



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 mm<sup>2</sup>. 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 metres
Operation Temperature:	-25 to +45 °C
Protection Class:	IP66

## QUALITY STANDARDS



Excellent Optics



Maintenance Friendly



Focus Control



Light Weight Construction



Waterproof IP66



LED Technology



Advanced Maritime Signalling Solutions

# PERFORMANCE & FEATURES



Model	350RCN220	300RCB220	420RCB220
<b>Dimensions</b>			
Height	377 mm	758 mm	876 mm
Width	377 mm	557 mm	530 mm
Weight	16,6 Kg	28 Kg	30 Kg
<b>Electrical</b>			
Input voltage searchlight		230 VAC	
Input voltage control panel		19-32 VDC	
Frequency range		50 - 60 Hz	
Power consumption	1.000 W	250 W	2.000 W
<b>Performance Optical Unit</b>			
Optical system	Silverplated mirror reflector	Silverplated mirror reflector & glass lens	Silverplated mirror reflector
Light source	Tungsten halogen	LED	Tungsten halogen
Range	1.104 m	1.732 m	1.225 m
Adjustable Focus	✘	✔	✔
Beam angle at 50%	3,5° x 2,5°	From 4° up to 20°	From 6,5° up to 20°
Luminous intensity	1.220.000 cd	3.200.000 cd	1.500.000 cd
Luminous flux	22.500 lm	17.000 lm	52.000 lm
Average life-time	300 hrs	30.000 hrs	180 hrs
Color temperature	3200 K	6200 K	3200 K
<b>Performance Motor Unit</b>			
Tilt	+ 25° / - 25°	+ 20° / - 25°	+ 20° / - 25°
PAN		340°	
Max. speed left / right approx.	34°/ sec		16 or 34°/ sec
Max. speed up / down approx.	3,2° / sec		1,6 or 3,4°/ sec
<b>General</b>			
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		
Ingress protection class	IP66 c/w Membrane vent		



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