



# LED-searchlight 3rd Generation

## SEEMATZ LED SEARCHLIGHT # 3rd Generation

We are pleased to present the next development stage of our proven 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.

We have met the numerous customer requirements for LED headlights with even more range and light power.

The 463nb has been developed for maximum range. 205 watts with more than 20.000lm focused to 3° light beam, we achieve a range not known for LED searchlights. For the first time the requirements for the searchlights on "Fire Fighting Ships" are fulfilled.

The 463wb has been developed for excellent illumination at a medium range. 220 watts, 36,000lm with a beam angle of 11° - perfect conditions for those who need a lot of light at an adequate range.

### Technical data LED-searchlight

	273nb	273wb	351nb	351wb	463nb	463wb
<b>LED-power [W]</b>	56	75	112	150	205	220
<b>Luminous flux [lm]</b>	5500	10940	11100	21879	20345	35900
<b>Beam angle [°]</b>	3°	11°	3°	11°	3°	11°





# LED-searchlight narrow beam 3°

## 273nb light data

	diameter [m]	Illuminated area[m <sup>2</sup> ]	iluminance [lx]
distance=250m	13,09	134,57	39,31
distance=500m	26,19	538,70	10,01
distance=1000m	52,37	2153,98	2,52
distance=1500m	78,81	4878,57	1,11
distance=2000m	104,74	8659,27	0,63

0,25lx in 3200m -> Ø 167,23m; ■ 22128m<sup>2</sup>

## 351nb light data

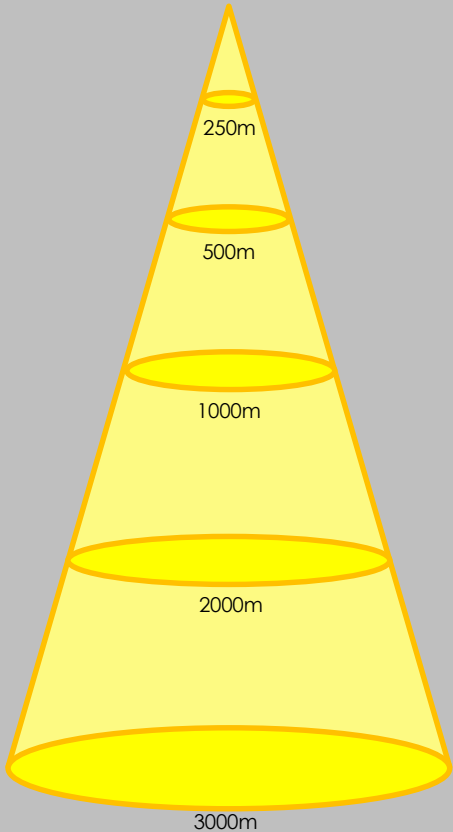
	diameter [m]	Illuminated area[m <sup>2</sup> ]	iluminance [lx]
distance=250m	13,09	134,57	82,49
distance=500m	26,19	538,70	20,62
distance=1000m	52,37	2153,98	5,16
distance=2000m	104,74	8615,93	1,29
distance=3000m	157,12	19388,31	0,57

0,25lx in 4500m -> Ø 235,67m; ■ 43621m<sup>2</sup>

## 463nb light data

	diameter [m]	Illuminated area[m <sup>2</sup> ]	iluminance [lx]
distance=250m	13,09	134,57	151,19
distance=500m	26,19	538,70	37,8
distance=1000m	52,37	2153,98	9,45
distance=2000m	104,74	8615,93	2,36
distance=3000m	157,12	19388,31	1,05

0,25lx in 6200m -> Ø 324,7m; ■ 82809m<sup>2</sup>





# LED-searchlight wide beam 11°

## 273wb light data

	diameter [m]	Illuminated area[m <sup>2</sup> ]	iluminance [lx]
distance=250m	48,1	1820	6,05
distance=500m	96,3	7281	1,51
distance=750m	144,4	16383	0,67
distance=1000m	192,6	29127	0,38
distance=1250m	240,7	45509	0,25

0,25lx at 1250m -> Ø 240,72m; ■ 45509m<sup>2</sup>

## 351wb light data

	diameter [m]	Illuminated area[m <sup>2</sup> ]	iluminance [lx]
distance=250m	48,1	1820	12,1
distance=500m	96,3	7281	3,03
distance=750m	144,4	16383	1,34
distance=1000m	192,6	29127	0,76
distance=1250m	240,7	45509	0,48

0,25lx at 1750m -> Ø 337m; ■ 89197m<sup>2</sup>

## 463wb light data

	diameter [m]	Illuminated area[m <sup>2</sup> ]	iluminance [lx]
distance=250m	48,1	1820	19,86
distance=500m	96,3	7281	4,96
distance=750m	144,4	16383	2,21
distance=1000m	192,6	29127	1,24
distance=1250m	240,7	45509	0,79

0,25lx at 2250m -> Ø 433,3m; ■ 147458m<sup>2</sup>

