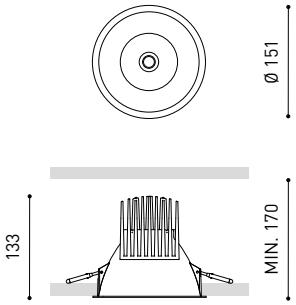
LEX ECO

ARKOSLIGHT®

DIMENSIONS



ACCESSORIES

LED

HIGH CHROMATIC LED

AWARDS

DESIGN PLUS 2012 AWARD

Premios Delta'12 Selección

	PRODUCT
Name	LEX ECO 3 CRI 90 4000K W
Reference	A0700118W
Color	Matt white
RAL	9016
Category	CEILING RECESSED

	LIGHTING INFORMATION
Light source	LED
Gross luminous flux	2840 Lm
Power	24 W
Power values of the system	26,67 W
Colour temperature	4000 K - Other K, please consult
Colour Rendering Index	CRI>90
Chromatic stability	Mac Adam Step 2
Light beam angle	71°
Unified Glare Rating	UGR<19
Lighting efficiency	70%
Efficacy	118 Lm/W
Current intensity	700 mA
Control through bluetooth	Please Consult
Driver	Included - Connected
Emergency power supply	Please Consult
Electrical insulation class	□
Voltage	220 V/240 V
Frequency	50/60 Hz
Energy efficiency	A
LED lifespan	L80B10 (Tj=85°C) >60.000h

	OTHER DATA
Ingress Protection	IP20
Recess measurements	Ø140 mm.
Weight	760 g.
Packaged weight	990 g.
Packaging dimensions	240 × 212 × 163 mm.
Units per package	1
Materials	Aluminium / Polycarbonate

CE

Lex Eco is a ceiling recessed downlight with COB LED and without diffuser, which makes it a very distinct luminaire. As the location of its LED is set back, Lex Eco achieves great visual comfort. Its matte finish shade fosters this aspect and offers elegant aesthetics.

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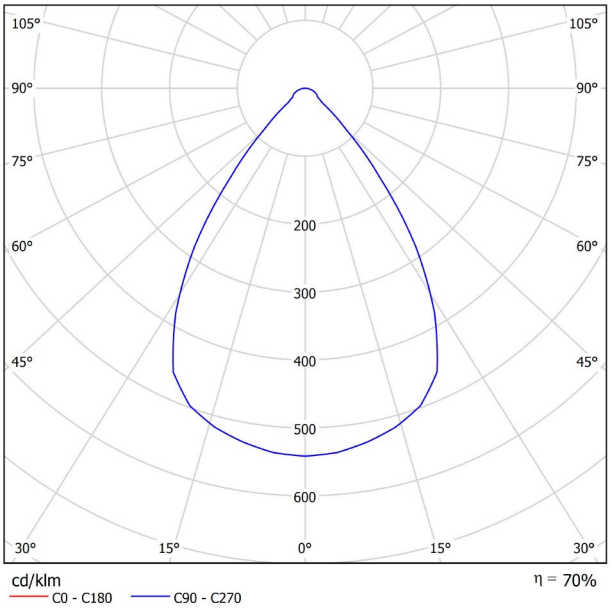
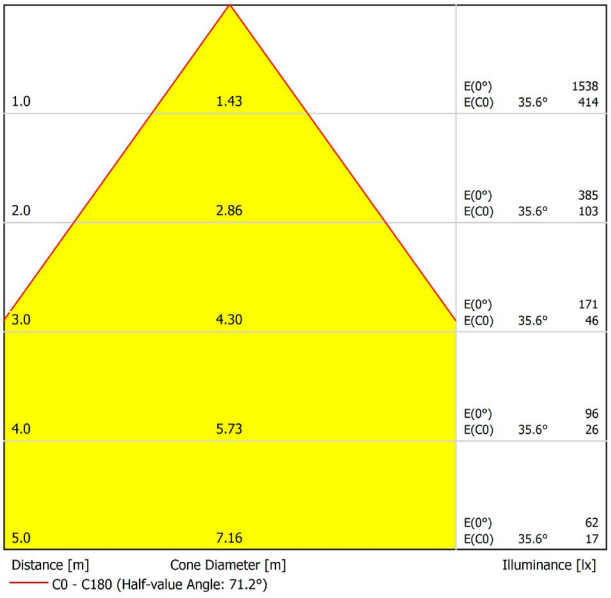
5 Year GUARANTEE*

POLAR DIAGRAM



CONICAL DIAGRAM



UGR

Glare Evaluation According to UGR

ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	13.9	14.7	14.1	14.9	15.1	13.9	14.7	14.1	14.9	15.1
	3H	16.0	16.7	16.3	17.0	17.2	16.0	16.7	16.3	17.0	17.2
	4H	16.8	17.5	17.1	17.7	18.0	16.8	17.5	17.1	17.7	18.0
	6H	17.4	18.0	17.7	18.3	18.6	17.4	18.0	17.7	18.3	18.6
	8H	17.6	18.2	17.9	18.5	18.8	17.6	18.2	17.9	18.5	18.8
	12H	17.7	18.3	18.1	18.6	19.0	17.7	18.3	18.1	18.6	19.0
4H	2H	14.6	15.3	14.9	15.6	15.8	14.6	15.3	14.9	15.6	15.8
	3H	16.9	17.5	17.2	17.8	18.1	16.9	17.5	17.2	17.8	18.1
	4H	17.8	18.3	18.2	18.7	19.0	17.8	18.3	18.2	18.7	19.0
	6H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.0	19.4	19.8
	8H	18.8	19.2	19.3	19.6	20.0	18.8	19.2	19.3	19.6	20.0
	12H	19.0	19.4	19.5	19.8	20.2	19.0	19.4	19.5	19.8	20.2
8H	4H	18.2	18.6	18.6	19.0	19.4	18.2	18.6	18.6	19.0	19.4
	6H	19.1	19.4	19.5	19.8	20.2	19.1	19.4	19.5	19.8	20.2
	8H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.6
	12H	19.7	19.9	20.2	20.4	20.9	19.7	19.9	20.2	20.4	20.9
12H	4H	18.2	18.6	18.6	19.0	19.4	18.2	18.6	18.6	19.0	19.4
	6H	19.1	19.4	19.6	19.9	20.3	19.1	19.4	19.6	19.9	20.3
	8H	19.5	19.8	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.7

Variation of the observer position for the luminaire distances S

S = 1.0H	+2.0 / -1.9	+2.0 / -1.9
S = 1.5H	+4.1 / -2.1	+4.1 / -2.1
S = 2.0H	+5.8 / -2.4	+5.8 / -2.4
Standard table	BK02	BK02
Correction Summand	-1.6	-1.6

Corrected Glare Indices referring to 2840lm Total Luminous Flux

HIGH CHROMATIC LED

ARKOSLIGHT®

FOR COMMERCIAL PRODUCT SHOWCASING

Vivid Model Colour Temperature	2700K	3000K	3500K	4000K	Light Pink
Reading			●	●	
Fruits & Vegetables		●	●		
Bakery	●				
Retail		●	●		
Cosmetics			●	●	
Meat					●
Fish				●	
Seafood				●	●

For some of its products, Arkoslight offers the possibility to provide them with a special LED, designed to create an illumination focused on visually promoting goods or products for commercial purposes. It is a high chromaticity LED, capable of identifying the colour shades that produce a positive psychological perception of the illuminated object.

This special LED lighting source offers a much more attractive and intense colour range than a conventional LED, besides being much wider. Technically, this is possible thanks to a special LED setting that includes a «special saturation parameter» , capable of highlighting the objects colours and materials in such a way that they seem more attractive within the visible light spectrum. To achieve this performance, in each case, the appropriate diode and specific phosphor coating are carefully selected.

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