



LED-Searchlights 2017

SEEMATZ LED Searchlights # Edition 2017

We are proud to present the next stage of development of our tried and tested LED searchlights.

In addition to the further improvement of our 273 and 351 LED searchlights, our tried and tested 463 model has been completely revised. With this we have met the numerous customer requirements for LED searchlights with even more range and light performance.

The 463nb has been developed for maximum range. With only 205 watts but more than 20.000Lm bundled at 3 ° exit angle we reach a range not known before for LED spotlights. For the first time the requirements for the searchlights are fulfilled on "Fire Fighting Ships".

The type 463wb has been developed for excellent illumination at a medium range. 220 Watt, 36,000Lm with a light exit angle of 11 ° - Perfect conditions for those who need a lot of light at an adequate range.

Technical data LED-Searchlights

	273wb	351nb	351wb	463nb	463wb
LED-power [W]	75	112	150	205	220
Luminous flux [lm]	10940	11100	21879	20345	35900
Exit angle [°]	11°	3°	11°	3°	11°



LED-Searchlight narrow beam 3°

351nb Light data

Distance[m]	Diameter [m]	illum. area [m ²]	Illuminance [lx]
250	13,09	134,57	82,49
500	26,19	538,70	20,62
1000	52,37	2153,98	5,16
2000	104,74	8615,93	1,29
3000	157,12	19388,31	0,57

0,25lx in 4500m -> Ø 235,67m; ■ 43621m²

463nb Light data

Distance[m]	Diameter [m]	illum. area [m ²]	Illuminance [lx]
250	13,09	134,57	151,19
500	26,19	538,70	37,8
1000	52,37	2153,98	9,45
2000	104,74	8615,93	2,36
3000	157,12	19388,31	1,05

0,25lx in 6200m -> Ø 324,7m; ■ 82809m²

LED-Searchlights wide beam 11°

273wb Light data

Distance[m]	Diameter [m]	illum. area [m ²]	Illuminance [lx]
250	48,1	1820	6,05
500	96,3	7281	1,51
750	144,4	16383	0,67
1000	192,6	29127	0,38
1250	240,7	45509	0,25

0,25lx in 1250m -> Ø 240,72m; ■ 45509m²

351wb Light data

Distance[m]	Diameter [m]	illum. area [m ²]	Illuminance [lx]
250	48,1	1820	12,1
500	96,3	7281	3,03
750	144,4	16383	1,34
1000	192,6	29127	0,76
1250	240,7	45509	0,48

0,25lx in 1750m -> Ø 337m; ■ 89197m²

463wb Light data

Distance[m]	Diameter [m]	illum. area [m ²]	Illuminance [lx]
250	48,1	1820	19,86
500	96,3	7281	4,96
750	144,4	16383	2,21
1000	192,6	29127	1,24
1250	240,7	45509	0,79

0,25lx in 2250m -> Ø 433,3m; ■ 147458m²