

Clear MaxLED-200 NARROW BEAM (3.4 Degrees)

From Scan Input Voltage [VDC] 24.32 at 25°C Vertical Divergence 3.4 deg. @ 50%
From Scan Current [Amps] 2.152
From Scan 10th pctile Fixed Intensity [cd] 1546 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 52.3 Adjusted														12 Volts		
CLEAR			Shortest flash on time in the character (Seconds)											Ave. Pwr* [Watts]	14 hour night Ah/day	
Duty Cycle	cd	nm	0.3		0.5		1		1.5		2		2.5			
			efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm		
10			1016	9.4	1209	9.8	1411	10.1	1494	10.1	1539	10.2	1568	10.2	5.2	6.11
15			1006	9.4	1197	9.6	1397	10.0	1479	10.1	1524	10.2	1552	10.2	7.9	9.16
20			998	9.2	1188	9.6	1386	10.0	1468	10.1	1512	10.2	1540	10.2	10.5	12.21
25			993	9.2	1182	9.6	1379	10.0	1460	10.1	1504	10.2	1532	10.2	13.1	15.26
30			986	9.2	1174	9.6	1370	10.0	1450	10.1	1494	10.1	1522	10.2	15.7	18.32
35			980	9.2	1166	9.6	1361	9.9	1441	10.1	1484	10.1	1512	10.2	18.3	21.37
40			975	9.2	1161	9.6	1354	9.9	1434	10.1	1477	10.1	1505	10.2	20.9	24.42
50			965	9.2	1148	9.6	1340	9.9	1419	10.1	1462	10.1	1489	10.1	26.2	30.53
60			955	9.2	1137	9.6	1327	9.9	1405	10.1	1448	10.1	1474	10.1	31.4	36.64
70			947	9.2	1128	9.6	1315	9.9	1393	10.0	1435	10.1	1462	10.1	36.6	42.74
80			940	9.2	1119	9.6	1305	9.9	1382	10.0	1424	10.1	1450	10.1	41.9	48.85
90			933	9.2	1111	9.6	1296	9.8	1372	10.0	1414	10.1	1440	10.1	47.1	54.95
100	1.000	1546	10.2												52.3	61.06

***Average Power must not exceed 20 Watts**

Clear MaxLED-200 WIDE BEAM (7.2 Degrees)

From Scan Input Voltage [VDC] 24.28 at 25°C Vertical Divergence 7.2 deg. @ 50%
From Scan Current [Amps] 2.207
From Scan 10th pctile Fixed Intensity [cd] 944 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 53.6 Adjusted														12 Volts		
CLEAR			Shortest flash on time in the character (Seconds)											Ave. Pwr* [Watts]	14 hour night Ah/day	
Duty Cycle	cd	nm	0.3		0.5		1		1.5		2		2.5			
			efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm		
10			620	8.4	738	8.7	861	9.0	911	9.2	939	9.2	956	9.2	5.4	6.25
15			615	8.4	732	8.7	854	9.0	904	9.2	932	9.2	949	9.2	8.0	9.38
20			609	8.4	725	8.7	846	9.0	896	9.0	923	9.2	940	9.2	10.7	12.50
25			606	8.4	721	8.7	842	9.0	891	9.0	918	9.2	935	9.2	13.4	15.63
30			602	8.4	717	8.7	836	9.0	885	9.0	912	9.2	929	9.2	16.1	18.76
35			598	8.2	712	8.7	831	9.0	879	9.0	906	9.2	923	9.2	18.8	21.88
40			595	8.2	708	8.7	826	9.0	874	9.0	901	9.2	918	9.2	21.4	25.01
50			588	8.2	701	8.7	817	9.0	865	9.0	892	9.0	908	9.2	26.8	31.26
60			583	8.2	694	8.6	810	8.9	858	9.0	884	9.0	900	9.2	32.2	37.51
70			578	8.2	688	8.6	803	8.9	850	9.0	876	9.0	892	9.0	37.5	43.76
80			574	8.2	683	8.6	797	8.7	844	9.0	869	9.0	885	9.0	42.9	50.01
90			570	8.2	678	8.6	791	8.7	838	9.0	863	9.0	879	9.0	48.2	56.27
100	1.000	944	9.2												53.6	62.52

***Average Power must not exceed 20 Watts**

RED MaxLED-200 NARROW BEAM (5.2 Degrees)

From Scan Input Voltage [VDC] 24.04 at 25°C Vertical Divergence 5.2 deg. @ 50%
 From Scan Current [Amps] 2.365
 From Scan 10th pctile Fixed Intensity [cd] 1203 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 56.9 Adjusted														12 Volts		
Red														14		
Shortest flash on time in the character (Seconds)														Ave. Pwr* hour night		
Duty Cycle			0.3		0.5		1		1.5		2		2.5		[Watts]	Ah/day
	cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm		
10			1037	9.4	1234	9.8	1440	10.1	1524	10.2	1571	10.2	1600	10.2	5.7	6.63
15			1017	9.4	1211	9.8	1413	10.1	1496	10.1	1541	10.2	1570	10.2	8.5	9.95
20			993	9.2	1182	9.6	1380	10.0	1461	10.1	1505	10.2	1533	10.2	11.4	13.27
25			974	9.2	1159	9.6	1352	9.9	1432	10.1	1475	10.1	1503	10.2	14.2	16.58
30			954	9.2	1135	9.6	1324	9.9	1402	10.1	1445	10.1	1471	10.1	17.1	19.90
35			934	9.2	1112	9.6	1297	9.8	1374	10.0	1415	10.1	1441	10.1	19.9	23.22
40			915	9.2	1090	9.4	1271	9.8	1346	9.9	1387	10.0	1412	10.1	22.7	26.53
50			878	9.0	1045	9.4	1219	9.8	1291	9.8	1330	9.9	1354	9.9	28.4	33.17
60			845	9.0	1006	9.4	1174	9.6	1243	9.8	1281	9.8	1304	9.9	34.1	39.80
70			813	8.9	967	9.2	1129	9.6	1195	9.6	1231	9.8	1254	9.8	39.8	46.43
80			780	8.7	929	9.2	1084	9.4	1147	9.6	1182	9.6	1204	9.8	45.5	53.06
90			751	8.7	894	9.0	1043	9.4	1105	9.6	1138	9.6	1159	9.6	51.2	59.70
100	1.000	1204	9.8												56.9	66.33

*Average Power must not exceed 20 Watts

RED MaxLED-200 WIDE BEAM (8.4 Degrees)

From Scan Input Voltage [VDC] 24.04 at 25°C Vertical Divergence 8.4 deg. @ 50%
 From Scan Current [Amps] 2.037
 From Scan 10th pctile Fixed Intensity [cd] 776 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 49.0 Adjusted														12 Volts		
Red														14		
Shortest flash on time in the character (Seconds)														Ave. Pwr* hour night		
Duty Cycle			0.3		0.5		1		1.5		2		2.5		[Watts]	Ah/day
	cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm		
10			605	8.4	720	8.7	840	9.0	889	9.0	916	9.2	933	9.2	4.9	5.71
15			601	8.4	716	8.7	835	9.0	884	9.0	911	9.2	928	9.2	7.3	8.57
20			595	8.2	708	8.7	826	9.0	874	9.0	901	9.2	918	9.2	9.8	11.43
25			587	8.2	699	8.6	815	8.9	863	9.0	890	9.0	906	9.2	12.2	14.28
30			581	8.2	691	8.6	806	8.9	854	9.0	880	9.0	896	9.0	14.7	17.14
35			575	8.2	684	8.6	798	8.7	845	9.0	871	9.0	887	9.0	17.1	20.00
40			565	8.2	673	8.6	785	8.7	831	9.0	856	9.0	872	9.0	19.6	22.85
50			549	8.1	654	8.6	762	8.7	807	8.9	832	9.0	847	9.0	24.5	28.57
60			534	8.1	635	8.4	741	8.7	785	8.7	809	8.9	824	9.0	29.4	34.28
70			516	8.1	615	8.4	717	8.7	759	8.7	782	8.7	797	8.7	34.3	39.99
80			505	8.1	601	8.4	701	8.7	742	8.7	765	8.7	779	8.7	39.2	45.70
90			484	8.0	576	8.2	672	8.6	712	8.7	733	8.7	747	8.7	44.1	51.42
100	1.000	775	8.7												49.0	57.13

*Average Power must not exceed 20 Watts

GREEN MaxLED-200 NARROW BEAM (3.1 Degrees)

From Scan Input Voltage [VDC] 24.36 at 25°C Vertical Divergence 3.1 deg. @ 50%
From Scan Current [Amps] 2.084
From Scan 10th pctile Fixed Intensity [cd] 1725 cd @ 100%

Input Power [Fraction of Full Power] = 40 % W 20.3 Adjusted														12 Volts		
GREEN														14		
Shortest flash on time in the character (Seconds)														Ave. Pwr* hour night		
Duty Cycle	cd nm		0.3 efi-cd nm		0.5 efi-cd nm		1 efi-cd nm		1.5 efi-cd nm		2 efi-cd nm		2.5 efi-cd nm		[Watts]	Ah/day
10			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	2.0	2.37
15			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	3.0	3.55
20			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	4.1	4.74
25			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	5.1	5.92
30			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	6.1	7.11
35			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	7.1	8.29
40			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	8.1	9.48
50			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	10.2	11.85
60			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	12.2	14.21
70			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	14.2	16.58
80			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	16.2	18.95
90			614	8.4	732	8.7	853	9.0	904	9.2	931	9.2	948	9.2	18.3	21.32
100	1.000	1024	9.4											20.3	23.69	

***Average Power must not exceed 20 Watts**

GREEN MaxLED-200 WIDE BEAM (7.6 Degrees)

From Scan Input Voltage [VDC] 24.22 at 25°C Vertical Divergence 7.6 deg. @ 50%
From Scan Current [Amps] 1.807
From Scan 10th pctile Fixed Intensity [cd] 1023 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 43.8 Adjusted														12 Volts		
GREEN														14		
Shortest flash on time in the character (Seconds)														Ave. Pwr* hour night		
Duty Cycle	cd nm		0.3 efi-cd nm		0.5 efi-cd nm		1 efi-cd nm		1.5 efi-cd nm		2 efi-cd nm		2.5 efi-cd nm		[Watts]	Ah/day
10			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	4.4	5.11
15			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	6.6	7.66
20			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	8.8	10.21
25			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	10.9	12.76
30			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	13.1	15.32
35			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	15.3	17.87
40			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	17.5	20.42
50			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	21.9	25.53
60			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	26.3	30.64
70			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	30.6	35.74
80			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	35.0	40.85
90			614	8.4	730	8.7	852	9.0	902	9.2	930	9.2	947	9.2	39.4	45.95
100	1.000	1023	9.4											43.8	51.06	

***Average Power must not exceed 20 Watts**

YELLOW MaxLED-200 NARROW BEAM (5.1 Degrees)

From Scan Input Voltage [VDC] 24.13 at 25°C Vertical Divergence 5.1 deg. @ 50%
From Scan Current [Amps] 1.882
From Scan 10th pctile Fixed Intensity [cd] 682 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 45.4 Adjusted														12 Volts		
YELLOW			Shortest flash on time in the character (Seconds)											Ave. Pwr* [Watts]	14 hour night Ah/day	
Duty Cycle	cd	nm	0.3		0.5		1		1.5		2		2.5			
			efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm		
10			679	8.6	808	8.9	943	9.2	998	9.2	1029	9.4	1048	9.4	4.5	5.30
15			654	8.6	779	8.7	908	9.2	962	9.2	991	9.2	1009	9.4	6.8	7.95
20			628	8.4	748	8.7	873	9.0	924	9.2	952	9.2	969	9.2	9.1	10.60
25			606	8.4	721	8.7	841	9.0	891	9.0	918	9.2	935	9.2	11.4	13.25
30			584	8.2	696	8.6	812	8.9	859	9.0	886	9.0	902	9.2	13.6	15.89
35			563	8.2	670	8.6	782	8.7	828	9.0	853	9.0	868	9.0	15.9	18.54
40			544	8.1	648	8.4	755	8.7	800	8.7	824	9.0	839	9.0	18.2	21.19
50			509	8.1	606	8.4	707	8.7	748	8.7	771	8.7	785	8.7	22.7	26.49
60			480	8.0	572	8.2	667	8.6	706	8.7	727	8.7	741	8.7	27.2	31.79
70			455	7.9	542	8.1	632	8.4	669	8.6	690	8.6	702	8.7	31.8	37.09
80			434	7.7	517	8.1	603	8.4	639	8.4	658	8.6	670	8.6	36.3	42.39
90			419	7.7	498	8.0	581	8.2	616	8.4	634	8.4	646	8.4	40.9	47.68
100	1.000	682	8.6											45.4	52.98	

***Average Power must not exceed 20 Watts**

YELLOW MaxLED-200 WIDE BEAM (8.1 Degrees)

From Scan Input Voltage [VDC] 24.04 at 25°C Vertical Divergence 8.1 deg. @ 50%
From Scan Current [Amps] 1.694
From Scan 10th pctile Fixed Intensity [cd] 469 cd @ 100%

Input Power [Fraction of Full Power] = 100 % W 40.7 Adjusted														12 Volts		
YELLOW			Shortest flash on time in the character (Seconds)											Ave. Pwr* [Watts]	14 hour night Ah/day	
Duty Cycle	cd	nm	0.3		0.5		1		1.5		2		2.5			
			efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm	efi-cd	nm		
10			377	7.5	449	7.7	524	8.1	555	8.2	571	8.2	582	8.2	4.1	4.75
15			372	7.5	442	7.7	516	8.1	546	8.1	563	8.2	573	8.2	6.1	7.13
20			365	7.5	434	7.7	506	8.1	536	8.1	552	8.2	563	8.2	8.1	9.50
25			358	7.3	427	7.7	498	8.0	527	8.1	543	8.1	553	8.2	10.2	11.88
30			352	7.3	419	7.7	489	8.0	518	8.1	534	8.1	543	8.1	12.2	14.25
35			347	7.3	413	7.7	482	8.0	510	8.1	525	8.1	535	8.1	14.3	16.63
40			341	7.3	405	7.7	473	7.9	501	8.1	516	8.1	526	8.1	16.3	19.00
50			329	7.2	392	7.5	457	7.9	484	8.0	499	8.0	508	8.1	20.4	23.76
60			319	7.2	379	7.5	443	7.7	469	7.9	483	8.0	492	8.0	24.4	28.51
70			309	7.2	367	7.5	428	7.7	454	7.9	467	7.9	476	7.9	28.5	33.26
80			298	7.0	355	7.3	414	7.7	439	7.7	452	7.9	460	7.9	32.6	38.01
90			290	7.0	345	7.3	403	7.7	426	7.7	439	7.7	447	7.7	36.7	42.76
100	1.000	469	7.9											40.7	47.51	

***Average Power must not exceed 20 Watts**