

Warranty and Service Policy

Limited Warranty

AMRON INTERNATIONAL, INC warrants that its products are free from defects in material and workmanship under normal use and service, as described in AMRON INTERNATIONAL, INC literature covering this product, for a period of 90 days from the date of shipment. AMRON's obligation under this warranty is limited to the repair or replacement, at AMRON's option, of defective material. This warranty shall not cover defects which are the result of misuse, negligence, accident, repair, or alterations.

Service Policy

For technical assistance or to request a repair, please call (760) 208-6500, Monday – Friday, 8 a.m. to 5 p.m. PT. Have the model number and serial number handy and be prepared to offer as much information as possible about the problem.

Please do not return any product without obtaining a return authorization number. Detailed instructions will be provided at the time of request.



User Manual
For
Amron International, Inc.

7140 Standard LED Hyperbaric Chamber Light

This manual and the information contained herein are provided for the use as an operation and maintenance guide. No license or rights to manufacture, reproduce, or sell either the manual or articles described herein are given. Amron International, Inc. reserves the right to change specifications without notice.

DISCLAIMER NOTICE: Amron's hyperbaric chamber light products are designed to be used in air chambers where oxygen concentrations remain below 23.5%. Our hyperbaric products (including external conditioning systems, internal conditioning systems, lights and other hyperbaric accessory items) are NOT designed for oxygen service, are not intrinsically safe, and do not meet the criteria given in NFPA-99, Chapter 20 and other applicable definitions. Use of our products in high-concentration Oxygen environments may result in serious injury and/or death.

Introduction

Amron International's 7140 Standard LED Hyperbaric Chamber Lights uses a standard GX5.3 standard electrical base connector to allow the use of standard MR-16 light bulbs rated at 50 Watts or less. To reduce heat build-up in the chamber, the 7140 comes standard with a 4.2 Watt LED bulb. This bulb provides illumination levels comparable to 30 Watt Halogen bulbs. The 7140 comes with an industry standard 3-pin connector.

Electrical Specifications (Standard LED Bulb)

Operating Voltage Range.....	10-28 V _{DC}
Input Power.....	5 Watts (maximum)
Color Temperature.....	4000K
Beam Angle.....	30°
Light Level.....	300 lumens

Mechanical Specifications

Housing.....	6061 Aluminum
Finish.....	Black Hard Anodized, MIL-A-8625, type III class 2
Pressure Rating.....	1000 fsw (300 msw)
Mating Connector.....	RMG-3-FS
Locking Sleeve	
Delrin - Marsh Marine.....	G-FLS-D
Stainless Steel - Marsh Marine.....	G-FLS-S
Dimensions	
Height.....	3.15 inches (80 mm)
Body Diameter.....	3.3 inches (84 mm)
Mounting Plate.....	4.5 inches (114 mm)
Weight.....	1.50 lbs (0.68 kg)
Mounting Holes	
Industry Standard Two 0.25 inch (6.35 mm) diameter mounting holes with a 3.82 inch (97 mm) spacing.	



Controls and Connections

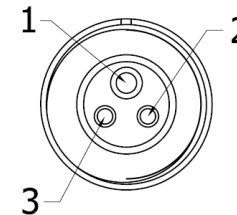
1	Power Connector	P/N 160-0003-01
2	Vent Fitting - DO NOT BLOCK	P/N 520-0023-01
	LED Light Bulb, 4.2 Watts, 4000K	P/N 170-1001-01

Options

Blue Lens Filter	P/N 245-0004-01
Red Lens Filter	P/N 245-0003-01
Magnetic Base	P/N 540-0021-01

The Magnetic Base attaches to the mounting plate using a 1/4-20 by 1/2 inch deep threaded hole in the bottom of the base plate.

Note: When installing chamber wiring, lighting power lines should not be routed with unshielded communicator wiring.



7140	
PIN #	Function
1	V+
2	Safety Ground
3	V-