

KEY FEATURES

- **Modular Design**

Key components such as the LED and PSU modules are easily accessible for straightforward maintenance and inspection.

- **Retrofittable**

RL has been designed with the same dimensions, fixing centres and cable entries as traditional fluorescent fittings making it a direct replacement.

- **Intelligent Emergency**

Self-testing emergency battery providing up to 3 hours emergency back-up.

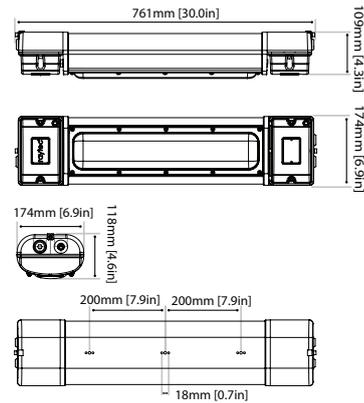


TECHNICAL SPECIFICATIONS / MAXIMUM RATINGS

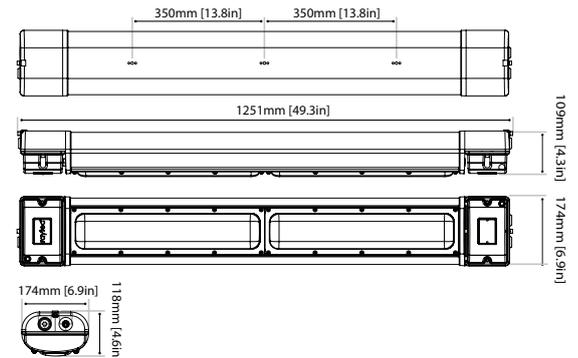
HOUSING	Marine grade aluminum, epoxy powdercoat, UV stabilized polycarbonate, stainless steel external fasteners and brackets
MOUNTING	Refer to accessory list
INPUT VOLTAGE	AC: 110-254VAC (50/60Hz) 24V - 18-69VDC
POWER (TYP)	24W - RL-1 Single Module 32W - RL-1 Single Module Emergency Variant (BB Models) 49W - RL-2 Double Module 56W - RL-2 Double Module Emergency Variant (BB Models) 48W - RL-1 Single Module High Output 56W - RL-1 Single Module High Output Emergency Variant (BB Models) 96W - RL-2 Double Module High Output
CURRENT (TYP)	0.23A @ 110V - RL-1 Single Module 0.31A @ 110V - RL-1 Single Module Emergency Variant (BB Models) 0.47A @ 110V - RL-2 Double Module 0.54A @ 110V - RL-2 Double Module Emergency Variant (BB Models) 0.46A @ 110V - RL-1 Single Module High Output 0.54A @ 110V - RL-1 Single Module High Output Emergency Variant (BB Models) 0.91A @ 110V - RL-2 Double Module High Output
TEMPERATURE RANGE	-40°C to +60°C Emergency Variant (BB Models): -20°C to +50°C
CERTIFICATIONS	PROTECTION/CERTIFICATION – ZONE 1/21 VARIANTS CML14ATEX3119 & IECExCML15.0001 & CML21UKEX3105 Gas: II 2 G D Ex eb mb IIC T4 Gb Ta= -40°C to +60°C (-20°C to +50°C for emergency variants) Ex tb IIIC T80°C Db Ta= -40°C to +60°C (-20°C to +50°C for emergency variants) PROTECTION/CERTIFICATION – ZONE 2/22 VARIANTS Gas: II 3 G D Ex ec mc IIC T4 Gc Ta= -40°C to +60°C Ex tc IIIC T80°C Dc Ta= -40°C to +60°C (-20°C to +50°C for emergency variants) PROTECTION/CERTIFICATION – ZONE 2/21 VARIANTS Gas: II 2 D Ex tb IIIC T80°C Db Ta= -40°C to +60°C (-20°C to +50°C for emergency variants)
INGRESS PROTECTION	IP66/67
COLOUR TEMP RANGE	6500K
CRI VALUE (MIN)	70 CRI
TOTAL LUMENS	RL-1 EX1 – 3065 RL-2 EX1 – 6130 RL1H EX1 – 6130 RL2H EX1 - 12260 RL-1 EX2 – 3524 RL-2 EX2 – 7048 RL1H EX2 – 7048 RL2H EX2 - 14096
WEIGHT	RL-1 Single Module - 6 kg (13.2 lbs) RL-1 Single Module Emergency Variant (BB Models)- 7 kg (15.4 lbs) RL-2 Double Module - 9 kg (19.8 lbs) RL-2 Double Module Emergency Variant (BB Models) - 10 kg (22 lbs) RL-1 Single Module Single Ended - 6 kg (13.2 lbs) RL-2 Double Module Single Ended - 9 kg (19.8 lbs)

DIMENSIONS

RL-1



RL-2



WARRANTY

Five (5) year limited warranty to the original purchaser. The warranty covers defects in materials and workmanship under normal use and service.

For additional information see:
<https://nemalux.com/legal>

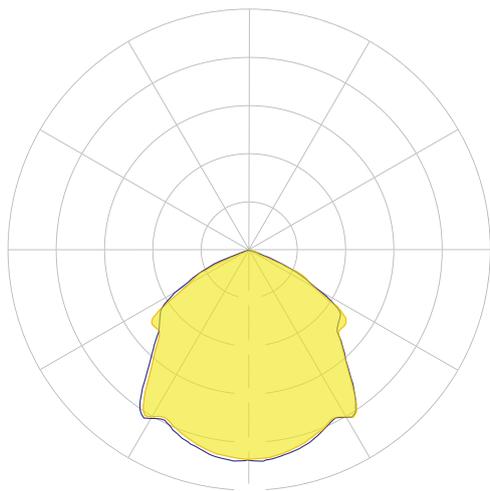
RL-1: 6.0 kg | 13.2 lbs



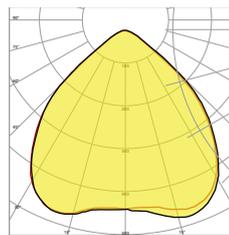
RL-2: 9.0 kg | 19.8 lbs



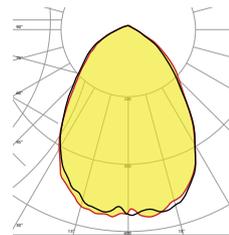
LIGHT DISTRIBUTION



WC
Zone 1 - Standard

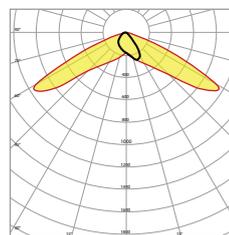


90
90° x 90°

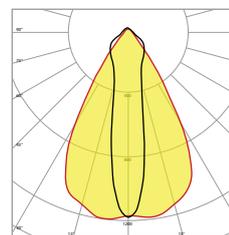


60
60° x 60°

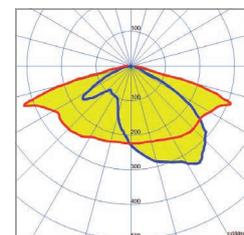
Asymmetrical Optics



WB
Safety Shower - Wide Beam



OW
80° x 30° (Aisle)



PP3
Optic

MOUNTING OPTIONS

Ceiling Mount Bracket Kit (RL-CM)



The Nemalux Ceiling Mount Kit is designed to mount to any flat surface, both ceiling and wall. Provided in a pair, two low-profile stainless-steel U brackets screw easily to the back of the Linear unit, then onto the chosen surface. 1000mm and 1500mm variants.

Swivel Mount Bracket Kit (RL-SM)



The Nemalux Swivel Bracket Mounting Kit is designed for ceiling and wall mounting of all Nemalux Linear luminaires. There is the facility to rotate the fitting through various angles to suit any application. The stainless-steel bracket provides lock-in holes every 30° and 45°. Shorter length variants are available providing part-rotation for restricted space applications.

Pole Clamp Kit (RL-PC)



The Nemalux Pole Clamp Kit is designed to pole-mount any Nemalux Linear unit. The stainless-steel circular brackets are provided in a pair and easily screw to the back of the Linear unit, with adjustable side-bolts to open and clamp around a single pole. Kits to suit poles up to 62mm in diameter are available.

Magnetic Mount Kit (RL-MM)



The Nemalux Magnetic Mounting Kit provides two magnetic discs which easily screw to the back of any Linear fitting. They conveniently and securely attach the fitting to any flat metal surface.

M8 Eye Bolt Kit (RL-EB)



The Nemalux M8 Eye Bolt Kit is supplied in a pair. Two stainless steel circular eye bolts screw easily into the back of each luminaire, providing two dedicated suspension points

MOUNTING OPTIONS

Retrofitting

(2x18W replacement)



1 x M8 tapped hole
2 x M6 tapped holes

(2x36W replacement)



1 x M8 tapped hole
2 x M6 tapped holes

Nemalux RL Linear is designed with the same fixing centres as traditional fluorescent luminaires, and comes with both M6 and M8 tapped mounting holes as standard.

So, if you're using Nemalux RL as a direct replacement, you may be able to use the bracketry from the existing installation. Linear is also designed with the same dimensions and cable entries as traditional fluorescent's, so you could even use the existing cable and glands.

ACCESSORIES



Suspension Cord (RL-SC)

The Nemalux Suspension Cord Kit is a stainless-steel cord and carabiner, which attaches to a retention bracket which can be easily screwed into the back of the luminaire. This provides an additional safety tether for height-critical applications. The kit is available in 500mm, 1000mm and 1500mm variants.

Protective Film (RL-PF)

Nemalux Protective Film comes in a pack of 10. The film adheres to the luminaire's front lens and provides protection in applications where there is a risk of paint overspray, or high levels of dirt and dust.

Anti-static Polycarbonate Lens (RL-PL)

While the Nemalux Anti-static Polycarbonate Lens comes pre-fitted as standard, additional lenses can also be purchased separately. The lens is available as a clear replacement for the standard luminaire, while diffused and double diffused options can be used to soften light output.

ORDERING INFORMATION

PROJECT NAME		TYPE
PROJECT LOCATION		
COMMENT		DATE
PREPARED BY		

MODEL SELECTOR

Sample Number: RL-1T-65-WC-EX1-AC

FAMILY	LENGTH	CCT/COLOUR	OPTICS	CERTIFICATION	VOLTAGE	OPTION	ENTRY
RL -	-	-	-	-	-	-	-
RL	1T - single module through wiring 2T - dual module through wiring 1E - single module extended length through wiring 2E - dual module extended length through wiring 1 - single module single ended 2 - dual module single ended 1H - single module high output through wiring 2H - dual module high output through wiring	65 - 6500K 40 - 4000K	WC 90 60 WB OW PP3	EX1 - Zone 1/21 EX2 - Zone 2/22 E2X1 - Zone 2 gas 21/22 dust EX1T6 - Zone 1/21 T6 rating EX2T6 - Zone 2/22 T6 rating E2X1T6 - Zone 2gas 21/22 T6 rating	AC - 110-254VAC (50/60Hz) 24V - 18-69VDC	BLANK - Standard BB - Emergency Variant (single # will be added if BB is not the standard 90min i.e. BB3 = 3Hr)	BLANK - M20 (3/4" NPT for HZ models) M25 - M25 conduit entries

ACCESSORIES (Order Separately)

Sample Number: RL-CM

ACCESSORY
RL-CM - Ceiling Mount RL-SM - Swivel Mount Bracket RL-PC - Pole Clamp RL-MM - Magnetic Mount RL-EB - M8 Eye Bolt RL-SC - Suspension Cord RL-PF - Protective Film (x10) RL-PL - Extra Anti-static Polycarbonate Lens