

RXL 4000K Weatherproof

Not for general release - Rexel use only.



The RXL Weatherproof is a versatile general purpose, IP65 rated, luminaire. It is supplied with fast fit surface mounting clips for ease of installation, avoiding the need to drill the housing. Options include 3 hour integral emergency functionality and DALI dimmable control gear.

Linear LED light engines and efficient control gear provide class leading performance; they are protected by a polycarbonate housing and opal diffuser delivering a uniform lit appearance.

Nominal 4', 5' and 6' formats in narrow and wide housing, 3 hour combined non-maintained emergency functionality.

With a comprehensive range of lumen outputs across 3 luminaire lengths, the RXL Weatherproof delivers choice and flexibility to suit a wide range of applications such as warehousing, plant rooms, carparks, loading/storage spaces and assembly areas where high ingress protection and robust construction are required.

- Uniform lit appearance, no shadowing
- Nominal 4', 5' and 6' formats, in narrow and wide housings, ideal for both new and retro fit applications
- 4000° Kelvin colour temperature, CRI 80, IP65
- Impact and heat resistant opal polycarbonate diffuser secured with anti-tamper diffuser clips
- Class leading LED luminaire performance and efficacy with lumen packages to match and exceed traditional fluorescent technology with reduced energy consumption
- Integral 3 hour combined non-maintained functionality option
- Fast fix mounting clips for rapid installation (no need to drill the housing avoiding a potential ingress path)
- Fixture level L70 50,000hrs

Light Engine and Control Gear

- High efficacy linear LED light engines
- >80 CRI, 4000K colour temperature
- DALI dimmable control gear

Materials

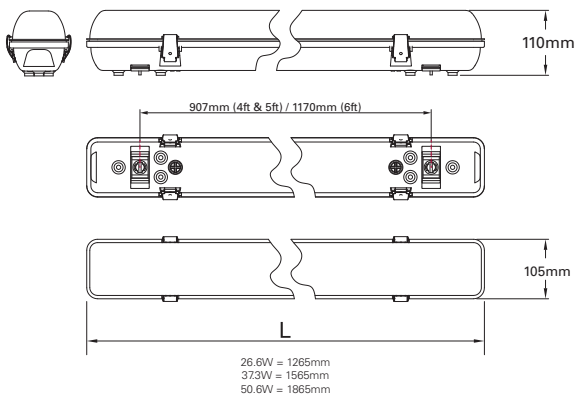
- Housing material - Polycarbonate with integrated gear tray support
- Diffuser - Polycarbonate opal diffuser delivering a uniform lit appearance
- Diffuser clips - Stainless steel offering strength and integral locking screw function
- Gear tray - Sheet steel, white finish

Installation Notes

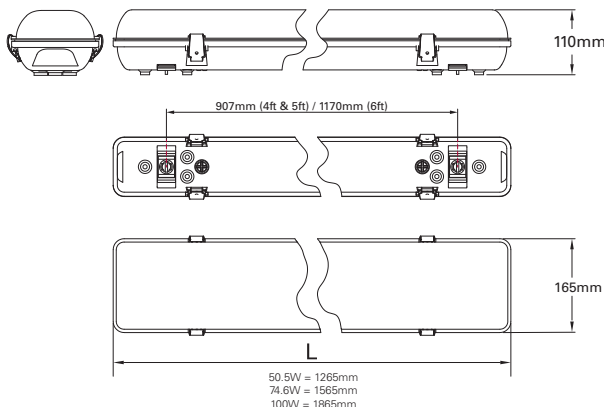
- Surface mount rear brackets supplied, removing the need to drill the housing base
- Gear tray hangs on the body for ease of install, locates in final position with tool free clips
- 1x 20mm cable entry hole in housing end, supplied with IP gland & sealing bung
- Simple to use diffuser clips with security screws to lock them in the closed position as anti-tamper feature and ensures access only through tooled entry to the luminaire
- This luminaire is IP65 rated, this rating only applies when the luminaire is installed observing the correct orientation and must not be positioned in direct sunlight.
- In exterior applications it is recommended the luminaires are protected under a canopy or cover, the housing is not suitable for mounting with the base directly on a vertical surface in the horizontal orientation. Please refer to the installation leaflet for further details.

Dimensions

Single



Twin



Options

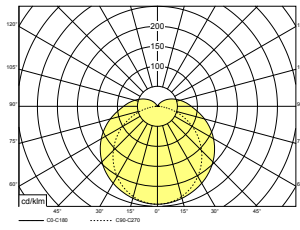
- DALI dimming option
- Nominal 4', 5' and 6' formats in narrow and wide housing
- 3 hour combined non-maintained emergency functionality

Specification

To specify state: General purpose IP65 rated LED luminaire 4000K, Polycarbonate, Opal (uniform) diffuser, polycarbonate housing, secured by tamper resistant stainless steel hinged latches and removable geartray, as Eaton's RXL Weatherproof range, part no _____

Photometric Data

Cat. No: RXLN425004Z



LOR 100%

SHR Norm 1.50
SHR Max 1.547

Utilisation factors / TM5

Reflectances			Room index								
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	51	59	66	71	78	83	87	92	95
0.7	0.3	0.2	43	51	58	63	71	77	81	87	90
0.7	0.1	0.2	37	45	52	57	66	71	76	82	87
0.5	0.5	0.2	48	55	62	67	73	78	81	85	88
0.5	0.3	0.2	41	48	55	60	67	72	76	81	85
0.5	0.1	0.2	36	43	50	55	62	68	72	78	81
0.3	0.5	0.2	46	52	58	62	68	72	75	79	82
0.3	0.3	0.2	40	46	52	57	63	68	71	76	79
0.3	0.1	0.2	35	41	48	53	59	64	68	73	77
0	0	0	32	37	43	47	54	58	61	66	69
BZ-class			6	6	6	6	6	6	6	6	6

Chemical Resistance

Chemical Agent	(Poly-carbonate)
Acetic acid 10%	●
Acetone	●
Alcoholic beverages	●
Aluminium sulphate	●
Ammonia 5%	●
Aniline	●
Arsenic acid 20%	●
Benzene	●
Bencylic alcohol	●
Bromine	●
Calcium chloride	●
Calcium nitrate	●
Carbon tetrachloride	●
Carbonic acid	●
Caustic potash 5%	●
Cement	●
Hydrochloric acid 1-5%	●
Chlorine liquids (vapours)	●
Chloroform	●
Chromic acid	○
Citric acid 20%	●
Copper sulphate	●
Diesel-naphta oil	○
Ethyl alcohol 30%	●
Ethyl chloride	●
Ethyl ether	●
Food oils and fats	●
Formic acid 10%	●
Glycerine	●

Chemical Agent	(Poly-carbonate)
Hexane	●
Iodine	●
Iron chloride	●
Isopropyl alcohol	○
Lubricating oil	●
Magnesium sulphate	●
Methanol	●
Mineral oils	●
Nitric acid 20%	○
Oxygen	●
Ozone	●
Perchloric acid 10%	●
Petrol	●
Phenol	●
Potassium bromide	●
Potassium nitrate	●
Potassium permanganate	●
Sea climate	●
Silicon oils	●
Soda bleach 15%	●
Sodium chloride	●
Sodium hydroxide 5%	●
Sodium sulphate	●
Sugar	●
Sulphur	●
Sulphuric acid 30%	●
Toluene	●
Trichloroethylene	●
Zinc sulphate	●

● Resistant ○ Relatively Resistant Non-Resistant

Catalogue Numbers

Cat No	Description	Lumen output (lm)	Circuit Watts (W)	Efficacy (Llm/cW)
Standard Fixed output				
RXLN425004Z	RXL Weatherproof 2500lm 4000K HF 1.2m single	2588	26.6	97.3
RXLW449004Z	RXL Weatherproof 4900lm 4000K HF 1.2m twin	5049	50.5	100.0
RXLN536004Z	RXL Weatherproof 3600lm 4000K HF 1.5m single	3783	37.3	101.4
RXLW571004Z	RXL Weatherproof 7100lm 4000K HF 1.5m twin	7353	74.6	98.6
RXLN648004Z	RXL Weatherproof 4800lm 4000K HF 1.8m single	4958	50.6	98.0
RXLW695004Z	RXL Weatherproof 9500lm 4000K HF 1.8m twin	9800	100.0	98.0

For emergency versions please add the EL prefix, e.g. RXLN425004Z becomes **ELRXLN425004Z**

For emergency versions the circuit watts will increase by 1.5W to account for the charging circuit

For DALI dimmable options please replace the Z suffix with DD e.g. RXLN425004Z becomes RXLN425004**DD**

Emergency mode: output for all luminaires in emergency mode is 192 lumens



RXL Weatherproof twin



RXL Weatherproof single



RXL Weatherproof cut-out LED strips detail

For further information contact our technical support and application department on 01302 303240 or email LightingTechnicalUK@Eaton.com