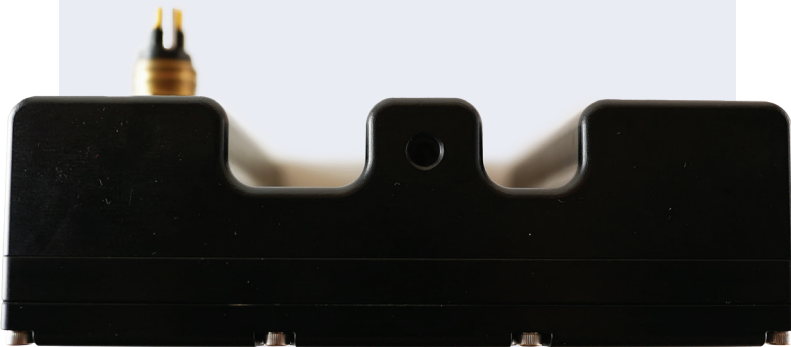


# StarGazer

LIGHTING  
SERIES



## Ultra-wide flood panel task light

### Features

- ▶ High-output, 20,000-lumen, continuous, dimmable torch light for general purpose lighting applications
- ▶ Rated for use down to 6,000 meters
- ▶ Multidrop RS232, RS485 dimming control (up to 254 soft addresses)
- ▶ Automatic thermal self-protection
- ▶ Durable, hard-anodized 6061 aluminum housing
- ▶ Drop-in replacement for popular panel lights

Technical specifications on reverse.

Arctic Rays specializes in deep-sea lighting and imaging systems and other custom solutions specifically for use on AUVs, ROVs, manned submersibles and other offshore and underwater structures.

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**ARCTIC RAYS**  
SUBSEA TECHNOLOGIES

# StarGazer

## Technical Specifications

PARAMETER	SPECIFICATION
Model Number	AR 110
<b>OPTICAL</b>	
Operating Mode	Continuous torch; dimmable
Color channels	One
Output	20,000 Lm @ 5,700K
Color Temperature	5,700K
Color Rendering Index	80 min.
Beam Angle (FWHM)	120° wide flood
<b>ELECTRICAL</b>	
Voltage	280–340 VDC or 200–240 VAC
Power	180 W
Max Input Current	0.5 A
Dimming Method	Pulse width modulation; 0–100% duty cycle in 1% increments
PWM Frequency	44 kHz
Efficacy	110 Lm/W
<b>INTERFACE</b>	
Connector	Subconn MCBH8M
Control	Multidrop RS232 or RS485 (2-wire) serial; 254 soft addresses
<b>MECHANICAL</b>	
Weight	1.69 kg in air; 860 g in seawater
Materials	6061-T6 aluminum housing (AHC black); acrylic window
<b>ENVIRONMENTAL</b>	
Depth Rating	6,000 m (19,700 ft)
Temperatures	-10°C to 40°C operating; -25°C to 85°C storage

