The Nfinity NFT Series high-power LED emergency lighting unit provides industry leading 125' path of egress spacing. Suited for larger areas and egress paths such as warehouses, factories, lengthy corridors, large department store retailers and schools. This series eliminates the need for multiple emergency lighting units.

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

FEATURES AND BENEFITS

- Superlative optical performance up to **125'** spacing (NFT-HO)
- Eco-friendly, long-life, high-density LiFePO4 battery pack
- Remote capability up to 5.4W (Not available with NFT-HO units), compatible with RL1-WP, MLED and REN remote lamps
- UL 924, cUL Listed
- Suitable for Damp Locations
- California Energy Commission (CEC) compliant

SPECIFICATIONS

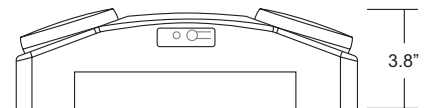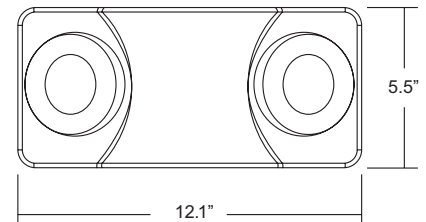|	
Illumination:	Standard NFT includes two 2.7W LED lamp heads. High-output NFT-HO includes two 5.4W LED lamp heads
Housing:	UL 5VA flame-rated thermoplastic housing
Input:	120-277VAC, 50/60Hz
Battery:	Maintenance-free LiFePO$_4$ battery
Operating Temp:	10°C to 40°C (50°F to 104°F)
Run Time:	cULus Listed 90 minute emergency run time, 24 hour recharge time
Mounting:	Wall, pendant, I-beam and pole mount (with available accessory)
Finishes:	Black or White
Options:	G2 - Self-test/Self-diagnostics. R - Remote Capable (5.4 Watts - NFT only), compatible with RL1-WP, MLED and REN remote lamps
Certfications:	cULus 924 Listed, meets or exceeds CEC, NEC requirements and NFPA 101
Warranty:	Five year warranty with a separate three year prorated warranty on the battery (Terms and Conditions Apply)

cULus | BC | DAMP | ♻ | 5/3 WARRANTY

5.5"

12.1"

3.8"

ORDERING INFORMATION **Example:** NFT-HO-W-G2

Series	Finish	Options (Factory Installed)	Accessories[2] (Field Installed)
NFT = (2) 2.7W LED Lamps	B = Black	G2 = Self-test/Self-diagnostics	IHB = I-Beam and Pole Mounting Bracket
NFT-HO = (2) 5.4W LED Lamps	W = White	R[1] = Remote Capable (5.4W)	WG-S = Wire Guard (Back Mount)
			WPV-2 = Wet Location/Vandal Guard (Back Mount)

Notes
[1] Not available with NFT-HO Series, compatible with RL1-WP, MLED and REN remote lamps
[2] Order as separate line item

Specifications are subject to change without notice.
Installation must be performed in accordance with Barron Lighting Group installation instructions.

10800303 Rev 19

Page 1 of 2

BARRON
lighting group

800.533.3948 • barronltg.com

ELECTRICAL RATINGS

Model	LiFePO4 Battery	Overload Disconnect	Short Circuit Disconnect	Solid State Transfer	Input				Output		
					VAC	Hz	mA	W	Lamps	Lumens	Remote Capability
NFT	9.6V 1500mAh	Yes	Yes	Yes	120-277	50/60	55	4.3	2 x 2.7W	600 lm	N/A
NFT-R	9.6V 3000mAh	Yes	Yes	Yes	120-277	50/60	55	4.3	2 x 2.7W	600 lm	9.6V 5.4W
NFT-HO	9.6V 3000mAh	Yes	Yes	Yes	120-277	50/60	55	4.3	2 x 5.4W	1300 lm	N/A

CONSTRUCTION
Precision molded unit and lamp housings constructed of UV-stable UL 5VA flame-retardant, corrosion-resistant thermoplastic. Units resist denting, peeling, scratching and corrosion. Tool-less access provided for easy maintenance.

ILLUMINATION
Two fully adjustable lamp heads allow for maximum light to be delivered to the path of egress. Fixtures are supplied with high-powered LED lamp optics that deliver up to 125' on center spacing (high-output NFT-HO Series) with up to 1300 total lumens output. The standard NFT unit delivers up to 70' on center spacing with 600 total lumens output. The LEDs have an estimated life over 50,000 hours with normal use.

ELECTRICAL
Input
Wide input voltage range of 120-277VAC @ 50/60Hz.

LiFePO₄ (Lithium Phosphate) Battery
Exitronix LiFePO4 batteries are environmentally friendly as well as thermally and chemically stable which makes them one of the safest batteries to use. With an extremely low discharge rate and high-power density the unit is able to provide unsurpassed performance. A fully charged pack will disconnect from the charging circuit, drawing no power. This feature significantly reduces the amount of wasted power when multiplied by the number of units installed. The cells' chemistry allows for environmentally friendly disposal making it one of the "greenest" energy sources available.

Emergency
The NFT-G3 Series will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Test Button
Our test button is easy to locate and allows for manual verification of proper operation of the transfer circuit and emergency lamps.

Damp Location Rated
Damp Location Rated fixture that is normally or periodically subject to condensation of moisture in, on or adjacent to, and includes partially protected locations.

INSTALLATION
A universal J-box mounting pattern and rear keyhole slots are provided for wall or ceiling mounting. Optional I-beam mounting bracket is available for mounting to poles, I-beams or strut metal framing.

Guardian Self-Test/Self-Diagnostics (Option: G2)
The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days and a 90 minute discharge and self-test every 6 months.

OPTIONS
Remote Capable (Option: R - Not available with NFT-HO-G3 units)
The R option provides an additional 5.4W of remote capability, compatible with RL1-WP, MLED and REN remote lamps.

CONFORMANCE TO CODES & STANDARDS
The NFT-G3 Series is UL 924 Listed for Damp Locations and meets or exceeds the following: CEC (T20), NEC requirements and NFPA 101.

ON-CENTER SPACING (Multiple units mounted at a typical 7.5 foot height)

Model	# of LED Lamps	3' Path, 6' Corridor	6' Path, 6' Corridor
NFT	2	70'	63'
NFT-HO	2	125'	115'

Barron assumes no responsibility for local requirements or specific project variables.
This is a guideline to be used as a design aid, not as a guarantee of any code compliance.

BARRON
lighting group