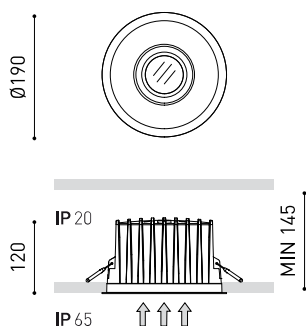




Dimensions



Accessories



HIGH CHROMATIC LED

Name	DUOMO IP65 2 DIM DALI 3000K W
Reference	A2850241W
Colour	White
RAL	Colour in the mass looks alike RAL 9016
Category	CEILING RECESSED

Type	LED
Gross luminous flux	5100 lm
Colour temperature	3000 K - Other K, please consult
Chromatic stability	MacAdam Step 2
Colour Rendering Index	CRI>90
Power	41 W
Current	1200 mA
Efficacy	124 lm/W
LED lifespan	L90B10 >55.000h
Energy efficiency class	E

Lighting efficiency	80%
Light beam angle	42°

Driver	Included - Connected
Power values of the system	45,66 W
Frequency	50/60 Hz
Dimming	DALI
Electrical insulation class	□

Sealing	IP65/20
Wireless control	Please Consult
Emergency power supply	Please Consult
Recess measurements	Ø177 mm
Weight	1720 g
Packaged weight	1966 g
Packaging dimensions	244 x 227 x 161 mm
Units per package	1
Materials	Aluminium / Polycarbonate / Optical glass

PRODUCT

LIGHT SOURCE

LIGHTING FIXTURE | PHOTOMETRIC DATA

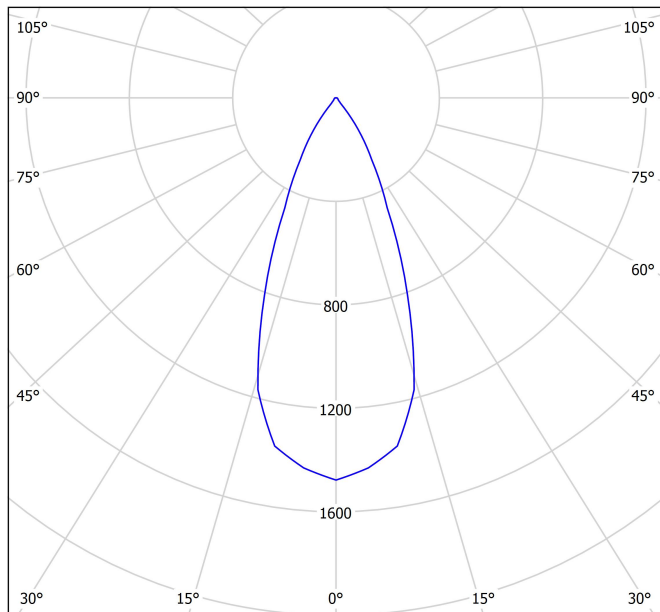
LIGHTING FIXTURE | ELECTRICAL DATA

OTHER DATA



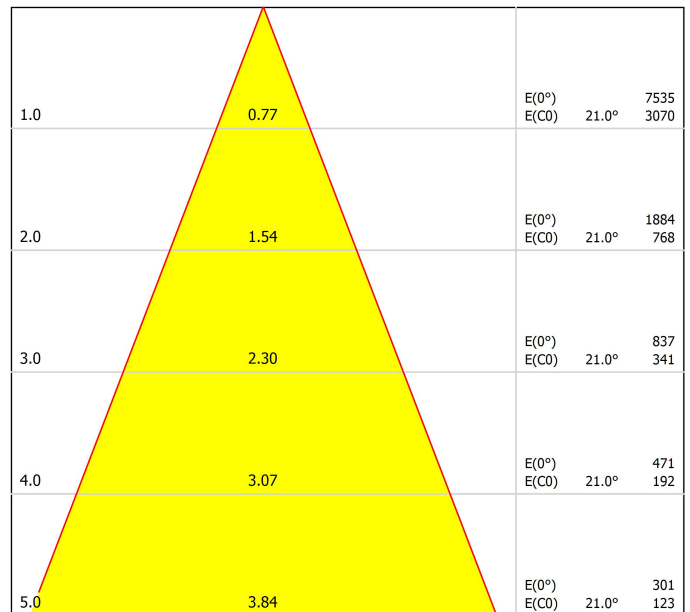
Combine an elevated luminous flux with an excellent visual comfort: this is the virtue of Duomo. Its recessed LED and its optical glass lense reduce the luminaires UGR value and its ant-glare lampshade diminishes reflections. Duomo is convenient for applications with big ceiling heights and projects with high light level requirements. Conceived to cover demands of general lighting, its conical light distribution offers a very uniform lighting.

Polar diagram



cd/klm — C0 - C180 — C90 - C270 η = 80%

Conical diagram











Distance [m] Cone Diameter [m] Illuminance [lx]
— C0 - C180 (Half-value Angle: 42.0°)

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	8.0	8.7	8.2	8.9	9.0	8.0	8.7	8.2	8.9	9.0
	3H	10.4	11.0	10.7	11.2	11.5	10.4	11.0	10.7	11.2	11.5
	4H	11.6	12.2	11.9	12.5	12.7	11.6	12.2	11.9	12.5	12.7
	6H	12.9	13.5	13.3	13.8	14.0	12.9	13.5	13.3	13.8	14.0
	8H	13.6	14.1	14.0	14.4	14.7	13.6	14.1	14.0	14.4	14.7
4H	12H	14.4	14.9	14.7	15.2	15.5	14.4	14.9	14.7	15.2	15.5
	2H	8.7	9.3	9.0	9.6	9.8	8.7	9.3	9.0	9.6	9.8
	3H	11.4	11.9	11.7	12.2	12.5	11.4	11.9	11.7	12.2	12.5
	4H	12.8	13.3	13.2	13.6	13.9	12.8	13.3	13.2	13.6	13.9
	6H	14.4	14.7	14.8	15.1	15.5	14.4	14.7	14.8	15.1	15.5
8H	8H	15.2	15.5	15.6	15.9	16.3	15.2	15.5	15.6	15.9	16.3
	12H	16.0	16.3	16.5	16.7	17.1	16.0	16.3	16.5	16.7	17.1
	4H	13.4	13.7	13.8	14.1	14.5	13.4	13.7	13.8	14.1	14.5
	6H	15.2	15.4	15.6	15.9	16.3	15.2	15.4	15.6	15.9	16.3
	8H	16.2	16.4	16.6	16.8	17.3	16.2	16.4	16.6	16.8	17.3
12H	12H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9	18.4
	4H	13.6	13.8	14.0	14.2	14.7	13.6	13.8	14.0	14.2	14.7
	6H	15.4	15.6	15.9	16.1	16.5	15.4	15.6	15.9	16.1	16.5
8H	16.5	16.7	17.0	17.1	17.6	16.5	16.7	17.0	17.1	17.6	
Variation of the observer position for the luminaire distances S											
S = 1.0H	+2.5 / -1.0					+2.5 / -1.0					
S = 1.5H	+4.6 / -1.2					+4.6 / -1.2					
S = 2.0H	+6.5 / -1.5					+6.5 / -1.5					
Standard table	---					---					
Correction	---					---					
Summand	---					---					
Corrected Glare Indices referring to 5100lm Total Luminous Flux											

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

High Chromatic LED

For commercial product showcasing.

Arkoslight offers, in some of its products, the possibility to incorporate a special LED designed to enhance the visual presentation of goods and products for commercial purposes.

This high-chromaticity LED is selected to highlight tones that encourage a positive psychological perception of the illuminated object.

The light source provides a more attractive and intense colour palette than a conventional LED. This is achieved through a specific LED configuration under a "special saturation parameter," allowing colours and textures to appear more vivid within the visible spectrum.

The diode and its phosphor coating are carefully selected for each application.



Fuente de luz (LED) reemplazable por un profesional autorizado
 Replaceable (LED only) light source by an authorized professional.
 Source lumineuse (LED) remplaçable par un professionnel agréé
 Sorgente luminosa (LED) sostituibile da parte di un professionista autorizzato
 Austauschbare (LED) Lichtquelle durch einen autorisierten Fachmann



Equipo de control reemplazable por un profesional autorizado
 Replaceable control gear by an authorized professional
 Dispositif de commande remplaçable par un professionnel agréé
 Alimentatore sostituibile da parte di un professionista autorizzato
 Auswechselbares Betriebsgerät durch autorisierten Fachmann

Instrucciones para el final de vida y la eliminación de los componentes:

Instructions on end-of-life and component disposal:

Instructions pour la gestion des composants en fin de vie et leur mise au rebut :

Istruzioni per il fine vita e lo smaltimento dei componenti:

Anweisungen zur entsorgung der Leuchtenkomponenten:



Interrumpir la alimentación del aparato
 Cut the power supply to the luminaire
 Couper l'alimentation du luminaire
 Interrompere l'alimentazione dell'apparecchio
 Stromversorgung der Leuchte unterbrechen



Quitar la(s) fuente(s) de luz para el desecho
 Remove light source(s) for disposal
 Retirer la (les) source(s) lumineuse(s) pour l'élimination
 Rimuovere la/le sorgente/e di luce per lo smaltimento
 Lichtquelle(n) zur Entsorgung entfernen



Quitar la batería para el desecho
 Remove the battery for decommissioning
 Retirer la batterie pour sa mise au rebut
 Rimuovere la batteria per la dismissione
 Die Batterie ordnungsgemäß entsorgen



Quitar el equipo de control para el desecho
 Remove control gear for disposal
 Retirer le dispositif de commande pour l'élimination
 Rimuovere l'alimentatore per lo smaltimento
 Betriebsgerät zur Entsorgung ausbauen



Enviar los materiales a un centro de recogida RAEE
 Send the materials to a WEEE collection centre
 Envoyer les matériaux dans une déchetterie DEEE
 Inviare i materiali ad un centro di raccolta RAEE
 Die Materialien in einem WEEE-Zentrum entsorgen

