

PGR-3 LED Specifications



Project Name:

Catalog Number:

Type:

The **PGR-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 engines. 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's.

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

The **PGR-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
PGR-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	PER 5PINPER 7PINPER 3, 5, or 7 Pin Photo Receptacle w/shorting cap *Requires Dimming Driver	VWC 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		ROT-R Rotated Optics Right Side
	T4A Type 4 Automotive						SWH Smooth White		ROT-L Rotated Optics Left Side
	T5 Type 5						GP Graphite		CLS Back Side Cutoff Louver Shield
	T5W Type 5 Wide						GY Grey	WSC-8 Motion Sensor 8' Mounting Height	
	T5WR Type 5 Wide Round						SL Silver Metallic	WSC-20 Motion Sensor 9-20' Mounting Height	
							CC Custom Color	WSC-40 Motion Sensor 21-40' Mounting Height	

*The WSC options will require (1) FSIR 100 remote for programming

Features & Specifications

PGR-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 PGR-3 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, IVA, and V, VWR 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 PGR-3 LED series is supplied with a choice of 350, 530 or 700mA high-performance LED drivers 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
- Round Pole Plate Adapter
- Cutoff Louver Shield
- Visionaire Wireless Controls
 - Enables high end trim
 - Based on Zigbee wireless communication protocol

Listings

- PGR-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

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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: PGR-3 23"/26"

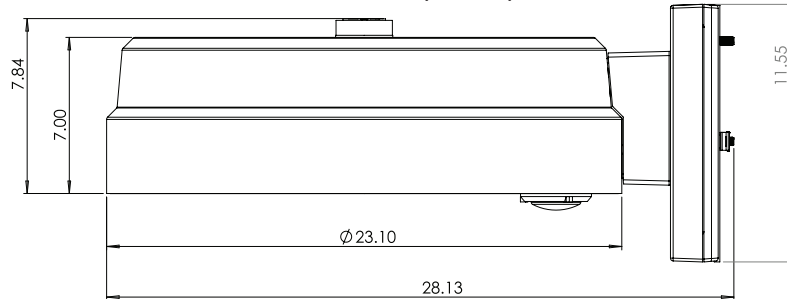
Depth: PGR-3 28"

Height: PGR-3 7.0"

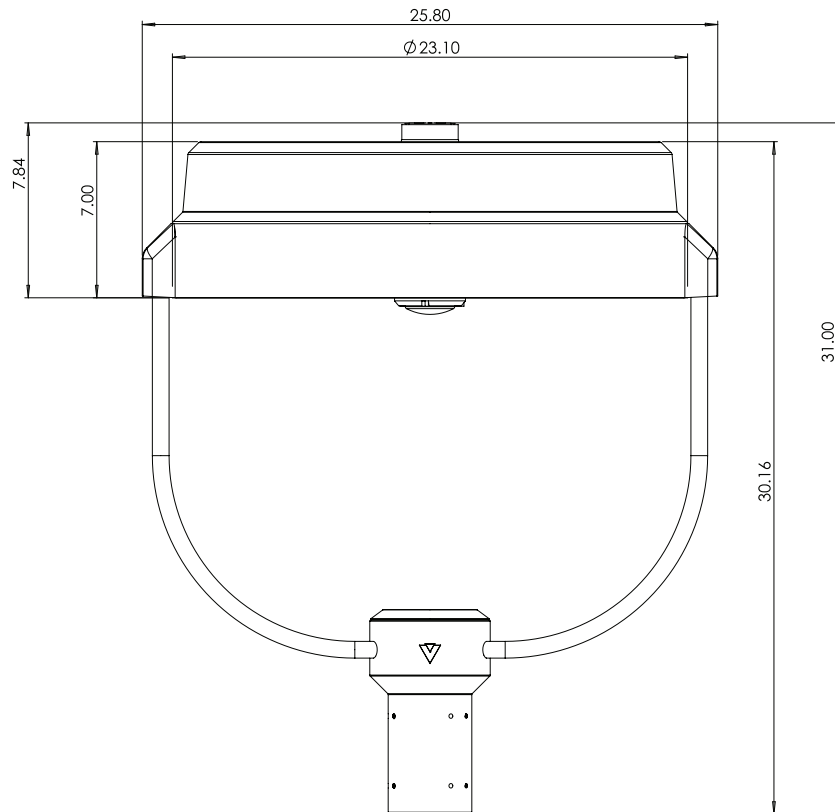
Overall Height: PGR-3 9/25"

Weight: 28 LBS

*Universal Bolt-On Arm (UBOA)



*Yolk Mount (YM)



PGR-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
PGR-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
PGR-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

PGR-3 LED Specifications

PGR-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
PGR-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
PGR-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

PGR-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
PGR-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
PGR-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

PGR-3 LED Specifications

PGR-3 - CLS - 3K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	9893	11043	10238	9893	12079	10583	9548	9893	103
	530	14143	15787	14636	14143	17267	15129	13649	14143	156
	700	17586	19631	18200	17586	21472	18813	16973	17586	207
112	350	11774	13143	12184	11774	14375	12595	11363	11774	121
	530	16727	18672	17311	16727	20423	17894	16144	16727	183
	700	20457	22835	21170	20457	24976	21884	19743	20457	241
128	350	13337	14888	13803	13337	16284	14268	12872	13337	137
	530	18958	21162	19619	18958	23146	20280	18296	18958	208
	700	23133	25823	23940	23133	28244	24747	22326	23133	275
PGR-3 - CLS - 4K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	10080	11252	10431	10080	12307	10783	9728	10080	103
	530	14410	16085	14913	14410	17594	15415	13907	14410	156
	700	17919	20002	18544	17919	21877	19169	17294	17919	207
112	350	11996	13391	12415	11996	14646	12833	11578	11996	121
	530	17044	19025	17638	17044	20809	18233	16449	17044	183
	700	20843	23267	21570	20843	25448	22297	20116	20843	241
128	350	13589	15170	14063	13589	16592	14537	13115	13589	137
	530	19316	21562	19990	19316	23583	20664	18642	19316	208
	700	23570	26311	24392	23570	28777	25214	22748	23570	275
PGR-3 - CLS - 5K Lumen Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	10110	11286	10463	10110	12344	10816	9758	10110	103
	530	14454	16134	14958	14454	17647	15462	13949	14454	156
	700	17973	20063	18600	17973	21944	19227	17346	17973	207
112	350	12032	13432	12452	12032	14691	12872	11613	12032	121
	530	17095	19083	17691	17095	20872	18288	16499	17095	183
	700	20906	23337	21635	20906	25525	22365	20177	20906	241
128	350	13631	15215	14106	13631	16642	14581	13155	13631	137
	530	19374	21627	20050	19374	23655	20726	18699	19374	208
	700	23641	26390	24466	23641	28865	25291	22817	23641	275

PGR-3 - CLS - 3K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	97	108	100	97	118	103	93	97	103
	530	91	102	94	91	111	97	88	91	156
	700	85	95	88	85	104	91	82	85	207
112	350	97	108	101	97	119	104	94	97	121
	530	91	102	95	91	112	98	88	91	183
	700	85	95	88	85	104	91	82	85	241
128	350	97	109	101	97	119	104	94	97	137
	530	91	102	94	91	111	98	88	91	208
	700	84	94	87	84	103	90	81	84	275
PGR-3 - CLS - 4K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	98	110	102	98	120	105	95	98	103
	530	93	103	96	93	113	99	89	93	156
	700	87	97	90	87	106	93	84	87	207
112	350	99	110	102	99	121	106	96	99	121
	530	93	104	96	93	114	100	90	93	183
	700	86	96	89	86	106	92	83	86	241
128	350	99	111	103	99	121	106	96	99	137
	530	93	104	96	93	113	99	90	93	208
	700	86	96	89	86	105	92	83	86	275
PGR-3 - CLS - 5K Lumen Per Watt Chart										
# LEDs	Current (mA)	T1	T2	T3	T4	T4A	T5	T5W	T5WR	Wattage
96	350	99	110	102	99	120	106	95	99	103
	530	93	104	96	93	113	99	90	93	156
	700	87	97	90	87	106	93	84	87	207
112	350	99	111	103	99	121	106	96	99	121
	530	93	104	97	93	114	100	90	93	183
	700	87	97	90	87	106	93	84	87	241
128	350	100	111	103	100	122	107	96	100	137
	530	93	104	96	93	114	100	90	93	208
	700	86	96	89	86	105	92	83	86	275

PGR-3 LED Specifications

PGR-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	2	0	3	2	0	3	2	0	3	2	0	3	2	0	2	2	0	3	2	0	3	2	0	3	103
	530	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	156
	700	3	0	4	2	0	4	3	0	4	3	0	3	3	0	3	3	0	4	3	0	4	3	0	4	207
112	350	3	0	3	2	0	3	2	0	3	2	0	3	3	0	3	2	0	3	2	0	3	2	0	3	121
	530	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	4	3	0	4	3	0	3	183
	700	3	0	5	3	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	241
128	350	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	137
	530	3	0	4	2	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	208
	700	3	0	5	3	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	275
PGR-3 - CLS - K 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	2	0	3	2	0	3	2	0	3	2	0	3	2	0	2	2	0	3	2	0	3	2	0	3	103
	530	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	156
	700	3	0	4	2	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	207
112	350	3	0	3	2	0	4	2	0	3	2	0	3	3	0	3	2	0	3	3	0	3	2	0	3	121
	530	3	0	4	2	0	4	3	0	4	3	0	3	3	0	3	3	0	4	3	0	4	3	0	4	183
	700	3	0	5	3	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	241
128	350	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	137
	530	3	0	4	3	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	208
	700	3	0	5	3	0	5	3	0	4	3	0	4	3	0	4	3	0	4	3	0	4	3	0	4	275
PGR-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	2	0	3	2	0	3	2	0	3	2	0	3	2	0	2	2	0	3	2	0	3	2	0	3	103
	530	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	156
	700	3	0	4	2	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	207
112	350	3	0	3	2	0	4	2	0	3	2	0	3	3	0	3	2	0	3	3	0	3	2	0	3	121
	530	3	0	4	2	0	4	3	0	4	3	0	3	3	0	3	3	0	4	3	0	4	3	0	4	183
	700	3	0	5	3	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	241
128	350	3	0	4	2	0	4	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	3	0	3	137
	530	3	0	4	3	0	5	3	0	4	3	0	4	3	0	3	3	0	4	3	0	4	3	0	4	208
	700	3	0	5	3	0	5	3	0	4	3	0	4	3	0	4	3	0	4	3	0	4	3	0	4	275

LED Specifications **PGR-3**
