



BIRNS Emergency Light 4702 Technical Data

PHYSICAL:

Dimensions

Height:	48 cm (19 inches)
Width:	38 cm (15 inches)
Depth:	10 cm (4 inches)
Weight:	17.7 kg (39 pounds)

Mounting

Wall Mounting Type:	five attachment points for convenience (use of three or more is required)
---------------------	---

Materials

Housing/Box:	stainless steel type 304
Cover:	stainless steel type 304
Internal brackets:	stainless steel type 304
All hardware:	stainless steel type 316 (or 300-series)
Lamp heads:	300-series stainless steel
All labels:	glare-free adhesive Mylar (PET)
PCB assembly:	fiberglass, clad with tin-plated copper
Wire insulation:	color-coded XLPE insulation, stranded copper conductors

Environmental

Operating temperature range:	0°C (32°F) to 50°C (122°F)
------------------------------	----------------------------

ELECTRICAL:

Input

AC Supply Voltage options:	120, 220, 240, 277 or 380 VAC
Supply frequency:	50 or 60 Hz

Power Draw

Standby (batteries fully charged):	12-14 watts (.10A to .12A on 120VAC)
------------------------------------	--------------------------------------



Incandescent Lamp

Type of lamp:	Sealed Beam, PAR 36 format
Bulb Designation:	PAR 36, 144mm (4.5") nominal diameter
Filament:	C-6
Rated Average Lifetime:	300 hours
Wattage:	18W
Voltage:	12.8V

Photometric

Beam Spread – Horizontal:	50.0 – 10.0°
Beam Spread – Vertical:	25.0 – 10.0°
Max. Beam Candlepower:	1500.0
Color Temperature:	2100K

BATTERIES:

General

Number of Batteries per fixture:	2
Type of Battery:	Sealed flat-plate gelled electrolyte lead-acid
Number of cells per battery:	3
Nominal Voltage:	6 VDC
Discharge operation time:	24 hours (min) at rated LED lamp wattage
Maximum storage period:	30 days without charging and temperature limitations.
Total Battery Capacity:	36 amp-hours
Battery Weight:	5.50 kg (12 lbs) each
Electrode plates:	Lead-calcium alloy, antimony-free
Plate separators:	Woven glass fiber cloth
Electrolyte:	Immobilized (gelled) dilute inorganic acid
Container:	ABS Plastic (UL94-HB)
Terminals:	Tin-plated brass
Relief Valve seal:	Neoprene rubber
Container seal:	Polyurethane
U.L. recognized file number:	MH 20845