

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



LEGRAND'S ENVIRONMENTAL COMMITMENTS

- **Incorporate environmental management into our industrial sites**
Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).
- **Offer our customers environmentally friendly solutions**
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.
- **Involve the environment in product design and provide informations in compliance with ISO 14025**
Reduce the environmental impact of products over their whole life cycle.
Provide our customers with all relevant information (composition, consumption, end of life, etc.).



REFERENCE PRODUCT

Function	Avoid panic by providing 70 lumens of lighting to guarantee the visibility of obstacles for 1 hour in the event of an electrical power cut. This function is provided for ten years by its self-contained power supply.
Reference Product	
	LG-661601PL
	URA21LED PLUS 70LM 1H NP

The company reserves the right to change specifications and designs without notice. All illustrations, descriptions, dimensions and weights in the document are for guidance and cannot be held binding on the company.



PRODUCTS CONCERNED

Catalogue Numbers	Type of product	Type of mode*	Test Mode	Lumens & Autonomy	Degree of protection / Impact strength	Consumption (W)	Product weight only & Packaging weight only (g)	Type of battery
LG-661601PL	Open Area emergency Lighting - SCELL	Non-Permanent	Standard	70lm & 1h	IP42 / IK07	1.3	435 & 95	NiCd
LG-660600PL			Auto-test	50lm & 1h		1.3	434 & 95	NiCd
LG-660601PL			Auto-test	70lm & 1h		1.3	434 & 95	NiCd
LG-660602PL			Auto-test	100lm & 1h		1.3	434 & 95	NiCd
LG-660608PL			Auto-test	200lm & 1h		1.7	526 & 95	NiCd
LG-660609PL			Auto-test	350lm & 1h		2.3	532 & 95	NiCd
LG-660611PL			Auto-test	100lm & 3h		2.3	527 & 95	NiCd
LG-660612PL			Auto-test	200lm & 2h		2.7	451 & 95	NiCd
LG-660613PL			Auto-test	350lm & 2h		2.7	574 & 95	NiMH
LG-660614PL			Auto-test	500lm & 1h		0.8	573 & 95	NiMH
LG-661600PL			Standard	50lm & 1h		1.3	435 & 95	NiCd
LG-661602PL			Standard	100lm & 1h		1.3	435 & 95	NiCd
LG-661603PL			Auto-test	100lm & 1h		2	481 & 95	NiCd
LG-661605PL			Standard	160lm & 1h		2.2	527 & 95	NiCd
LG-661606PL			Auto-test	200lm & 1h		2	484 & 95	NiCd
LG-661607PL			Auto-test	350lm & 1h		2	405 & 95	NiCd
LG-661608PL			Standard	200lm & 1h		2.2	533 & 95	NiCd
LG-661609PL			Standard	350lm & 1h		2.8	461 & 95	NiCd
LG-661610PL			Auto-test	100lm & 3h		0.8	520 & 120	NiMH
LG-661611PL			Standard	90lm & 3h		2.9	527 & 120	NiCd
LG-661612PL			Auto-test	200lm & 2h		0.8	524 & 95	NiMH
LG-661614PL			Standard	500lm & 1h		2.8	400 & 101	NiCd
LG-661615PL			Auto-test	500lm & 1h		2	401 & 95	NiCd
LG-661617PL			Standard	160lm & 1h		2.2	530 & 95	NiCd
LG-661618PL			Standard	350lm & 1h		2.8	465 & 170	NiCd
LG-662603PL			LVS2	100lm & 1h		2	485 & 170	NiCd
LG-662606PL			LVS2	200lm & 1h		2	526 & 170	NiMH
LG-662607PL			LVS2	350lm & 1h		0.8	527 & 170	NiMH
LG-662610PL			LVS2	100lm & 3h		0.8	524 & 170	NiMH
LG-662612PL			LVS2	200lm & 2h		0.8	523 & 95	NiMH
LG-662613PL			LVS2	350lm & 2h		0.8	521 & 95	NiMH

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



■ CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU amended by delegated directive (EU) 2015/863, and its amendment 2017/2102/EU.

Total weight of Reference Product	0.53 kg (all packaging included)
--	---

Product alone weight 0.43 kg					
Plastics as % of weight		Metals as % of weight		Other as % of weight	
PC	52.5 %	Steel	0.2 %	Electronic board	21.3 %
PP	<0.1 %			Battery	8.0 %

Packaging (alone) : 0.10 kg					
PE	<0.1 %			Wood	11.7 %
				Cardboard	4.7 %
				Paper	4.6 %

Total plastics : 0.28 kg	52.5 %	Total metals : <0.01 kg	0.2 %	Total others : 0.24 kg	47.3 %
---------------------------------	---------------	-----------------------------------	--------------	-------------------------------	---------------

At the date of edition of this document, the content of recycled material(s) is :

- Product alone (excluding packaging): 0% by mass
- Packaging only: 55% by mass



■ MANUFACTURE

This Reference Product comes from sites that have received ISO14001 certification. The final assembly site is located in Terrejon, Spain. Automated assembly.



■ DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 1000 km by truck from our warehouse to the local point of distribution into the market in Spain. The packaging complies with European Directive 2004/12/EU on packaging and packaging waste.



■ INSTALLATION

For the installation of the product, only standard tools are needed.



■ USE

Under normal conditions of use, this product requires maintenance. The battery will be replaced twice during the lifetime of the product. Maintenance involves an average 10 km round trip by car to replace the battery.

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



END OF LIFE

The end-of-life of products is taken into account right from the design stage. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or, failing that, another form of recovery. This product falls within the scope of the WEEE Directive (2012/19/EU). It must therefore be handled by the local end-of-life channels for WEEE.

- Items to be treated specifically:

In accordance with the requirements of this directive, the following items must be extracted and then directed to specific channels for treatment in accordance with the Waste Directive 2012/19/EU:

- Batteries NiCd or NiMH (42.5 g to 175.8 g)
- Electronic board (54 g to 116 g)

(*) Hazardous waste in accordance with European Commission Decision 2000/532/EU.



ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end of life. It is representative of products marketed and used in France in an electrical installation in compliance with NF C 15100 and associated product standards.

The datasets collected in this PEP are representative of the year 2022.

For each phase, the following modelling elements were taken into account:

System Limit	Manufacture A1-A3	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
	Distribution A4	Transport between the last Group distribution centre and an average delivery point in the sales area.
	Installation A5	The end of life of the packaging.
	Use B1-B7	• Product category: Open Area emergency Lighting - SCCELL. • Use scenario: For 10 years of continuous operation at 100% of rated load (1.3 W at 230 V) for 100% of the time. Cette durée de modélisation n'est pas une exigence minimale de durabilité.. • Energy model: Spain - 2022.
	End of life C1-C4	The default end-of-life scenario in accordance with appendix D of PCR ed4. The default end-of-life scenario for batteries according to PSR 0007.
D Module		Module D is calculated according to PCR-ed4-EN-2021 09 06 based on the materials recycled and the modelled end-of-life scenario. It expresses the net benefits and burdens beyond the boundaries of the system, and are not to be included in the life cycle totals.
Software and data-base used		The set of indicators used is Indicators for PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0 EIME V6 and its CODDE-2025-04 database

Unless otherwise indicated the modelling energetic mix are those integrated in the data modules used from the aforementioned database.

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



ENVIRONMENTAL IMPACTS

	Total Life Cycle		Manufacturing	Distribution	Installation	Use ⁽¹⁾			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Climate change - total	4.89E+01	kg CO2 eq.	3.59E+00	2.11E-02	1.79E-01	4.49E+01	3.76E+00	4.11E+01	2.38E-01	-4.88E-01
Climate change - fossil fuels	4.82E+01	kg CO2 eq.	3.66E+00	2.11E-02	3.27E-02	4.42E+01	3.76E+00	4.05E+01	2.37E-01	-4.00E-01
Climate change - biogenics	7.46E-01	kg CO2 eq.	-7.35E-02	0*	1.46E-01	6.72E-01	0*	6.72E-01	1.20E-03	-8.80E-02
Climate change - land use and land use transformation	4.32E-04	kg CO2 eq.	4.18E-04	0*	0*	1.36E-05	1.36E-05	0.00E+00	0*	0.00E+00
Ozone depletion	6.31E-07	kg.equivalent. CFC-11	3.25E-07	2.41E-10	1.18E-09	2.87E-07	1.47E-07	1.40E-07	1.78E-08	-3.75E-08
Acidification (AP)	2.06E-01	mole of H+ equiv	2.52E-02	3.33E-05	1.91E-04	1.79E-01	3.09E-02	1.48E-01	1.53E-03	-1.28E-02
Freshwater eutrophication	2.10E-04	kg P eq.	2.63E-05	7.73E-08	4.03E-08	1.83E-04	1.39E-05	1.70E-04	2.70E-07	-7.86E-07
Marine aquatic eutrophication	2.56E-02	kg of N equiv	2.36E-03	6.38E-06	4.59E-05	2.29E-02	2.85E-03	2.00E-02	3.16E-04	-3.53E-04
Terrestrial eutrophication	3.67E-01	mole of N equiv	2.75E-02	7.01E-05	6.14E-04	3.35E-01	3.22E-02	3.02E-01	4.07E-03	-4.66E-03
Photochemical ozone formation	8.47E-02	kg of NMVOC equiv	9.33E-03	2.24E-05	1.29E-04	7.42E-02	1.05E-02	6.38E-02	9.59E-04	-2.04E-03
Depletion of abiotic resources - elements	2.24E-03	kg.equivalent.Sb	7.14E-04	0*	0*	1.53E-03	1.51E-03	2.46E-05	0*	-1.60E-03
Depletion of abiotic resources - fossil fuels	1.52E+03	MJ	1.01E+02	3.68E-01	6.13E-01	1.41E+03	1.65E+02	1.25E+03	4.44E+00	-4.25E+01
Water requirement	7.85E+00	m3 of equiv. deprivation worldwide	1.81E+00	0*	1.93E-03	6.01E+00	1.64E+00	4.37E+00	2.23E-02	-8.27E-01
Emission of fine particles	2.05E-06	incidence of diseases	1.61E-07	2.93E-10	1.33E-09	1.88E-06	2.01E-07	1.68E-06	9.89E-09	-7.70E-08

*Represents less than 0.01% of the total life cycle of the reference flow

⁽¹⁾ For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



Total Life Cycle			Manufacturing	Distribution	Installation	Use ⁽¹⁾			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Ionizing radiation, human health	1.57E+02	kBq of U235 equiv.	3.46E+01	0*	0*	1.22E+02	2.95E+01	9.24E+01	7.59E-02	-1.15E+01
Ecotoxicity (fresh water)	4.24E+02	CTUe	3.13E+01	5.77E-01	8.18E-01	3.04E+02	2.69E+02	3.49E+01	8.78E+01	-2.97E+00
Human toxicity, carcinogenic effects	1.40E-07	CTUh	4.41E-08	0*	0*	9.56E-08	9.04E-08	5.21E-09	1.67E-10	-8.19E-08
Human toxicity, non-carcinogenic effects	3.11E-07	CTUh	1.25E-07	8.16E-11	2.40E-10	1.80E-07	1.16E-07	6.39E-08	5.67E-09	-1.20E-07
Impacts related to land use/soil quality	3.76E+00	-	1.60E+00	0*	7.33E-04	2.15E+00	3.88E-02	2.11E+00	3.79E-03	-1.69E-05
Use of renewable primary energy, excluding renewable primary energy resources used as raw materials	4.71E+02	MJ	6.45E+00	0*	5.43E-02	4.64E+02	5.14E-01	4.64E+02	2.62E-01	-3.58E-01
Use of renewable primary energy resources used as raw materials	1.07E+00	MJ	1.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+00
Total use of renewable primary energy resources (primary energy and primary energy resources used as raw materials)	4.72E+02	MJ	7.53E+00	0*	5.43E-02	4.64E+02	5.14E-01	4.64E+02	2.62E-01	7.11E-01
Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials	1.50E+03	MJ	8.99E+01	3.68E-01	6.13E-01	1.41E+03	1.64E+02	1.25E+03	4.44E+00	-4.24E+01
Use of non-renewable primary energy resources used as raw materials	1.09E+01	MJ	1.07E+01	0.00E+00	0.00E+00	2.71E-01	2.71E-01	0.00E+00	0.00E+00	-1.09E-01
Total use of non-renewable primary energy resources (primary energy and primary energy resources used as raw materials)	1.52E+03	MJ	1.01E+02	3.68E-01	6.13E-01	1.41E+03	1.65E+02	1.25E+03	4.44E+00	-4.25E+01

*Represents less than 0.01% of the total life cycle of the reference flow

⁽¹⁾ For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



Total Life Cycle			Manufacturing	Distribution	Installation	Use ⁽¹⁾			End of Life	Module D
			A1-A3	A4	A5	Total B1-B7	B2	B6	C1-C4	
Use of secondary materials	6.01E-02	kg	6.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of renewable secondary fuels	0.00E+00	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Use of non-renewable secondary fuels	0.00E+00	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Net use of fresh water	1.84E-01	m3	4.30E-02	0*	4.42E-05	1.40E-01	3.81E-02	1.02E-01	5.49E-04	-1.93E-02
Hazardous waste disposed of	7.96E+00	kg	4.29E+00	0*	3.55E-02	3.11E+00	2.35E+00	7.62E-01	5.22E-01	-1.36E+01
Non-hazardous waste disposed of	8.06E+00	kg	1.27E+00	1.87E-03	4.43E-03	6.69E+00	9.11E-01	5.78E+00	1.01E-01	-1.12E-01
Radioactive waste disposed of	3.62E-03	kg	7.02E-04	1.48E-06	1.85E-06	2.90E-03	7.93E-04	2.10E-03	2.32E-05	-4.46E-05
Components for re-use	0.00E+00	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Materials for recycling	2.60E-02	kg	5.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-02	0.00E+00
Materials for energy recovery	0.00E+00	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy	0.00E+00	MJ by energy vector	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total use of primary energy during the life cycle	1.99E+03	MJ	1.08E+02	3.69E-01	6.67E-01	1.87E+03	1.65E+02	1.71E+03	4.70E+00	-4.18E+01

Biogenic carbon content of the product	0.00E+00	kg of C.	0.00E+00
Biogenic carbon content of the associated packaging	4.92E-02	kg of C.	4.92E-02

*Represents less than 0.01% of the total life cycle of the reference flow

⁽¹⁾ For the Use phase and according to the current PCR, the information modules B1, B3, B4, B5 and B7, all having indicator values equal to «0» (zero), are not listed in this table

In accordance with current PCR rules, the environmental indicator values in the «Module D» column must not be summed with the values in the «Total Life Cycle» column

For biogenic carbon storage, the methodology used is -1/+1.

Automated assembly is not taken into account in the calculations

The values of the indicators defined in the PCR-ed4-EN-2021 09 06 are available in the digital database of pep-ecopassport.org website.

Product Environmental Profile

EMERGENCY LIGHTING URA21LED PLUS



To obtain the environmental impact values of products other than the Reference Product, take the environmental impact values of the Reference Product and multiply them by the values in the coefficient table below.

References	Designation	coef to apply per phase of the life cycle						
		total Life Cycle	Manu- facturing [A1-A3]	Distribu- tion [A4]	Install- ation [A5]	Use [B2]	Use [B6]	End of life [C1- C4]
LG-661601PL	URA21LED PLUS 70LM 1H NP	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LG-660600PL	URA21LED PLUS 50LM 1H NP AUTOTEST	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LG-660601PL	URA21LED PLUS 70LM 1H NP AUTOTEST	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LG-660602PL	URA21LED PLUS 100LM 1H NP AUTOTEST	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LG-660608PL	URA21LED PLUS 200LM 1H NP AUTOTEST	2.0	1.7	1.2	1.0	3.2	1.3	1.2
LG-660609PL	URA21LED PLUS 350LM 1H NP AUTOTEST	2.2	1.7	1.2	1.0	3.2	1.8	1.2
LG-660611PL	URA21LED PLUS 100LM 3H NP AUTOTEST	2.2	1.7	1.2	1.0	3.2	1.8	1.2
LG-660612PL	URA21LED PLUS 200LM 2H NO AUTOTEST	1.7	1.1	1.0	1.0	1.3	2.1	1.0
LG-660613PL	URA21LED PLUS 350LM 2H NP AUTOTEST	1.5	1.0	1.3	1.0	0.8	2.1	1.3
LG-660614PL	URA21LED PLUS 500LM 1H NP AUTOTEST	0.7	1.0	1.3	1.0	0.8	0.6	1.3
LG-661600PL	URA21LED PLUS 50LM 1H NP	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LG-661602PL	URA21LED PLUS 100LM 1H NP	1.0	1.0	1.0	1.0	1.0	1.0	1.0
LG-661603PL	URA21LED PLUS 100LM 1H NP	2.0	1.6	1.1	1.0	3.2	1.5	1.1
LG-661605PL	URA21LED PLUS 160LM 1H NP	2.2	1.7	1.2	1.0	3.2	1.7	1.2
LG-661606PL	URA21LED PLUS 200LM 1H P/NP	2.0	1.6	1.1	1.0	3.2	1.5	1.1
LG-661607PL	URA21LED PLUS 350LM 1H P/NP	1.4	1.0	0.9	1.0	1.3	1.5	0.9
LG-661608PL	URA21LED PLUS 200LM 1H NP	2.2	1.7	1.2	1.0	3.2	1.7	1.2
LG-661609PL	URA21LED PLUS 350LM 1H NP	1.7	1.2	1.0	1.0	1.3	2.2	1.1
LG-661610PL	URA21LED PLUS 100LM 3H P/NP	0.7	0.9	1.2	1.3	0.8	0.6	1.2
LG-661611PL	URA21LED PLUS 90LM 3H NP	2.4	1.7	1.2	1.3	3.2	2.2	1.2
LG-661612PL	URA21LED PLUS 200LM 2H NP AUTOTEST	1.2	0.9	1.2	1.0	0.8	1.5	1.2
LG-661614PL	URA21LED PLUS 500LM 1H NP	1.7	1.0	0.9	1.1	1.3	2.2	0.9
LG-661615PL	URA21LED PLUS 500LM 1H P/NP	1.4	1.0	0.9	1.0	1.3	1.5	0.9
LG-661617PL	URA21LED PLUS 160LM 1H NP 120V	2.2	1.7	1.2	1.0	3.2	1.7	1.2
LG-661618PL	URA21LED PLUS 350LM 1H NP 120V	1.7	1.2	1.2	1.8	1.3	2.2	1.1
LG-662603PL	URA21LED PLUS LVS2 100LM 1H P/NP	2.1	1.6	1.2	1.8	3.2	1.5	1.1
LG-662606PL	URA21LED PLUS LVS2 200LM 1H P/NP	1.2	0.9	1.3	1.8	0.8	1.5	1.2
LG-662607PL	URA21LED PLUS LVS2 350LM 1H P/NP	0.7	0.9	1.3	1.8	0.8	0.6	1.2
LG-662610PL	URA21LED PLUS LVS2 100LM 3H P/NP	0.7	0.9	1.3	1.8	0.8	0.6	1.2
LG-662612PL	URA21LED PLUS LVS2 200LM 2H P/NP	0.7	0.9	1.2	1.0	0.8	0.6	1.2
LG-662613PL	URA21LED PLUS LVS2 350LM 2H P/NP	0.7	0.9	1.2	1.0	0.8	0.6	1.2

Registration number: **LGRP-02193-V01.01-EN**

Drafting rules: **PEP-PCR-ed4-EN-2021 09 06**
Supplemented by **PSR-0007-ed2.1-EN-2023 12 08**

Verifier accreditation N°: **VH42**

Information and reference documents: **www.pep-ecopassport.org**

Date of issue: **09-2025**

Validity period: **5 years**

Independent verification of the declaration and data, in compliance with ISO 14025 : 2006

Internal ☐ External ☒

The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)

PEP are compliant with NF C08-100-1 :2016 and EN 50693 :2019 or NF E38-500 :2022

The elements of the present PEP cannot be compared with elements from another program

Document in compliance with ISO 14025 : 2006: «Environmental labels and declarations.
Type III environmental declarations»



Environmental data in alignment with EN 15804: 2012 + A2 : 2019