



TOLEDO FLAT(LINER)

RECESSED AND SURFACE MOUNTED DOWNLIGHTS,
CEILING AND PENDANT LUMINAIRES FOR INDOOR USE

TOLEDO FLAT

Outstandingly flaffordable

No, it's not a typo. To give the TOLEDO FLAT family the respect it deserves, we simply had to come up with some new terminology. The amazingly low recessed depth or mounting height and terrific value for money are what make the TOLEDO FLAT stand out - although not literally of course. Makes sense, doesn't it?

A strikingly flat design and an extremely low price aren't all that the TOLEDO FLAT has to offer. The LED downlight is available as recessed, surface, pendant and lay-in version and opens up with its two designs (round & square), a total of nine sizes and optional Chintz lamp shades (family expansion "TOLEDO FLATLINER") a remarkable number of applications. The light guide and diffuser are made of non-yellowing and therefore permanently brilliant and translucent PMMA plastic and are available in opal and prismatic. Good colour rendition values and colour consistency help to ensure light quality over the 50,000 hours of the LED service life. The efficiency is also well worth mentioning: the TOLEDO FLAT uses up to 67 percent less energy than conventional downlights.

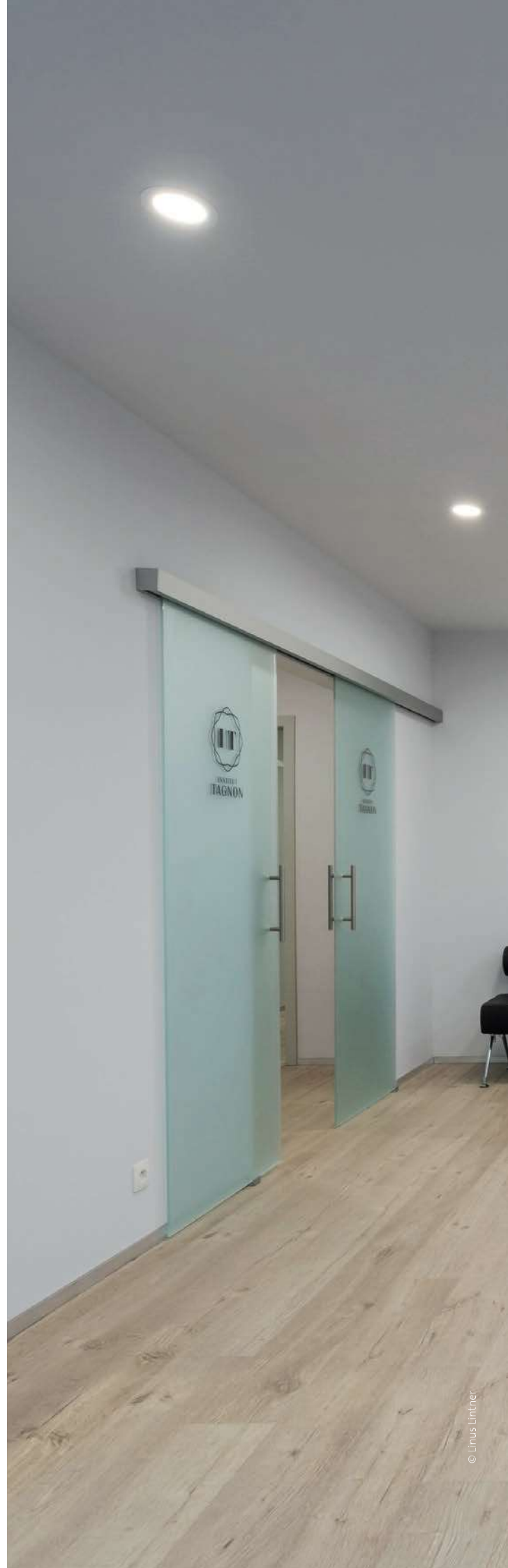
The tension springs in the flush mounted versions make installation as easy as pie and no tools are required. Surface mounted housing and recessed frames for module louvers 625 and 600 are available as optional accessories.

Furthermore various decorative lamp shades are available to be added, this cover a completely new applications' area.

The overall combination of advanced technical features, a wide choice of versions and, not least, its pleasing and versatile simplicity is what makes the TOLEDO FLAT a real favourite in the downlight sector. This is a genuine all-rounder for the commercial and private sector and remains unparalleled in terms of cost efficiency and application.

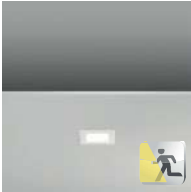
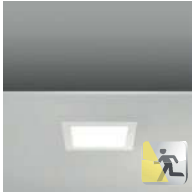
TOLEDO FLAT as an emergency luminaire

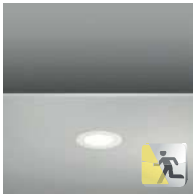
Almost all designs and sizes are also available as emergency luminaires with self-contained battery or central battery system. This family addition simplifies once again the planning and allows design continuity.



*Il faut soigner le corps
pour que l'âme s'y plaise...*



Toledo Flat				
Diffusor Kunststoff	opal	opal	opal	opal
Luminaire flux	370 - 380 lm	730 - 750 lm	1600 - 1650 lm	2050 - 2200 lm
Recessed downlights				
    				
emergency lighting				
				
Dimensions	L 110, B 110, H 3, HE 27/31-56 Page 11-13	L 172, B 172, H 3, HE 28/31-56 Page 11-13	L 225, B 225, H 3, HE 29/31-56 Page 11-13	L 300, B 300, H 3, HE 31-56 Page 11-13
Lay-in luminaires Modul 600 und 625  				
Dimensions				
Lamp shades for recessed downlights (Accessories)				
				
Dimensions	L 115, B 115, H 60 Page 10	L 177, B 177, H 60 Page 10	L 230, B 230, H 60 Page 10	L 305, B 305, H 60 Page 10
Surface mounted downlights   				
emergency lighting				
				
Dimensions	L 110, B 110, H 58 Page 18-19	L 172, B 172, H 58 Page 18-19	L 225, B 225, H 58 Page 18-19	L 300, B 300, H 58 Page 18-19
Luminaire flux Ceiling luminaires (Complete luminaire) 				
Dimensions lamp shades				
Pendant luminaires (Complete luminaire) 				
				
Dimensions	D 150, H 83 Page 24-25	D 192, H 83 Page 24-25	D 257, H 89 Page 24-25	D 319, H 89 Page 24-25

Toledo Flat					
opal 390 - 410 lm	opal 740 - 840 lm	opal 1650 - 1700 lm	opal 2200 - 2300 lm	opal 3600 lm	microprismatic 3500 - 3600 lm
					
D 148, H 2, HE 27/31-53 Page 7-9	D 190, H 3, HE 27/31-53 Page 7-9	D 255, H 3, HE 30/31-56 Page 7-9	D 317, H 3, HE 31-54 Page 7-9	D 495, H 6, HE 40-59 Page 7	D 495, H 6, HE 40-59 Page 7
					
				L 595, B 595, H 6 L 622, B 622, H 6 Page 21	L 595, B 595, H 6 L 622, B 622, H 6 Page 21
					
D 157, H 60 Page 10	D 199, H 60 Page 10	D 265, H 60 Page 10	D 326, H 60 Page 10	D 509, H 60 Page 10	D 509, H 60 Page 10
					
D 150, H 57 Page 15-16	D 192, H 58 Page 15-16	D 257, H 63 Page 15-16	D 319, H 63 Page 15-16	D 500, H 63 Page 15	D 500, H 63 Page 15
Toledo Flatliner					
* 260 - 300 lm	* 530 - 650 lm	* 1250 - 1400 lm	* 1750 - 1950 lm	* Indication of luminaire flux when using the white fabric lampshade.	
					
D 200, H 120/300 Page 30	D 242, H 120/300 Page 30	D 307, H 120/300 Page 30	D 369, H 120/300 Page 31	Overview	
					
L 200, B 200, H 120/300 Page 32	L 242, B 242, H 120/300 Page 32	L 307, B 307, H 120/300 Page 32	L 369, B 369, H 120/300 Page 33	Overview	

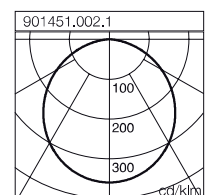


TOLEDO FLAT

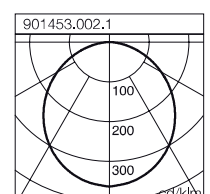
Recessed downlights

- Ultra thin recessed LED downlight
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Shallow recessed depth
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download
- Easy to install thanks to tool-free spring fastening system
- Can be directly covered with thermal insulation material (does not apply for D 495 mm diameter)
- Separate converter box with connecting cable
- DALI converter is compatible with DC, suitable for central battery system
- Surface mounted housing as accessory for all sizes
- Retrofittable decorative cylinders made of chintz fabric as accessory, optional with satin finish polycarbonate diffuser
- Applications:
Corridors, side rooms, hotels, restaurants, conference rooms, private rooms

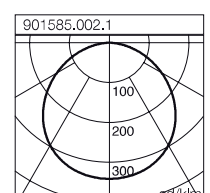
901451.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



901453.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14



901585.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Recessed downlights | Toledo Flat Round

Type of Protection: **IP 40**

Protection Class: II

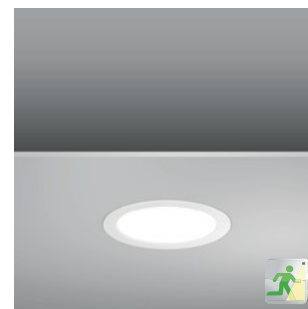
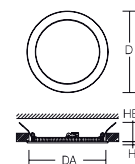
Ceiling Thickness: 1-20 mm

Impact Protection: IK03 (Tunable White), IK06

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC	Price Category 21
Recessed downlights								
Diffuser: plastic, opal								
Ceiling cut out DA 128 mm								
901451.002.Q	D 148, H 2, HE 27-53	LED	830	390 lm	5 W	110° on/off	✓	A+
901451.002.76	D 148, H 2, HE 31-53	LED	830	390 lm	5 W	110° DALI		A+
901451.002.1.Q	D 148, H 2, HE 27-53	LED	840	400 lm	5 W	110° on/off	✓	A+
901451.002.1.76	D 148, H 2, HE 31-53	LED	840	400 lm	5 W	110° DALI		A+
Ceiling cut out DA 170 mm								
901452.002.Q	D 190, H 3, HE 27-53	LED	830	740 lm	7,9 W	110° on/off	✓	A+
901452.002.76	D 190, H 3, HE 31-53	LED	830	740 lm	7,9 W	110° DALI		A+
901452.002.1.Q	D 190, H 3, HE 27-53	LED	840	840 lm	8,7 W	110° on/off	✓	A+
901452.002.1.76	D 190, H 3, HE 31-53	LED	840	840 lm	8,7 W	110° DALI		A+
Ceiling cut out DA 234 mm								
901453.002.Q	D 255, H 3, HE 30-56	LED	830	1650 lm	18 W	110° on/off	✓	A+
901453.002.76.Q	D 255, H 3, HE 31-56	LED	830	1650 lm	18 W	110° DALI		A+
901453.002.1.Q	D 255, H 3, HE 30-56	LED	840	1650 lm	18 W	110° on/off	✓	A+
901453.002.1.76.Q	D 255, H 3, HE 31-56	LED	840	1650 lm	18 W	110° DALI		A+
Tunable White - 2700 K to 6500 K								
901666.002.730	D 255, H 3, HE 55-75	LED	827-865	1700 lm	19 W	110° smart+free		A+
Ceiling cut out DA 288 mm								
901484.002.Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108° on/off	✓	A+
901484.002.76.Q	D 317, H 3, HE 31-54	LED	830	2150 lm	23 W	108° DALI		A+
901484.002.1.Q	D 317, H 3, HE 31-54	LED	840	2250 lm	23 W	108° on/off	✓	A+
901484.002.1.76.Q	D 317, H 3, HE 31-54	LED	840	2250 lm	23 W	108° DALI		A+
Tunable White - 2700 K to 6500 K								
901667.002.730	D 317, H 3, HE 55-75	LED	827-865	2350 lm	24 W	108° smart+free		A+
Ceiling cut out DA 470 mm								
901585.002	D 495, H 6, HE 40-59	LED	830	3550 lm	35 W	113° on/off		A+
901585.002.76	D 495, H 6, HE 40-59	LED	830	3550 lm	35 W	113° DALI		A+
901585.002.1	D 495, H 6, HE 40-59	LED	840	3600 lm	36 W	113° on/off		A+
901585.002.1.76	D 495, H 6, HE 40-59	LED	840	3600 lm	36 W	113° DALI		A+
Tunable White - 2700 K to 6500 K								
901668.002.730	D 495, H 6, HE 55-75	LED	827-865	3050 lm	30 W	113° smart+free		A+
Diffuser: transparent plastic, microprismatic								
Ceiling cut out DA 470 mm								
901586.002	D 495, H 6, HE 40-59	LED	830	3450 lm	35 W	88° on/off		A+
901586.002.76	D 495, H 6, HE 40-59	LED	830	3450 lm	35 W	88° DALI		A+
901586.002.1	D 495, H 6, HE 40-59	LED	840	3550 lm	35 W	88° on/off		A+
901586.002.1.76	D 495, H 6, HE 40-59	LED	840	3550 lm	35 W	88° DALI		A+
Tunable White - 2700 K to 6500 K								
901669.002.730	D 495, H 6, HE 55-75	LED	827-865	3000 lm	30 W	88° smart+free		A+

Comparison LED vs. conventional lamps

LED 5 W ≈

1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈

1 x 18 W TC-D (26 W CB)

LED 18 / 19 W ≈

1 x 32 W TC-D (36 W CB)

LED 23 / 24 W ≈

2 x 26 W TC-D (68 W CB)

LED 30 / 35 / 36 W ≈

3 x 26 W TC-D (102 W CB)

4 x 14 W T16 (68 W EB)

4 x 18 W T26 (104 W CB)



A suitable lamp shade can be found on page 10



D 148

D 190

D 255

D 317

D 495

D 495 microprismatic

Recessed frame

Module 600			Price Category 21	
982182.002	L 595, B 595, H 36	for Toledo Flat Round D 495		
Module 625				
982183.002	L 622, B 622, H 36	for Toledo Flat Round D 495		



Accessories | Surface mounting accessories

Ceiling frame and mounting plate galvanised metal. Cylinder housing sheet steel powder-coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21	
982072.002*	D 150, H 55	for Toledo Flat Round D 148		
982073.002	D 192, H 55	for Toledo Flat Round D 190		
982074.002	D 257, H 60	for Toledo Flat Round D 255		
982119.002	D 319, H 60	for Toledo Flat Round D 317		
982181.002	D 500, H 57	for Toledo Flat Round D 495		



* Not suitable for DALI version
not suitable for tunable white version



Recessed downlights | Toledo Flat Round

Type of Protection: **IP 40**

Protection Class: I

Impact Protection: IK03

Ceiling Thickness: 1-20 mm

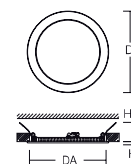
For escape route illumination

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA.

Ceiling installation with spring system. Mounting depth depends on ceiling strength.

Incl. separate LED converter with connecting cable 250 mm.

Available colour: white



Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB



Self-contained safety luminaires

Price Category 23

Diffuser: plastic, opal

Ceiling cut out DA 128 mm, HE 150

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
672220.002	D 148, H 2	830	390 / 310 lm	7,5 W	NiMh 3 h	autotest
672220.002.04	D 148, H 2	830	390 / 310 lm	7,5 W	NiMh 3 h	MultiDigit
672220.002.07	D 148, H 2	830	390 / 310 lm	7,5 W	NiMh 3 h	DALI-Sibe
672220.002.1	D 148, H 2	840	400 / 330 lm	7,5 W	NiMh 3 h	autotest
672220.002.1.04	D 148, H 2	840	400 / 330 lm	7,5 W	NiMh 3 h	MultiDigit
672220.002.1.07	D 148, H 2	840	400 / 330 lm	7,5 W	NiMh 3 h	DALI-Sibe
672221.002	D 148, H 2	830	390 / 140 lm	7,5 W	NiMh 8 h	autotest
672221.002.04	D 148, H 2	830	390 / 140 lm	7,5 W	NiMh 8 h	MultiDigit
672221.002.07	D 148, H 2	830	390 / 140 lm	7,5 W	NiMh 8 h	DALI-Sibe
672221.002.1	D 148, H 2	840	400 / 150 lm	7,5 W	NiMh 8 h	autotest
672221.002.1.04	D 148, H 2	840	400 / 150 lm	7,5 W	NiMh 8 h	MultiDigit
672221.002.1.07	D 148, H 2	840	400 / 150 lm	7,5 W	NiMh 8 h	DALI-Sibe

Ceiling cut out DA 170 mm, HE 120

672222.002	D 190, H 3	830	740 / 370 lm	12 W	NiMh 3 h	autotest
672222.002.04	D 190, H 3	830	740 / 370 lm	12 W	NiMh 3 h	MultiDigit
672222.002.07	D 190, H 3	830	740 / 370 lm	12 W	NiMh 3 h	DALI-Sibe
672222.002.1	D 190, H 3	840	840 / 350 lm	12 W	NiMh 3 h	autotest
672222.002.1.04	D 190, H 3	840	840 / 350 lm	12 W	NiMh 3 h	MultiDigit
672222.002.1.07	D 190, H 3	840	840 / 350 lm	12 W	NiMh 3 h	DALI-Sibe
672223.002	D 190, H 3	830	740 / 160 lm	12 W	NiMh 8 h	autotest
672223.002.04	D 190, H 3	830	740 / 160 lm	12 W	NiMh 8 h	MultiDigit
672223.002.07	D 190, H 3	830	740 / 160 lm	12 W	NiMh 8 h	DALI-Sibe
672223.002.1	D 190, H 3	840	840 / 160 lm	12 W	NiMh 8 h	autotest
672223.002.1.04	D 190, H 3	840	840 / 160 lm	12 W	NiMh 8 h	MultiDigit
672223.002.1.07	D 190, H 3	840	840 / 160 lm	12 W	NiMh 8 h	DALI-Sibe

Ceiling cut out DA 234 mm, HE 100

672224.002	D 255, H 3	830	1650 / 450 lm	20 W	NiMh 3 h	autotest
672224.002.04	D 255, H 3	830	1650 / 450 lm	20 W	NiMh 3 h	MultiDigit
672224.002.07	D 255, H 3	830	1650 / 450 lm	20 W	NiMh 3 h	DALI-Sibe
672224.002.1	D 255, H 3	840	1650 / 460 lm	20 W	NiMh 3 h	autotest
672224.002.1.04	D 255, H 3	840	1650 / 460 lm	20 W	NiMh 3 h	MultiDigit
672224.002.1.07	D 255, H 3	840	1650 / 460 lm	20 W	NiMh 3 h	DALI-Sibe
672225.002	D 255, H 3	830	1650 / 180 lm	20 W	NiMh 8 h	autotest
672225.002.04	D 255, H 3	830	1650 / 180 lm	20 W	NiMh 8 h	MultiDigit
672225.002.07	D 255, H 3	830	1650 / 180 lm	20 W	NiMh 8 h	DALI-Sibe
672225.002.1	D 255, H 3	840	1650 / 180 lm	20 W	NiMh 8 h	autotest
672225.002.1.04	D 255, H 3	840	1650 / 180 lm	20 W	NiMh 8 h	MultiDigit
672225.002.1.07	D 255, H 3	840	1650 / 180 lm	20 W	NiMh 8 h	DALI-Sibe

Ceiling cut out DA 288 mm, HE 90

672226.002	D 317, H 3	830	2150 / 430 lm	26 W	NiMh 3 h	autotest
672226.002.04	D 317, H 3	830	2150 / 430 lm	26 W	NiMh 3 h	MultiDigit
672226.002.07	D 317, H 3	830	2150 / 430 lm	26 W	NiMh 3 h	DALI-Sibe
672226.002.1	D 317, H 3	840	2250 / 440 lm	26 W	NiMh 3 h	autotest
672226.002.1.04	D 317, H 3	840	2250 / 440 lm	26 W	NiMh 3 h	MultiDigit
672226.002.1.07	D 317, H 3	840	2250 / 440 lm	26 W	NiMh 3 h	DALI-Sibe
672227.002	D 317, H 3	830	2150 / 180 lm	26 W	NiMh 8 h	autotest
672227.002.04	D 317, H 3	830	2150 / 180 lm	26 W	NiMh 8 h	MultiDigit
672227.002.07	D 317, H 3	830	2150 / 180 lm	26 W	NiMh 8 h	DALI-Sibe
672227.002.1	D 317, H 3	840	2250 / 180 lm	26 W	NiMh 8 h	autotest
672227.002.1.04	D 317, H 3	840	2250 / 180 lm	26 W	NiMh 8 h	MultiDigit
672227.002.1.07	D 317, H 3	840	2250 / 180 lm	26 W	NiMh 8 h	DALI-Sibe

Info: Series with 8h rated operation time

Self-contained safety luminaires in rented accommodations, homes and multi-storey buildings require a rated operating time of 8 h according to DIN V VDE V 0108-100

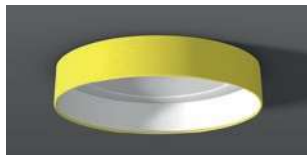
8h

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							Price Category 23
Diffuser: plastic, opal							
Ceiling cut out DA 470 mm, HE 70							
672384.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672384.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672384.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672384.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672384.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672384.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672385.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	8 h	autotest
672385.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	8 h	MultiDigit
672385.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	8 h	DALI-Sibe
672385.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	8 h	autotest
672385.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	8 h	MultiDigit
672385.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	8 h	DALI-Sibe
Diffuser: transparent plastic, microprismatic							
Ceiling cut out DA 470 mm, HE 70							
672382.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672382.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672382.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672382.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672382.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672382.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672383.002	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	8 h	autotest
672383.002.04	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	8 h	MultiDigit
672383.002.07	D 495, H 6	830	3500 / 430 lm	38 W	NiMh	8 h	DALI-Sibe
672383.002.1	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	8 h	autotest
672383.002.1.04	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	8 h	MultiDigit
672383.002.1.07	D 495, H 6	840	3600 / 440 lm	38 W	NiMh	8 h	DALI-Sibe
Luminaires for central battery system							Price Category 24
Diffuser: plastic, opal							
Ceiling cut out DA 128 mm, HE 150							
672228.002	D 148, H 2	830	390 / 390 lm	5 W	without battery		standard
672228.002.1	D 148, H 2	840	400 / 400 lm	5 W	without battery		standard
672228.002.89	D 148, H 2	830	390 / 390 lm	6 W	without battery		AC-Control
672228.002.1.89	D 148, H 2	840	400 / 400 lm	6 W	without battery		AC-Control
Ceiling cut out DA 170 mm, HE 120							
672229.002	D 190, H 3	830	740 / 740 lm	9 W	without battery		standard
672229.002.1	D 190, H 3	840	840 / 840 lm	9 W	without battery		standard
672229.002.89	D 190, H 3	830	740 / 740 lm	10 W	without battery		AC-Control
672229.002.1.89	D 190, H 3	840	840 / 840 lm	10 W	without battery		AC-Control
Ceiling cut out DA 234 mm, HE 100							
672230.002	D 255, H 3	830	1650 / 1650 lm	18 W	without battery		standard
672230.002.1	D 255, H 3	840	1650 / 1650 lm	18 W	without battery		standard
672230.002.89	D 255, H 3	830	1650 / 1650 lm	19 W	without battery		AC-Control
672230.002.1.89	D 255, H 3	840	1650 / 1650 lm	19 W	without battery		AC-Control
Ceiling cut out DA 288 mm, HE 90							
672231.002	D 317, H 3	830	2150 / 2150 lm	23 W	without battery		standard
672231.002.1	D 317, H 3	840	2250 / 2250 lm	23 W	without battery		standard
672231.002.89	D 317, H 3	830	2150 / 2150 lm	24 W	without battery		AC-Control
672231.002.1.89	D 317, H 3	840	2250 / 2250 lm	24 W	without battery		AC-Control
Ceiling cut out DA 470 mm, HE 70							
672380.002	D 495, H 6	830	3550 / 3550 lm	35 W	without battery		standard
672380.002.1	D 495, H 6	840	3600 / 3600 lm	35 W	without battery		standard
672380.002.89	D 495, H 6	830	3550 / 3550 lm	36 W	without battery		AC-Control
672380.002.1.89	D 495, H 6	840	3600 / 3600 lm	36 W	without battery		AC-Control
Diffuser: transparent plastic, microprismatic							
Ceiling cut out DA 470 mm, HE 70							
672379.002	D 495, H 6	830	3450 / 3450 lm	35 W	without battery		standard
672379.002.1	D 495, H 6	840	3550 / 3550 lm	35 W	without battery		standard
672379.002.89	D 495, H 6	830	3450 / 3450 lm	36 W	without battery		AC-Control
672379.002.1.89	D 495, H 6	840	3550 / 3550 lm	36 W	without battery		AC-Control





with diffuser



without diffuser

Accessories | Chintz decorative element Toledo Flat Round

Standard colour covering surface: 66,8003,01 white

Other colours (see page 31) available at the same price.

Please include the colour code in your order.

Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: white



Reference number Dimensions

Chintz lampshades

Price Category 21

982319.002	D 153, H 60	Chintz decorative cylinder for Toledo Flat Round D 148
982320.002	D 195, H 60	Chintz decorative cylinder for Toledo Flat Round D 190
982321.002	D 260, H 60	Chintz decorative cylinder for Toledo Flat Round D 255
982322.002	D 322, H 60	Chintz decorative cylinder for Toledo Flat Round D 317
982323.002	D 500, H 60	Chintz decorative cylinder for Toledo Flat Round D 495

Cannot be fitted with surface mount housing



Satin finish polycarbonate diffuser (optional)

Price Category 21

Can be installed on the decorative element without any tools

982324.002	D 151, H 4	Accessories for chintz decorative cylinder D 153
982325.002	D 193, H 4	Accessories for chintz decorative cylinder D 195
982326.002	D 258, H 4	Accessories for chintz decorative cylinder D 260
982327.002	D 320, H 4	Accessories for chintz decorative cylinder D 322
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500

Diffusers with Chintz fabric in all colours on request.

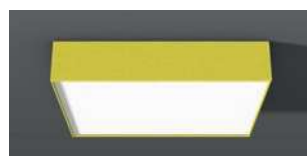


Chintz lampshades

Price Category 21

Colour chart

W06630 Chintz lampshades are available in more than 70 different colours



Accessories | Chintz decorative element Toledo Flat Square

Standard colour covering surface: 66,8003,01 white

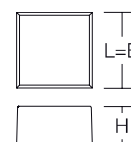
Other colours (see page 335) available at the same price.

Please include the colour code in your order.

Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: white



Reference number Dimensions

Chintz lampshades

Price Category 21

982501.002	L 115, B 115, H 60	Chintz decorative element for Toledo Flat Square 110 x 110
982502.002	L 177, B 177, H 60	Chintz decorative element for Toledo Flat Square 172 x 172
982503.002	L 230, B 230, H 60	Chintz decorative element for Toledo Flat Square 225 x 225
982504.002	L 305, B 305, H 60	Chintz decorative element for Toledo Flat Square 300 x 300

Cannot be fitted with surface mount housing



Satin finish polycarbonate diffuser (optional)

Price Category 21

Can be installed on the decorative element without any tools

982505.002	L 113, B 113, H 4	Accessories for chintz decor cube 115 x 115
982506.002	L 175, B 175, H 4	Accessories for chintz decor cube 177 x 177
982507.002	L 228, B 228, H 4	Accessories for chintz decor cube 230 x 230
982508.002	L 303, B 303, H 4	Accessories for chintz decor cube 305 x 305

Diffusers with Chintz fabric in all colours on request.



Chintz lampshades

Price Category 21

Colour chart

W06630 Chintz lampshades are available in more than 70 different colours

Recessed downlights | Toledo Flat Square

Type of Protection: **IP 40**

Protection Class: II

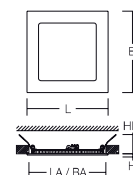
Ceiling Thickness: 1-20 mm

Impact Protection: IK03 (Tunable White), IK06

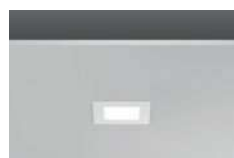
Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA. Ceiling installation with spring system. Mounting depth depends on ceiling strength. Incl. separate LED converter with connecting cable 250 mm.

Available colour: white

Versions with smart+free Bluetooth® control for wireless network and operation using Android / iOS devices, free app available for download.



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Recessed downlights							Price Category 21
Diffuser: plastic, opal							
Ceiling cut out LA 96 x BA 96 mm							
901485.002	L 110, B 110, H 3, HE 27-56	LED	830	370 lm	4,7 W	107° on/off	✓ A+
901485.002.76	L 110, B 110, H 3, HE 31-56	LED	830	370 lm	4,7 W	107° DALI	A+
901485.002.1	L 110, B 110, H 3, HE 27-56	LED	840	380 lm	4,7 W	107° on/off	✓ A+
901485.002.1.76	L 110, B 110, H 3, HE 31-56	LED	840	380 lm	4,7 W	107° DALI	A+
Ceiling cut out LA 156 x BA 156 mm							
901486.002	L 172, B 172, H 3, HE 28-56	LED	830	730 lm	8 W	108° on/off	✓ A+
901486.002.76	L 172, B 172, H 3, HE 31-56	LED	830	730 lm	8 W	108° DALI	A+
901486.002.1	L 172, B 172, H 3, HE 28-56	LED	840	750 lm	8 W	108° on/off	✓ A+
901486.002.1.76	L 172, B 172, H 3, HE 31-56	LED	840	750 lm	8 W	108° DALI	A+
Ceiling cut out LA 208 x BA 208 mm							
901487.002 .Q	L 225, B 225, H 3, HE 29-56	LED	830	1600 lm	18 W	108° on/off	✓ A+
901487.002.76	L 225, B 225, H 3, HE 31-56	LED	830	1600 lm	18 W	108° DALI	A+
901487.002.1 .Q	L 225, B 225, H 3, HE 29-56	LED	840	1650 lm	18 W	108° on/off	✓ A+
901487.002.1.76	L 225, B 225, H 3, HE 31-56	LED	840	1650 lm	18 W	108° DALI	A+
Tunable White - 2700 K to 6500 K							
901670.002.730	L 225, B 225, H 3, HE 55-75	LED	827-865	1600 lm	19 W	108° smart+free	A+
Ceiling cut out LA 280 x BA 280 mm							
901488.002 .Q	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108° on/off	✓ A+
901488.002.76	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108° DALI	A+
901488.002.1 .Q	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108° on/off	✓ A+
901488.002.1.76	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108° DALI	A+
Tunable White - 2700 K to 6500 K							
901671.002.730	L 300, B 300, H 3, HE 55-75	LED	827-865	1750 lm	23 W	108° smart+free	A+



L x B 110



L x B 172



L x B 225



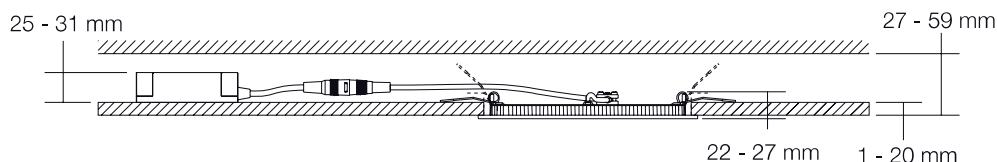
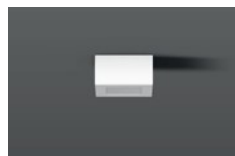
L x B 300

Accessories | Surface mounting accessories

Surface mounted housing: sheet steel, powder coated. Downlight can be locked without tools.

Surface mounted housing			Price Category 21
982138.002*	L 110, B 110, H 55	for Toledo Flat Square 110 x 110	
982139.002	L 172, B 172, H 55	for Toledo Flat Square 172 x 172	
982140.002	L 225, B 225, H 55	for Toledo Flat Square 225 x 225	
982141.002	L 300, B 300, H 55	for Toledo Flat Square 300 x 300	

* Not suitable for DALI version
not suitable for tunable white version



Comparison LED vs. conventional lamps

LED 4,7 W ≈

1 x 10 W TC-D (16 W CB)

LED 8 W ≈

1 x 18 W TC-D (26 W CB)

LED 18 / 9 W ≈

1 x 32 W TC-TEL (36 W EB)

LED 22 / 23 W ≈

2 x 26 W TC-D (68 W CB)



A suitable lamp shade
can be found on page 10



Recessed downlights | Toledo Flat Square

Type of Protection: **IP 40**

Protection Class: **I**

Impact Protection: **IK03**

Ceiling Thickness: **1-20 mm**

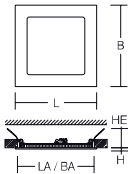
For escape route illumination

Housing: die-cast aluminium. Lightguide and diffuser made of non-yellowing PMMA.

Ceiling installation with spring system. Mounting depth depends on ceiling strength.

Incl. separate LED converter with connecting cable 250 mm.

Available colour: white



Self-contained safety luminaires

Voltage type: **AC**

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: **EB**

Luminaires for central battery system

Voltage type: **AC/DC**

Ballast: **EB**



Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Self-contained safety luminaires						
Ceiling cut out LA 96 x BA 96 mm, HE 170 mm						
672233.002	L 110, B 110, H 3	830	370 / 280 lm	7,2 W	NiMH	3 h
672233.002.04	L 110, B 110, H 3	830	370 / 280 lm	7,2 W	NiMH	3 h
672233.002.07	L 110, B 110, H 3	830	370 / 280 lm	7,2 W	NiMH	3 h
672233.002.1	L 110, B 110, H 3	840	380 / 330 lm	7,2 W	NiMH	3 h
672233.002.1.04	L 110, B 110, H 3	840	380 / 330 lm	7,2 W	NiMH	3 h
672233.002.1.07	L 110, B 110, H 3	840	380 / 330 lm	7,2 W	NiMH	3 h
672234.002	L 110, B 110, H 3	830	370 / 120 lm	7,2 W	NiMH	8 h
672234.002.04	L 110, B 110, H 3	830	370 / 120 lm	7,2 W	NiMH	8 h
672234.002.07	L 110, B 110, H 3	830	370 / 120 lm	7,2 W	NiMH	8 h
672234.002.1	L 110, B 110, H 3	840	380 / 130 lm	7,2 W	NiMH	8 h
672234.002.1.04	L 110, B 110, H 3	840	380 / 130 lm	7,2 W	NiMH	8 h
672234.002.1.07	L 110, B 110, H 3	840	380 / 130 lm	7,2 W	NiMH	8 h
Ceiling cut out LA 156 x BA 156 mm, HE 110 mm						
672235.002	L 172, B 172, H 3	830	730 / 350 lm	11 W	NiMH	3 h
672235.002.04	L 172, B 172, H 3	830	730 / 350 lm	11 W	NiMH	3 h
672235.002.07	L 172, B 172, H 3	830	730 / 350 lm	11 W	NiMH	3 h
672235.002.1	L 172, B 172, H 3	840	750 / 340 lm	11 W	NiMH	3 h
672235.002.1.04	L 172, B 172, H 3	840	750 / 340 lm	11 W	NiMH	3 h
672235.002.1.07	L 172, B 172, H 3	840	750 / 340 lm	11 W	NiMH	3 h
672236.002	L 172, B 172, H 3	830	730 / 160 lm	11 W	NiMH	8 h
672236.002.04	L 172, B 172, H 3	830	730 / 160 lm	11 W	NiMH	8 h
672236.002.07	L 172, B 172, H 3	830	730 / 160 lm	11 W	NiMH	8 h
672236.002.1	L 172, B 172, H 3	840	730 / 150 lm	11 W	NiMH	8 h
672236.002.1.04	L 172, B 172, H 3	840	730 / 150 lm	11 W	NiMH	8 h
672236.002.1.07	L 172, B 172, H 3	840	730 / 150 lm	11 W	NiMH	8 h
Ceiling cut out LA 208 x BA 208 mm, HE 100 mm						
672237.002	L 225, B 225, H 3	830	1600 / 440 lm	20 W	NiMH	3 h
672237.002.04	L 225, B 225, H 3	830	1600 / 440 lm	20 W	NiMH	3 h
672237.002.07	L 225, B 225, H 3	830	1600 / 440 lm	20 W	NiMH	3 h
672237.002.1	L 225, B 225, H 3	840	1650 / 450 lm	20 W	NiMH	3 h
672237.002.1.04	L 225, B 225, H 3	840	1650 / 450 lm	20 W	NiMH	3 h
672237.002.1.07	L 225, B 225, H 3	840	1650 / 450 lm	20 W	NiMH	3 h
672238.002	L 225, B 225, H 3	830	1600 / 170 lm	20 W	NiMH	8 h
672238.002.04	L 225, B 225, H 3	830	1600 / 170 lm	20 W	NiMH	8 h
672238.002.07	L 225, B 225, H 3	830	1600 / 170 lm	20 W	NiMH	8 h
672238.002.1	L 225, B 225, H 3	840	1650 / 180 lm	20 W	NiMH	8 h
672238.002.1.04	L 225, B 225, H 3	840	1650 / 180 lm	20 W	NiMH	8 h
672238.002.1.07	L 225, B 225, H 3	840	1650 / 180 lm	20 W	NiMH	8 h
Ceiling cut out LA 280 x BA 280 mm, HE 90 mm						
672239.002	L 300, B 300, H 3	830	2050 / 420 lm	25 W	NiMH	3 h
672239.002.04	L 300, B 300, H 3	830	2050 / 420 lm	25 W	NiMH	3 h
672239.002.07	L 300, B 300, H 3	830	2050 / 420 lm	25 W	NiMH	3 h
672239.002.1	L 300, B 300, H 3	840	2200 / 430 lm	25 W	NiMH	3 h
672239.002.1.04	L 300, B 300, H 3	840	2200 / 430 lm	25 W	NiMH	3 h
672239.002.1.07	L 300, B 300, H 3	840	2200 / 430 lm	25 W	NiMH	3 h
672240.002	L 300, B 300, H 3	830	2050 / 170 lm	25 W	NiMH	8 h
672240.002.04	L 300, B 300, H 3	830	2050 / 170 lm	25 W	NiMH	8 h
672240.002.07	L 300, B 300, H 3	830	2050 / 170 lm	25 W	NiMH	8 h
672240.002.1	L 300, B 300, H 3	840	2200 / 180 lm	25 W	NiMH	8 h
672240.002.1.04	L 300, B 300, H 3	840	2200 / 180 lm	25 W	NiMH	8 h
672240.002.1.07	L 300, B 300, H 3	840	2200 / 180 lm	25 W	NiMH	8 h

Info: Series with 8h rated operation time

Self-contained safety luminaires in rented accommodations, homes and multi-storey buildings require a rated operating time of 8 h according to DIN V VDE V 0108-100

8h



Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						Price Category 24
Ceiling cut out LA 96 x BA 96 mm, HE 170 mm						
672241.002	L 110, B 110, H 3	830	370 / 370 lm	4,7 W	without battery	standard
672241.002.1	L 110, B 110, H 3	840	380 / 380 lm	4,7 W	without battery	standard
672241.002.89	L 110, B 110, H 3	830	370 / 370 lm	5,7 W	without battery	AC-Control
672241.002.1.89	L 110, B 110, H 3	840	380 / 380 lm	5,7 W	without battery	AC-Control
Ceiling cut out LA 156 x BA 156 mm, HE 110 mm						
672242.002	L 172, B 172, H 3	830	730 / 730 lm	8 W	without battery	standard
672242.002.1	L 172, B 172, H 3	840	750 / 750 lm	8 W	without battery	standard
672242.002.89	L 172, B 172, H 3	830	730 / 730 lm	9 W	without battery	AC-Control
672242.002.1.89	L 172, B 172, H 3	840	750 / 750 lm	9 W	without battery	AC-Control
Ceiling cut out LA 208 x BA 208 mm, HE 100 mm						
672243.002	L 225, B 225, H 3	830	1600 / 1600 lm	18 W	without battery	standard
672243.002.1	L 225, B 225, H 3	840	1650 / 1650 lm	18 W	without battery	standard
672243.002.89	L 225, B 225, H 3	830	1600 / 1600 lm	19 W	without battery	AC-Control
672243.002.1.89	L 225, B 225, H 3	840	1650 / 1650 lm	19 W	without battery	AC-Control
Ceiling cut out LA 280 x BA 280 mm, HE 90 mm						
672244.002	L 300, B 300, H 3	830	2050 / 2050 lm	22 W	without battery	standard
672244.002.1	L 300, B 300, H 3	840	2200 / 2200 lm	22 W	without battery	standard
672244.002.89	L 300, B 300, H 3	830	2050 / 2050 lm	23 W	without battery	AC-Control
672244.002.1.89	L 300, B 300, H 3	840	2200 / 2200 lm	23 W	without battery	AC-Control



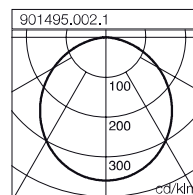


TOLEDO FLAT

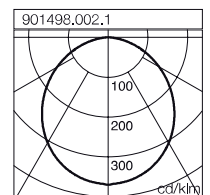
Surface mounted downlights

- Extra flat LED surface-mounted downlight in five sizes round and four sizes square
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Suitable for ceiling and wall mounting
- Very low installation height
- LED rated life 50,000 h (L70, B10)
- Colour rendering index $Ra > 80$
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Applications:
Corridors, side rooms, hotels, restaurants, conference rooms, private rooms

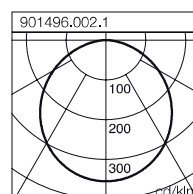
901495.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



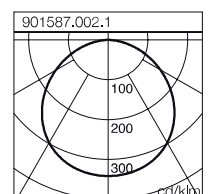
901498.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



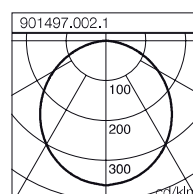
901496.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
8	12	16
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
12	17	29



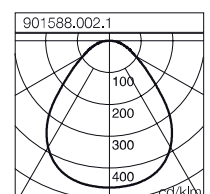
901587.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



901497.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
4	6	8
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
6	9	14



901588.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



Surface mounted downlights | Toledo Flat Round

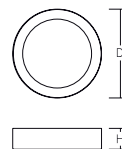
Type of Protection: **IP 40**

Protection Class: II

Impact Protection: IK06

Cylinder housing sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Lightguide and diffuser made of non-yellowing PMMA, opal matt or prismatic.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dim-able	EEC
Surface mounted downlights								
Diffuser: plastic, opal								
Diameter D 150 mm								
901495.002	D 150, H 57	LED	830	390 lm	5 W	110° 25,9	on/off	✓ A+
901495.002.1	D 150, H 57	LED	840	400 lm	5 W	110° 26,0	on/off	✓ A+
Diameter D 192 mm								
901496.002	D 192, H 58	LED	830	740 lm	7,9 W	110° 25,7	on/off	✓ A+
901496.002.76	D 192, H 58	LED	830	740 lm	7,9 W	110° 25,7	DALI	A+
901496.002.1	D 192, H 58	LED	840	840 lm	8,7 W	110° 26,2	on/off	✓ A+
901496.002.1.76	D 192, H 58	LED	840	840 lm	8,7 W	110° 26,2	DALI	A+
Diameter D 257 mm								
901497.002	D 257, H 63	LED	830	1650 lm	18 W	110° 26,0	on/off	✓ A+
901497.002.76	D 257, H 63	LED	830	1650 lm	18 W	110° 26,0	DALI	A+
901497.002.1	D 257, H 63	LED	840	1650 lm	18 W	110° 26,1	on/off	✓ A+
901497.002.1.76	D 257, H 63	LED	840	1650 lm	18 W	110° 26,1	DALI	A+
Diameter D 319 mm								
901498.002	D 319, H 63	LED	830	2150 lm	23 W	108° 25,1	on/off	✓ A+
901498.002.76	D 319, H 63	LED	830	2150 lm	23 W	108° 25,1	DALI	A+
901498.002.1	D 319, H 63	LED	840	2250 lm	23 W	108° 25,2	on/off	✓ A+
901498.002.1.76	D 319, H 63	LED	840	2250 lm	23 W	108° 25,2	DALI	A+
Diameter D 500 mm								
901587.002	D 500, H 63	LED	830	3550 lm	35 W	113° 23,4	on/off	✓ A+
901587.002.76	D 500, H 63	LED	830	3550 lm	35 W	113° 23,4	DALI	A+
901587.002.1	D 500, H 63	LED	840	3600 lm	36 W	113° 23,4	on/off	✓ A+
901587.002.1.76	D 500, H 63	LED	840	3600 lm	36 W	113° 23,4	DALI	A+
Diffuser: transparent plastic, microprismatic								
Diameter D 500 mm								
901588.002	D 500, H 63	LED	830	3450 lm	35 W	88° 20,3	on/off	✓ A+
901588.002.76	D 500, H 63	LED	830	3450 lm	35 W	88° 20,3	DALI	A+
901588.002.1	D 500, H 63	LED	840	3550 lm	35 W	88° 20,6	on/off	✓ A+
901588.002.1.76	D 500, H 63	LED	840	3550 lm	35 W	88° 20,6	DALI	A+

Price Category 21

Comparison LED vs. conventional lamps

LED 5 W ≈

1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈

1 x 18 W TC-D (26 W CB)

LED 18 W ≈

2 x 18 W TC-D (52 W CB)

LED 23 W ≈

2 x 26 W TC-D (68 W CB)

LED 35 / 36 W ≈

3 x 26 W TC-D (102 W CB)

4 x 18 W T26 (104 W CB)

4 x 14 W T16 (68 W EB)



D 150



D 192



D 257



D 319



D 500



D 500 prismatic

Accessories | Supporting ring for fabric lamp shades

Retrofittable holder for a tool-free mounting of a lamp shade.

Ring metal powder coated, M4 Threaded. Knurled nuts plastic.

Mounting ring for fabric lamp shades

Price Category 21

982386.002	D 162, H 10	for surface and pendant Toledo Flat Round D 150 for mounting the lamp shade Toledo Flatliner 200
982387.002	D 204, H 10	for surface and pendant Toledo Flat Round D 192 for mounting the lamp shade Toledo Flatliner 242
982388.002	D 270, H 10	for surface and pendant Toledo Flat Round D 257 for mounting the lamp shade Toledo Flatliner 307
982389.002	D 331, H 10	for surface and pendant Toledo Flat Round D 319 for mounting the lamp shade Toledo Flatliner 369

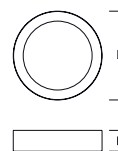


A suitable lamp shade can be found on page 30-31

**Surface mounted downlights | Toledo Flat Round**Type of Protection: **IP 40**Protection Class: **I**Impact Protection: **IK06****For escape route illumination**

Cylinder housing sheet steel, powder coated, Bezel ring: die-cast aluminium, powder coated, Lightguide and diffuser made of non-yellowing PMMA.

Available colour: white

**Self-contained safety luminaires**

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

**Self-contained safety luminaires****Price Category 23****Diffuser: plastic, opal****Diameter D 257 mm**

672271.002	D 257, H 63	830	1650 / 450 lm	20 W	NiMh	3 h	autotest
672271.002.04	D 257, H 63	830	1650 / 450 lm	20 W	NiMh	3 h	MultiDigit
672271.002.07	D 257, H 63	830	1650 / 450 lm	20 W	NiMh	3 h	DALI-Sibe
672271.002.1	D 257, H 63	840	1650 / 460 lm	20 W	NiMh	3 h	autotest
672271.002.1.04	D 257, H 63	840	1650 / 460 lm	20 W	NiMh	3 h	MultiDigit
672271.002.1.07	D 257, H 63	840	1650 / 460 lm	20 W	NiMh	3 h	DALI-Sibe
672272.002	D 257, H 63	830	1650 / 180 lm	20 W	NiMh	8 h	autotest
672272.002.04	D 257, H 63	830	1650 / 180 lm	20 W	NiMh	8 h	MultiDigit
672272.002.07	D 257, H 63	830	1650 / 180 lm	20 W	NiMh	8 h	DALI-Sibe
672272.002.1	D 257, H 63	840	1650 / 180 lm	20 W	NiMh	8 h	autotest
672272.002.1.04	D 257, H 63	840	1650 / 180 lm	20 W	NiMh	8 h	MultiDigit
672272.002.1.07	D 257, H 63	840	1650 / 180 lm	20 W	NiMh	8 h	DALI-Sibe

Diameter D 319 mm

672273.002	D 319, H 63	830	2150 / 430 lm	26 W	NiMh	3 h	autotest
672273.002.04	D 319, H 63	830	2150 / 430 lm	26 W	NiMh	3 h	MultiDigit
672273.002.07	D 319, H 63	830	2150 / 430 lm	26 W	NiMh	3 h	DALI-Sibe
672273.002.1	D 319, H 63	840	2250 / 440 lm	26 W	NiMh	3 h	autotest
672273.002.1.04	D 319, H 63	840	2250 / 440 lm	26 W	NiMh	3 h	MultiDigit
672273.002.1.07	D 319, H 63	840	2250 / 440 lm	26 W	NiMh	3 h	DALI-Sibe
672274.002	D 319, H 63	830	2150 / 180 lm	26 W	NiMh	8 h	autotest
672274.002.04	D 319, H 63	830	2150 / 180 lm	26 W	NiMh	8 h	MultiDigit
672274.002.07	D 319, H 63	830	2150 / 180 lm	26 W	NiMh	8 h	DALI-Sibe
672274.002.1	D 319, H 63	840	2250 / 180 lm	26 W	NiMh	8 h	autotest
672274.002.1.04	D 319, H 63	840	2250 / 180 lm	26 W	NiMh	8 h	MultiDigit
672274.002.1.07	D 319, H 63	840	2250 / 180 lm	26 W	NiMh	8 h	DALI-Sibe

Diameter D 500 mm

672350.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672350.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672350.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672350.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672350.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672350.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672351.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	8 h	autotest
672351.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	8 h	MultiDigit
672351.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	8 h	DALI-Sibe
672351.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	8 h	autotest
672351.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	8 h	MultiDigit
672351.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	8 h	DALI-Sibe

Diffuser: transparent plastic, micropismatic**Diameter D 500 mm**

672352.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	autotest
672352.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	MultiDigit
672352.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	3 h	DALI-Sibe
672352.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	autotest
672352.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	MultiDigit
672352.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	3 h	DALI-Sibe
672353.002	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	8 h	autotest
672353.002.04	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	8 h	MultiDigit
672353.002.07	D 500, H 63	830	3500 / 430 lm	38 W	NiMh	8 h	DALI-Sibe
672353.002.1	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	8 h	autotest
672353.002.1.04	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	8 h	MultiDigit
672353.002.1.07	D 500, H 63	840	3600 / 440 lm	38 W	NiMh	8 h	DALI-Sibe

Info: Series with 8h rated operation time

Self-contained safety luminaires in rented accommodations, homes and multi-storey buildings require a rated operating time of 8 h according to DIN V VDE V 0108-100

8h



Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery	Monitoring
Luminaires for central battery system						Price Category 24
Diffuser: plastic, opal						
Diameter D 150 mm						
672290.002	D 150, H 57	830	390 / 390 lm	5 W	without battery	standard
672290.002.1	D 150, H 57	840	400 / 400 lm	5 W	without battery	standard
672290.002.89	D 150, H 57	830	390 / 390 lm	6 W	without battery	AC-Control
672290.002.1.89	D 150, H 57	840	400 / 400 lm	6 W	without battery	AC-Control
Diameter D 192 mm						
672279.002	D 192, H 58	830	740 / 740 lm	9 W	without battery	standard
672279.002.1	D 192, H 58	840	840 / 840 lm	9 W	without battery	standard
672279.002.89	D 192, H 58	830	740 / 740 lm	10 W	without battery	AC-Control
672279.002.1.89	D 192, H 58	840	840 / 840 lm	10 W	without battery	AC-Control
Diameter D 257 mm						
672280.002	D 257, H 63	830	1650 / 1650 lm	18 W	without battery	standard
672280.002.1	D 257, H 63	840	1650 / 1650 lm	18 W	without battery	standard
672280.002.89	D 257, H 63	830	1650 / 1650 lm	19 W	without battery	AC-Control
672280.002.1.89	D 257, H 63	840	1650 / 1650 lm	19 W	without battery	AC-Control
Diameter D 319 mm						
672281.002	D 319, H 63	830	2150 / 2150 lm	23 W	without battery	standard
672281.002.1	D 319, H 63	840	2250 / 2250 lm	23 W	without battery	standard
672281.002.89	D 319, H 63	830	2150 / 2150 lm	24 W	without battery	AC-Control
672281.002.1.89	D 319, H 63	840	2250 / 2250 lm	24 W	without battery	AC-Control
Diameter D 500 mm						
672348.002	D 500, H 63	830	3500 / 3500 lm	35 W	without battery	standard
672348.002.1	D 500, H 63	840	3600 / 3600 lm	35 W	without battery	standard
672348.002.89	D 500, H 63	830	3500 / 3500 lm	36 W	without battery	AC-Control
672348.002.1.89	D 500, H 63	840	3600 / 3600 lm	36 W	without battery	AC-Control
Diffuser: transparent plastic, microprismatic						
Diameter D 500 mm						
672349.002	D 500, H 63	830	3500 / 3500 lm	35 W	without battery	standard
672349.002.1	D 500, H 63	840	3600 / 3600 lm	35 W	without battery	standard
672349.002.89	D 500, H 63	830	3500 / 3500 lm	36 W	without battery	AC-Control
672349.002.1.89	D 500, H 63	840	3600 / 3600 lm	36 W	without battery	AC-Control





**Comparison
LED vs. conventional lamps**

LED 4,7 W ≈
1 x 10 W TC-D (16 W CB)

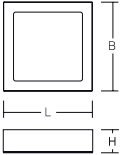
LED 8 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

LED 22 W ≈
2 x 26 W TC-D (68 W CB)

Surface mounted downlights | Toledo Flat Square

Type of Protection: **IP 40**
Protection Class: II
Impact Protection: **IK06**
Surface mounted housing: sheet steel, powder coated. Square cover plate: die cast aluminium, powder coated. Light guide and diffuser cover made of non-yellowing PMMA, opal matt.
Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		UGR	dimmable		EEC
Surface mounted downlights										Price Category 21
Length L 110 mm x Width B 110 mm										
901551.002	L 110, B 110, H 58	LED	830	370 lm	4,7 W	107°	27,8	on/off	✓	A+
901551.002.1	L 110, B 110, H 58	LED	840	380 lm	4,7 W	107°	27,9	on/off	✓	A+
Length L 172 mm x Width B 172 mm										
901552.002	L 172, B 172, H 58	LED	830	730 lm	8 W	108°	25,3	on/off	✓	A+
901552.002.76	L 172, B 172, H 58	LED	830	730 lm	8 W	108°	25,3	DALI		A+
901552.002.1	L 172, B 172, H 58	LED	840	750 lm	8 W	108°	25,3	on/off	✓	A+
901552.002.1.76	L 172, B 172, H 58	LED	840	750 lm	8 W	108°	25,3	DALI		A+
Length L 225 mm x Width B 225 mm										
901553.002	L 225, B 225, H 58	LED	830	1600 lm	18 W	108°	25,6	on/off	✓	A+
901553.002.76	L 225, B 225, H 58	LED	830	1600 lm	18 W	108°	25,6	DALI		A+
901553.002.1	L 225, B 225, H 58	LED	840	1650 lm	18 W	108°	25,6	on/off	✓	A+
901553.002.1.76	L 225, B 225, H 58	LED	840	1650 lm	18 W	108°	25,6	DALI		A+
Length L 300 mm x Width B 300 mm										
901554.002	L 300, B 300, H 58	LED	830	2050 lm	22 W	108°	23,9	on/off	✓	A+
901554.002.76	L 300, B 300, H 58	LED	830	2050 lm	22 W	108°	23,9	DALI		A+
901554.002.1	L 300, B 300, H 58	LED	840	2200 lm	22 W	108°	24,2	on/off	✓	A+
901554.002.1.76	L 300, B 300, H 58	LED	840	2200 lm	22 W	108°	24,2	DALI		A+



L x B 110



L x B 172



L x B 225



L x B 300





Surface mounted downlights | Toledo Flat Square

Type of Protection: **IP 40**

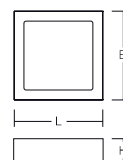
Protection Class: I

Impact Protection: IK06

For escape route illumination

Cylinder housing sheet steel, powder coated, Square cover plate: die cast aluminium, powder coated. Light guide and plastic cover made of non-yellowing PMMA, opal matt.

Available colour: white



Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB

Reference number	Dimensions	Light colour	Luminaire flux Mains/Emergency	System power	Battery		Monitoring
Self-contained safety luminaires							
Price Category 23							
Length L 225 mm x Width B 225 mm							
672275.002	L 225, B 225, H 58	830	1600 / 440 lm	20 W	NiMh	3 h	autotest
672275.002.04	L 225, B 225, H 58	830	1600 / 440 lm	20 W	NiMh	3 h	MultiDigit
672275.002.07	L 225, B 225, H 58	830	1600 / 440 lm	20 W	NiMh	3 h	DALI-Sibe
672275.002.1	L 225, B 225, H 58	840	1650 / 450 lm	20 W	NiMh	3 h	autotest
672275.002.1.04	L 225, B 225, H 58	840	1650 / 450 lm	20 W	NiMh	3 h	MultiDigit
672275.002.1.07	L 225, B 225, H 58	840	1650 / 450 lm	20 W	NiMh	3 h	DALI-Sibe
672276.002	L 225, B 225, H 58	830	1600 / 170 lm	20 W	NiMh	8 h	autotest
672276.002.04	L 225, B 225, H 58	830	1600 / 170 lm	20 W	NiMh	8 h	MultiDigit
672276.002.07	L 225, B 225, H 58	830	1600 / 170 lm	20 W	NiMh	8 h	DALI-Sibe
672276.002.1	L 225, B 225, H 58	840	1650 / 180 lm	20 W	NiMh	8 h	autotest
672276.002.1.04	L 225, B 225, H 58	840	1650 / 180 lm	20 W	NiMh	8 h	MultiDigit
672276.002.1.07	L 225, B 225, H 58	840	1650 / 180 lm	20 W	NiMh	8 h	DALI-Sibe
Length L 300 mm x Width B 300 mm							
672277.002	L 300, B 300, H 58	830	2050 / 420 lm	25 W	NiMh	3 h	autotest
672277.002.04	L 300, B 300, H 58	830	2050 / 420 lm	25 W	NiMh	3 h	MultiDigit
672277.002.07	L 300, B 300, H 58	830	2050 / 420 lm	25 W	NiMh	3 h	DALI-Sibe
672277.002.1	L 300, B 300, H 58	840	2200 / 430 lm	25 W	NiMh	3 h	autotest
672277.002.1.04	L 300, B 300, H 58	840	2200 / 430 lm	25 W	NiMh	3 h	MultiDigit
672277.002.1.07	L 300, B 300, H 58	840	2200 / 430 lm	25 W	NiMh	3 h	DALI-Sibe
672278.002	L 300, B 300, H 58	830	2050 / 170 lm	25 W	NiMh	8 h	autotest
672278.002.04	L 300, B 300, H 58	830	2050 / 170 lm	25 W	NiMh	8 h	MultiDigit
672278.002.07	L 300, B 300, H 58	830	2050 / 170 lm	25 W	NiMh	8 h	DALI-Sibe
672278.002.1	L 300, B 300, H 58	840	2200 / 180 lm	25 W	NiMh	8 h	autotest
672278.002.1.04	L 300, B 300, H 58	840	2200 / 180 lm	25 W	NiMh	8 h	MultiDigit
672278.002.1.07	L 300, B 300, H 58	840	2200 / 180 lm	25 W	NiMh	8 h	DALI-Sibe



Luminaires for central battery system							
Price Category 24							
Length L 110 mm x Width B 110 mm							
672259.002	L 110, B 110, H 58	830	410 / 410 lm	6 W	without battery		standard
672259.002.1	L 110, B 110, H 58	840	430 / 430 lm	6 W	without battery		standard
672259.002.89	L 110, B 110, H 58	830	410 / 410 lm	7 W	without battery		AC-Control
672259.002.1.89	L 110, B 110, H 58	840	430 / 430 lm	7 W	without battery		AC-Control
Length L 172 mm x Width B 172 mm							
672267.002	L 172, B 172, H 58	830	730 / 730 lm	8 W	without battery		standard
672267.002.1	L 172, B 172, H 58	840	730 / 730 lm	8 W	without battery		standard
672267.002.89	L 172, B 172, H 58	830	730 / 730 lm	9 W	without battery		AC-Control
672267.002.1.89	L 172, B 172, H 58	840	730 / 730 lm	9 W	without battery		AC-Control
Length L 225 mm x Width B 225 mm							
672268.002	L 225, B 225, H 58	830	1600 / 1600 lm	18 W	without battery		standard
672268.002.1	L 225, B 225, H 58	840	1650 / 1650 lm	18 W	without battery		standard
672268.002.89	L 225, B 225, H 58	830	1600 / 1600 lm	19 W	without battery		AC-Control
672268.002.1.89	L 225, B 225, H 58	840	1650 / 1650 lm	19 W	without battery		AC-Control
Length L 300 mm x Width B 300 mm							
672269.002	L 300, B 300, H 58	830	2050 / 2050 lm	22 W	without battery		standard
672269.002.1	L 300, B 300, H 58	840	2200 / 2200 lm	22 W	without battery		standard
672269.002.89	L 300, B 300, H 58	830	2050 / 2050 lm	23 W	without battery		AC-Control
672269.002.1.89	L 300, B 300, H 58	840	2200 / 2200 lm	23 W	without battery		AC-Control



Info: Series with 8 h rated operation time

Self-contained safety luminaires in rented accommodations, homes and multi-storey buildings require a rated operating time of 8 h according to DIN V VDE V 0108-100

8h

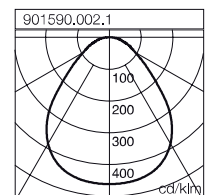


TOLEDO FLAT

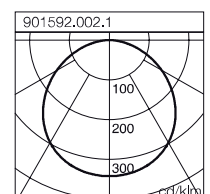
Recessed ceiling luminaires

- Extension of the highly successful LED downlight range as recessed luminaire for grid ceilings
- Extra flat design
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**, opal matt or micro prismatic
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Separate converter box with connecting cable
- DALI converter is compatible with DC, suitable for central battery system
- Retrofittable decorative cylinders made of chintz fabric as accessory, optional with satin finish polycarbonate diffuser
- Areas of application: Offices, meeting rooms, corridors, side rooms

901590.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	6



901592.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



Lay-in luminaires | Toledo Flat

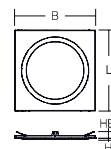
Type of Protection: **IP 40**

Protection Class: II

Impact Protection: IK06

Recessed frame: sheet steel, powder coated. Housing: die-cast aluminium. Diffuser made of non-yellowing PMMA, choice of opal matt or prismatic. Incl. separate LED converter with connecting cable 250 mm.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power		UGR	dim-able	EEC
Lay-in luminaires for grid ceilings - Module 600									
Diffuser: plastic (PMMA), opal									
901591.002	L 595, B 595, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	on/off	A+
901591.002.76	L 595, B 595, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	DALI	A+
901591.002.1	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	on/off	A+
901591.002.1.76	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	DALI	A+
Diffuser: plastic (PMMA), transparent microprismatic									
901589.002	L 595, B 595, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	on/off	A+
901589.002.76	L 595, B 595, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	DALI	A+
901589.002.1	L 595, B 595, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	on/off	A+
901589.002.1.76	L 595, B 595, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	DALI	A+

Lay-in luminaires for grid ceilings - Module 625									
Diffuser: plastic (PMMA), opal									
901592.002	L 622, B 622, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	on/off	A+
901592.002.76	L 622, B 622, H 6, HE 43	LED	830	3550 lm	35 W	113°	23,4	DALI	A+
901592.002.1	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	on/off	A+
901592.002.1.76	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,4	DALI	A+
Diffuser: plastic (PMMA), transparent microprismatic									
901590.002	L 622, B 622, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	on/off	A+
901590.002.76	L 622, B 622, H 6, HE 43	LED	830	3450 lm	35 W	88°	20,3	DALI	A+
901590.002.1	L 622, B 622, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	on/off	A+
901590.002.1.76	L 622, B 622, H 6, HE 43	LED	840	3550 lm	35 W	88°	20,6	DALI	A+

Accessories | Chintz decorative element Toledo Flat Round

Standard colour covering surface: 66,8003,01 white

Further colours (see page 35) available at the same price.

Please include the colour code in your order.

Can be retrofitted without tools to the recessed downlight.

Please be aware of possible increased freight charges for deliveries outside of Germany.



with diffuser



without diffuser

Chintz lampshades									
982323.002	D 500, H 60	Chintz decorative cylinder for Toledo Flat Round D 495							

Cannot be fitted with surface mount housing

Satin finish polycarbonate diffuser (optional)									
Can be installed on the decorative element without any tools									
982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500							

Diffusers with Chintz fabric in all colours on request.



Chintz lampshades									
Colour chart									
W06630	Chintz lampshades are available in more than 70 different colours								



Colour table with over 70 colours, see the page 35.



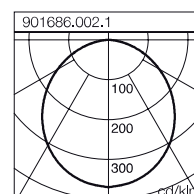
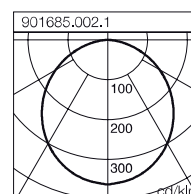
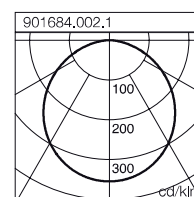
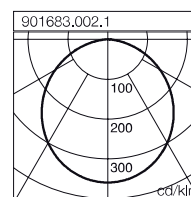




TOLEDO FLAT

Pendant luminaires

- Flat cylindrical LED pendant luminaire in four sizes
- Easy installation with transparent and adjustable 2 m suspension cable and canopy
- **Lightguide** and **diffuser** made of **non-yellowing PMMA**
- Very low installation height
- LED rated life 50,000 h (L70, B10)
- Colour rendering index $R_a > 80$
- Colour consistency within 4-steps MacAdam (4 SDCM)
- Applications:
Corridors, side rooms, hotels, restaurants, conference rooms, private rooms



Pendant luminaires | Toledo Flat

Type of Protection: IP 20

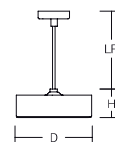
Protection Class: I

Impact Protection: IK06

Suspension Length: 2000 mm

Cylinder housing sheet steel, powder-coated. Housing: die cast aluminium and sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. Transparent suspension cable 2 m, can be shortened. Canopy: sheet steel, powder coated.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmi-able	EEC
Pendant luminaires							
Diffuser: plastic, opal							
Diameter D 150 mm							
901683.002	D 150, H 83	LED	830	390 lm	5 W	on/off	A+
901683.002.1	D 150, H 83	LED	840	400 lm	5 W	on/off	A+
Diameter D 192 mm							
901684.002	D 192, H 83	LED	830	740 lm	7,9 W	on/off	A+
901684.002.76	D 192, H 83	LED	830	740 lm	7,9 W	DALI	A+
901684.002.1	D 192, H 83	LED	840	840 lm	8,7 W	on/off	A+
901684.002.1.76	D 192, H 83	LED	840	840 lm	8,7 W	DALI	A+
Diameter D 257 mm							
901685.002	D 257, H 89	LED	830	1650 lm	18 W	on/off	A+
901685.002.76	D 257, H 89	LED	830	1650 lm	18 W	DALI	A+
901685.002.1	D 257, H 89	LED	840	1650 lm	18 W	on/off	A+
901685.002.1.76	D 257, H 89	LED	840	1650 lm	18 W	DALI	A+
Diameter D 319 mm							
901686.002	D 319, H 89	LED	830	2150 lm	23 W	on/off	A+
901686.002.76	D 319, H 89	LED	830	2150 lm	23 W	DALI	A+
901686.002.1	D 319, H 89	LED	840	2250 lm	23 W	on/off	A+
901686.002.1.76	D 319, H 89	LED	840	2250 lm	23 W	DALI	A+

Price Category 21

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

LED 7,9 / 8,7 W ≈
1 x 18 W TC-D (26 W CB)

LED 18 W ≈
2 x 18 W TC-D (52 W CB)

LED 23 W ≈
2 x 26 W TC-D (68 W CB)



Accessories | Supporting ring for fabric lamp shades

Retrofittable holder for a tool-free mounting of a lamp shade.

Ring metal powder coated. M4 Threaded. Knurled nuts plastic.

Mounting ring for fabric lamp shades			Price Category 21
982386.002	D 162, H 10	for surface and pendant Toledo Flat Round D 150 for mounting the lamp shade Toledo Flatliner 200	
982387.002	D 204, H 10	for surface and pendant Toledo Flat Round D 192 for mounting the lamp shade Toledo Flatliner 242	
982388.002	D 270, H 10	for surface and pendant Toledo Flat Round D 257 for mounting the lamp shade Toledo Flatliner 307	
982389.002	D 331, H 10	for surface and pendant Toledo Flat Round D 319 for mounting the lamp shade Toledo Flatliner 369	



A suitable lamp shade
can be found on page 32-33

TOLEDO FLAT(LINER)

New material for great ideas

RZB combines efficiency with variety and, with the TOLEDO FLATLINER, offers virtually unlimited design options and a wealth of material for brilliant ideas in playschools, hotels and restaurants. The efficient TOLEDO FLAT LED downlight is the basis for this attractive union. Combined with the high-quality chintz fabric lampshade from the FLATLINER range, a new generation of decorative yet technically sophisticated fabric lampshade luminaires is born: the TOLEDO FLATLINER series.

The numerous versions available with the highly efficient LED basic luminaire and the attractive value for money of this downlight are what make the RZB TOLEDO FLATLINER a versatile and economical all-rounder. The ideal solution can be put together from a choice of four different sizes, four luminous flux configurations and two light colours. You can choose from ceiling-mounted, pendant or DALI dimmable versions.

The versatility of this range continues with the choice of chintz fabric lightshades available. The decorative lightshades are hand-made in Germany and come in more than 70 different standard colours, four sizes, round or square basic designs and can also be made flame-resistant if required. A satin-finish polycarbonate cover can also be added as an optional extra. If, in spite of the attractive selection of standard colours to choose from, you can't find what you are looking for, the fabric lightshades can even be printed to order.

The uniform illumination, highly efficient LEDs and cost efficiency of the basic luminaire, combined with the wide variety of light shade designs, open up virtually unlimited options – in hotels or restaurants, playschools and in fact wherever material for new design concepts is required.







DALI

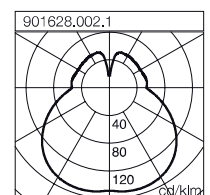


TOLEDO FLATLINER

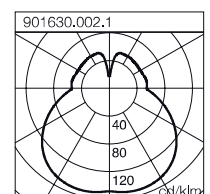
Ceiling luminaires, Pendant luminaires

- Decorative fabric lampshade luminaire for room design
- The basic luminaire for fabric lampshades is the Toledo Flat series
- More than 70 different standard colours to choose for the fabric lampshade
- Standard cylinder and cuboid shapes
- Material of fabric lampshade chintz or optionally also flame retardant fabric in compliance with B1
- Fabric lampshades can be retrofitted to the basic luminaire without tools
- Satin finish diffusers made of polycarbonate are optionally available
- Use of energy saving LED creates an energy efficient decorative luminaire
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Colour consistency within 4-steps MacAdam (4 SDCM)
- DALI converter is compatible with DC, suitable for central battery system
- Ceiling or pendant mounting

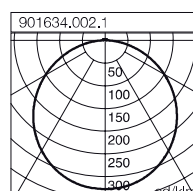
901628.002.1			
Floor 12 x 2,5 x 3m (0,2m)			
100 lx	150 lx	200 lx	
21	32	42	
Room 6 x 4 x 3 m (0,75 m)			
200 lx	300 lx	500 lx	
31	46	76	



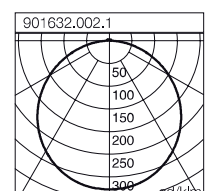
901630.002.1			
Floor 12 x 2,5 x 3m (0,2m)			
100 lx	150 lx	200 lx	
10	15	20	
Room 6 x 4 x 3 m (0,75 m)			
200 lx	300 lx	500 lx	
14	21	36	



901634.002.1			
Floor 12 x 2,5 x 3m (0,2m)			
100 lx	150 lx	200 lx	
4	5	7	
Room 6 x 4 x 3 m (0,75 m)			
200 lx	300 lx	500 lx	
5	7	12	



901632.002.1			
Floor 12 x 2,5 x 3m (0,2m)			
100 lx	150 lx	200 lx	
5	7	9	
Room 6 x 4 x 3 m (0,75 m)			
200 lx	300 lx	500 lx	
7	10	16	



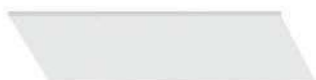
Options for Toledo Flatliner



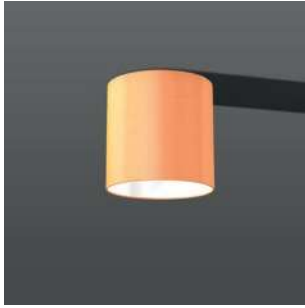
Basic luminaire for ceiling
or pendant mounting



Chintz fabric lampshade available
in cuboid or cylinder shape in more
than 70 different colours.
See p. 35 for overview of colours



Satin finish diffusers made of
polycarbonate are optionally available



Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

Ceiling luminaires | Toledo Flatliner

Type of Protection: **IP 40**

Protection Class: II

Basic luminaire: Cylinder housing: sheet steel, powder coated. Housing: die cast aluminium and sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. Lampshades can be mounted without tools. Ceiling mounting.

Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white

Other colours (see illustration) available at the same price.

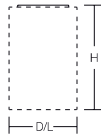
Please include the colour code in your order.

Modular design: The lampshades need to be ordered separately for each luminaire.

The use of the diffuser is optional.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmi-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 200, ceiling mounting							
901628.002	D 160, H 65	LED	830	260 lm	5 W	on/off	A+
901628.002.1	D 160, H 65	LED	840	290 lm	5 W	on/off	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades							Price Category 21
Toledo Flatliner 200							
Height of the fabric lampshade 120 mm							
982493.002	D 200, H 120	Cylinder shape					
982497.002	L 200, B 200, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982299.002	D 200, H 300	Cylinder shape					
982309.002	L 200, B 200, H 300	Cuboid shape					



Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982304.002	D 198, H 5	Accessories for Toledo Flatliner 200 cylinder shape					
982314.002	L 198, B 198, H 5	Accessories for Toledo Flatliner 200 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmi-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 242, ceiling mounting							
901630.002	D 202, H 65	LED	830	530 lm	9 W	on/off	A+
901630.002.76	D 202, H 65	LED	830	530 lm	9 W	DALI	A+
901630.002.1	D 202, H 65	LED	840	650 lm	9 W	on/off	A+
901630.002.1.76	D 202, H 65	LED	840	650 lm	9 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades							Price Category 21
Toledo Flatliner 242							
Height of the fabric lampshade 120 mm							
982494.002	D 242, H 120	Cylinder shape					
982498.002	L 242, B 242, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982300.002	D 242, H 300	Cylinder shape					
982310.002	L 242, B 242, H 300	Cuboid shape					



Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982305.002	D 240, H 5	Accessories for Toledo Flatliner 242 cylinder shape					
982315.002	L 240, B 240, H 5	Accessories for Toledo Flatliner 242 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 307, ceiling mounting							
901632.002	D 268, H 70	LED	830	1250 lm	18 W	on/off	A+
901632.002.76	D 268, H 70	LED	830	1250 lm	18 W	DALI	A+
901632.002.1	D 268, H 70	LED	840	1400 lm	18 W	on/off	A+
901632.002.1.76	D 268, H 70	LED	840	1400 lm	18 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							Price Category 21
Toledo Flatliner 307							
Height of the fabric lampshade 120 mm							
982495.002	D 307, H 120	Cylinder shape					
982499.002	L 307, B 307, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982301.002	D 307, H 300	Cylinder shape					
982311.002	L 307, B 307, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982306.002	D 305, H 5	Accessories for Toledo Flatliner 307 cylinder shape					
982316.002	L 305, B 305, H 5	Accessories for Toledo Flatliner 307 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 369, ceiling mounting							
901634.002	D 330, H 70	LED	830	1700 lm	23 W	on/off	A+
901634.002.76	D 330, H 70	LED	830	1700 lm	23 W	DALI	A+
901634.002.1	D 330, H 70	LED	840	1950 lm	23 W	on/off	A+
901634.002.1.76	D 330, H 70	LED	840	1950 lm	23 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							Price Category 21
Toledo Flatliner 369							
Height of the fabric lampshade 120 mm							
982496.002	D 369, H 120	Cylinder shape					
982500.002	L 369, B 369, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982302.002	D 369, H 300	Cylinder shape					
982312.002	L 369, B 369, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982307.002	D 367, H 5	Accessories for Toledo Flatliner 369 cylinder shape					
982317.002	L 367, B 367, H 5	Accessories for Toledo Flatliner 369 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Chintz lampshades							Price Category 21
Colour chart							
W06630	Chintz lampshades are available in more than 70 different colours						

**Comparison
LED vs. conventional lamps**

LED 18 W ≈
2 x 18 W TC-D (52 W CB)



**Comparison
LED vs. conventional lamps**

LED 23 W ≈
2 x 26 W TC-D (68 W CB)





Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

Pendant luminaires | Toledo Flatliner

Type of Protection: IP 20

Protection Class: I

Suspension Length: 2000 mm

Basic luminaire: Cylinder housing sheet steel, powder coated. Housing: die cast aluminium and sheet steel, powder coated. Bezel ring: die-cast aluminium, powder coated. Light guide and diffuser made of non-yellowing PMMA, opal matt. Lampshades can be mounted without tools. Transparent suspension cable 2 m, can be shortened. Canopy: sheet steel, powder coated.

Standard colour covering surface Chintz fabric lampshade: 66,8003,01 white

Other colours (see illustration) available at the same price.

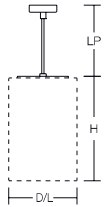
Please include the colour code in your order.

Modular design: The lampshades need to be ordered separately for each luminaire.

The use of the diffuser is optional.

Please be aware of possible increased freight charges for deliveries outside of Germany.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmi-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 200, pendant length LP 2000 mm							
901629.002	D 162, H 90	LED	830	260 lm	5 W	on/off	A+
901629.002.1	D 162, H 90	LED	840	300 lm	5 W	on/off	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades							Price Category 21
Toledo Flatliner 200							
Height of the fabric lampshade 120 mm							
982493.002	D 200, H 120	Cylinder shape					
982497.002	L 200, B 200, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982299.002	D 200, H 300	Cylinder shape					
982309.002	L 200, B 200, H 300	Cuboid shape					



Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982304.002	D 198, H 5	Accessories for Toledo Flatliner 200 cylinder shape					
982314.002	L 198, B 198, H 5	Accessories for Toledo Flatliner 200 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Comparison LED vs. conventional lamps

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dimmi-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 242, pendant length LP 2000 mm							
901631.002	D 204, H 91	LED	830	530 lm	9 W	on/off	A+
901631.002.76	D 204, H 91	LED	830	530 lm	9 W	DALI	A+
901631.002.1	D 204, H 91	LED	840	650 lm	9 W	on/off	A+
901631.002.1.76	D 204, H 91	LED	840	650 lm	9 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.



Chintz lampshades							Price Category 21
Toledo Flatliner 242							
Height of the fabric lampshade 120 mm							
982494.002	D 242, H 120	Cylinder shape					
982498.002	L 242, B 242, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982300.002	D 242, H 300	Cylinder shape					
982310.002	L 242, B 242, H 300	Cuboid shape					



Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982305.002	D 240, H 5	Accessories for Toledo Flatliner 242 cylinder shape					
982315.002	L 240, B 240, H 5	Accessories for Toledo Flatliner 242 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							Price Category 21
Toledo Flatliner 307, pendant length LP 2000 mm							
901633.002	D 270, H 96	LED	830	1250 lm	18 W	on/off	A+
901633.002.76	D 270, H 96	LED	830	1250 lm	18 W	DALI	A+
901633.002.1	D 270, H 96	LED	840	1400 lm	18 W	on/off	A+
901633.002.1.76	D 270, H 96	LED	840	1400 lm	18 W	DALI	A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							Price Category 21
Toledo Flatliner 307							
Height of the fabric lampshade 120 mm							
982495.002	D 307, H 120	Cylinder shape					
982499.002	L 307, B 307, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982301.002	D 307, H 300	Cylinder shape					
982311.002	L 307, B 307, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982306.002	D 305, H 5	Accessories for Toledo Flatliner 307 cylinder shape					
982316.002	L 305, B 305, H 5	Accessories for Toledo Flatliner 307 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC	€ gross without VA
Basic luminaire for lampshade attachment							Price Category 21	
Toledo Flatliner 369, pendant length LP 2000 mm								
901635.002	D 331, H 96	LED	830	1750 lm	23 W	on/off	A+	
901635.002.76	D 331, H 96	LED	830	1750 lm	23 W	DALI	A+	
901635.002.1	D 331, H 96	LED	840	1950 lm	23 W	on/off	A+	
901635.002.1.76	D 331, H 96	LED	840	1950 lm	23 W	DALI	A+	

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							Price Category 21
Toledo Flatliner 369							
Height of the fabric lampshade 120 mm							
982496.002	D 369, H 120	Cylinder shape					
982500.002	L 369, B 369, H 120	Cuboid shape					
Height of the fabric lampshade 300 mm							
982302.002	D 369, H 300	Cylinder shape					
982312.002	L 369, B 369, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							Price Category 21
Can be installed on the decorative element without any tools							
982307.002	D 367, H 5	Accessories for Toledo Flatliner 369 cylinder shape					
982317.002	L 367, B 367, H 5	Accessories for Toledo Flatliner 369 cuboid shape					

Diffusers with Chintz fabric in all colours on request.

Chintz lampshades							Price Category 21
Colour chart							
W06630	Chintz lampshades are available in more than 70 different colours						

**Comparison
LED vs. conventional lamps**

LED 18 W ≈
2 x 18 W TC-D (52 W CB)



**Comparison
LED vs. conventional lamps**

LED 23 W ≈
2 x 26 W TC-D (68 W CB)



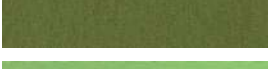
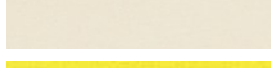
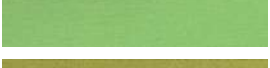
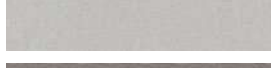
Chintz lampshades are available in more than 70 different colours

Reference number: W06630



Colour options of the chintz lampshades

Please include the colour code in your order.

	66.8003.01		66.8003.34		66.8003.70
	66.8003.02		66.8003.35		66.8003.71
	66.8003.03		66.8003.36		66.8003.72
	66.8003.04		66.8003.37		66.8003.73
	66.8003.07		66.8003.38		66.8003.74
	66.8003.08		66.8003.40		66.8003.75
	66.8003.09		66.8003.41		66.8003.76
	66.8003.10		66.8003.42		66.8003.77
	66.8003.11		66.8003.43		66.8003.78
	66.8003.12		66.8003.44		66.8003.79
	66.8003.13		66.8003.45		66.8003.80
	66.8003.14		66.8003.46		66.8003.81
	66.8003.15		66.8003.47		66.8003.82
	66.8003.17		66.8003.48		66.8003.83
	66.8003.18		66.8003.49		66.8003.84
	66.8003.19		66.8003.50		66.8003.85
	66.8003.20		66.8003.52		66.8003.86
	66.8003.21		66.8003.53		66.8003.87
	66.8003.22		66.8003.54		66.8003.88
	66.8003.23		66.8003.57		66.8003.90
	66.8003.24		66.8003.62		66.8003.91
	66.8003.25		66.8003.63		66.8003.92
	66.8003.27		66.8003.64		66.8003.93
	66.8003.28		66.8003.65		66.8003.94
	66.8003.29		66.8003.66		66.8003.95
	66.8003.30		66.8003.67		66.8003.96
	66.8003.32		66.8003.68		66.8003.97
	66.8003.33		66.8003.69		66.8003.99



04.2019



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