

Gemini Unit 6, 12 & 24V Vandal Resistant Battery Units

Job/Location: _____

Contractor: _____ Prepared By: _____

Model Number: _____ Date: _____

6, 12 or 24V up to 320W

Vandal resistant design

Durable 20 gauge steel housing



MR16 halogen and LED lamps up to 50W

High-efficiency two stage charger

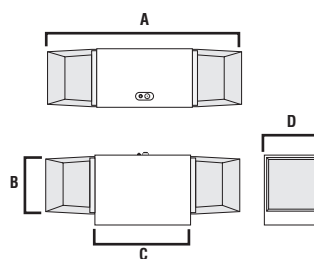


INDUSTRIAL APPLICATION EMERGENCY

EXTERNAL SPECIFICATIONS

The **GEMINI** series is constructed with a 20 gauge steel cabinet. Sturdy terminal connectors allow for larger gauge wires to be connected for remote loads. White finish is standard (other colours optional). Emergency lighting head cubes are molded from high impact polycarbonate. Lamp and reflector assemblies are offered in a fully adjustable, high output PAR18 or MR16 configuration. Universal mounting pattern and key hole slots are stamped into the backplate.

DIMENSIONS (MM, IN.)



Cabinet	Wattage	A	B	C	D
#1	(6V 36-80W) (12V 72-150W)	533mm 21"	140mm 5 1/2"	305mm 13"	140mm 5 1/2"
#2	(6V 90-160W) (12V 180W) (24V 144-320W)	686mm 27"	127mm 5 1/2"	457mm 19"	140mm 5 1/2"

NOTE: Cabinet number may change based on your option combination. Please contact factory for details.

ORDERING INFORMATION

Series	Operation	Capacity (Wattage)	Heads	Lamp Type	Options
GI	6 (Volt DC)	See model rating guide	2 (Two [2] x polycarbonate cubes)	See lamp guide above	NC (Ni-Cd batteries, see guide)
	12 (Volt DC)				CC (Custom colour - specify)
	24 (Volt DC)				*TD (Time delay - specify 5, 10, 20 mins)
					TP (Tamper proof screws)
					*RFS (Radio frequency suppression)
					AT (Auto-test self-diagnostics)
					IRT (Infra-red remote control)
					HHC (Controller for IRT)
					HT (High operating temperature)

NOTE: Standard 120/277/347V input *AC voltage must be specified

EXAMPLE: GI-12-90-2-20WQ

DESCRIPTION: Gemini emergency only battery unit, 120/347AC Input, 12VDC Output, 90W for 30 minutes, 2 x 20W quartz lamps.

MODEL RATING GUIDE

Model	Voltage (output)	Wattage Rating		Cabinet
		30 min.	120 min.	
GI-6-36	6	36	10	#1
GI-6-50	6	50	15	#1
GI-6-50-NC	6	50	18	#2
GI-6-80	6	80	24	#1
GI-6-90	6	90	27	#2
GI-6-100-NC	5	100	35	#2
GI-6-160	6	160	48	#2
GI-6-180-NC	6	180	60	#2
GI-12-72	12	72	22	#1
GI-12-90	12	90	27	#1
GI-12-100-NC	12	100	35	#2
GI-12-120	12	120	36	#1
GI-12-150	12	150	45	#1
GI-12-180	12	180	54	#2
GI-12-200	12	200	60	#2
GI-12-200-NC	12	200	65	#2
GI-12-250	12	250	75	#2
GI-12-300	12	300	90	#2
GI-24-144	24	144	43	#2
GI-24-180	24	180	54	#2
GI-24-200-NC	24	200	65	#2
GI-24-320	24	320	96	#2

VANDAL RESISTANT

The **GEMINI** series of vandal resistant emergency lighting units are designed to stand up to abuse in applications such as schools, public areas, institutions and apartment complexes where vandalism may potentially occur. The heavy gauge steel body and polycarbonate heads offer extreme protection and superior performance.

MECHANICAL SPECIFICATIONS

The **GEMINI** is constructed with a solid and durable 20 gauge steel housing. Stamped universal mounting pattern and key hole slots are stamped into the mounting backplate. Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors. These connectors allow for a large gauge of wire to be used, increasing the flexibility of installation. The **GEMINI** is supplied standard in a durable white powder coat, baked finish. Other colours are available, including colour matching, please specify. CSA 22.2 No. 141-15 Performance Certified.

LAMP SELECTION

	6V	12V	24V
Composite Tungsten	7.2, 9W	9, 12, 18W	9, 18 (25W, PAR36 only)
Composite Quartz (Q)	6, 8, 10, 12W	12, 20 (55W PAR36 only)	N/A
MR16	N/A	20, 35, 50W	N/A
LED-MR16	5, 7W	2, 5, 7W	5, 7W

LAMP HEAD FEATURES

The **GEMINI** series feature two [2] heads constructed of high impact polycarbonate that fully encloses and protects the lamp and reflector assembly from tampering or damage. The PAR18 & MR16 lamp assemblies are fully adjustable and can be rotated and angled to provided exact aiming.

BATTERY TECHNOLOGY

The **GEMINI** series is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd batteries are optional. Recharge time of the battery is twenty-four [24] hours. The maximum battery operating temperature is +40°C and the minimum is +10°C.

INSTALLATION

The **GEMINI** unit is suitable for surface wall and surface ceiling installations. Suitable for indoor location installations.

CHARGER SPECIFICATIONS

The **GEMINI** series utilizes a high-efficiency two stage charger providing a fully automatic constant charging current with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. An external dust tight push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

BEGHELLI AUTO-TEST (AT)

The Beghelli auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability, as required by the Fire Code. The information is communicated simply and intuitively to maintenance personnel via a single multi-colour LED.