



Navigation Lights



Signalling Lights



Searchlights



Air Horns

DHR 300RCB

The brand-new 300RCB-series proves again that DHR has the know-how and know-why for adopting the best LED-technology available for searchlights. A perfect solution for tugs, workboats, high speed vessels and pilot boats. A big advancement, which uses a new revolutionary LED-chip having the highest lumen output per square mm². It boosts up to 20,000 lumens from an area less than a square centimetre. Combine this with an optical system consisting of a glass lens and a silver-mirror reflector, it creates the highest performing LED searchlight to date.



IMPORTANT FEATURES

- Seawater resistant aluminium with a powder coated finish
- 316L stainless steel brackets
- Parabolic silverplated glass mirror
- Remote controlled focus
- Protective vent in drum

APPLICATION

All types of seagoing vessels, such as tugs, pilot vessels, high speed vessels et cetera

SPECIFICATIONS

Light Source:	LED
Power Supply:	230VAC
Power consumption:	250 Watt
Range:	>1,700 meters (5,580 ft)
Operation Temperature:	-25 to +45 °C (-13 to 113 F)
Protection Class:	IP66

QUALITY STANDARDS



Excellent Optics



Maintenance Friendly



Focus Control



Light Weight Construction



IP 66

Waterproof
IP66






LED Technology



Advanced Maritime Signalling Solutions

PERFORMANCE & FEATURES



Model	230RCB220	300RCB220	420RCB220
Dimensions			
Height	617 mm (24.3")	758 mm (29.8)	876 mm (34.5")
Width	277 mm (10.9")	557 mm (21.9")	530 mm (20.9")
Weight	16 Kg (35 lbs.)	28 Kg (62 lbs.)	30 Kg (66 lbs.)
Electrical			
Input voltage searchlight		230 VAC	
Input voltage control panel		19-32 VDC	
Frequency range		50 - 60 Hz	
Power consumption	75 W	250 W	2,000 W
Performance Optical Unit			
Optical system	Silverplated mirror reflector	Silverplated mirror reflector & glass lens	Silverplated mirror reflector
Light source	 LED	 LED	 Bulb
Range	± 800 m (2,625 ft.)	1,732 m (5,680 ft.)	1,225 m (3,690 ft.)
Adjustable Focus	—	✓	✓
Beam angle at 50%	6° x 6°	From 4° up to	From 6,5° up to
Luminous intensity	600,000 cd	20°3,200,000 cd	20°1,500,000 cd
Luminous flux	8,767 lm	17,000 lm	52,000 lm
Average life-time	50,000hrs	30,000 hrs	180 hrs
Color temperature	5,000 K	6,200 K	3,200 K
Performance Motor Unit			
Tilt	+ 25° / - 60°	+ 20° / - 25°	+ 20° / - 25°
PAN		340°	
Max. speed left / right approx.		34° / sec	
Max. speed up / down approx.		3.2° / sec	
General			
Material	Chromated seawater resistant aluminium		
Finish	UV resistant powder coating - White RAL9016		
Front glass	Hardened glass		
Seals	Silicone / Neoprene, black		
Cable gland	M25x1.5		
Operating temperature	- 25° / + 45° C (-13 / 113 F)		
Ingress protection class	IP66 c/w Membrane vent		



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