

The NFT3 Series high-power LED emergency lighting unit provides up to a remarkable 125-foot path of egress spacing. It is available in three high-performance lumen output versions: low, medium and high, providing flexible options for various applications. It is well-suited for larger areas and egress paths such as warehouses, factories, lengthy corridors, large department stores, and schools.

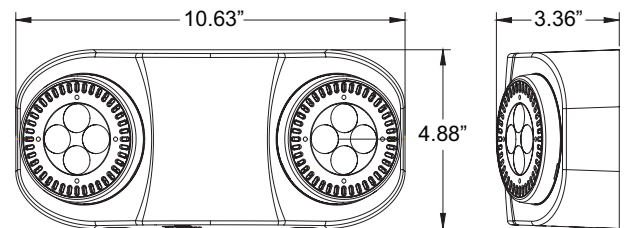
Several features are available for this series, including remote capability and multiple self-test/self-diagnostic options, such as G2 and the [GUARDIAN G3](#) remote monitoring and reporting system from Exitronix. The GUARDIAN G3 simplifies code compliance and significantly reduces operating and maintenance costs by enabling automated testing, remote monitoring, and reporting of emergency fixture status from a centralized location.

FEATURES AND BENEFITS

- Superlative optical performance up to 125' spacing (NFT3-HO)
- Available in three lumen output levels to fit any application
- Eco-friendly, long-life, high-density LiFePO₄ battery pack
- Optional remote capability up to 4.5W (only available with NFT3-MO units), compatible with [RL1-WP](#) remote lamps
- UL 924, cUL Listed for Damp Locations
- California Energy Commission (CEC) compliant

SPECIFICATIONS

Illumination:	NFT3-LO - Two 1.0W LED lamp heads (250 total lumens) NFT3-MO - Two 2.7W LED lamp heads (700 total lumens) NFT3-HO - Two 5.4W LED lamps heads (1,590 total lumens)
Housing:	UL 5VA Flame-rated thermoplastic housing
Input:	120-277VAC, 50/60Hz Input
Battery:	Maintenance-free LiFePO ₄ battery
Operating Temp:	5°C to 50°C (41°F to 122°F)
Run Time:	UL Listed 90 min emergency run time, 24 hour recharge time
Mounting:	Wall, pendant, I-beam and pole mount (with available accessories)
Finishes:	White
Options:	G2 - Self-test/Self-diagnostics G3 - Self-test/Self-diagnostics, Remote Monitoring and Reporting G3PRO - Self-test/Self-diagnostics, Remote Monitoring with Automated Email Notifications R - Remote Capable (4.5 Watts - NFT-MO series only), compatible with RL1-WP remote lamps
Certifications:	UL 924 Listed for Damp Locations, NEC and NFPA 101
Warranty:	Any component that fails due to a manufacturing defect is guaranteed for five years with a separate five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information. (Terms and Conditions Apply)



ORDERING INFORMATION Example: NFT3-HO-W-G3

Series	Finish	Options (Factory Installed)
NFT3-LO = (2) 1.0W LED Lamps	W = White	G2 = Self-test/Self-diagnostics
NFT3-MO = (2) 2.7W LED Lamps		G3 ^{1,5} = Self-test/Self-diagnostics, Remote Monitoring and Reporting
NFT3-HO = (2) 5.4W LED Lamps		G3PRO ^{1,2,5} = Self-test/Self-diagnostics, Remote Monitoring w/Automated Email Notifications
		R ^{3,4} = Remote Capable (4.5W), only compatible with NFT3-MO series

Accessories ⁶ (Field installed, order as seperate line item)	G3 and G3PRO Accessories ⁶ (Field installed, order as seperate line item)
IHB = I-Beam and Pole Mounting Bracket	GTWY-PRIMARY = Primary Remote Reporting Gateway
WG-S = Wire Guard (Back Mount)	GTWY-SECONDARY = Secondary Remote Reporting Gateway
WPV-2 = Wet Location/Vandal Guard (Back Mount)	ROUTER = Wireless Internet Router
	TAB11 = 11" Tablet includes Guardian G3 Software
Notes:	TAB12 = 12" Tablet includes Guardian G3 Software
¹ Requires additional equipment, consult factory for details	WALLBRKXX = Tablet Wall Bracket (XX = Specify 11" or 12" Tablet)
² Requires internet connection, Wi-Fi or cellular modern supplied by facility	WALLBRKXX-LOCKXX = Locking Wall Bracket (XX = Specify 11" or 12" Tablet)
³ Compatible with RL1-WP remote lamps	STANDBRXX = Tablet Stand (XX = Specify 11" or 12" Tablet)
⁴ Remote capability available with NFT3-MO series only	STANDBRXX-LOCKXX = Tablet Stand (XX = Specify 11" or 12" Tablet)

⁵ G3 and G3Pro available with NFT3-MO and NFT3-HO series only

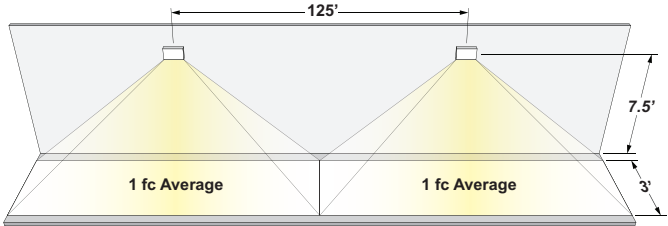
⁶ Order as separate line item

ELECTRICAL RATINGS

Model	LifePO ₄ Battery	Brownout	Low Voltage Disconnect	Overload Disconnect	Short Circuit Disconnect	Solid State Transfer	Input				Output		
							VAC	Hz	mA	W	Lamp Heads	Lumen Output	Remote Capability
NFT3-LO-W	3.2V 1500mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	25	1.5	1.0W x 2	250 lm	n/a
NFT3-MO-W	6.4V 2000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	2.7W x 2	700 lm	n/a
NFT3-MO-W-R	6.4V 4000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	2.7W x 2	700 lm	6V 4.5W
NFT3-HO-W	6.4V 4000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	5.4W x 2	1590 lm	n/a
NFT3-LO-W-G2	3.2V 1500mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	25	1.5	1.0W x 2	250 lm	n/a
NFT3-MO-W-G2	6.4V 2000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	2.7W x 2	700 lm	n/a
NFT3-MO-W-G2-R	6.4V 4000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	2.7W x 2	700 lm	6V 4.5W
NFT3-HO-W-G2	6.4V 4000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	5.4W x 2	1590 lm	n/a
NFT3-MO-W-G3	6.4V 2000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	2.7W x 2	700 lm	n/a
NFT3-MO-W-G3-R	6.4V 4000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	2.7W x 2	700 lm	6V 4.5W
NFT3-HO-W-G3	6.4V 4000mAH	Yes	Yes	No	Yes	Yes	120-277	50/60	70	5	5.4W x 2	1590 lm	n/a

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
NFT3-LO-W-XX	2	38'	32'
NFT3-MO-W-XX	2	75'	70'
NFT3-HO-W-XX	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.

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 provide maximum light to the egress path. Fixtures are equipped with high-powered LED optics, delivering up to 125 feet on-center spacing and 1,590 total lumens output in the high-output NFT3-HO series. The medium-output NFT3-MO series provides up to 75 feet on-center spacing with 700 total lumens, while the low-output NFT3-LO series delivers up to 38 feet on-center spacing with 250 total lumens.

ELECTRICAL

Input

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

Lithium Phosphate Battery – LiFePO4

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 NFT3 Series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

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.

Test Button

The test button is easy to locate and provides manual verification of the transfer circuit and emergency backup.

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.

CONFORMANCE TO CODES & STANDARDS

The NFT3 Series is UL 924 Listed for Damp Locations and meets or exceeds the following: CEC (T20), NEC requirements and NFPA 101.

OPTIONS

Guardian G2 Self-test/Self-diagnostics

The Guardian bi-color circuit is factory preset; without any field adjustments needed. It continuously monitors the performance condition of the AC power, battery supply, and charging circuitry.

The intent of this option is to provide visual signaling to identify fault at the Exit. Fault indicators are as follow:

•	One blink ON/pause (4 seconds)	Battery not connected
• •	Two blinks ON/pause (4 seconds)	Battery voltage too low
• • •	Three blinks ON/pause (4 seconds)	Charging circuit fault
• • • •	Four blinks ON/pause (4 seconds)	Transfer function failure
• • • • •	Five blinks ON/pause (4 seconds)	Integral lamp fault
• • • • • •	Six blinks ON/pause (4 seconds)	Remote lamp fault (option)

NOTE: After solving the fault of the emergency equipment, press the test button for two seconds without releasing to reset. LED indicator will show green.

Self-testing/Self-diagnostics also has a manual test function, press test button as follows:

Press test button once	30 Second discharge test
Press test button twice within two seconds	3 Minute discharge test
Press test button three times within two seconds	30 Minute discharge test
Press test button four times within two seconds	90 Minute discharge test

GUARDIAN G3 Self-test/Self-diagnostics, Remote Monitoring and Reporting

In addition to the visual signaling from G2 the GUARDIAN G3 remote monitoring and reporting system provides wireless communication between emergency fixtures, enabling maintenance personnel to maintain and test emergency lighting equipment from a central location. System requires additional equipment and setup, consult factory for more information.

GUARDIAN G3PRO Self-test/Self-diagnostics, Remote Monitoring and Reporting with Automated Email Notifications

The G3PRO model has the features of the standard G3 but adds automated email notifications of fixture status reports (requires internet connection, Wi-Fi or cellular modem supplied by facility).

Remote Capable (Option: R - Only available with NFT-MO units)
The R option provides an additional 4.5W of remote capability. Compatible with [RL1-WP](#) remote lamps.