



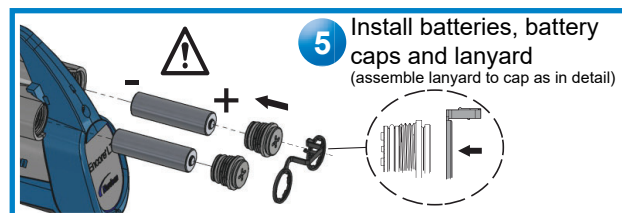
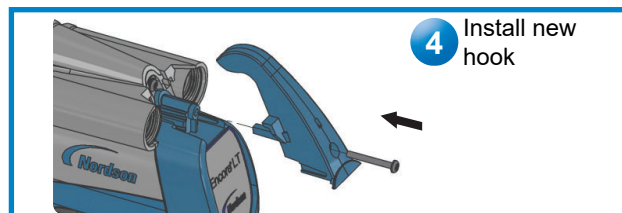
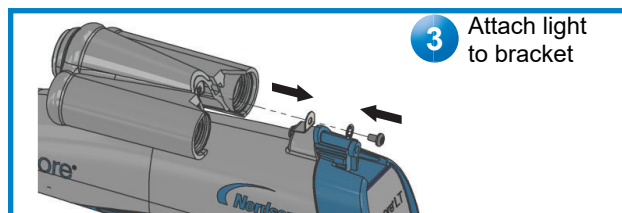
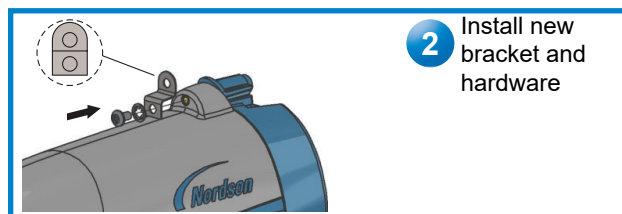
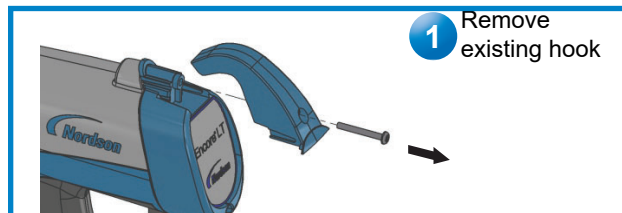
nLighten™



Instruction Sheet

Document Number 1617855-04

Installation



Safety



WARNING: LED Radiation (RG-2) present. Do not stare into the beam of light as it may be harmful to eyes.

Read and follow any safety instructions stated in this document. Failure to do so may result in damage to equipment or injury to operator. Task and equipment specific warnings, cautions, and instructions are included in this document where appropriate.

Refer to the Safety Section of the manual for the Encore® Manual Powder Spray System or Spray Gun for additional safety information. These can be found by scanning the QR code above or going to emanuals.nordson.com.

Battery Installation/Removal



WARNING:

- Do not open equipment to change batteries while in powder booth or other hazardous areas.
- Use only 1.5 V, size “AA”, IEC-LR6 Alkaline batteries.
- Replace all batteries at the same time.
- Do not mix batteries from different manufacturers, new with used, or different specifications. Improper battery installation can cause batteries to explode or leak and cause personal injury.
- Observe the polarity during installation (see Installation step 5 for reference).
- Do not recharge primary batteries.

1. Remove the spray gun from hazardous areas.
 2. Clean the gun assembly of dirt and material residue before changing the batteries.
 3. Unscrew the battery caps with a flat blade screwdriver.
 4. Remove old batteries and dispose of them properly.
 5. Install new batteries, inserting the negative terminal into the housing first (see Installation illustration, step 5).
 6. Install and tighten the battery caps until the cap bottoms out against the housing.
- CAUTION:** Do not overtighten the battery caps.
7. Dispose of batteries in accordance with applicable laws and regulations.

Operations

Application Mode



CAUTION: 33 lumens, max

Squeeze the trigger when ready to spray powder. nLighten will automatically turn on and remain on while spraying powder.

NOTE: LED output will track the KV output of the multiplier.

Inspection Mode



CAUTION: 65 lumens, max

Release the trigger when ready to stop spraying powder. nLighten™ will remain on for five* seconds and will automatically turn off. If more inspection time is needed, quickly press and release the trigger to receive an additional five seconds of inspection time.

NOTE: *On-time was previously fifteen seconds.

For assistance, call Customer Service at 800-433-9319

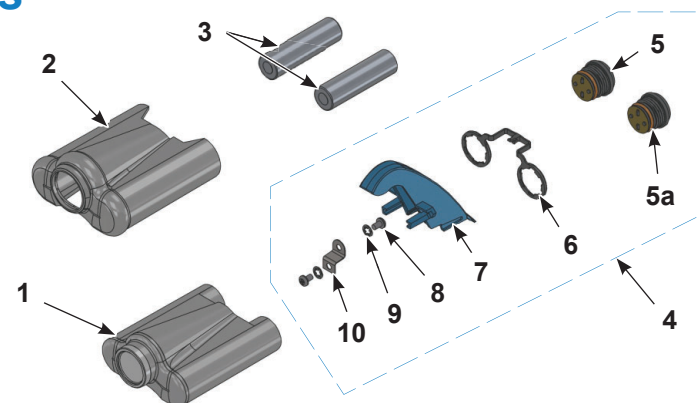
Specifications

Primary Cell Type	Only use (2) 1.5 V “AA” Alkaline (ANSI-15A, IEC-LR6) batteries
Recommended Cell Manufacturers	Energizer EN91 Alkaline
Ambient Temperature Rating	+15 to +40° C (59 to 104° F)
Maximum Relative Humidity	95% non-Condensing
Hazardous Location Rating for Light	For Electrostatic Finishing Applications using Class II Spray Materials
Dust Ingress Protection	IP6X
Approvals	cFMus, FM18ATEX00061X, FM21UKEX0210X
Specific Conditions of Use <ul style="list-style-type: none"> The nLighten LED Kit shall only be used over the ambient temperature range of +15° C to +40° C (59 to 104° F) with the manufacturer’s separately ATEX certified manual electrostatic powder applicators: Encore LT manual applicator FM11ATEX0056X, FM22UKEX006X and Encore XT/HD applicators FM14ATEX0051X, FM21UKEX0129X. The equipment can only be used in areas of low impact risk. Caution should be taken when cleaning plastic surfaces on the nLighten LED. There is a potential for static electricity buildup on these components. 	

Troubleshooting

Issue	Resolution
No light when trigger is released	Replace batteries.
	Verify proper battery orientation.
Low light when trigger is depressed	If housing is not in alignment with spray gun body, realign the housing to spray gun body.
	Lens cover obstructed with powder. Clean lens with isopropyl alcohol.
No light when trigger is depressed	Housing not in alignment with spray gun body. Realign housing to spray gun body.
	Damage to internal circuitry. Replace unit.

Parts



Item	Part No.	Description	Qty.
	1611977	KIT, nLighten, LED, Encore	1
1	-----	• Housing Assembly	1
2	1613361	• Cover, housing, nLighten, Encore	1
3	-----	• Battery	2
4	1614040	KIT, service, nLighten	1
5	-----	• Cap Assembly, battery, nLighten, Encore	2
5a	-----	• O-ring, silicone, 13.5 mm ID x 1.5 mm	2
6	-----	• Lanyard, nLighten, Encore	1
7	-----	• Hook, nLighten, Encore	1
8	-----	• Screw, pan head, M3 x 5 mm, zinc	2
9	-----	• Lock Washer, M3 internal tooth, zinc	2
10	-----	• Clip, spring, mount, LED, Encore	1

Issued 10/24

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EU DECLARATION of CONFORMITY

Product: Encore nLighten LED Kit

This Declaration is issued under the sole responsibility of the manufacture.

Models: Encore nLighten

Description: The LED light kit is for use with Nordson Encore Manual Spray Applicators

Applicable Directives:

2014/30/EU - EMC Directive
2014/34/EU - ATEX Directive

Standard Used for Compliance:

EN/ISO12100 (2010)	EN60204-1 (2018)	EN61000-6-3 (2007)
EN60079-0 (2018)	EN50050-2 (2013)	EN61000-6-2 (2005)
EN60079-31 (2014)	EN60079-28 (2015)	EN55011 (2009)

Ratings:

-Ambient Temperature: +15°C to +40°C
-Ex II 2 D

ATEX Product Certificate:

-FM18ATEX0061X (Dublin, Ireland)

ATEX Quality System Certificate:

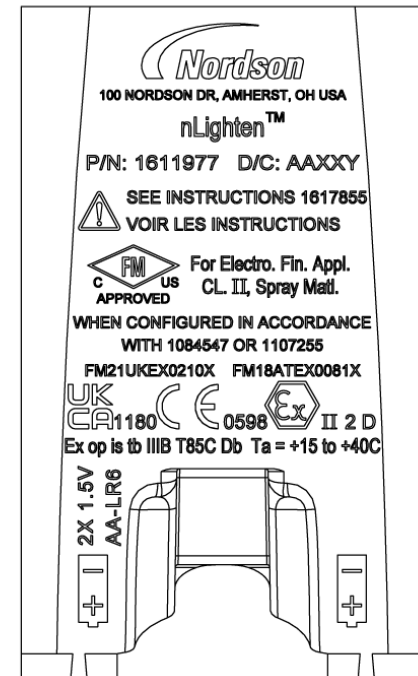
-0598 SGS Fimko Oy (Helsinki, Finland)



Jeremy Krone
Engineering Manager
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Amherst, Ohio, USA

Date: 24OCT2021

Nordson Authorized Representative in the EU
Person authorized to compile the relevant technical documentation. Contact: Operations Manager
Industrial Coating Systems, Nordson Deutschland GmbH,
Heinrich-Hertz-Straße 42-44, D-40699 Erkath



UK DECLARATION of CONFORMITY

Product: Encore nLighten LED Kit

This Declaration is issued under the sole responsibility of the manufacture.

Models: Encore nLighten

Description: The LED light kit is for use with Nordson Encore Manual Spray Applicators

Applicable UK Regulations:

Electromagnetic Compatibility Regulation 2016

Equipment & Protective Systems Intended for use in Potentially Explosive Atmosphere Reg 2016

Standard Used for Compliance:

EN/ISO12100 (2010)	EN60204-1 (2018)	EN61000-6-3 (2007)
EN60079-0 (2018)	EN50050-2 (2013)	EN61000-6-2 (2005)
EN60079-31 (2014)	EN60079-28 (2015)	EN55011 (2009)

Ratings:

-Ambient Temperature: +15°C to +40°C

-Ex II 2 D

Product Certificate:

-FM21UKEX0210X (Maidenhead Berkshire UK)

Quality System Certificate:

SGS Baseefa 1180 (Buxton Derbyshire UK)



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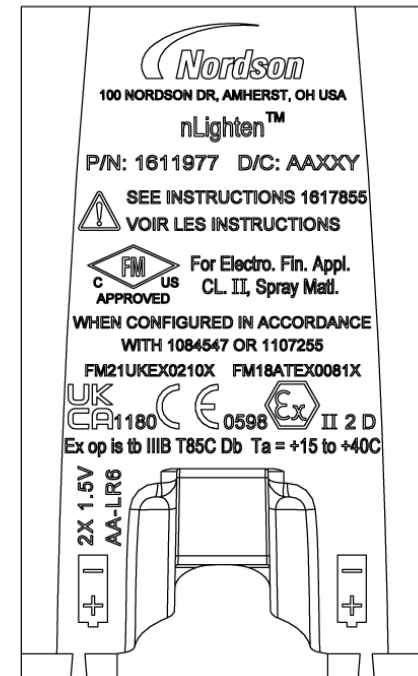
Date: 24OCT2021

Nordson Authorized Representative in the UK

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