



ALDEBARAN® RAPTOR RP LED SERIES

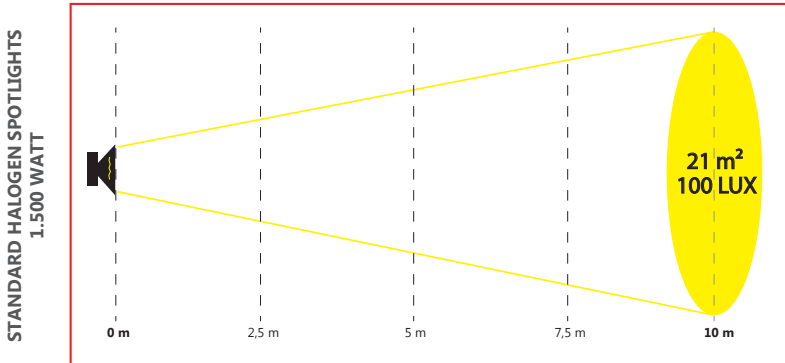
- **Efficiency redefined** - Like the primeval Veloce-raptors, the floodlights of the **RAPTOR RP** LED series belong to the most efficient of their species. Designed to replace energy intensive traditional halogen floodlights, our entire engineering art went into this series. The SETO Xpect lens system collects the produced LED light and produces the perfect illumination of the place of action via a multitude of specially calculated single lenses. The created beam characteristic is not only a recreation of a common halogen light, but it was optimised considerably.
- The result speaks for itself: A continuously steady illumination of the surrounding area.
- An LED floodlight of the **RAPTOR** series consumes less than a sixth of the energy of comparable halogen floodlight at up to 40% of higher light quantity at the same time.



The max. lumen measuring values indicated at products with the quality seal **REAL Lumen** (RL) are generally **really** achieved values concerning the complete product incl. reflector, spreading lens etc. and correspond not only to the theoretical max. values of the used illuminant. For this purpose, we measure accordingly marked products in our own light laboratory under real operating conditions ourselves.

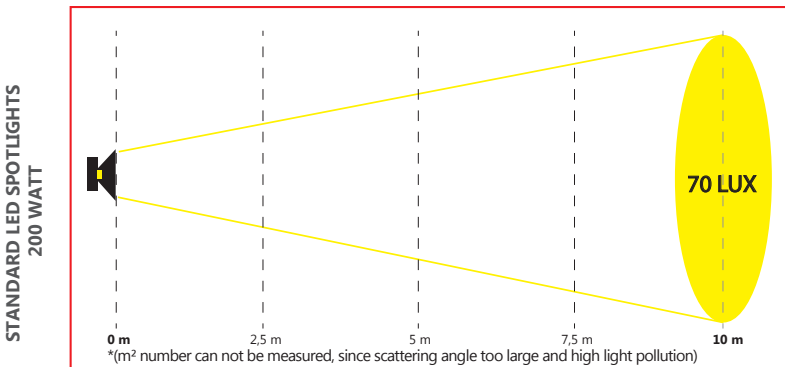


Comparison between halogen, standard LED and ALDEBARAN Raptor RP LED technology



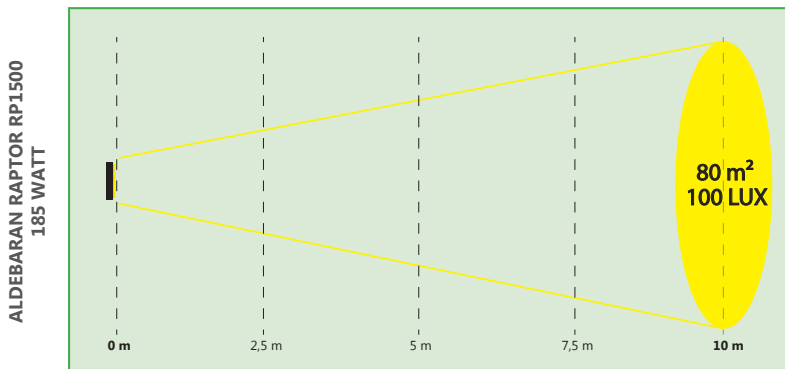
- + Relatively homogeneous light distribution
- High energy consumption
- Low total efficiency
- High operating temperature
- Short life span of light source

VS



- Mostly high scattering effect (high light pollution), accompanied by in homogeneous light distribution
- + Reduced energy consumption
- + Increased total efficiency
- + Average operating temperature
- Reduced LED life span due to lack of cooling systems

VS



- + Homogeneous light image by asymmetrical Xpect lens system (reliably prevents unwanted light scattering)
- + Lowest energy consumption
- + Maximized total efficiency
- + Low operating temperature
- + No need to replace LED light sources

Electrical Data	VS			VS		
	RP500 LED	RP1000 LED	1000 W Halogen	RP1500 LED	1500 W Halogen	RP1000 LED 24V
Input voltage	100 - 240 V AC	100 - 240 V AC	230 V AC	100 - 240 V AC	230 V AC	20-32 V AC
Power consumption	60 W	160 W	1.000 W	185 W	1.500 W	150 W
Photometric Data						
Illuminant	Xpect LED module 1 x	Xpect LED module 2 x	Halogen 1000 W	Xpect LED module 3 x	Halogen 1500 W	Xpect LED module 2 x
Luminous flux (REAL Lumen)*	6.300 lm	14.500 lm	10.500 lm	18.500 lm	15.700 lm	13.000 lm
Light colour approx.	5000 °K	5000 °K	-	5000 °K	-	5000 °K
CRI	>80	>70	-	>70	-	>70
Life time approx.	50.000 hrs	50.000 hrs	2.000 hrs	50.000 hrs	2.000 hrs	50.000 hrs
General Data						
Ambient temperature	-40 °C to +50 °C	-40 °C to +50 °C	-	-40 °C to +50 °C	-	-20 °C to +40 °C
Dimensions (LxWxH) approx.	340x272x130 mm	340x272x130 mm	-	340x352x130 mm	-	340x272x130 mm
Weight approx.	5,0 kg (with cable)	5,95 kg (with cable)	-	7,05 kg (with cable)	-	5,95 kg (with cable)
IP code	IP65	IP65	-	IP65	-	IP65
Item-No.:	1410000828	1410000827	-	1410000825	-	1410000850

*Lumen = Lm / In the „Lumen REAL“ is REAL measured light output quantities.