

Darwin

Darwin XL

LIXERO

3D-printed downlight,
made from recycled material
of Dutch origin.



yuugn®
next generation light

Description

The DARWIN downlight is a strong example of sustainable innovation. The housing is 3D-printed using recycled PETG material derived from repurposed plastics.

By choosing recycled materials, we give existing resources a second life and reduce the demand for new, fossil-based raw materials. In doing so, we actively contribute to reducing waste and preserving valuable resources.

Moreover, the luminaire is fully recyclable, allowing it to be reprocessed into new products after use.

Specifications

General
Housing material
Housing color

Darwin

3D-printed downlight
Recycled PETG
Traffic White RAL 9016
Traffic Black RAL9017

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Color Temperature

3000K
4000K

3000K
4000K

Color Rendering
Color consistency

CRI>90
2 SDCM

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2 SDCM

Beam Angle

10° spot beam
14° smooth spot beam
25° wide beam
35° wide beam
55° wide beam

10° spot beam
15° spot beam
26° wide beam
36° wide beam
60° wide beam
80° wide beam

Light source
System efficacy

COB LED
140 lm/W

COB LED
140 lm/W

Luminous flux

920 lm @200mA
1610 lm @350mA
2300 lm @500mA

960 lm @200mA
1680 lm @350mA
2400 lm @500mA

System Power

6,5 W @200mA
11,4 W @350mA
16,3 W @500mA

6,5 W @200mA
11,4 W @350mA
16,3 W @500mA

LED lifetime at Ta 25 °C
Operating temperature

>60.000 hours (L90B50)
0 tot +40 °C

>60.000 hours (L90B50)
0 tot +40 °C

Mounting option

Recessed with spring clips

Recessed with spring clips

Trim / cut-out diameter

140 / 120 mm
150 / 130 mm
160 / 140 mm
170 / 150 mm
180 / 160 mm
190 / 170 mm

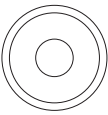
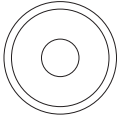
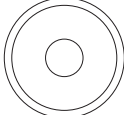
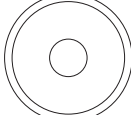
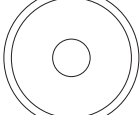

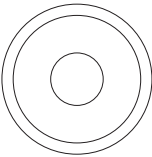
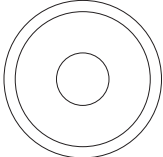
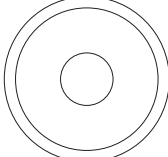
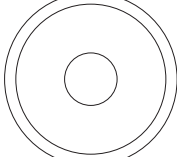
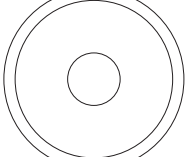
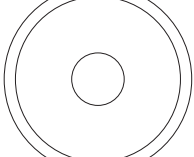
200 / 170 mm
210 / 180 mm
220 / 190 mm
230 / 200 mm
240 / 210 mm
250 / 220 mm

Height
Heatsink material
Ingress protection rating
Protection class
Warranty

80 mm
Aluminium EN AW-6063 T5
IP20
II
5 years

110 mm
Aluminium EN AW-6063 T5
IP20
II
5 years

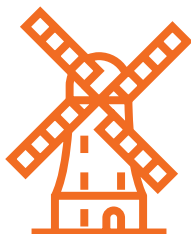
Diameter range DARWIN and DARWIN XL downlights

Darwin D.140	Darwin D.150	Darwin D.160	Darwin D.170	Darwin D.180	Darwin D.190
					
Øtrim 14cm Øcut-out 12cm	Øtrim 15cm Øcut-out 13cm	Øtrim 16cm Øcut-out 14cm	Øtrim 17cm Øcut-out 15cm	Øtrim 18cm Øcut-out 16cm	Øtrim 19cm Øcut-out 17cm
Darwin XL D.200	Darwin XL D.210	Darwin XL D.220	Darwin XL D.230	Darwin XL D.240	Darwin XL D.250
					
Øtrim 20cm Øcut-out 17cm	Øtrim 21cm Øcut-out 18cm	Øtrim 22cm Øcut-out 19cm	Øtrim 23cm Øcut-out 20cm	Øtrim 24cm Øcut-out 21cm	Øtrim 25cm Øcut-out 22cm



3D-printed

The DARWIN is 3D-printed using advanced manufacturing technology. This enables a sustainable design with minimal material usage and waste.



Made in the Netherlands

The DARWIN is a sustainable lighting fixture, produced in the Netherlands and manufactured from recycled material of Dutch origin.