

PGS-3 LED Specifications



Project Name:

Catalog Number:

Type:

The **PGS-3** luminaire from Visionaire combines contemporary design with new LED technology while maintaining traditional fixture design forms. The LED performance and life are optimized by the unique integral aluminum heat sink, making them an ideal replacement for the high-maintenance fluorescent or HID fixtures of yesterday.

The LED housing is formed aluminum; with either 96, 112 or 128 LED Arrays. Mounting options include Yoke Mount, or Universal Bolt-On Arm. The Universal Bolt-on Arm Mount is available with a Quick Mount Pole Adaptor and is perfect for retrofitting existing poles.

Eight optical distribution patterns are available. Choose between 3000, 4000 or 5000 Kelvin temperature of the LED Arrays.

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

The **PGS-3** LED series is an exceptional choice for universities, shopping centers, parks and recreational areas; and general site lighting.

Ordering Information

MODEL	OPTICS	LEDS	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
PGS-3	T1 Type 1	96LC	3 350mA	3K 3000K	UNV 120-277V	YM Yoke Mount	BZ Bronze	PCR-120 PCR-208 PCR-240 PCR-277 PCR-347 PCR-480 Photocell & Receptacle	DIM 0-10v Dimming Driver
	T2 Type 2	112LC	5 530mA	4K 4000K	8 347V	UBOA Universal Bolt-On Arm Mount	BK Black	WVC Visionaire Wireless Controls Consult Factory	
	T3 Type 3	128LC	7 700mA	5K 5000K	5 480V	Round Pole Plate Adaptors (RPP) are to be ordered separately.	SBK Smooth Black	RPP Round Pole Plate Adaptor	
	T4 Type 4				WH White		PER 5PINPER 7PINPER 3, 5, or 7 Pin Photo Receptacle w/shorting cap *Requires Dimming Driver	ROT-R Rotated Optics Right Side	
	T4A Type 4 Automotive					SWH Smooth White	GP Graphite	ROT-L Rotated Optics Left Side	
	T5 Type 5					GY Grey	WSC-8 Motion Sensor 8' Mounting Height	CLS Back Side Cutoff Louver Shield	
	T5W Type 5 Wide					SL Silver Metallic	WSC-20 Motion Sensor 9-20' Mounting Height		
	T5WR Type 5 Wide Round					CC Custom Color	WSC-40 Motion Sensor 21-40' Mounting Height		
								*The WSC options will require (1) FSIR 100 remote for programming	

Features & Specifications

PGS-3

Housing

Heavy duty formed aluminum housing with internal heat sink for maximum heat dissipation. Silicone gasket is used for weather tight operation.

Mounting

For post top mounting, an adaptor fits over a 2 3/8" tenon secured with stainless steel hardware.

For retro-fit applications, a Pre-Attached Aluminum Arm (UBOA) is supplied along with a Universal Quick Mount pole adaptor for fast and easy attachment to the pole.

Thermal Management

The PGS-3 Array series provides excellent thermal management by mounting the LEDs to the substantial heat sink within the housing. This enables the luminaire to withstand higher ambient temperatures and drive currents without degrading LED life.

Optical System

The highest lumen output LEDs are utilized. High-performance acrylic optics feature industry leading Type I, II, III, IV and V optical distributions. Acrylic optics are impact-resistant and rated to 94 percent translucence.

L70 life of our LEDs is rated over 100,000 hours (for 350 mA). The optical system qualifies as as U-0 to restrict light trespass, glare and light pollution for neighborhood-friendly lighting. CRI values are 70.

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 millimeter thickness. Finish is oven-baked at 400° F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors. Finish is guaranteed for five (5) years.

Electrical Assembly

The PGS-3 LED series is supplied with a choice of 350, 530, or 700mA high-performance LED engines that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40°C operations. 10kV 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

- Photocell & Receptacle
- 0-10 Volt Dimming Driver
- Motion Sensor/Control Watt Stopper FSP-211
- Emergency Battery Pack
- Round Pole Plate Adapter
- Cutoff Louver Shield

Listings

- PGS-3 is cUL listed, suitable for wet locations.
- IP65 Rated
- Powder Coated Tough
- IDA Certification



3000K must be selected for IDA certification.
Fixed mount must be selected for IDA dark sky certification.

Motion Sensor Default Setting									
FSP - 211	High Mode	Low Mode	Time Delay	Cut Off Delay	Sensitivity	Hold Off Setpoint	Photocell On/Off	Ramp Up Time	Fade Down Time
WSC - Default	10V	1V	5 Minutes	1 Hour	Max	Disabled	Disabled	Disabled	Disabled
WSC Range	0-10V	0-9.8V	5-30 Minutes	1-5 Hours	Low, Med, Max	1-250FC	1-250FC	1-60 Dec	1-60 Dec

*Settings can be field modified with the FSIR-100 Programming remote

PGS-3 LED Specifications

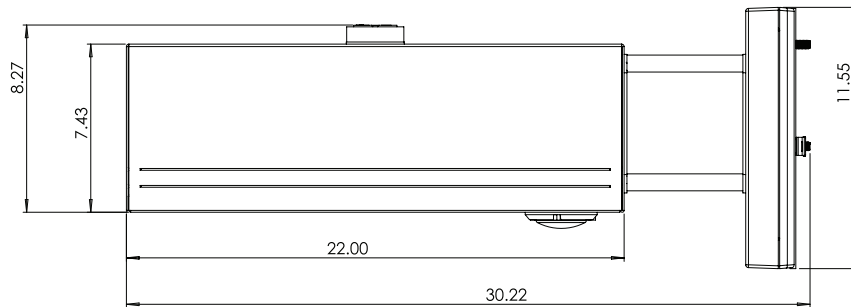
Photometric Optical Summary

T1 Type 1	T2 Type 2	T3 Type 3	T4 Type 4	T4A Type 4 Automotive	T5 Type 5	T5W Type 5 Wide	T5WR Type 5 Wide Round
EPA Data							
		0.75	1.47	1.5	2.22	2.1	2.22

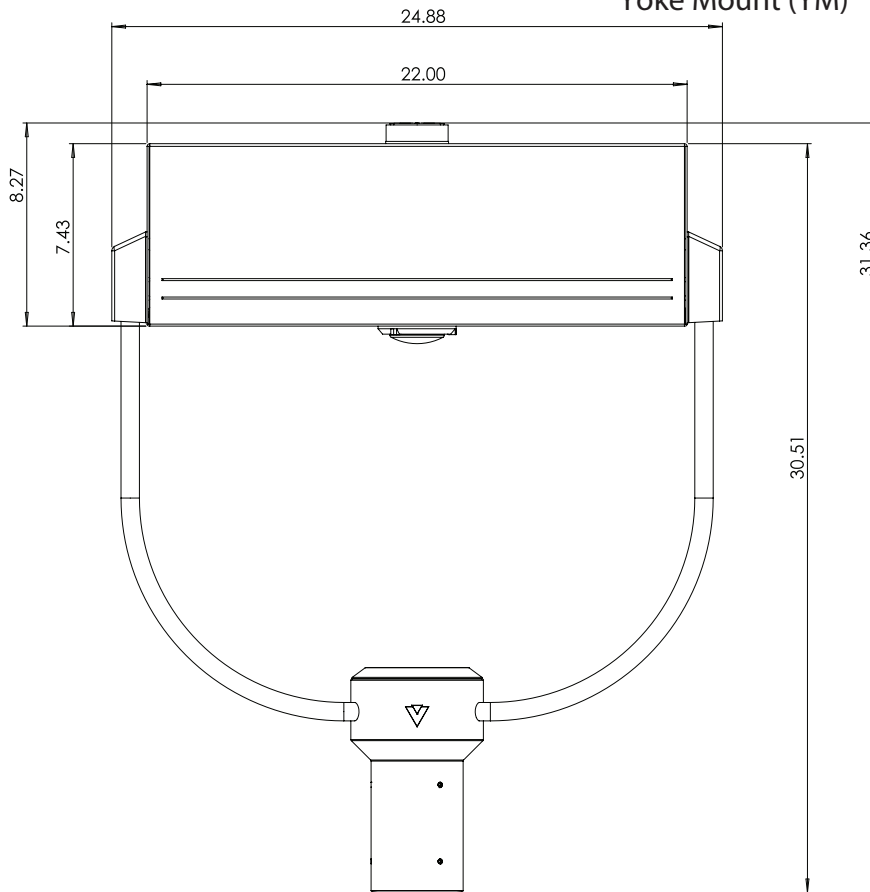
Dimensions

Width:	PGS-3 22"
Depth:	PGS-3 30"
Height:	PGS-3 7.5"
Overall Height:	PGS-3 11.5/31.5"
Weight:	28 LBS

*Universal Bolt-On Arm (UBOA)



*Yoke Mount (YM)



PGS-3 3K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	12062	11843	12198	11986	12268	12292	11949	11876	103
	530	17244	16930	17438	17135	17539	17572	17083	16978	156
	700	21443	21053	21684	21307	21809	21851	21242	21112	207
112	350	14356	14094	14517	14265	14601	14629	14221	14134	121
	530	20396	20024	20625	20267	20744	20784	20205	20081	183
	700	24943	24489	25223	24785	25369	25417	24709	24557	241
128	350	16262	15966	16445	16159	16540	16572	16110	16011	137
	530	23115	22694	23375	22969	23510	23555	22899	22758	208
	700	28206	27693	28523	28028	28688	28743	27942	27770	275
PGS-3 4K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	12290	12067	12429	12213	12500	12524	12175	12101	103
	530	17570	17250	17768	17459	17870	17904	17406	17299	156
	700	21848	21450	22094	21710	22221	22264	21644	21511	207
112	350	14627	14361	14791	14534	14877	14905	14490	14401	121
	530	20781	20403	21015	20650	21136	21177	20587	20460	183
	700	25414	24951	25700	25253	25848	25898	25176	25021	241
128	350	16570	16268	16756	16465	16853	16885	16414	16314	137
	530	23552	23123	23817	23403	23954	24000	23332	23188	208
	700	28739	28216	29062	28557	29230	29286	28470	28295	275
PGS-3 5K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	12328	12103	12466	12250	12538	12562	12212	12137	103
	530	17623	17302	17821	17512	17924	17959	17458	17351	156
	700	21914	21515	22161	21776	22289	22331	21709	21576	207
112	350	14671	14404	14836	14578	14922	14950	14534	14445	121
	530	20844	20465	21078	20712	21200	21241	20649	20522	183
	700	25491	25027	25777	25330	25926	25976	25252	25097	241
128	350	16620	16317	16806	16515	16904	16936	16464	16363	137
	530	23623	23193	23889	23474	24027	24073	23402	23258	208
	700	28826	28301	29150	28644	29318	29374	28556	28381	275

PGS-3 LED Specifications

PGS-3 3K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	118	116	119	117	120	120	117	116	103
	530	111	109	112	110	113	113	110	109	156
	700	104	102	105	103	105	106	103	102	207
112	350	118	116	120	118	120	121	117	117	121
	530	111	109	113	111	113	114	110	110	183
	700	103	102	105	103	105	105	102	102	241
128	350	119	117	120	118	121	121	118	117	137
	530	111	109	112	110	113	113	110	109	208
	700	103	101	104	102	104	105	102	101	275
PGS-3 4K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	120	118	121	119	122	122	119	118	103
	530	113	111	114	112	115	115	112	111	156
	700	106	104	107	105	107	108	105	104	207
112	350	121	118	122	120	123	123	120	119	121
	530	113	111	115	113	115	116	112	112	183
	700	105	103	107	105	107	107	104	104	241
128	350	121	119	122	120	123	123	120	119	137
	530	113	111	115	113	115	115	112	112	208
	700	105	103	106	104	106	107	104	103	275
PGS-3 5K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	120	118	122	120	122	123	119	118	103
	530	113	111	115	113	115	115	112	112	156
	700	106	104	107	105	108	108	105	104	207
112	350	121	119	122	120	123	123	120	119	121
	530	114	112	115	113	116	116	113	112	183
	700	106	104	107	105	107	108	105	104	241
128	350	121	119	123	121	124	124	120	120	137
	530	114	112	115	113	116	116	113	112	208
	700	105	103	106	104	107	107	104	103	275

PGS-3 3K BUG Chart																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
96	350	3	0	3	2	0	3	3	0	3	3	0	3	2	0	2	3	0	2	4	0	2	3	0	2	103
	530	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	156
	700	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	207
112	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	3	0	2	4	0	2	4	0	2	121
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	2	183
	700	5	0	5	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	5	0	3	241
128	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	137
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	208
	700	5	0	5	3	0	4	4	0	4	3	0	4	3	0	3	4	0	3	5	0	3	5	0	3	275
PGS-3 4K BUG Chart																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
96	350	3	0	3	2	0	3	3	0	3	3	0	3	2	0	2	3	0	2	4	0	2	3	0	2	103
	530	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	156
	700	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	207
112	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	3	0	2	4	0	2	4	0	2	121
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	183
	700	5	0	5	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	5	0	3	241
128	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	137
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	208
	700	5	0	5	3	0	4	4	0	4	3	0	4	3	0	3	4	0	3	5	0	3	5	0	3	275
PGS-3 5K BUG Chart																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
96	350	4	0	4	2	0	3	3	0	3	3	0	3	2	0	2	3	0	2	4	0	2	3	0	2	103
	530	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	156
	700	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	207
112	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	3	0	2	4	0	2	4	0	2	121
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	183
	700	5	0	5	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	5	0	3	241
128	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	137
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	208
	700	5	0	5	3	0	4	4	0	4	3	0	4	3	0	3	4	0	3	5	0	3	5	0	3	275

PGS-3 LED Specifications

PGS-3 - CLS - 3K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	12062	11843	12198	11986	12268	12292	11949	11876	103
	530	17244	16930	17438	17135	17539	17572	17083	16978	156
	700	21443	21053	21684	21307	21809	21851	21242	21112	207
112	350	14356	14094	14517	14265	14601	14629	14221	14134	121
	530	20396	20024	20625	20267	20744	20784	20205	20081	183
	700	24943	24489	25223	24785	25369	25417	24709	24557	241
128	350	16262	15966	16445	16159	16540	16572	16110	16011	137
	530	23115	22694	23375	22969	23510	23555	22899	22758	208
	700	28206	27693	28523	28028	28688	28743	27942	27770	275
PGS-3 - CLS - 4K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	12290	12067	12429	12213	12500	12524	12175	12101	103
	530	17570	17250	17768	17459	17870	17904	17406	17299	156
	700	21848	21450	22094	21710	22221	22264	21644	21511	207
112	350	14627	14361	14791	14534	14877	14905	14490	14401	121
	530	20781	20403	21015	20650	21136	21177	20587	20460	183
	700	25414	24951	25700	25253	25848	25898	25176	25021	241
128	350	16570	16268	16756	16465	16853	16885	16414	16314	137
	530	23552	23123	23817	23403	23954	24000	23332	23188	208
	700	28739	28216	29062	28557	29230	29286	28470	28295	275
PGS-3 - CLS - 5K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	12328	12103	12466	12250	12538	12562	12212	12137	103
	530	17623	17302	17821	17512	17924	17959	17458	17351	156
	700	21914	21515	22161	21776	22289	22331	21709	21576	207
112	350	14671	14404	14836	14578	14922	14950	14534	14445	121
	530	20844	20465	21078	20712	21200	21241	20649	20522	183
	700	25491	25027	25777	25330	25926	25976	25252	25097	241
128	350	16620	16317	16806	16515	16904	16936	16464	16363	137
	530	23623	23193	23889	23474	24027	24073	23402	23258	208
	700	28826	28301	29150	28644	29318	29374	28556	28381	275

PGS-3 - CLS - 3K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	118	116	119	117	120	120	117	116	103
	530	111	109	112	110	113	113	110	109	156
	700	104	102	105	103	105	106	103	102	207
112	350	118	116	120	118	120	121	117	117	121
	530	111	109	113	111	113	114	110	110	183
	700	103	102	105	103	105	105	102	102	241
128	350	119	117	120	118	121	121	118	117	137
	530	111	109	112	110	113	113	110	109	208
	700	103	101	104	102	104	105	102	101	275
PGS-3 - CLS - 4K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	120	118	121	119	122	122	119	118	103
	530	113	111	114	112	115	115	112	111	156
	700	106	104	107	105	107	108	105	104	207
112	350	121	118	122	120	123	123	120	119	121
	530	113	111	115	113	115	116	112	112	183
	700	105	103	107	105	107	107	104	104	241
128	350	121	119	122	120	123	123	120	119	137
	530	113	111	115	113	115	115	112	112	208
	700	105	103	106	104	106	107	104	103	275
PGS-3 - CLS - 5K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	120	118	122	120	122	123	119	118	103
	530	113	111	115	113	115	115	112	112	156
	700	106	104	107	105	108	108	105	104	207
112	350	121	119	122	120	123	123	120	119	121
	530	114	112	115	113	116	116	113	112	183
	700	106	104	107	105	107	108	105	104	241
128	350	121	119	123	121	124	124	120	120	137
	530	114	112	115	113	116	116	113	112	208
	700	105	103	106	104	107	107	104	103	275

PGS-3 LED Specifications

PGS-3 - CLS - 3K BUG Chart																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
96	350	3	0	3	2	0	3	3	0	3	3	0	3	2	0	2	3	0	2	4	0	2	3	0	2	103
	530	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	156
	700	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	207
112	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	3	0	2	4	0	2	4	0	2	121
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	2	183
	700	5	0	5	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	5	0	3	241
128	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	137
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	208
	700	5	0	5	3	0	4	4	0	4	3	0	4	3	0	3	4	0	3	5	0	3	5	0	3	275
PGS-3 - CLS - 4K BUG Chart																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
96	350	3	0	3	2	0	3	3	0	3	3	0	3	2	0	2	3	0	2	4	0	2	3	0	2	103
	530	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	156
	700	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	207
112	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	3	0	2	4	0	2	4	0	2	121
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	183
	700	5	0	5	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	5	0	3	241
128	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	137
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	208
	700	5	0	5	3	0	4	4	0	4	3	0	4	3	0	3	4	0	3	5	0	3	5	0	3	275
PGS-3 - CLS - 5K BUG Chart																										
# LEDs	Current (mA)	T1			T2			T3			T4			T4A			T5			T5W			T5WR			Wattage
		B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	B	U	G	
96	350	4	0	4	2	0	3	3	0	3	3	0	3	2	0	2	3	0	2	4	0	2	3	0	2	103
	530	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	156
	700	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	207
112	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	3	0	2	4	0	2	4	0	2	121
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	183
	700	5	0	5	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	5	0	3	241
128	350	4	0	4	3	0	3	3	0	3	3	0	3	3	0	2	4	0	2	4	0	3	4	0	2	137
	530	4	0	4	3	0	4	3	0	3	3	0	3	3	0	3	4	0	2	5	0	3	4	0	3	208
	700	5	0	5	3	0	4	4	0	4	3	0	4	3	0	3	4	0	3	5	0	3	5	0	3	275

