362	3	0	3	126	6675	3	0	3	132
		T5WW	5573	3	0	3	110	6058	3	0	3	120	6058	3	0	3	120	6026	3	0	3	119	6322	3	0	3	125
		FW	6262	2	0	1	124	6807	2	0	1	134	6807	2	0	1	134	6770	2	0	1	134	7103	2	0	1	140
		T1	8059	3	0	3	119	8394	3	0	3	124	8394	3	0	3	124	8349	3	0	3	123	8760	3	0	3	129
		T2	8277	2	0	3	122	8996	2	0	3	132	8996	2	0	3	132	8949	2	0	3	132	9399	2	0	3	138
		T3R	8278	2	0	2	122	8996	2	0	2	132	8996	2	0	2	132	8950	2	0	2	132	9399	2	0	2	138
		T3	8378	1	0	2	123	9107	1	0	2	134	9107	1	0	2	134	9058	1	0	2	133	9504	1	0	2	140
		T3W	8558	1	0	2	126	9302	1	0	2	137	9302	1	0	2	137	9252	1	0	2	136	9707	1	0	2	143
		T3LG	8102	2	0	2	119	8438	2	0	2	124	8438	2	0	2	124	8393	2	0	2	124	8806	2	0	2	130
		T4	8206	2	0	2	121	8920	2	0	2	131	8920	2	0	2	131	8873	2	0	2	131	9309	2	0	2	137
		T4A	8961	2	0	1	132	9740	2	0	1	143	9740	2	0	1	143	9698	2	0	1	143	10164	2	0	1	150
		T4LG	8093	2	0	2	119	8429	2	0	2	124	8429	2	0	2	124	8385	2	0	2	123	8797	2	0	2	129
		T4FT	8778	2	0	2	129	9143	2	0	3	135	9143	2	0	3	135	9094	2	0	3	134	9541	2	0	3	140
32LD	700 mA (67.9W)	T5	8455	3	0	3	124	9190	3	0	3	135	9190	3	0	3	135	9141	3	0	3	135	9590	3	0	3	141
		T5LG	8496	3	0	3	125	8849	3	0	3	130	8849	3	0	3	130	8802	3	0	3	130	9234	3	0	3	136
		T5W	7624	3	0	3	112	8287	3	0	3	122	8287	3	0	3	122	8243	3	0	3	121	8648	3	0	3	127
		T5WW	7221	3	0	3	106	7849	3	0	3	116	7849	3	0	3	116	7807	3	0	3	115	8191	3	0	3	121
		FW	8114	2	0	1	119	8819	3	0	1	130	8819	3	0	1	130	8772	3	0	1	129	9203	3	0	1	135
		T1	11406	3	0	3	109	11880	4	0	4	113	11880	4	0	4	113	11816	4	0	4	113	12397	4	0	4	118
		T2	11714	3	0	3	112	12733	3	0	3	122	12733	3	0	3	122	12665	3	0	3	121	13288	3	0	3	127
		T3R	11716	2	0	3	112	12735	2	0	3	122	12735	2	0	3	122	12667	2	0	3	121	13290	3	0	3	127
		T3	11858	2	0	2	113	12889	2	0	2	123	12889	2	0	2	123	12820	2	0	2	122	13451	2	0	2	128
		T3W	12112	2	0	2	116	13165	2	0	3	126	13165	2	0	3	126	13095	2	0	3	125	13738	2	0	3	131
		T3LG	11466	2	0	2	109	11943	2	0	2	114	11943	2	0	2	114	11879	2	0	2	113	12463	2	0	2	119
		T4	11615	2	0	2	111	12624	2	0	2	120	12624	2	0	2	120	12557	2	0	2	120	13175	2	0	2	126
		T4A	12682	2	0	1	121	13785	2	0	2	132	13785	2	0	2	132	13712	2	0	2	131	14386	2	0	2	137
		T4LG	11454	2	0	2	109	11930	2	0	2	114	11930	2	0	2	114	11867	2	0	2	113	12450	2	0	2	119
		T4FT	12424	2	0	3	119	12940	2	0	3	123	12940	2	0	3	123	12871	2	0	3	123	13504	2	0	3	129

C-BOW-2 LED SPECIFICATIONS / Forward Optics																																																											
Led Count	Current & Watts	Distribution Type	27K												30K												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																																
64LD	350 mA (65.7W)	T1	8508	3	0	3	129	8862	3	0	3	135	8862	3	0	3	135	8814	3	0	3	134	9248	3	0	3	141																																
		T2	8688	3	0	3	132	9443	3	0	3	144	9443	3	0	3	144	9393	3	0	3	143	9855	3	0	3	150																																
		T3R	8666	3	0	3	132	9419	3	0	3	143	9419	3	0	3	143	9369	3	0	3	143	9830	3	0	3	150																																
		T3	8669	3	0	1	132	9423	3	0	2	143	9423	3	0	2	143	9373	3	0	1	143	9834	3	0	2	150																																
		T3W	8842	3	0	2	135	9611	3	0	2	146	9611	3	0	2	146	9559	3	0	2	145	10029	3	0	2	153																																
		T3LG	8553	3	0	3	130	8909	3	0	3	136	8909	3	0	3	136	8861	3	0	3	135	9297	3	0	3	141																																
		T4	8664	3	0	2	132	9417	3	0	2	143	9417	3	0	2	143	9367	3	0	2	143	9828	3	0	2	150																																
		T4A	9172	3	0	2	140	9969	3	0	2	152	9969	3	0	2	152	9916	3	0	2	151	10404	3	0	3	158																																
		T4LG	8544	3	0	3	130	8999	3	0	3	135	8999	3	0	3	135	8852	3	0	3	135	9287	3	0	3	141																																
		T4FT	9267	3	0	2	141	9653	3	0	2	147	9653	3	0	2	147	9601	3	0	2	146	10073	3	0	2	153																																
		T5	8716	3	0	2	133	9474	3	0	2	144	9474	3	0	2	144	9424	3	0	2	143	9887	3	0	2	150																																
		T5LG	8969	3	0	3	136	9342	3	0	3	142	9342	3	0	3	142	9292	3	0	3	141	9749	3	0	3	148																																
		T5W	8065	3	0	2	123	8766	3	0	3	133	8766	3	0	3	133	8719	3	0	3	133	9148	3	0	3	139																																
		T5WW	7564	3	0	2	115	8222	3	0	2	125	8222	3	0	2	125	8178	3	0	2	124	8580	3	0	3	131																																
		FW	8852	3	0	1	135	9622	3	0	1	146	9622	3	0	1	146	9570	3	0	1	146	10041	3	0	1	153																																
		64LD	530 mA (101.4W)	T1	12880	4	0	4	127	13415	4	0	4	132	13415	4	0	4	132	13344	4	0	4	132	14000	4	0	4	138																														
				T2	13151	3	0	3	130	14295	3	0	3	141	14295	3	0	3	141	14219	3	0	3	140	14918	3	0	3	147																														
T3R	13118			4	0	4	129	14259	4	0	4	141	14259	4	0	4	141	14183	4	0	4	140	14880	4	0	4	147																																
T3	13124			3	0	2	129	14265	3	0	2	141	14265	3	0	2	141	14189	3	0	2	140	14886	4	0	2	147																																
T3W	13385			4	0	2	132	14549	4	0	2	144	14549	4	0	2	144	14471	4	0	2	143	15183	4	0	2	150																																
T3LG	12948			3	0	3	128	13486	3	0	3	133	13486	3	0	3	133	13414	3	0	3	132	14074	3	0	3	139																																
T4	13116			4	0	2	129	14256	4	0	2	141	14256	4	0	2	141	14180	4	0	2	140	14877	4	0	2	147																																
T4A	13884			3	0	3	137	15092	3	0	3	149	15092	3	0	3	149	15011	3	0	3	148	15749	3	0	3	155																																
T4LG	12934			3	0	3	128	13472	3	0	3	133	13472	3	0	3	133	13400	3	0	3	132	14059	3	0	3	139																																
T4FT	14029			4	0	3	138	14612	4	0	3	144	14612	4	0	3	144	14535	4	0	3	143	15249	4	0	3	150																																
T5	13195			4	0	2	130	14342	4	0	2	141	14342	4	0	2	141	14266	4	0	2	141	14967	4	0	2	148																																
T5LG	13578			4	0	4	134	14142	4	0	4	139	14142	4	0	4	139	14067	4	0	4	139	14758	4	0	4	146																																
T5W	12209			3	0	3	120	13270	4	0	3	131	13270	4	0	3	131	13200	4	0	3	130	13848	4	0	3	137																																
T5WW	11451			3	0	3	113	12446	4	0	3	123	12446	4	0	3	123	12380	4	0	3	122	12989	4	0	3	128																																
FW	13400			3	0	1	132	14565	3	0	1	144	14565	3	0	1	144	14488	3	0	1	143	15200	4	0	1	150																																
64LD	700 mA (135.9W)			T1	16688	4	0	4	123	17382	4	0	4	128	17382	4	0	4	128	17289	4	0	4	127	18139	4	0	4	133																														
				T2	17040	4	0	4	125	18522	4	0	4	136	18522	4	0	4	136	18423	4	0	4	136	19329	4	0	4	142																														
		T3R	16997	4	0	4	125	18475	4	0	4	136	18475	4	0	4	136	18377	4	0	4	135	19280	4	0	4	142																																
		T3	17004	4	0	2	125	18483	4	0	2	136	18483	4	0	2	136	18384	4	0	2	135	19288	4	0	2	142																																
		T3W	17343	4	0	3	128	18851	4	0	3	139	18851	4	0	3	139	18750	4	0	3	138	19672	4	0	3	145																																
		T3LG	16777	4	0	4	123	17474	4	0	4	129	17474	4	0	4	129	17381	4	0	4	128	18235	4	0	4	134																																
		T4	16994	4	0	2	125	18471	4	0	2	136	18471	4	0	2	136	18373	4	0	2	135	19276	4	0	2	142																																
		T4A	17990	4	0	3	132	19554	4	0	3	144	19554	4	0	3	144	19450	4	0	3	143	20406	4	0	3	150																																
		T4LG	16759	3	0	3	123	17455	3	0	3	128	17455	3	0	3	128	17363	3	0	3	128	18216	4	0	4	134																																
		T4FT	18178	4	0	3	134	18933	4	0	3	139	18933	4	0	3	139	18832	4	0	3	139	19758	4	0	3	145																																
		T5	17096	4	0	2	126	18583	4	0	3	137	18583	4	0	3	137	18484	4	0	3	136	19392	4	0	3	143																																
		T5LG	17592	4	0	4	129	18324	4	0	4	135	18324	4	0	4	135	18226	4	0	4	134	19122	4	0	4	141																																
		T5W	15818	4	0	3	116	17194	4	0	3	127	17194	4	0	3	127	17102	4	0	3	126	17943	4	0	3	132																																
		T5WW	14836	4	0	3	109	16127	4	0	3	119	16127	4	0	3	119	16041	4	0	3	118	16829	4	0	3	124																																
		FW	17362	4	0	1	128	18872	4	0	1	139	18872	4	0	1	139	18772	4	0	1	138	19695	4	0	2	145																																
		64LD	1050 mA (209.6W)	T1	23618	5	0	5	113	24600	5	0	5	117	24600	5	0	5	117	24469	5	0	5	117	25672	5	0	5	122																														
				T2	24117	4	0	4	115	26214	4	0	4	125	26214	4	0	4	125	26075	4	0	4	124	27356	4	0	4	131																														
T3R	24056			5	0	5	115	26148	5	0	5	125	26148	5	0	5	125	26009	5	0	5	124	27287	5	0	5	130																																
T3	24066			4	0	3	115	26158	4	0	3	125	26158	4	0	3	125	26019	4	0	3	124	27298	4	0	3	130																																
T3W	24545			4	0	3	117	26679	5	0	3	127	26679	5	0	3	127	26537	5	0	3	127	27842	5	0	3	133																																
T3LG	23744			4	0	4	113	24731	4	0	4	118	24731	4	0	4	118	24599	4	0	4	117	25809	4	0	4	123																																
T4	24051			5	0	3	115	26143	5	0	3	125	26143	5	0	3	125	26003	5	0	3	124	27282	5	0	3	130																																
T4A	25461			4	0	4	121	27675	4	0	4	132	27675	4	0	4	132	27528	4	0	4	131	28881	5	0	4	138																																
T4LG	23719			4	0	4	113	24705	4	0	4	118	24705	4	0	4	118	24573	4	0	4	117	25781	4	0	4	123																																
T4FT	25727			5	0	3	123	26796	5	0	3	128	26796	5	0	3	128	26654	5	0	3	127	27964	5	0	3	133																																
T5	24196			4	0	3	115	26300	5	0	3	125	26300	5	0	3	125	26160	5	0	3	125	27446	5	0	3	131																																
T5LG	24898			4	0	4	119	25933	4	0	4	124	25933	4	0	4	124	25795	4	0	4	123	27064	5	0	5	129																																
T5W	22388			4	0																																																						