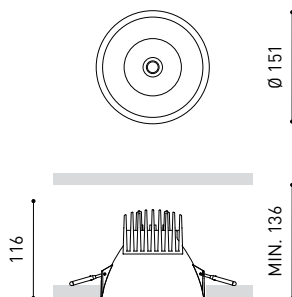




DIMENSIONS



ACCESSORIES



HIGH CHROMATIC LED


AWARDS

DESIGN PLUS
2012 AWARD

PRODUCT

Name	LEX ECO 1 CRI 90 3000K W
Reference	A0700101W
Color	Matt white
RAL	9016
Category	CEILING RECESSED

LIGHTING INFORMATION

Light source	LED
Gross luminous flux	1420 Lm
Power	10 W
Power values of the system	11,76 W
Colour temperature	3000 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	142 Lm/W
Current intensity	300 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

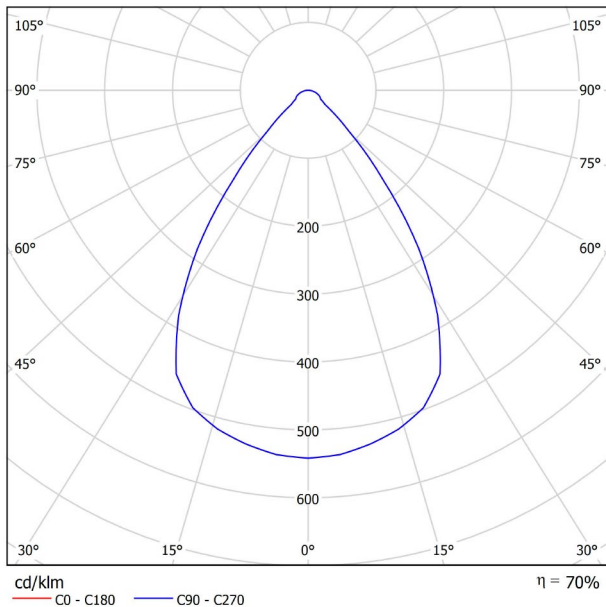
OTHER DATA

Ingress Protection	IP20
Recess measurements	Ø140 mm.
Weight	550 g.
Packaged weight	780 g.
Packaging dimensions	240 x 212 x 163 mm.
Units per package	1
Materials	Aluminium / Polycarbonate

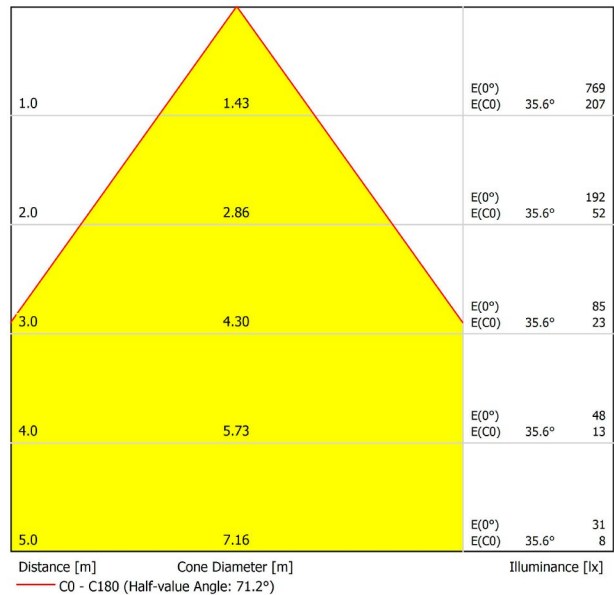


Lex Eco is a ceiling recessed downlight with COB LED and without diffuser, which makes it a very distinct luminaire. As the location of its LED is set back, Lex Eco achieves great visual comfort. Its matte finish shade fosters this aspect and offers elegant aesthetics.

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	11.5	12.3	11.7	12.5	12.7	11.5	12.3	11.7	12.5	12.7	
	3H	13.6	14.3	13.9	14.5	14.8	13.6	14.3	13.9	14.5	14.8	
	4H	14.4	15.1	14.7	15.3	15.6	14.4	15.1	14.7	15.3	15.6	
	6H	15.0	15.6	15.3	15.9	16.2	15.0	15.6	15.3	15.9	16.2	
	8H	15.2	15.8	15.5	16.1	16.4	15.2	15.8	15.5	16.1	16.4	
4H	12H	15.3	15.9	15.7	16.2	16.6	15.3	15.9	15.7	16.2	16.6	
	2H	12.2	12.9	12.5	13.2	13.4	12.2	12.9	12.5	13.2	13.4	
	3H	14.5	15.1	14.8	15.4	15.7	14.5	15.1	14.8	15.4	15.7	
	4H	15.4	15.9	15.8	16.3	16.6	15.4	15.9	15.8	16.3	16.6	
	6H	16.2	16.6	16.6	17.0	17.3	16.2	16.6	16.6	17.0	17.3	
8H	8H	16.4	16.8	16.9	17.2	17.6	16.4	16.8	16.9	17.2	17.6	
	12H	16.6	17.0	17.1	17.4	17.8	16.6	17.0	17.1	17.4	17.8	
	4H	15.8	16.2	16.2	16.5	16.9	15.8	16.2	16.2	16.5	16.9	
	6H	16.7	17.0	17.1	17.4	17.8	16.7	17.0	17.1	17.4	17.8	
	8H	17.0	17.3	17.5	17.7	18.2	17.0	17.3	17.5	17.7	18.2	
12H	12H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0	18.5	
	4H	15.8	16.1	16.2	16.6	17.0	15.8	16.1	16.2	16.6	17.0	
	6H	16.7	17.0	17.2	17.4	17.9	16.7	17.0	17.2	17.4	17.9	
	8H	17.1	17.4	17.6	17.8	18.3	17.1	17.4	17.6	17.8	18.3	
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 1420lm 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.