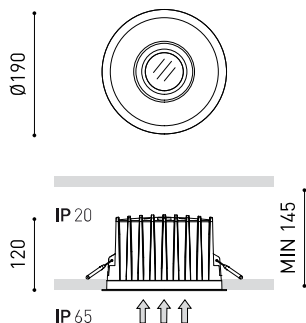




## Dimensions



## Accessories



HIGH CHROMATIC LED

## PRODUCT

|           |   |
|-----------|---|
| Name      | DUOMO IP65 1 4000K W                    |
| Reference | A2850112W                               |
| Color     | White                                   |
| RAL       | Colour in the mass looks alike RAL 9016 |
| Category  | CEILING RECESSED                        |

## LIGHT SOURCE

|                         |                                  |
|-------------------------|----------------------------------|
| Type                    | LED                              |
| Gross luminous flux     | 2500 lm                          |
| Colour temperature      | 4000 K - Other K, please consult |
| Chromatic stability     | MacAdam Step 2                   |
| Colour Rendering Index  | CRI>90                           |
| Power                   | 16,5 W                           |
| Current                 | 500 mA                           |
| Efficacy                | 152 lm/W                         |
| LED lifespan            | L90B10 >55.000h                  |
| Energy efficiency class | E                                |

## LIGHTING FIXTURE | PHOTOMETRIC DATA

|                     |     |
|---------------------|-----|
| Lighting efficiency | 80% |
| Light beam angle    | 42° |

## LIGHTING FIXTURE | ELECTRICAL DATA

|                             |                      |
|-----------------------------|----------------------|
| Driver                      | Included - Connected |
| Power values of the system  | 19,08 W              |
| Frequency                   | 50/60 Hz             |
| Dimming                     | No Dim               |
| Electrical insulation class | □                    |

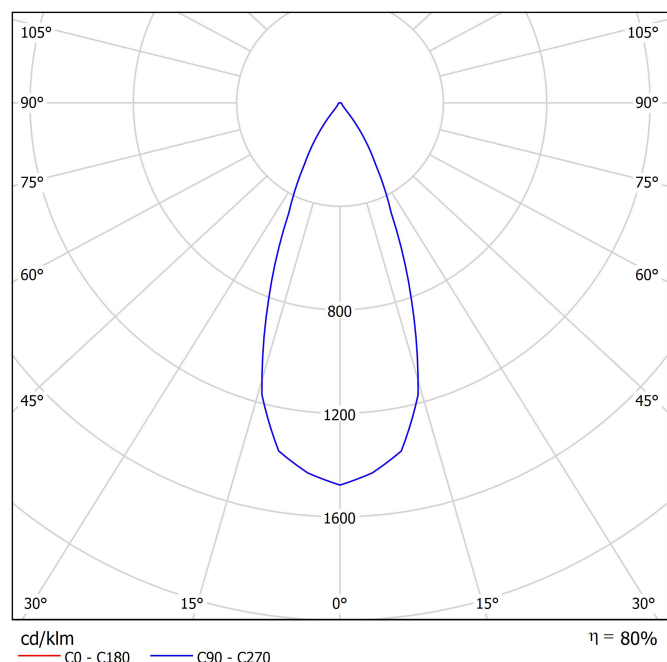
## OTHER DATA

|                        |   |
|------------------------|---|
| Sealing                | IP65/20                                   |
| Wireless control       | Please Consult                            |
| Emergency power supply | Please Consult                            |
| Recess measurements    | Ø177 mm                                   |
| Weight                 | 1590 g                                    |
| Packaged weight        | 1836 g                                    |
| Packaging dimensions   | 244 x 227 x 161 mm                        |
| Units per package      | 1   |
| Materials              | Aluminium / Polycarbonate / Optical glass |

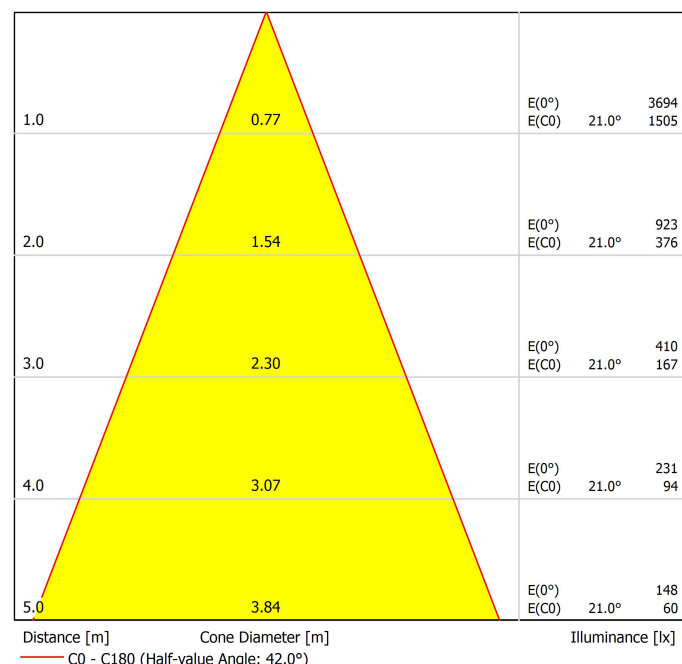


Combine an elevated luminous flux with an excellent visual comfort: this is the virtue of Duomo. Its recessed LED and its optical glass lense reduce the luminaires UGR value and its ant-glare lampshade diminishes reflections. Duomo is convenient for applications with big ceiling heights and projects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

## Polar diagram



## 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<br>X Y  |  | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |  |
| 2H  | 2H   | 5.5   | 6.2  | 5.7  | 6.4  | 6.6  | 5.5  | 6.2  | 5.7  | 6.4  | 6.6  |  |
|   | 3H   | 7.9   | 8.5  | 8.2  | 8.8  | 9.0  | 7.9  | 8.5  | 8.2  | 8.8  | 9.0  |  |
|   | 4H   | 9.1   | 9.7  | 9.4  | 10.0 | 10.2 | 9.1  | 9.7  | 9.4  | 10.0 | 10.2 |  |
|   | 6H   | 10.5  | 11.0 | 10.8 | 11.3 | 11.6 | 10.5                                       | 11.0 | 10.8 | 11.3 | 11.6 |  |
|   | 8H   | 11.1  | 11.7 | 11.5 | 12.0 | 12.3 | 11.1                                       | 11.7 | 11.5 | 12.0 | 12.3 |  |
| 4H  | 12H  | 11.9  | 12.4 | 12.2 | 12.7 | 13.0 | 11.9                                       | 12.4 | 12.2 | 12.7 | 13.0 |  |
|   | 2H   | 6.2   | 6.8  | 6.5  | 7.1  | 7.3  | 6.2  | 6.8  | 6.5  | 7.1  | 7.3  |  |
|   | 3H   | 8.9   | 9.4  | 9.3  | 9.7  | 10.0 | 8.9  | 9.4  | 9.3  | 9.7  | 10.0 |  |
|   | 4H   | 10.4  | 10.8 | 10.7 | 11.1 | 11.5 | 10.4                                       | 10.8 | 10.7 | 11.1 | 11.5 |  |
|   | 6H   | 11.9  | 12.2 | 12.3 | 12.6 | 13.0 | 11.9                                       | 12.2 | 12.3 | 12.6 | 13.0 |  |
| 8H  | 8H   | 12.7  | 13.0 | 13.1 | 13.4 | 13.8 | 12.7                                       | 13.0 | 13.1 | 13.4 | 13.8 |  |
|   | 12H  | 13.5  | 13.8 | 14.0 | 14.2 | 14.6 | 13.5                                       | 13.8 | 14.0 | 14.2 | 14.6 |  |
|   | 4H   | 10.9  | 11.3 | 11.4 | 11.6 | 12.0 | 10.9                                       | 11.3 | 11.4 | 11.6 | 12.0 |  |
|   | 6H   | 12.7  | 13.0 | 13.2 | 13.4 | 13.8 | 12.7                                       | 13.0 | 13.2 | 13.4 | 13.8 |  |
|   | 8H   | 13.7  | 13.9 | 14.2 | 14.3 | 14.8 | 13.7                                       | 13.9 | 14.2 | 14.3 | 14.8 |  |
| 12H   | 12H  | 14.8  | 14.9 | 15.2 | 15.4 | 15.9 | 14.8                                       | 14.9 | 15.2 | 15.4 | 15.9 |  |
|   | 4H   | 11.1  | 11.4 | 11.5 | 11.8 | 12.2 | 11.1                                       | 11.4 | 11.5 | 11.8 | 12.2 |  |
|   | 6H   | 12.9  | 13.2 | 13.4 | 13.6 | 14.1 | 12.9                                       | 13.2 | 13.4 | 13.6 | 14.1 |  |
|   | 8H   | 14.0  | 14.2 | 14.5 | 14.6 | 15.1 | 14.0                                       | 14.2 | 14.5 | 14.6 | 15.1 |  |
|   | Variation of the observer position for the luminaire distances S |   |      |      |      |      |  |      |      |      |      |  |
| S = 1.0H<br>S = 1.5H<br>S = 2.0H                                |  | +2.5 / -1.0<br>+4.6 / -1.2<br>+6.5 / -1.5         |      |      |      |      | +2.5 / -1.0<br>+4.6 / -1.2<br>+6.5 / -1.5  |      |      |      |      |  |
| Standard table  |  | ---   |      |      |      |      | ---  |      |      |      |      |  |
| Correction<br>Summand   |  | ---   |      |      |      |      | ---  |      |      |      |      |  |
| Corrected Glare Indices referring to 2500lm Total Luminous Flux |  |   |      |      |      |      |  |      |      |      |      |  |

| Vivid Model<br>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

