

CARDIFF COMBO SERIES



Project:	
Type:	
Catalog #:	

IP44 | WET | COLD | SANITATION | BAA

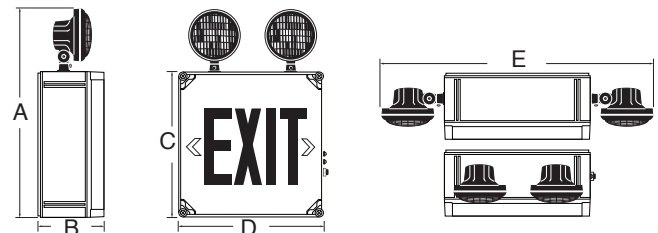


■ specifications: internal

Standard 120/277V input. The CAR-C is designed with an internal, maintenance-free, valve regulated sealed lead-acid battery or optional Ni-Cad battery providing emergency lighting duration of 90 minutes.

■ specifications: external

The CAR-C comes standard in grey. Four (4) polycarbonate pressure screws firmly hold the polycarbonate lens in place. Wall, ceiling or end mounting configurations are available. Ceiling and end mount versions come complete with a factory installed weatherproof steel canopy. Single or double face versions must be specified. Removable chevron arrows are standard on each unit along with an external LED status indicator and test switch. Field removable chevrons are standard on each face. Four polycarbonate pressure screws firmly hold the face to the housing. Top or side mounted PAR36 style emergency heads are fully adjustable. CAR-C has the option for PAR36 heads that are constructed of high-impact, black thermoplastic that has been sealed against moisture infiltration.



Series	A	B	C	D	E
Single Face	17 ^{1/2"} (445mm)	7" (133mm)	11 ^{3/4"} (298mm)	11 ^{3/4"} (298mm)	23 ^{1/4"} (591mm)
Double Face	17 ^{1/2"} (445mm)	5" (127mm)	11 ^{3/4"} (298mm)	11 ^{3/4"} (298mm)	23 ^{1/4"} (591mm)

■ ordering logic

Series	Operation	Pb-A	Ni-Cd	LED	Face No.	Mounting	Heads	Options
CAR-C	(6V)=6V	12 (6V)=12VP	(6V)=2VN	(red)=RD	(single)=SF	(wall)=WM	(one PAR36)=1	(autotest)=SDT
	12 (12V)=12V	18 (6V)=18VP	(6V, 12V)=4VN	(green)=GN	(double)=DF	(ceiling)=CM	(two PAR36)=2	(nickel-cadmium battery)=NB
	27 (6V, 12V)=27VP	54 (6V)=5VN				(end)=ME	(one rubber sealed beam)=1R	(time delay)=XD
	36 (6V, 12V)=36VP	90 (6V, 12V)=9VN					(two rubber sealed beam)=2R	(internal heater)=BH
	60 (6V, 12V)=60VP	130 (12V)=13VN					(none)=X	(side mount head)=SM
	72 (6V, 12V)=72VP							(pendant kit)=CARPMK
	120 (6V, 12V)=120VP							(special wording)=CARCCW
								(wireguard)=CAR-CWG
								(food prep lens)=FL

NOTE 1: See battery configuration guide on next page.

NOTE 2: Must select NC from options when selecting Ni-Cd. Select wattage/voltage from Ni-Cd column.

NOTE 3: Must specify 5, 10 or 20 mins and AC Voltage.

NOTE 4: Specify AC Voltage.

NOTE 5: Wireguard for CAR-C wall mount with top mounted heads only.

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■ specifications: electrical

BATTERY: The CAR-C is designed with an internal, maintenance free, valve regulated sealed lead-acid battery providing emergency lighting duration of 90 minutes. Recharge time of the battery is forty-eight (48) hours. The battery operating temperature without the internal heater/thermostat option is 40°C maximum and 10°C minimum; with the internal heater (IH) option the minimum battery operating temperature is -20°C.

CIRCUIT: The CAR-C 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. An external push button test switch allows maintenance personnel to quickly determine the operational status of the unit and lamp load.

■ autotest

The CAR-C Autotest feature automatically monitors the functional operation of the unit. Autotest monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

	Steady Green :	Normal Operation
	Flashing Green :	AC Interruption in Last 48 Hours
	Steady Yellow :	Lamp Circuit Malfunction
	Flashing Yellow :	Auto-test or Manual Test in Progress
	Steady Red :	Battery Failed Testing
	Flashing Red :	Battery Disconnected or Charger Malfunction

■ specifications: extreme climate design

The CAR-C has been designed to perform in applications where the climate would punish any standard sign. The entire internal cavity of the sign is protected from moisture ingress by an extremely resilient silicone gasket. The liquid gasketing is "hot-bonded" to the lens during the manufacturing process. This procedure eliminates any chance of the gasketing to become dry and pull away from the lens. The gasketing always holds its original form and has "memory retention" so that it effectively and consistently protects the CAR-C from moisture. The CAR-C can also be equipped with an optional thermostatically controlled heater for cold environments.

■ specifications: mechanical

The CAR-C housing is constructed from durable, corrosion resistant fiberglass. The NEMA 4X housing is fully gasketed for damp and wet locations with a hot-bonded silicone gasket. Exit face(s) are made from high clarity, clear polycarbonate that has been painted white on the inside only, making the unit highly scratch resistant. Custom face colors and special wording / graphics are available, please specify.

■ sanitation listed

The CAR-C is sanitation approved. The Intertek verified splash zone listing is equivalent to the NSF standard 2, meeting the rigorous sanitation, electrical safety and performance standards of food service environments.

■ lamp selection (sealed beam only in LR PAR36 style head)

	6V	12V
Incandescent	9W	9W, 12W, 18W
Halogen (H)	8W, 10W, 12W, 20W	8W, 12W, 20W, 35W, 55W
Sealed Beam Tungsten (SB)	8W, 12W, 18W, 20W, 25W	12W, 18W, 20W, 25W, 35W
Sealed Beam Halogen (HSB)	8W, 12W, 20W	8W, 12W, 20W

■ model rating guide Pb-A (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
CAR-C-6-12	6	12
CAR-C-6-18	6	18
CAR-C-6-27	6	27
CAR-C-6-36*	6	36
CAR-C-6-60	6	60
CAR-C-6-72*	6	72
CAR-C-6-120 ¹	6	120
CAR-C-12-27	12	27
CAR-C-12-36*	12	36
CAR-C-12-65	12	65
CAR-C-12-72*	12	72
CAR-C-12-120 ¹	12	120

*Available in single or double face.

Note 1: Requires a larger cabinet size. Please contact factory.

■ model rating guide Ni-Cd (Capacity)

Model	Input Voltage	Wattage Rating 90 Minutes
CAR-C-6-22*	6	22
CAR-C-6-42*	6	42
CAR-C-6-54 ¹	6	54
CAR-C-6-90* ¹	6	90
CAR-C-12-45*	12	45
CAR-C-12-90 ¹	12	90
CAR-C-12-130	12	130

*Available in single or double face.

Note 1: Requires a larger cabinet size. Please contact factory.

■ warranty

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