ROBUSTO® COMBO

Job Name: _____

Model: _____

Type: _____

Date: _____

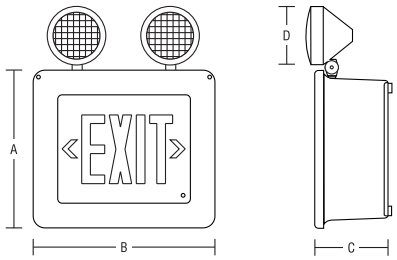
specifications: internal

The **ROBUSTO® COMBO** has a standard 120/277V input. The solid state, high efficiency, dual rate charger provides precise float voltage control and incorporates a low voltage disconnect for optimum protection. High performance red or green LEDs properly illuminate the face. Fuse protection is standard.

specifications: external

The durable NEMA 4X fiberglass enclosure is corrosion and vandal resistant. The housing is fully gasketed and is supplied standard in an industrial gray finish. The **ROBUSTO COMBO** can be surface mounted on a wall. Magnetic test switch and LED status indicator are standard.

weight: 9 lbs



dimensions (in/mm)

Series	A	B	C	D
RBOC	13.5”	15.5”	6.25”	5.25"
	343mm	394mm	159mm	140mm

ordering information

EXAMPLE: RBOC 636LG1 UW 2LRWP9W VM

Series	Operation	Pb-A[1] (W)	Ni-Cd[2] (W)	LED	Face No.	Chevrons	Mounting	#Heads[3]	Lamp Wattage[4]	Options
RBOC	6 (6V)	36 (6V, 12V)	42 (6V, 12V)	LR (red)	1 (single)	U (universal)	W (wall)	0	6WLEDSB	AM (ammeter)
	12 (12V)	60 (6V, 12V)	54 (6V)	LG (green)				2LRWP	9W	AT (autotest)
		72 (6V)	90 (6V, 12V)					3LRWP	12W	FAI[5] (fire alarm interface)
		100 (6V)	130 (12V)					4LRWP	18W	NC[2] (nickel-cadmium battery)
		120 (6V, 12V)								SM (side mount heads)
		140 (12V)								SW (special wording- specify)
										TC (teflon lens coating)
ACCESSORIES:										TD[6] (time delay- specify)
BPG6 (wireguard)										TP (tamper proof screws)
WG9DX20LX19WWHT (wireguard)										VM (voltmeter)

NOTE 1: Sealed lead calcium battery capacity
NOTE 2: For nickel-cadmium battery, select NC from options and capacity from Ni-Cd column
NOTE 3: Only PAR36 LRWP heads available - no heads, 2 heads, 3 heads or 4 heads
NOTE 4: See lamp table on page 2
NOTE 5: Specify type of fire alarm signal: normally open, normally closed or 6, 12, 24VDC (specify voltage used)
NOTE 6: Must specify input voltage and delay time: 5, 10, 20 minutes (10 min standard)

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Technical

emergency heads

As standard, the **ROBUSTO COMBO** is supplied with two (2) top mounted, weatherproof PAR36 style emergency heads constructed of high impact thermoplastic and finished in a neutral gray finish. The emergency head design features a locking collar that securely holds the lens in place and facilitates quick re-lamping. 6W LED lamps are available for 12V models.

specifications: electrical

BATTERY: The **ROBUSTO COMBO** is configured with high output, high effiiency red or green LEDs that consume less then 2W. Configured with 120/277V input. Magnetic test switch and monitor LED.The ROBUSTO COMBO is designed with maintenance free, sealed lead acid batteries, providing a minimum emergency duration of 90 minutes. Optional nickel cadmium batteries are available. Recharge time for the batteries is forty-eight (48) hours. Operating temperature 10°C up to 40°C.

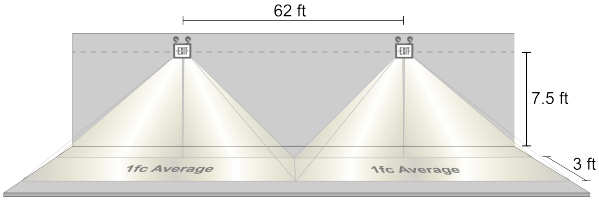
CIRCUIT: The **ROBUSTO COMBO** utilizes a high-efficiency two stage charger providing precise float voltage control with low voltage disconnect protection. All components used in the circuitry are temperature compensated. The charger also has brownout and short circuit protection. Charger status is easily determined via a dual diagnostic LED display which indicates AC/ON and High Charge. A magnetic test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load, (magnet included).

specifications: mechanical

The **ROBUSTO COMBO** series housing is constructed from durable, corrosion resistant fiberglass. The NEMA 4X housing is fully gasketed for harsh and hazardous locations. The front access panel/door is hinged for trouble-free installation and maintenance. The **ROBUSTO COMBO** features a stainless steel breather valve that provides efficient ventilation. 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 **ROBUSTO** has been designed to perform in applications where the environment would punish any standard unit. The entire internal cavity of the sign is protected from moisture ingress by an extremely resilient gasket. The gasketing always holds its original form and has "memory retention" so that it effectively and consistently protects the **ROBUSTO** from moisture.

spacing



Disclosure: Spacing is based on 6W LED Sealed Beam (SB) lamps in lab conditions with an assumed open space, no obstructions and reflection rates of 80 (ceiling)/50 (walls)/20 (floor). Actual spacing may vary depending on what environment the fixture is installed in.

hazardous location certifications

The **ROBUSTO COMBO** series is approved for use in Class 1, Division 2, Groups A, B, C and D: T2B area classification. In addition, the **ROBUSTO COMBO** is also suitable for Class I, Zone 2, IIA, IIB & IIC: T1 & T2 area classification.

autotest

The Beghelli Autotest feature automatically performs a 5 minute discharge test monthly. Every 6 months, two 90 minute discharge tests are performed 24 hours apart. This tests both the battery capacity and recharge capability. The status of the **ROBUSTO COMBO** is communicated clearly with a single, multi-color LED indicator.

lamps

	6V	12V
Composite Tungsten	9W	9, 12, 18W
Sealed Beam LED	N/A	6W LEDSB

model rating guide

Model	Voltage	Wattage			
		90min	120min	180min	240min
RBOC 636	6	36	27	18	13
RBOC 642NC	6	42	31	21	15
RBOC 654NC	6	54	40	27	20
RBOC 660	6	60	45	30	22
RBOC 672	6	72	53	36	26
RBOC 690NC	6	90	67	45	33
RBOC 6100	6	100	74	50	37
RBOC 6120	6	120	90	60	45
RBOC 1236	12	36	27	18	13
RBOC 1242NC	12	42	31	21	15
RBOC 1260	12	60	45	30	22
RBOC 1290NC	12	90	67	45	33
RBOC 12120	12	120	90	60	45
RBOC 12130NC	12	130	96	65	48
RBOC 12140	12	140	104	70	52

warranty

The **ROBUSTO COMBO** comes with a 3-year factory warranty. Lamps are not covered under the warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

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