

DUNA BIO

The **bio-based** luminaire for a greener future

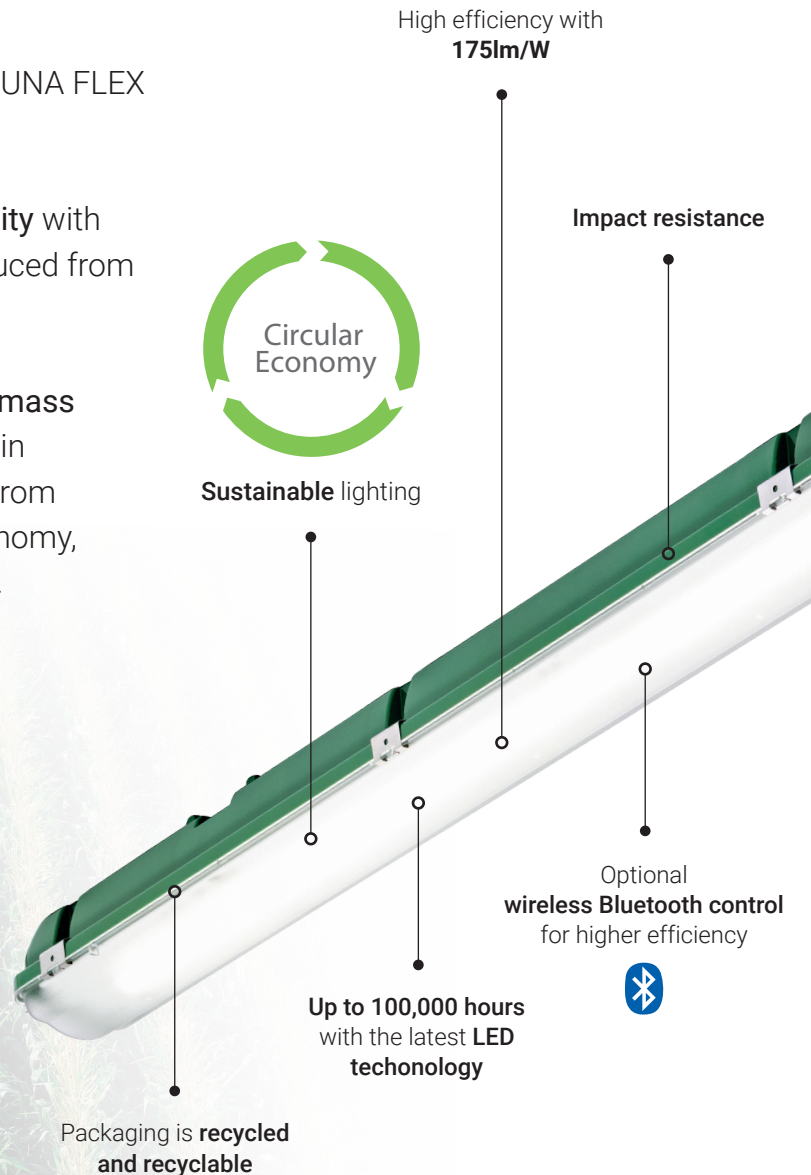
DUNA BIO

The new bio-based luminaire for a sustainable future

DUNA BIO is the new ZALUX luminaire based on DUNA FLEX and manufactured with bio-based polycarbonate.

This is our **statement of drive towards sustainability** with the use of recycled and recyclable materials, produced from renewable sources.

Thanks to the use of **bio-based materials with biomass origin**, we are able to connect resource supply chain management with waste management systems (from cradle to cradle), to move forward the circular economy, while contributing to reduce the use of fossil fuels.



Electronic, plastic and metal components
can be segregated to **contribute to recycling**
at the end of the product's lifetime

Extraordinary lighting quality
flicker-free

Bio-based plastics are recyclable,
so their waste can be converted
into **new products or raw materials**
for further use



CHARACTERISTICS



RoHS REACH

5 YEARS
warranty



Mechanical

IK08 IP66

Housing	Injected partly bio-based polycarbonate
Diffuser	Injected partly bio-based polycarbonate
Closing clips	Stainless steel, unremovable
Gasket	Polyurethane
Cable entry	Cable gland
Fixing clips	Stainless steel

Electrical



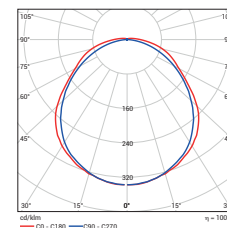
Connection	3/5 pole push wire terminal block
Flicker factor	<1%

Functional

Lifetime	L80 100,000 hours at 35°C
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Photometrical

Luminous flux	Up to 6,180lm
Efficiency	Up to 175lm/W



OPERATIONAL DATA

Description	Reference	Luminous flux (lm)	Power (W)	Efficiency (lm/W)
DBHE 1.2 42-840 ET IX-U CG	10243456	4000	24	170
DBHE 1.2 42-840 ET IX-U CG 5x2.5	10243459	4000	24	170
DBHE 1.2 42-840 ET IX-U CG HFS FC	10296020	4000	25	160
DBHE 1.5 61-840 ET IX-U CG	10243457	6000	34	175
DBHE 1.5 61-840 ET IX-U CG 5x2.5	10243458	6000	34	175
DBHE 1.5 61-840 ET IX-U CG HFS FC	10296557	6000	34	170



What is **DUNA BIO** made of?

DUNA BIO housing and diffuser are made of a partly bio-based (>70%), technical polymer, with great properties.

- It has an excellent impact resistance, as well as **high robustness**.

This bio-based polycarbonate resin is derived primarily from biophenols and bioacetones **produced from renewable resources**, and the raw material is ISCC certified.



REACT

against climate change and waste problems



REUSE

plastics to reduce waste production



REINFORCE

the message of a more sustainable world



RECOMMIT

people to a cleaner future



REDESIGN

products and processes for a circular economy



ZALUX, S.A.

Avda. Manuel Rodríguez Ayuso, 114
Centro Empresarial Miralbueno
Planta 1ª – Local P2
E-50012 Zaragoza, Spain
Tel.: +34 976 462 200
info@zalux.com

The partner you can trust



Data subject to change. Brochure DUNA BIO 2023.1