


## Illumination Distances - VIS Products Summary

Updated 11-2-12


### Single VIS 40W Unit, 850nm

FOV Setting	Distance		Pattern Width	
	m	ft	m	ft
9	199	652	31	103
10	175	575	31	101
12	140	460	29	97
15	113	370	30	97
20	89	293	31	103
25	76	249	34	111
30	67	221	36	118
35	61	200	38	126
40	56	184	41	134
50	49	161	46	151
60	44	145	51	167
70	41	133	57	186
80	38	123	63	207
90	35	115	70	231
95	34	112	74	244




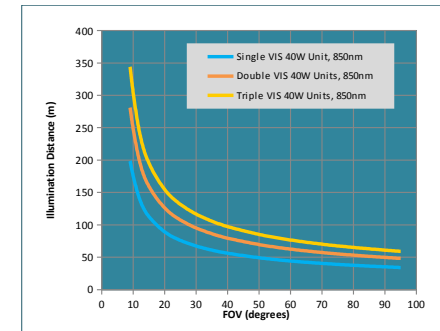
### Double VIS 40W Units, 850nm Both units aligned for furthest distance

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	281	922	44	145
10	248	813	43	142
12	198	650	42	137
15	159	523	42	138
20	126	414	44	146
25	107	353	48	156
30	95	312	51	167
35	86	283	54	178
40	79	261	58	190
50	70	228	65	213
60	62	205	72	237
70	57	188	80	263
80	53	174	89	293
90	50	163	100	327
95	48	158	105	345




### Triple VIS 40W Units, 850nm Three units aligned for furthest distance

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	344	1129	54	178
10	303	996	53	174
12	243	797	51	167
15	195	640	51	169
20	154	507	54	179
25	132	432	58	191
30	117	382	62	205
35	106	347	67	219
40	97	319	71	232
50	85	280	79	261
60	77	251	88	290
70	70	230	98	322
80	65	214	109	359
90	61	200	122	400
95	59	194	129	423


### Single VIS 80W Unit, 850nm

FOV Setting	Distance		Pattern Width	
	m	ft	m	ft
9	271	890	43	140
10	239	783	42	137
12	191	626	40	132
15	153	503	40	133
20	122	399	43	141
25	104	340	46	151
30	92	302	49	162
35	83	273	53	172
40	77	252	56	183
50	67	221	63	206
60	61	199	70	230
70	56	182	78	255
80	52	169	86	284
90	48	158	97	317
95	47	153	102	334




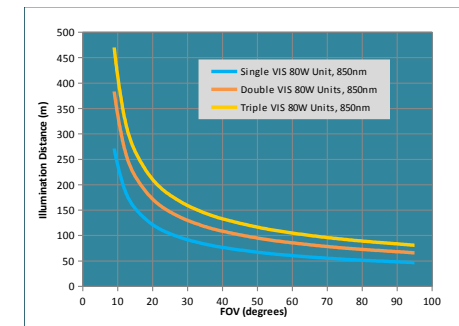
### Double VIS 80W Units, 850nm Both units aligned for furthest distance

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	384	1259	60	198
10	338	1108	59	194
12	270	885	57	186
15	217	712	57	187
20	172	564	61	199
25	147	481	65	213
30	130	426	70	228
35	118	386	74	244
40	109	356	79	259
50	95	312	89	291
60	86	281	99	325
70	78	257	110	361
80	73	239	122	401
90	68	224	137	448
95	66	217	144	473



### Triple VIS 80W Units, 850nm Three units aligned for furthest distance

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	470	1542	74	243
10	414	1357	72	237
12	330	1084	69	228
15	266	872	70	230
20	211	691	74	244
25	180	589	80	261
30	159	522	85	280
35	144	473	91	298
40	133	436	97	318
50	117	382	109	357
60	105	344	121	398
70	96	315	135	442
80	89	293	150	491
90	84	274	167	549
95	81	265	177	579

## Illumination Distances - VIS Products Summary

Updated 11-2-12

### Single VIS 40W Unit, White Light

Estimated Data - Real Measurement Not Made Yet

FOV Setting	Distance		Pattern Width	
	m	ft	m	ft
6	149	487	16	51
8	124	407	17	57
10	104	342	18	60
12	89	290	19	61
15	71	232	19	61
17	62	203	19	61
20	53	173	19	61
25	44	144	19	64
30	40	132	22	71
40	37	122	27	89
50	36	118	34	110
60	36	117	41	135
70	36	117	50	163



### Double VIS 40W Units, White Light

Both units aligned for furthest distance

Estimated Data - Real Measurement Not Made Yet

FOV Setting (Each Unit)	FOV Setting (Gang Product)	Distance		Pattern Width	
		m	ft	m	ft
6	6	210	689	22	72
8	8	176	576	25	81
10	10	148	484	26	85
12	12	125	411	26	86
15	15	100	328	26	86
17	17	88	288	26	86
20	20	75	244	26	86
25	25	62	203	27	90
30	30	57	187	31	100
40	40	53	172	38	125
50	50	51	167	48	156
60	60	51	166	58	191
70	70	50	165	70	231

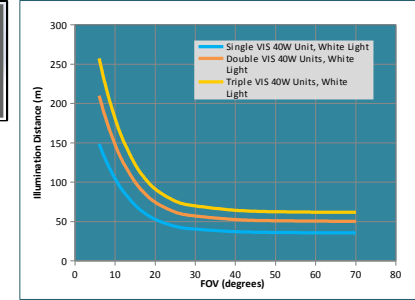


### Triple VIS 40W Units, White Light

Three units aligned for furthest distance

Estimated Data - Real Measurement Not Made Yet

FOV Setting (Each Unit)	FOV Setting (Gang Product)	Distance		Pattern Width	
		m	ft	m	ft
6	6	257	844	27	88
8	8	215	706	30	99
10	10	181	593	32	104
12	12	153	503	32	106
15	15	122	402	32	106
17	17	107	352	32	105
20	20	91	299	32	106
25	25	76	249	34	110
30	30	70	229	37	123
40	40	64	211	47	154
50	50	62	205	58	191
60	60	62	203	71	234
70	70	62	202	86	283



### Single VIS 80W Unit, White Light

FOV Setting	Distance		Pattern Width	
	m	ft	m	ft
6	210	689	22	72
8	176	576	25	81
10	148	484	26	85
12	125	411	26	86
15	100	328	26	86
17	88	288	26	86
20	75	244	26	86
25	62	203	27	90
30	57	187	31	100
40	53	172	38	125
50	51	167	48	156
60	51	166	58	191
70	50	165	70	231



### Double VIS 80W Units, White Light

Both units aligned for furthest distance

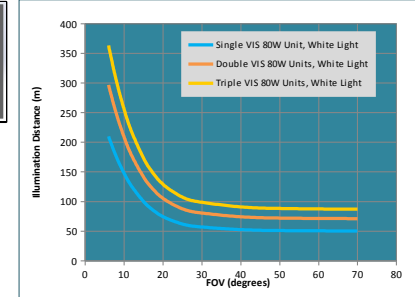
FOV Setting (Each Unit)	FOV Setting (Gang Product)	Distance		Pattern Width	
		m	ft	m	ft
6	6	297	974	31	102
8	8	248	815	35	114
10	10	209	685	37	120
12	12	177	581	37	122
15	15	141	464	37	122
17	17	124	407	37	122
20	20	105	346	37	122
25	25	88	288	39	128
30	30	81	264	43	142
40	40	74	244	54	177
50	50	72	237	67	221
60	60	71	234	82	271
70	70	71	233	100	327



### Triple VIS 80W Units, White Light

Three units aligned for furthest distance

FOV Setting (Each Unit)	FOV Setting (Gang Product)	Distance		Pattern Width	
		m	ft	m	ft
6	6	364	1193	38	125
8	8	304	998	43	140
10	10	256	839	45	147
12	12	217	711	46	150
15	15	173	568	46	150
17	17	152	498	45	149
20	20	129	423	46	149
25	25	107	352	48	156
30	30	99	324	53	174
40	40	91	298	66	217
50	50	88	290	82	270
60	60	87	287	101	331
70	70	87	286	122	400




## Illumination Distances - VIS Products Summary

Updated 11-2-12

### Single VIS 40W Unit, 940nm

Estimated Data - Real Measurement Not Made Yet

FOV Setting	Distance		Pattern Width	
	m	ft	m	ft
9	109	359	17	56
10	96	316	17	55
12	77	253	16	53
15	62	203	16	54
20	49	161	17	57
25	42	137	19	61
30	37	121	20	65
35	34	110	21	69
40	31	101	23	74
50	27	89	25	83
60	24	80	28	92
70	22	73	31	102
80	21	68	35	114
90	19	64	39	127
95	19	62	41	134




### Double VIS 40W Units, 940nm

Both units aligned for furthest distance

Estimated Data - Real Measurement Not Made Yet

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	155	507	24	80
10	136	447	24	78
12	109	358	23	75
15	88	288	23	76
20	69	228	24	80
25	59	194	26	86
30	52	172	28	92
35	47	156	30	98
40	44	143	32	104
50	38	126	36	117
60	34	113	40	130
70	31	103	44	145
80	29	96	49	161
90	27	90	55	180
95	27	87	58	190


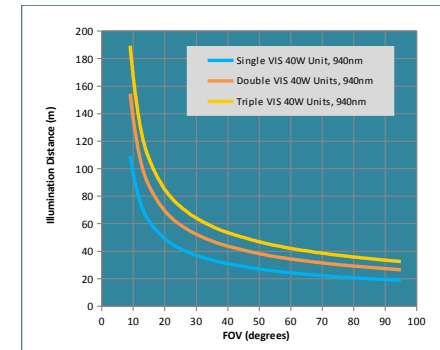


### Triple VIS 40W Units, 940nm

Three units aligned for furthest distance

Estimated Data - Real Measurement Not Made Yet


FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	189	621	30	98
10	167	548	29	96
12	134	438	28	92
15	107	352	28	93
20	85	279	30	98
25	72	238	32	105
30	64	210	34	113
35	58	191	37	120
40	54	176	39	128
50	47	154	44	143
60	42	138	49	160
70	39	127	54	177
80	36	118	60	197
90	34	110	67	220
95	32	107	71	233

### Single VIS 80W Unit, 940nm

Estimated Data - Real Measurement Not Made Yet

FOV Setting	Distance		Pattern Width	
	m	ft	m	ft
9	149	490	23	77
10	131	431	23	75
12	105	344	22	72
15	84	277	22	73
20	67	219	24	77
25	57	187	25	83
30	51	166	27	89
35	46	150	29	95
40	42	139	31	101
50	37	121	35	113
60	33	109	38	126
70	31	100	43	140
80	28	93	48	156
90	27	87	53	174
95	26	84	56	184




### Double VIS 80W Units, 940nm

Both units aligned for furthest distance

Estimated Data - Real Measurement Not Made Yet

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	211	692	33	109
10	186	609	32	107
12	148	487	31	102
15	119	391	31	103
20	95	310	33	109
25	81	265	36	117
30	71	234	38	126
35	65	213	41	134
40	60	196	43	143
50	52	172	49	160
60	47	155	54	179
70	43	142	60	198
80	40	131	67	221
90	38	123	75	246
95	36	119	79	260



### Triple VIS 80W Units, 940nm

Three units aligned for furthest distance

Estimated Data - Real Measurement Not Made Yet

FOV Setting (Gang Product)	Distance		Pattern Width	
	m	ft	m	ft
9	258	848	41	133
10	227	746	40	131
12	182	596	38	125
15	146	479	38	126
20	116	380	41	134
25	99	324	44	144
30	88	287	47	154
35	79	260	50	164
40	73	240	53	175
50	64	210	60	196
60	58	189	67	219
70	53	173	74	243
80	49	161	82	270
90	46	151	92	302
95	44	146	97	319

