



FLAT POLYMERO® KREIS

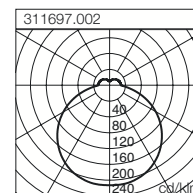
Pendant luminaires

- Comprehensive range consisting of:
 - Pendant luminaires
 - Ceiling luminaires
 - Wall luminaires
- Depending on the version, high-quality polycarbonate or acrylic glass (PMMA) are available as diffuser
- Uniform lighting achieved by the use of LED surface modules
- Different diameters available
- Numerous customized solutions are available
- Can also be used as ready-to-install luminous ceiling with minor setup and maintenance costs
- Two different light colours 830 and 840
- Good colour consistency within 3-steps MacAdam (3 SDCM)
- On/Off with integrated phase cut dimming

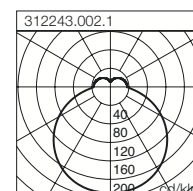


Further luminaires of this series, see:
Indoor lighting | Ceiling and wall luminaires

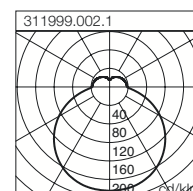
311697.002		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
1	2	2
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
1	2	3



311999.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	5
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	5	9



312243.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	4	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
4	6	9



Pendant luminaires | Series: Flat Polymero® Kreis XXL

Type of Protection: IP 40

Protection Class: I

Impact Protection: IK07 (PMMA), IK10 (polycarbonate)

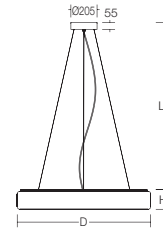
Suspension Length: 600-1300 mm

Base and canopy: metal, powder-coated, white. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: sash lock.

LED included.

Available colour: 2 = white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
------------------	------------	------	--------------	----------------	--------------	----------	-----

Pendant luminaires

Price Category 21

Diffuser: plastic (PMMA) D 1040 mm

311697.002	D 1040, H 150	LED	830	9650 lm	100 W	on/off	A++ A++
311697.002.76	D 1040, H 150	LED	830	9650 lm	100 W	DALI	A++ A++
311697.002.1	D 1040, H 150	LED	840	10500 lm	100 W	on/off	A++ A++
311697.002.1.76	D 1040, H 150	LED	840	10500 lm	100 W	DALI	A++ A++


Diffuser: plastic (polycarbonate) D 1040 mm

311697.002.2	D 1040, H 150	LED	830	10500 lm	100 W	on/off	A++ A++
311697.002.2.76	D 1040, H 150	LED	830	10500 lm	100 W	DALI	A++ A++
311697.002.3	D 1040, H 150	LED	840	11400 lm	100 W	on/off	A++ A++
311697.002.3.76	D 1040, H 150	LED	840	11400 lm	100 W	DALI	A++ A++

Replacement diffusers

Price Category 13

08-311292.002	D 1040, H 150	Plastic (PMMA)
08-311292.012	D 1040, H 150	Plastic (polycarbonate)

Comparison
LED vs. conventional lamps
LED 100 W ≈

4 x 55 W TC-L (232 W EB)


 The application image shows:
 Flat Polymero® Kreis XXL
 Douala®

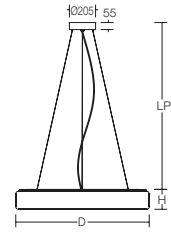


Pendant luminaires | Series: Flat Polymero® Kreis

Type of Protection: IP 40
 Protection Class: I
 Impact Protection: IK03 (PMMA), IK10 (polycarbonate)
 Suspension Length: 200-1300 mm, 350-1300 mm

Base and canopy: metal, powder-coated, white. Diffuser: plastic (PMMA), opal, or plastic (polycarbonate), opal and shockproof. Diffuser fastening: patented push system. Canopy Ø 205 mm, h 55 mm. 3-point steel cable suspension, steplessly adjustable. Special lengths available on request.

LED included.
 Available colour: 2 = white



Comparison LED vs. conventional lamps

LED 21 W ≈
 2 x 26 W TC-D (68 W CB)

LED 27 W ≈
 3 x 18 W TC-D (78 W CB)

LED 33 W ≈
 3 x 26 W TC-D (102 W CB)

DALI Applies to versions with .76

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
------------------	------------	------	--------------	----------------	--------------	----------	-----

Pendant luminaires **Price Category 11**

Diffuser: plastic (PMMA)							
D 360 mm, LP 200-1300 mm							
311978.002.3 *	D 360, H 87	LED ⁽¹⁾	830	2000 lm	21 W	on/off	A+ A+
311978.002.3.76	D 360, H 87	LED ⁽¹⁾	830	2000 lm	21 W	DALI	A+ A+
311978.002.1 *	D 360, H 87	LED ⁽¹⁾	840	2050 lm	21 W	on/off	A+ A+
311978.002.1.76	D 360, H 87	LED ⁽¹⁾	840	2050 lm	21 W	DALI	A+ A+
D 460 mm, LP 200-1300 mm							
311979.002.3 *	D 460, H 93	LED ⁽¹⁾	830	2000 lm	21 W	on/off	A+ A+
311979.002.3.76	D 460, H 93	LED ⁽¹⁾	830	2000 lm	21 W	DALI	A+ A+
311979.002.1 *	D 460, H 93	LED ⁽¹⁾	840	2100 lm	21 W	on/off	A+ A+
311979.002.1.76	D 460, H 93	LED ⁽¹⁾	840	2100 lm	21 W	DALI	A+ A+
312243.002.3 *	D 460, H 93	LED ⁽¹⁾	830	2800 lm	27 W	on/off	A+ A+
312243.002.1 *	D 460, H 93	LED ⁽¹⁾	840	2900 lm	27 W	on/off	A+ A+
D 515 mm, LP 350-1300 mm							
311999.002.3	D 515, H 98	LED ⁽¹⁾	830	3200 lm	33 W	on/off	A+ A+
311999.002.1	D 515, H 98	LED ⁽¹⁾	840	3200 lm	33 W	on/off	A+ A+
Diffuser: plastic (polycarbonate)							
D 360 mm, LP 200-1300 mm							
311978.002.4 *	D 360, H 87	LED ⁽¹⁾	830	2050 lm	21 W	on/off	A+ A+
311978.002.4.76	D 360, H 87	LED ⁽¹⁾	830	2050 lm	21 W	DALI	A+ A+
311978.002.2 *	D 360, H 87	LED ⁽¹⁾	840	2100 lm	21 W	on/off	A+ A+
311978.002.2.76	D 360, H 87	LED ⁽¹⁾	840	2100 lm	21 W	DALI	A+ A+
D 460 mm, LP 200-1300 mm							
311979.002.4 *	D 460, H 93	LED ⁽¹⁾	830	2050 lm	21 W	on/off	A+ A+
311979.002.4.76	D 460, H 93	LED ⁽¹⁾	830	2050 lm	21 W	DALI	A+ A+
311979.002.2 *	D 460, H 93	LED ⁽¹⁾	840	2150 lm	21 W	on/off	A+ A+
311979.002.2.76	D 460, H 93	LED ⁽¹⁾	840	2150 lm	21 W	DALI	A+ A+
312243.002.4 *	D 460, H 93	LED ⁽¹⁾	830	3000 lm	27 W	on/off	A+ A+
312243.002.2 *	D 460, H 93	LED ⁽¹⁾	840	3100 lm	27 W	on/off	A+ A+
D 515 mm, LP 350-1300 mm							
311999.002.4	D 515, H 98	LED ⁽¹⁾	830	3400 lm	33 W	on/off	A+ A+
311999.002.2	D 515, H 98	LED ⁽¹⁾	840	3400 lm	33 W	on/off	A+ A+

* With integrated phase cut dimming

Replacement diffusers			Price Category 13				
08-311595.002	D 360, H 81	Plastic (PMMA)					
08-311595.012	D 360, H 81	Plastic (polycarbonate)					
08-311600.002	D 460, H 88	Plastic (PMMA)					
08-311600.012	D 460, H 87	Plastic (polycarbonate)					
08-311604.002	D 515, H 93	Plastic (PMMA)					
08-311604.012	D 515, H 92	Plastic (polycarbonate)					