RG-NX Series Battery Unit

NEMA-4X certified

Features

– Delivers great pathway illumination up to 70 feet, center-to-center (with 12V 20W lamp).
– Fully gasketed cast aluminum back plate with clear polycarbonate cover – NEMA-4X Certified.
– Comes standard with non-audible advanced diagnostic charger board, 10 minute time delay and lamp disconnect
– Audible warning and time delay functions can be enabled or disabled during installation
– Micro-controller diagnostic system tests, detects and indicates battery, charger circuitry or MR16 lamp failures
– Non intrusive magnetic test switch
– Long-life, maintenance free sealed lead acid battery
– 1/2” rigid conduit entry on top and back
– Can be installed on 4-inch junction boxes
– Comes standard with tamper-proof screws and bit
– Standard 120/347Vac input voltage
– Cold weather option (-40ºC)
– NSF Certified for food processing plants
– CSA C22.2 No. 141 Certified

NEMA-4X NEXUS Made in Canada

Typical Specification

Supply and install the Lumacell NEMA-4X Certified RG-NX Series battery unit. Specifically designed for high abuse areas, wet locations, and cold weather (CW option -40°C), the housing shall be fully gasketed with a cast aluminum back plate and clear heavy-duty UV resistant polycarbonate cover. The heads shall be fully adjustable without tools and the lamps shall be high efficiency halogen MR16. The standard unit shall be equipped with tamper-proof screws and bits. The Lumacell Advanced Diagnostic Micro-controller charger board shall supply the rated load for a minimum of 30 minutes to 87.5% of the rated battery voltage. The charger incorporates lockout and brownout circuits, and low voltage disconnection. It protects the unit from over-current, short-circuit, and reverse polarity. The unit shall be rated 120/347V, 60Hz. The unit shall have an output of ____volts. This unit shall self-test for 1 minute every 30 days, 10 minutes on the 6th month and 30 minutes every 12 months. The unit shall be furnished with a non-intrusive magnetic test switch. A “Service Required” lamp shall be located near the test switch and flash when a fault is detected. A four-LED diagnostic display shall be located inside the equipment and shall identify the source of failure (battery, charger, circuitry, or lamps).
The unit shall be CSA C22.2 No.141. certified. It shall also be NSF Certified for use in food processing plants.

The unit shall be Lumacell model: _____.

In the same family...

LER3000

Exit Signs p. 70 -71

3LER3000

Exit Signs p. 72 -73

MQM*NX NEMA-4X

Remote Fixture p. 190 - 191

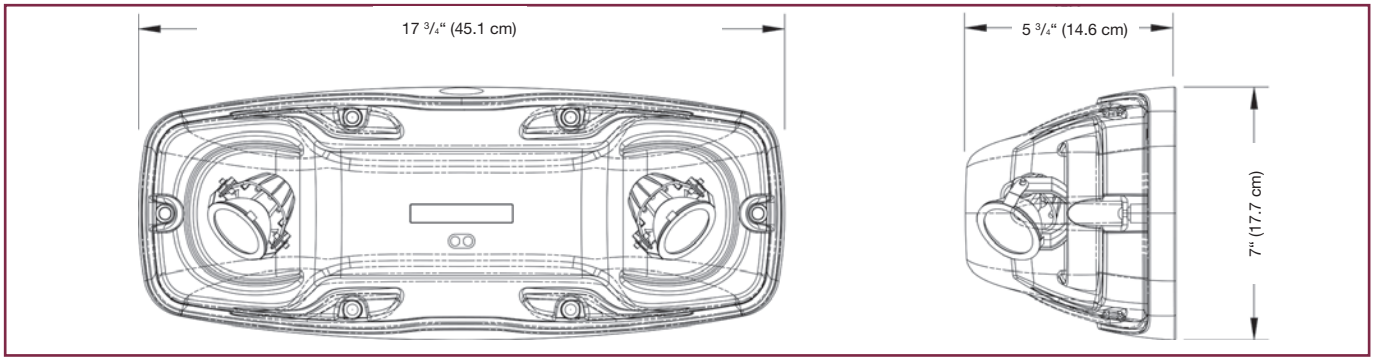
Project/Location	Date
Contractor	Prepared by
LUMACELL model	

Wire Guard

460.0031-L Wall Mount

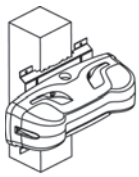
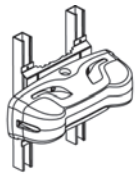
RG-NX SERIES

Dimensions



Accessories (order as a separate item)

Additional bit for tamperproof screws ... TPB
Universal bracket (for mounting on poles, I-beams). .....PMK

PMK Kit (screws included)	Beam Mounting	Superstrut Mounting
		

Power Consumption and Unit Rating

Model	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
RGNX36	120/347 vac	0.15/0.05 Amp	36	21	15	12	6
RG12NX72		0.25/0.10 Amp	72	42	30	24	12
RG12NX108		0.25/0.10 Amp	108	63	45	36	18
Cold Weather 36W		0.45/0.20 Amp	36	*			
Cold Weather 72/108W	120 Vac	0.85 Amp	72/108	*			

*Note: capacity depends on the ambient temperature

Replacement Lamps

Ordering Code	Specifications
580.0074-L	**M6W**, MR16, 6V-6W FL
580.0079-L	**M10W**, MR16, 6V-10W FL
580.0080-L	**M12W**, MR16, 12V-12W FL
580.0068-L	**MH20W**, MR16, 12V-20W FL
580.0093-L	**L**, MR16, 12V-5W LED

Ordering Information

Series	Capacity	# of heads	Voltage/Wattage/Lamp type	Colour	AC Voltage	Options
RGNX= 6 volts, NEMA-4X	**36=** 6V-36W	**2=** 2 heads	**M6W=** mini halogen, 6V-6 watts, MR16	**Blank=** factory white	**Blank=** 120/347 Vac	**Blank=** no options
RG12NX= 12 volts, NEMA-4X	**72=** 12V-72W		**M10W=** mini halogen, 6V-10 watts, MR16	**BK=** black	**ZC=** 277 Vac	**CW1=** cold weather 120Vac
	108= 12V-108W		**M12W=** mini halogen, 12V-12 watts, MR16	**G=** grey		*__CW3=__ cold weather 347Vac
			M20W= mini halogen, 12V-20 watts, MR16			**__NEX=__ NEXUS® system interface
			MH20W= high output, 12V-20W			
			L= 12V-5W LED			

EXAMPLE: RGNX362M6W

* Available in 6V only.
**Not all options available with NEXUS®. Consult Factory.

Glossary

A	**ammeter**	Used to measure the current being supplied to the battery while in charge mode.
AT	**Auto-Test**	Automatically tests and continuously monitors your emergency lighting unit. If a problem occurs, the unit will send a visual (flashing or blinking LED indicator) and audible warning. Complies with Fire Code requirements.
ATN	**Auto-Test, non-audible**	Automatically tests and continuously monitors your emergency lighting unit. If a problem accurs, the unit will send a visual (flashing or blinking LED indicator) warning. Complies with Fire Code requirements.
CT	**Cab-tire**	Unit supplied with a cab-tire cable used for special hardwire applications.
CW1	**cold weather, 120Vac**	120Vac input cold weather protection feature for applications where temperatures can reach -40° C
CW3	**cold weather, 347Vac**	347Vac input cold weather protection feature for applications where temperatures can reach -40° C
DPF6	**6cct. Fuse panel**	Used to facilitate the connection of multiple input load circuits in high power battery units.
HHC	**remote test transmitter**	Used to perform maintenance tests by means of radio transmitter along with a radio receiver (RRT option) on battery units that are out of reach.
HTR	**heather & thermostat**	Like a heatblanket, used to keep internal temperature optimal for battery units that are installed in cold environments.
LC	**line cord (120V)**	When ordering a battery unit with the LC option, we supply and pre-install a line cord with a standard 3 prong 120V plug. Just hang the fixture and plug it in to a standard receptacle! Only available on 120V units.
LD	**lamp disconnect**	To disconnect the emergency lighting load in an area that is not in use during a prolonged power failure or while area is no longer being occupied.
LS	**Laser**	Used to remotely test battery units by means of pointing a laser at the battery unit.
LTS	**light activated test switch**	Used to remotely test battery units by pointing a flashlight at a photocell mounted on the bottom of a battery unit.
TC	**teflon coated lens**	A protective teflon coating that is applied to the glass lens of a lighting fixture to prevent broken shards from falling in the event the glass is accidently broken or vandalised.
RRT	**remote test receiver**	Used to perform maintenance tests by means of radio reciever in conjunction with a transmitter(HHC option) on battery units that are out of reach. Simply point the receiver at the unit.
NEX	**Nexus system interface**	The NEXUS system interface is a computerized maintenance system for emergency lighting that, once programmed, will perform the tests, keep written records and send notification if anything needs to be fixed. One full system can address hundreds of units in as many buildings as you need from a single location.
T3	**15 minutes time delay**	Normally, when the a.c. is restored, all emergency lighting lamps are turned off. However, in some cases such as when metal halide lamps are used, it is possible that the general lighting will not be availbe for several minutes after the blackout (or brownout) period. Battery units with the T3 option will keep some energy in store to ensure that the emergency lighting stays on or comes back on for at least 15 minutes once the regular a.c. power has been restored.
TD	**time delay (programmable)**	Same as the T3 option but can be programmed for 5, 10, 15 or 20 minutes delay.
TP	**tamper proof screws**	Screws that require a special bit. Can be used on certain units to deny access to unauthorized personnel.
TL	**twistlock plug**	Used to facilitate the connection and removal of battery units for maintenance purposes.
TMBB	**a.c./d.c. terminal block**	Used to facilitate the connection of large gauge input cables.
TMBD	**d.c. terminal block**	Used to facilitate the connection of large gauge d.c. input cables.
TMBK	**a.c. terminal block**	Used to facilitate the connection of large gauge a.c. input cables.
V	**voltmeter**	Indicates voltage being supplied to the battery when in charge mode.