

also available as an emergency luminaire



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 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 plastic covers 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 louvres 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.

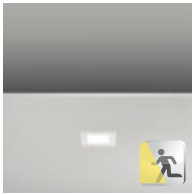
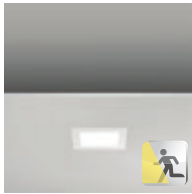
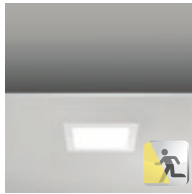
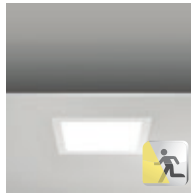




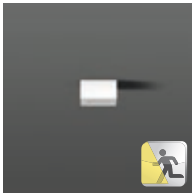
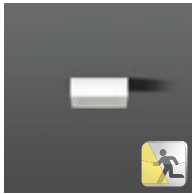
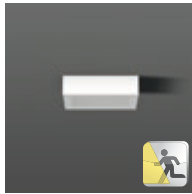
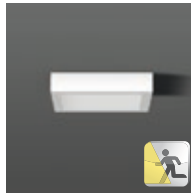




The overall combination of advanced technical features, a wide choice of versions and, not least, its pleasing and versatile simplicity is what makes the TOLEDO FLAT a real favourite in the downlight sector. This is a genuine all-rounder for the commercial and private sector and remains unparalleled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

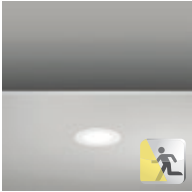


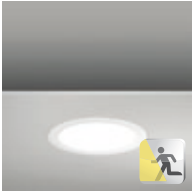






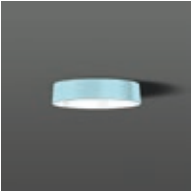
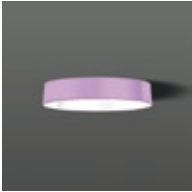


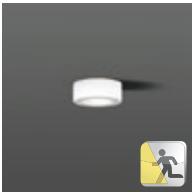














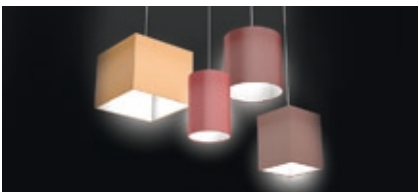
TOLEDO FLAT as an emergency luminaire

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.





Toledo Flat				
Diffusor Kunststoff	opal	opal	opal	opal
Luminaire flux	370 - 390 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				
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
Ceiling luminaires (Complete luminaire)				
Dimensions lamp shades				
Pendant luminaires (Complete luminaire)				
Dimensions lamp shades				

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	* for lumen package, please refer to the basic	
					
D 200, H 300 Page 26	D 242, H 300 Page 26	D 307, H 300 Page 26	D 369, H 300 Page 27	Overview	
					
L 200, B 200, H 300 Page 28	L 242, B 242, H 300 Page 28	L 307, B 307, H 300 Page 28	L 369, B 369, H 300 Page 29	Overview	



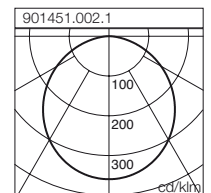
TOLEDO FLAT

Recessed downlights

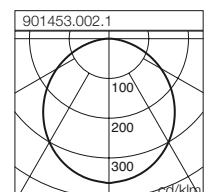
- Ultra thin recessed LED downlight
- Lightguide and diffuser made of non-yellowing PMMA
- Shallow recessed depth
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Good colour consistency within 4-steps MacAdam (4 SDCM)
- Colour temperature 3000 K and 4000 K
- Tunable white versions dynamically adjustable from 2700 K to 6500 K
- Easy to install thanks to tool-free spring fastening system
- Versions with smart+free Bluetooth control for wireless network and operation using Android / iOS devices, free app available for download
- Can be directly covered with thermal insulation material (does not apply for D 495 mm diameter)

- Separate converter box with connecting cable
- Converter for standard (on/off) or DALI dimmable
- DALI converter is compatible with DC, suitable for central battery systems
- 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

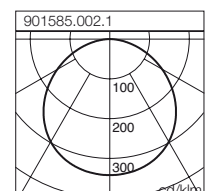
901451.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



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	15



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 | Series: Toledo Flat Round

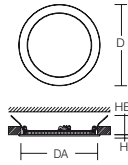
Type of Protection: **IP 40**
 Protection Class: II
 Ceiling Thickness: 1-20 mm
 Impact Protection: IK06

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

LED and LED converter included.

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		UGR	dim-able	EB	CB	EEC
Recessed downlights											
Diffuser: plastic, opal											
Ceiling cut out DA 128 mm											
128 901451.002	D 148, H 2, HE 27-53	LED	830	390 lm	5 W	110°	26,4	on/off	✓	✓	A+ A+
901451.002.76	D 148, H 2, HE 31-53	LED	830	390 lm	5 W	110°	26,4	DALI			A+ A+
901451.002.1.Q	D 148, H 2, HE 27-53	LED	840	410 lm	5 W	110°	26,4	on/off	✓	✓	A+ A+
901451.002.1.76	D 148, H 2, HE 31-53	LED	840	410 lm	5 W	110°	26,4	DALI			A+ A+
Ceiling cut out DA 170 mm											
170 901452.002	D 190, H 3, HE 27-53	LED	830	740 lm	9 W	110°	26,2	on/off	✓	✓	A+ A+
901452.002.76.Q	D 190, H 3, HE 31-53	LED	830	740 lm	9 W	110°	26,2	DALI			A+ A+
901452.002.1.Q	D 190, H 3, HE 27-53	LED	840	840 lm	9 W	110°	26,6	on/off	✓	✓	A+ A+
901452.002.1.76.Q	D 190, H 3, HE 31-53	LED	840	840 lm	9 W	110°	26,6	DALI			A+ A+
Ceiling cut out DA 234 mm											
234 901453.002	D 255, H 3, HE 30-56	LED	830	1650 lm	17,8 W	110°	26,5	on/off	✓	✓	A+ A+
901453.002.76.Q	D 255, H 3, HE 31-56	LED	830	1650 lm	17,8 W	110°	26,5	DALI			A+ A+
901453.002.1.Q	D 255, H 3, HE 30-56	LED	840	1700 lm	17,8 W	110°	26,6	on/off	✓	✓	A+ A+
901453.002.1.76.Q	D 255, H 3, HE 31-56	LED	840	1700 lm	17,8 W	110°	26,6	DALI			A+ A+
Tunable White - 2700 K to 6500 K											
901666.002.730	D 255, H 3, HE 30-56	LED	827-865	1550 lm	19,2 W	110°	26,5	smart+free			A+ A+
Ceiling cut out DA 288 mm											
288 901484.002	D 317, H 3, HE 31-54	LED	830	2200 lm	23 W	108°	25,6	on/off	✓	✓	A+ A+
901484.002.76.Q	D 317, H 3, HE 31-54	LED	830	2200 lm	23 W	108°	25,6	DALI			A+ A+
901484.002.1.Q	D 317, H 3, HE 31-54	LED	840	2300 lm	23 W	108°	25,7	on/off	✓	✓	A+ A+
901484.002.1.76.Q	D 317, H 3, HE 31-54	LED	840	2300 lm	23 W	108°	25,7	DALI			A+ A+
Tunable White - 2700 K to 6500 K											
901667.002.730	D 317, H 3, HE 31-54	LED	827-865	2250 lm	25 W	108°	25,6	smart+free			A+ A+
Ceiling cut out DA 470 mm											
470 901585.002	D 495, H 6, HE 40-59	LED	830	3600 lm	35 W	113°	23,9	on/off			A+ A+
901585.002.76	D 495, H 6, HE 40-59	LED	830	3600 lm	35 W	113°	23,9	DALI			A+ A+
901585.002.1	D 495, H 6, HE 40-59	LED	840	3600 lm	35 W	113°	23,9	on/off			A+ A+
901585.002.1.76	D 495, H 6, HE 40-59	LED	840	3600 lm	35 W	113°	23,9	DALI			A+ A+
Tunable White - 2700 K bis 6500 K											
901668.002.730	D 495, H 6, HE 55-75	LED	827-865	3050 lm	33 W	113°	23,9	smart+free			A+ A+
Diffuser: transparent plastic, microprismatic											
Ceiling cut out DA 470 mm											
470 901586.002	D 495, H 6, HE 40-59	LED	830	3500 lm	35 W	88°	21,1	on/off			A+ A+
901586.002.76	D 495, H 6, HE 40-59	LED	830	3500 lm	35 W	88°	21,1	DALI			A+ A+
901586.002.1	D 495, H 6, HE 40-59	LED	840	3600 lm	35 W	88°	21,4	on/off			A+ A+
901586.002.1.76	D 495, H 6, HE 40-59	LED	840	3600 lm	35 W	88°	21,4	DALI			A+ A+
Tunable White - 2700 K to 6500 K											
901669.002.730	D 495, H 6, HE 55-75	LED	827-865	3000 lm	33 W	88°	21,1	smart+free			A+ A+

Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)

LED 9 W ≈
1 x 18 W TC-D (26 W CB)

LED 17,8 W ≈
1 x 32 W TC-D (36 W CB)

LED 23 W ≈
2 x 26 W TC-D (68 W CB)

LED 35 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



Recessed frame			Price Category 21
Module 600			
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	

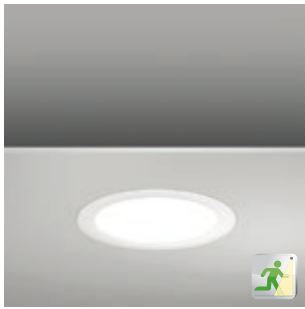

Accessories | Surface mounting accessories

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 the tunable white version



Recessed downlights | Series: Toledo Flat Round

Type of Protection: **IP 40**
 Protection Class: I
 Ceiling Thickness: 1-20 mm

For escape route illumination

Housing: die-cast aluminium. Light guide and plastic cover made of non-yellowing PMMA, opal matt. Emergency kit and battery in separate box with connecting cable.
 LED included.

Available colour: white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

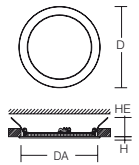
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB



Reference number	Dimensions	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Rated operating time	Emergency Lighting System	Price Category 23
Self-contained safety luminaires							
128 Ceiling cut out DA 128 mm, HE 150							
672220.002	D 148, H 2	1 x LED 5 W	830	390 / 310 lm	3 h	autotest	
672220.002.04	D 148, H 2	1 x LED 5 W	830	390 / 310 lm	3 h	MultiDigit	
672220.002.07	D 148, H 2	1 x LED 5 W	830	390 / 310 lm	3 h	DALI-Sibe	
672221.002	D 148, H 2	1 x LED 5 W	830	390 / 140 lm	8 h	autotest	
672221.002.04	D 148, H 2	1 x LED 5 W	830	390 / 140 lm	8 h	MultiDigit	
672221.002.07	D 148, H 2	1 x LED 5 W	830	390 / 140 lm	8 h	DALI-Sibe	
672220.002.1	D 148, H 2	1 x LED 5 W	840	410 / 330 lm	3 h	autotest	
672220.002.1.04	D 148, H 2	1 x LED 5 W	840	410 / 330 lm	3 h	MultiDigit	
672220.002.1.07	D 148, H 2	1 x LED 5 W	840	410 / 330 lm	3 h	DALI-Sibe	
672221.002.1	D 148, H 2	1 x LED 5 W	840	410 / 150 lm	8 h	autotest	
672221.002.1.04	D 148, H 2	1 x LED 5 W	840	410 / 150 lm	8 h	MultiDigit	
672221.002.1.07	D 148, H 2	1 x LED 5 W	840	410 / 150 lm	8 h	DALI-Sibe	
170 Ceiling cut out DA 170 mm, HE 120							
672222.002	D 190, H 3	1 x LED 9 W	830	740 / 370 lm	3 h	autotest	
672222.002.04	D 190, H 3	1 x LED 9 W	830	740 / 370 lm	3 h	MultiDigit	
672222.002.07	D 190, H 3	1 x LED 9 W	830	740 / 370 lm	3 h	DALI-Sibe	
672223.002	D 190, H 3	1 x LED 9 W	830	740 / 170 lm	8 h	autotest	
672223.002.04	D 190, H 3	1 x LED 9 W	830	740 / 170 lm	8 h	MultiDigit	
672223.002.07	D 190, H 3	1 x LED 9 W	830	740 / 170 lm	8 h	DALI-Sibe	
672222.002.1	D 190, H 3	1 x LED 9 W	840	840 / 350 lm	3 h	autotest	
672222.002.1.04	D 190, H 3	1 x LED 9 W	840	840 / 350 lm	3 h	MultiDigit	
672222.002.1.07	D 190, H 3	1 x LED 9 W	840	840 / 350 lm	3 h	DALI-Sibe	
672223.002.1	D 190, H 3	1 x LED 9 W	840	840 / 160 lm	8 h	autotest	
672223.002.1.04	D 190, H 3	1 x LED 9 W	840	840 / 160 lm	8 h	MultiDigit	
672223.002.1.07	D 190, H 3	1 x LED 9 W	840	840 / 160 lm	8 h	DALI-Sibe	
234 Ceiling cut out DA 234 mm, HE 100							
672224.002	D 255, H 3	1 x LED 18 W	830	1650 / 450 lm	3 h	autotest	
672224.002.04	D 255, H 3	1 x LED 18 W	830	1650 / 450 lm	3 h	MultiDigit	
672224.002.07	D 255, H 3	1 x LED 18 W	830	1650 / 450 lm	3 h	DALI-Sibe	
672225.002	D 255, H 3	1 x LED 18 W	830	1650 / 180 lm	8 h	autotest	
672225.002.04	D 255, H 3	1 x LED 18 W	830	1650 / 180 lm	8 h	MultiDigit	
672225.002.07	D 255, H 3	1 x LED 18 W	830	1650 / 180 lm	8 h	DALI-Sibe	
672224.002.1	D 255, H 3	1 x LED 18 W	840	1700 / 460 lm	3 h	autotest	
672224.002.1.04	D 255, H 3	1 x LED 18 W	840	1700 / 460 lm	3 h	MultiDigit	
672224.002.1.07	D 255, H 3	1 x LED 18 W	840	1700 / 460 lm	3 h	DALI-Sibe	
672225.002.1	D 255, H 3	1 x LED 18 W	840	1700 / 180 lm	8 h	autotest	
672225.002.1.04	D 255, H 3	1 x LED 18 W	840	1700 / 180 lm	8 h	MultiDigit	
672225.002.1.07	D 255, H 3	1 x LED 18 W	840	1700 / 180 lm	8 h	DALI-Sibe	
288 Ceiling cut out DA 288 mm, HE 90							
672226.002	D 317, H 3	1 x LED 24 W	830	2200 / 430 lm	3 h	autotest	
672226.002.04	D 317, H 3	1 x LED 24 W	830	2200 / 430 lm	3 h	MultiDigit	
672226.002.07	D 317, H 3	1 x LED 24 W	830	2200 / 430 lm	3 h	DALI-Sibe	
672227.002	D 317, H 3	1 x LED 24 W	830	2200 / 180 lm	8 h	autotest	
672227.002.04	D 317, H 3	1 x LED 24 W	830	2200 / 180 lm	8 h	MultiDigit	
672227.002.07	D 317, H 3	1 x LED 24 W	830	2200 / 180 lm	8 h	DALI-Sibe	
672226.002.1	D 317, H 3	1 x LED 24 W	840	2300 / 440 lm	3 h	autotest	
672226.002.1.04	D 317, H 3	1 x LED 24 W	840	2300 / 440 lm	3 h	MultiDigit	
672226.002.1.07	D 317, H 3	1 x LED 24 W	840	2300 / 440 lm	3 h	DALI-Sibe	
672227.002.1	D 317, H 3	1 x LED 24 W	840	2300 / 180 lm	8 h	autotest	
672227.002.1.04	D 317, H 3	1 x LED 24 W	840	2300 / 180 lm	8 h	MultiDigit	
672227.002.1.07	D 317, H 3	1 x LED 24 W	840	2300 / 180 lm	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

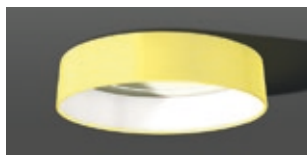


Reference number	Dimensions	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Monitoring module	Price Category 24
Luminaires for central battery system						
126	Ceiling cut out DA 128 mm					
672228.002	D 148, H 2, HE 35	1 x LED 5 W	830	390 / 390 lm		
672228.002.89	D 148, H 2, HE 100	1 x LED 5 W	830	390 / 390 lm	AC-Control	
672228.002.1	D 148, H 2, HE 35	1 x LED 5 W	840	410 / 410 lm		
672228.002.1.89	D 148, H 2, HE 100	1 x LED 5 W	840	410 / 410 lm	AC-Control	
170	Ceiling cut out DA 170 mm					
672229.002	D 190, H 3, HE 35	1 x LED 9 W	830	740 / 740 lm		
672229.002.89	D 190, H 3, HE 60	1 x LED 9 W	830	740 / 740 lm	AC-Control	
672229.002.1	D 190, H 3, HE 35	1 x LED 9 W	840	840 / 840 lm		
672229.002.1.89	D 190, H 3, HE 60	1 x LED 9 W	840	840 / 840 lm	AC-Control	
234	Ceiling cut out DA 234 mm					
672230.002	D 255, H 3, HE 35	1 x LED 18 W	830	1650 / 1650 lm		
672230.002.89	D 255, H 3, HE 40	1 x LED 18 W	830	1650 / 1650 lm	AC-Control	
672230.002.1	D 255, H 3, HE 35	1 x LED 18 W	840	1700 / 1700 lm		
672230.002.1.89	D 255, H 3, HE 40	1 x LED 18 W	840	1700 / 1700 lm	AC-Control	
288	Ceiling cut out DA 288 mm					
672231.002	D 317, H 3, HE 35	1 x LED 24 W	830	2200 / 2200 lm		
672231.002.89	D 317, H 3, HE 40	1 x LED 24 W	830	2200 / 2200 lm	AC-Control	
672231.002.1	D 317, H 3, HE 35	1 x LED 24 W	840	2300 / 2300 lm		
672231.002.1.89	D 317, H 3, HE 40	1 x LED 24 W	840	2300 / 2300 lm	AC-Control	





with diffuser



without diffuser



Accessories | Chintz decorative cylinder Toledo Flat

Standard colour covering surface: 66.8003.01 white

Other colours (see illustration page 31) available at the same price. Please include the colour code with 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



Chintz lamp shades

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 cylinder without any tools

982324.002	D 155, H 4	Accessories for chintz decorative cylinder D 153
982325.002	D 197, H 4	Accessories for chintz decorative cylinder D 195
982326.002	D 263, H 4	Accessories for chintz decorative cylinder D 260
982327.002	D 324, H 4	Accessories for chintz decorative cylinder D 322
982328.002	D 507, H 4	Accessories for chintz decorative cylinder D 500

Fabric lamp shades chintz

Price Category 21

Colour chart

W06630 Chintz lamp shades are available in more than 70 different colours



Recessed downlights | Series: Toledo Flat Square

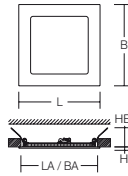
Type of Protection: **IP 40**
 Protection Class: II
 Ceiling Thickness: 1-20 mm
 Impact Protection: IK06

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

LED and LED converter included.

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	UGR	dimm-able	EB	BB	EEC
Recessed downlights										
Ceiling cut out LA 96 x BA 96 mm										
901485.002 .Q	L 110, B 110, H 3, HE 27-56	LED	830	370 lm	4,7 W	107°	28,2	on/off	✓	A+ A+
901485.002.76	L 110, B 110, H 3, HE 31-56	LED	830	370 lm	4,7 W	107°	28,2	DALI	✓	A+ A+
901485.002.1	L 110, B 110, H 3, HE 27-56	LED	840	390 lm	4,7 W	107°	28,4	on/off	✓	A+ A+
901485.002.1.76	L 110, B 110, H 3, HE 31-56	LED	840	390 lm	4,7 W	107°	28,4	DALI	✓	A+ A+
Ceiling cut out LA 156 x BA 156 mm										
901486.002 .Q	L 172, B 172, H 3, HE 28-56	LED	830	730 lm	8 W	108°	25,8	on/off	✓	A+ A+
901486.002.76	L 172, B 172, H 3, HE 31-56	LED	830	730 lm	8 W	108°	25,8	DALI	✓	A+ A+
901486.002.1 .Q	L 172, B 172, H 3, HE 28-56	LED	840	750 lm	8 W	108°	25,8	on/off	✓	A+ A+
901486.002.1.76	L 172, B 172, H 3, HE 31-56	LED	840	750 lm	8 W	108°	25,8	DALI	✓	A+ 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	17,8 W	108°	26,0	on/off	✓	A+ A+
901487.002.76	L 225, B 225, H 3, HE 31-56	LED	830	1600 lm	17,8 W	108°	26,0	DALI	✓	A+ A+
901487.002.1 .Q	L 225, B 225, H 3, HE 29-56	LED	840	1650 lm	17,8 W	108°	26,1	on/off	✓	A+ A+
901487.002.1.76	L 225, B 225, H 3, HE 31-56	LED	840	1650 lm	17,8 W	108°	26,1	DALI	✓	A+ A+
Tunable White - 2700 K to 6500 K										
901670.002.730	L 225, B 225, H 3, HE 29-56	LED	827-865	1400 lm	19,1 W	108°	26,0	smart+free	✓	A+ 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°	24,4	on/off	✓	A+ A+
901488.002.76 .Q	L 300, B 300, H 3, HE 31-56	LED	830	2050 lm	22 W	108°	24,4	DALI	✓	A+ A+
901488.002.1 .Q	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108°	24,6	on/off	✓	A+ A+
901488.002.1.76	L 300, B 300, H 3, HE 31-56	LED	840	2200 lm	22 W	108°	24,6	DALI	✓	A+ A+
Tunable White - 2700 K to 6500 K										
901671.002.730	L 300, B 300, H 3, HE 31-56	LED	827-865	2000 lm	25 W	108°	24,4	smart+free	✓	A+ A+

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 17,8 W ≈
 1 x 32 W TC-D (36 W CB)

LED 22 W ≈
 2 x 26 W TC-D (68 W CB)

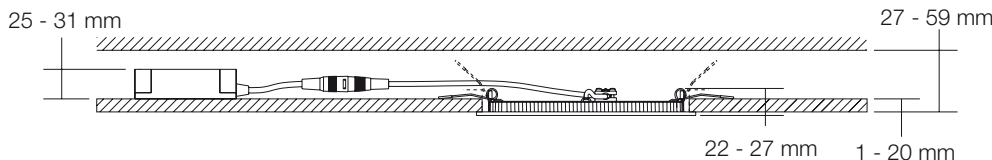

Accessories | Surface mounting accessories

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

Reference number	Dimensions	for Toledo Flat Square	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 the tunable white version





Recessed downlights | Series: Toledo Flat Square

Type of Protection: **IP 40**
 Protection Class: I
 Ceiling Thickness: 1-20 mm

For escape route illumination

Housing: die-cast aluminium. Light guide and plastic cover made of non-yellowing PMMA, opal matt. Emergency kit and battery in separate box with connecting cable.

LED included.
 Available colour: white

Self-contained safety luminaires

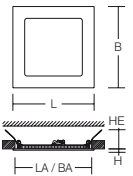
Voltage type: AC
 Automatic self test in all standard versions.

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	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Rated operating time	Emergency Lighting System	Price Category 23
Self-contained safety luminaires							
Ceiling cut out LA 96 x BA 96 mm, HE 170							
672233.002	L 110, B 110, H 3	1 x LED 5 W	830	370 / 280 lm	3 h	autotest	
672233.002.04	L 110, B 110, H 3	1 x LED 5 W	830	370 / 280 lm	3 h	MultiDigit	
672233.002.07	L 110, B 110, H 3	1 x LED 5 W	830	370 / 280 lm	3 h	DALI-Sibe	
672234.002	L 110, B 110, H 3	1 x LED 5 W	830	370 / 120 lm	8 h	autotest	
672234.002.04	L 110, B 110, H 3	1 x LED 5 W	830	370 / 120 lm	8 h	MultiDigit	
672234.002.07	L 110, B 110, H 3	1 x LED 5 W	830	370 / 120 lm	8 h	DALI-Sibe	
672233.002.1	L 110, B 110, H 3	1 x LED 5 W	840	390 / 330 lm	3 h	autotest	
672233.002.1.04	L 110, B 110, H 3	1 x LED 5 W	840	390 / 330 lm	3 h	MultiDigit	
672233.002.1.07	L 110, B 110, H 3	1 x LED 5 W	840	390 / 330 lm	3 h	DALI-Sibe	
672234.002.1	L 110, B 110, H 3	1 x LED 5 W	840	390 / 130 lm	8 h	autotest	
672234.002.1.04	L 110, B 110, H 3	1 x LED 5 W	840	390 / 130 lm	8 h	MultiDigit	
672234.002.1.07	L 110, B 110, H 3	1 x LED 5 W	840	390 / 130 lm	8 h	DALI-Sibe	
Ceiling cut out LA 156 x BA 156 mm, HE 110							
672235.002	L 172, B 172, H 3	1 x LED 9 W	830	730 / 350 lm	3 h	autotest	
672235.002.04	L 172, B 172, H 3	1 x LED 9 W	830	730 / 350 lm	3 h	MultiDigit	
672235.002.07	L 172, B 172, H 3	1 x LED 9 W	830	730 / 350 lm	3 h	DALI-Sibe	
672236.002	L 172, B 172, H 3	1 x LED 9 W	830	730 / 160 lm	8 h	autotest	
672236.002.04	L 172, B 172, H 3	1 x LED 9 W	830	730 / 160 lm	8 h	MultiDigit	
672236.002.07	L 172, B 172, H 3	1 x LED 9 W	830	730 / 160 lm	8 h	DALI-Sibe	
672235.002.1	L 172, B 172, H 3	1 x LED 9 W	840	750 / 340 lm	3 h	autotest	
672235.002.1.04	L 172, B 172, H 3	1 x LED 9 W	840	750 / 340 lm	3 h	MultiDigit	
672235.002.1.07	L 172, B 172, H 3	1 x LED 9 W	840	750 / 340 lm	3 h	DALI-Sibe	
672236.002.1	L 172, B 172, H 3	1 x LED 9 W	840	730 / 150 lm	8 h	autotest	
672236.002.1.04	L 172, B 172, H 3	1 x LED 9 W	840	730 / 150 lm	8 h	MultiDigit	
672236.002.1.07	L 172, B 172, H 3	1 x LED 9 W	840	730 / 150 lm	8 h	DALI-Sibe	
Ceiling cut out LA 208 x BA 208 mm, HE 100							
672237.002	L 225, B 225, H 3	1 x LED 18 W	830	1600 / 440 lm	3 h	autotest	
672237.002.04	L 225, B 225, H 3	1 x LED 18 W	830	1600 / 440 lm	3 h	MultiDigit	
672237.002.07	L 225, B 225, H 3	1 x LED 18 W	830	1600 / 440 lm	3 h	DALI-Sibe	
672238.002	L 225, B 225, H 3	1 x LED 18 W	830	1600 / 170 lm	8 h	autotest	
672238.002.04	L 225, B 225, H 3	1 x LED 18 W	830	1600 / 170 lm	8 h	MultiDigit	
672238.002.07	L 225, B 225, H 3	1 x LED 18 W	830	1600 / 170 lm	8 h	DALI-Sibe	
672237.002.1	L 225, B 225, H 3	1 x LED 18 W	840	1650 / 450 lm	3 h	autotest	
672237.002.1.04	L 225, B 225, H 3	1 x LED 18 W	840	1650 / 450 lm	3 h	MultiDigit	
672237.002.1.07	L 225, B 225, H 3	1 x LED 18 W	840	1650 / 450 lm	3 h	DALI-Sibe	
672238.002.1	L 225, B 225, H 3	1 x LED 18 W	840	1650 / 180 lm	8 h	autotest	
672238.002.1.04	L 225, B 225, H 3	1 x LED 18 W	840	1650 / 180 lm	8 h	MultiDigit	
672238.002.1.07	L 225, B 225, H 3	1 x LED 18 W	840	1650 / 180 lm	8 h	DALI-Sibe	
Ceiling cut out LA 280 x BA 280 mm, HE 90							
672239.002	L 300, B 300, H 3	1 x LED 24 W	830	2100 / 420 lm	3 h	autotest	
672239.002.04	L 300, B 300, H 3	1 x LED 24 W	830	2100 / 420 lm	3 h	MultiDigit	
672239.002.07	L 300, B 300, H 3	1 x LED 24 W	830	2100 / 420 lm	3 h	DALI-Sibe	
672240.002	L 300, B 300, H 3	1 x LED 24 W	830	2050 / 170 lm	8 h	autotest	
672240.002.04	L 300, B 300, H 3	1 x LED 24 W	830	2050 / 170 lm	8 h	MultiDigit	
672240.002.07	L 300, B 300, H 3	1 x LED 24 W	830	2050 / 170 lm	8 h	DALI-Sibe	
672239.002.1	L 300, B 300, H 3	1 x LED 24 W	840	2200 / 430 lm	3 h	autotest	
672239.002.1.04	L 300, B 300, H 3	1 x LED 24 W	840	2200 / 430 lm	3 h	MultiDigit	
672239.002.1.07	L 300, B 300, H 3	1 x LED 24 W	840	2200 / 430 lm	3 h	DALI-Sibe	
672240.002.1	L 300, B 300, H 3	1 x LED 24 W	840	2200 / 180 lm	8 h	autotest	
672240.002.1.04	L 300, B 300, H 3	1 x LED 24 W	840	2200 / 180 lm	8 h	MultiDigit	
672240.002.1.07	L 300, B 300, H 3	1 x LED 24 W	840	2200 / 180 lm	8 h	DALI-Sibe	

Info: Series with 8h rated operation time

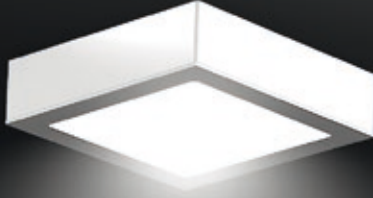
Self-contained safety luminaires in rented accommodations, homes and multi-storey buildings require a rated operating time of 8h according to DIN V VDE V 0108-100

8h



Reference number	Dimensions	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Monitoring module	Price Category 24
Luminaires for central battery system						
Ceiling cut out LA 96 x BA 96 mm						
672241.002	L 110, B 110, H 3, HE 40	1 x LED 5 W	830	370 / 280 lm		
672241.002.89	L 110, B 110, H 3, HE 100	1 x LED 5 W	830	370 / 280 lm	AC-Control	
672241.002.1	L 110, B 110, H 3, HE 40	1 x LED 5 W	840	390 / 330 lm		
672241.002.1.89	L 110, B 110, H 3, HE 100	1 x LED 5 W	840	390 / 330 lm	AC-Control	
Ceiling cut out LA 156 x BA 156 mm						
672242.002	L 172, B 172, H 3, HE 35	1 x LED 9 W	830	730 / 730 lm		
672242.002.89	L 172, B 172, H 3, HE 60	1 x LED 9 W	830	730 / 730 lm	AC-Control	
672242.002.1	L 172, B 172, H 3, HE 35	1 x LED 9 W	840	750 / 750 lm		
672242.002.1.89	L 172, B 172, H 3, HE 60	1 x LED 9 W	840	750 / 750 lm	AC-Control	
Ceiling cut out LA 208 x BA 208 mm						
672243.002	L 225, B 225, H 3, HE 35	1 x LED 18 W	830	1600 / 1600 lm		
672243.002.89	L 225, B 225, H 3, HE 40	1 x LED 18 W	830	1600 / 1600 lm	AC-Control	
672243.002.1	L 225, B 225, H 3, HE 35	1 x LED 18 W	840	1650 / 1650 lm		
672243.002.1.89	L 225, B 225, H 3, HE 40	1 x LED 18 W	840	1650 / 1650 lm	AC-Control	
Ceiling cut out LA 280 x BA 280 mm						
672244.002	L 300, B 300, H 3, HE 35	1 x LED 24 W	830	2100 / 2100 lm		
672244.002.89	L 300, B 300, H 3, HE 40	1 x LED 24 W	830	2100 / 2100 lm	AC-Control	
672244.002.1	L 300, B 300, H 3, HE 35	1 x LED 24 W	840	2200 / 2200 lm		
672244.002.1.89	L 300, B 300, H 3, HE 40	1 x LED 24 W	840	2200 / 2200 lm	AC-Control	



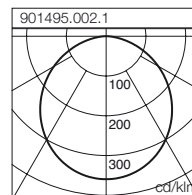


TOLEDO FLAT

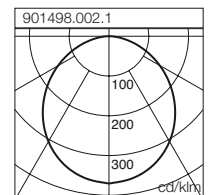
Surface mounted downlights

- 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
- Good colour consistency within 4-steps MacAdam (4 SDCM)
- Colour temperature 3000 K and 4000 K
- Applications:
Corridors, side rooms, hotels, restaurants, conference rooms, private rooms

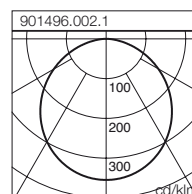
901495.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
16	24	32
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
23	35	58



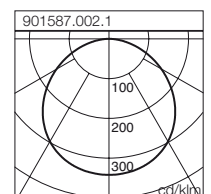
901498.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
3	5	6
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
5	7	11



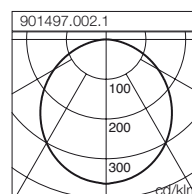
901496.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
8	12	16
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
12	17	29



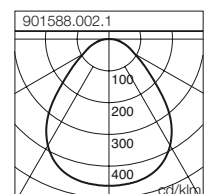
901587.002.1		
Floor 12 x 2,5 x 3m (0,2m)		
100 lx	150 lx	200 lx
2	3	4
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
3	4	7



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 | Series: Toledo Flat Round

 Type of Protection: **IP 40**

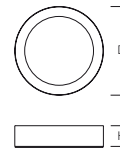
Protection Class: II

Impact Protection: IK06

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

LED and LED converter included.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dim-able	EB	CB	EEC
Surface mounted downlights										
Diffuser: plastic, opal										
Diameter D 150 mm										
901495.002	D 150, H 57	LED	830	390 lm	5 W	110°	26,4	on/off	✓	A+ A+
901495.002.1	D 150, H 57	LED	840	410 lm	5 W	110°	26,4	on/off	✓	A+ A+
Diameter D 192 mm										
901496.002	D 192, H 58	LED	830	740 lm	9 W	110°	26,2	on/off	✓	A+ A+
901496.002.76	D 192, H 58	LED	830	740 lm	9 W	110°	26,2	DALI	✓	A+ A+
901496.002.1	D 192, H 58	LED	840	840 lm	9 W	110°	26,6	on/off	✓	A+ A+
901496.002.1.76	D 192, H 58	LED	840	840 lm	9 W	110°	26,6	DALI	✓	A+ A+
Diameter D 257 mm										
901497.002..Q	D 257, H 63	LED	830	1650 lm	17,8 W	110°	26,5	on/off	✓	A+ A+
901497.002.76	D 257, H 63	LED	830	1650 lm	17,8 W	110°	26,5	DALI	✓	A+ A+
901497.002.1..Q	D 257, H 63	LED	840	1700 lm	17,8 W	110°	26,6	on/off	✓	A+ A+
901497.002.1.76	D 257, H 63	LED	840	1700 lm	17,8 W	110°	26,6	DALI	✓	A+ A+
Diameter D 319 mm										
901498.002	D 319, H 63	LED	830	2200 lm	23 W	108°	25,6	on/off	✓	A+ A+
901498.002.76	D 319, H 63	LED	830	2200 lm	23 W	108°	25,6	DALI	✓	A+ A+
901498.002.1	D 319, H 63	LED	840	2300 lm	23 W	108°	25,7	on/off	✓	A+ A+
901498.002.1.76	D 319, H 63	LED	840	2300 lm	23 W	108°	25,7	DALI	✓	A+ A+
Diameter D 500 mm										
901587.002	D 500, H 63	LED	830	3600 lm	35 W	113°	23,9	on/off		A+ A+
901587.002.76	D 500, H 63	LED	830	3600 lm	35 W	113°	23,9	DALI		A+ A+
901587.002.1	D 500, H 63	LED	840	3600 lm	35 W	113°	23,9	on/off		A+ A+
901587.002.1.76	D 500, H 63	LED	840	3600 lm	35 W	113°	23,9	DALI		A+ A+
Diffuser: transparent plastic, microprismatic										
Diameter D 500 mm										
901588.002	D 500, H 63	LED	830	3500 lm	35 W	88°	21,1	on/off		A+ A+
901588.002.76	D 500, H 63	LED	830	3500 lm	35 W	88°	21,1	DALI		A+ A+
901588.002.1	D 500, H 63	LED	840	3600 lm	35 W	88°	21,4	on/off		A+ A+
901588.002.1.76	D 500, H 63	LED	840	3600 lm	35 W	88°	21,4	DALI		A+ A+

Price Category 21
Comparison LED vs. conventional lamps
LED 5 W ≈
 1 x 10 W TC-D (16 W CB)

LED 9 W ≈
 1 x 18 W TC-D (26 W CB)

LED 17,8 W ≈
 1 x 32 W TC-D (36 W CB)

LED 23 W ≈
 2 x 26 W TC-D (68 W CB)

LED 35 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)

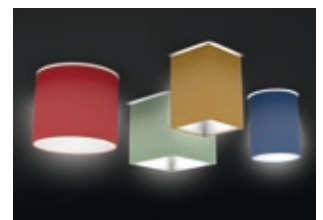
Accessories | Supporting ring for fabric lamp shades

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

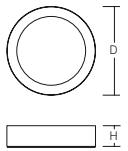
Ring metal powder coated. M4 Threaded. Knurled nuts plastic.

Mounting ring for fabric lamp shades
Price Category 21

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



A suitable lamp shade can be found on page 26-27



Surface mounted downlights | Series: Toledo Flat Round

Type of Protection: **IP 40**
Protection Class: I

For escape route illumination

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

LED and LED converter included.

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	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Rated operating time	Emergency Lighting System	Price Category 23
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Self-contained safety luminaires

Diameter D 257 mm

672271.002	D 257, H 63	1 x LED 18 W	830	1650 / 450 lm	3 h	autotest	
672271.002.04	D 257, H 63	1 x LED 18 W	830	1650 / 450 lm	3 h	MultiDigit	
672271.002.07	D 257, H 63	1 x LED 18 W	830	1650 / 450 lm	3 h	DALI-Sibe	
672272.002	D 257, H 63	1 x LED 18 W	830	1650 / 180 lm	8 h	autotest	
672272.002.04	D 257, H 63	1 x LED 18 W	830	1650 / 180 lm	8 h	MultiDigit	
672272.002.07	D 257, H 63	1 x LED 18 W	830	1650 / 180 lm	8 h	DALI-Sibe	
672271.002.1	D 257, H 63	1 x LED 18 W	840	1700 / 460 lm	3 h	autotest	
672271.002.1.04	D 257, H 63	1 x LED 18 W	840	1700 / 460 lm	3 h	MultiDigit	
672271.002.1.07	D 257, H 63	1 x LED 18 W	840	1700 / 460 lm	3 h	DALI-Sibe	
672272.002.1	D 257, H 63	1 x LED 18 W	840	1700 / 180 lm	8 h	autotest	
672272.002.1.04	D 257, H 63	1 x LED 18 W	840	1700 / 180 lm	8 h	MultiDigit	
672272.002.1.07	D 257, H 63	1 x LED 18 W	840	1700 / 180 lm	8 h	DALI-Sibe	

Diameter D 319 mm

672273.002	D 319, H 63	1 x LED 24 W	830	2200 / 430 lm	3 h	autotest	
672273.002.04	D 319, H 63	1 x LED 24 W	830	2200 / 430 lm	3 h	MultiDigit	
672273.002.07	D 319, H 63	1 x LED 24 W	830	2200 / 430 lm	3 h	DALI-Sibe	
672274.002	D 319, H 63	1 x LED 24 W	830	2200 / 180 lm	8 h	autotest	
672274.002.04	D 319, H 63	1 x LED 24 W	830	2200 / 180 lm	8 h	MultiDigit	
672274.002.07	D 319, H 63	1 x LED 24 W	830	2200 / 180 lm	8 h	DALI-Sibe	
672273.002.1	D 319, H 63	1 x LED 24 W	840	2300 / 440 lm	3 h	autotest	
672273.002.1.04	D 319, H 63	1 x LED 24 W	840	2300 / 440 lm	3 h	MultiDigit	
672273.002.1.07	D 319, H 63	1 x LED 24 W	840	2300 / 440 lm	3 h	DALI-Sibe	
672274.002.1	D 319, H 63	1 x LED 24 W	840	2300 / 180 lm	8 h	autotest	
672274.002.1.04	D 319, H 63	1 x LED 24 W	840	2300 / 180 lm	8 h	MultiDigit	
672274.002.1.07	D 319, H 63	1 x LED 24 W	840	2300 / 180 lm	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	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Monitoring module	Price Category 24
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Luminaires for central battery system

Diameter D 150 mm

672290.002	D 150, H 57	1 x LED 5 W	830	390 / 450 lm		
672290.002.89	D 150, H 57	1 x LED 5 W	830	390 / 450 lm		AC-Control
672290.002.1	D 150, H 57	1 x LED 5 W	840	410 / 450 lm		
672290.002.1.89	D 150, H 57	1 x LED 5 W	840	410 / 450 lm		AC-Control

Diameter D 192 mm

672279.002	D 192, H 58	1 x LED 9 W	830	770 / 770 lm		
672279.002.89	D 192, H 58	1 x LED 9 W	830	770 / 770 lm		AC-Control
672279.002.1	D 192, H 58	1 x LED 9 W	840	840 / 840 lm		
672279.002.1.89	D 192, H 58	1 x LED 9 W	840	840 / 840 lm		AC-Control

Diameter D 257 mm

672280.002	D 257, H 63	1 x LED 18 W	830	1650 / 1650 lm		
672280.002.89	D 257, H 63	1 x LED 18 W	830	1650 / 1650 lm		AC-Control
672280.002.1	D 257, H 63	1 x LED 18 W	840	1700 / 1700 lm		
672280.002.1.89	D 257, H 63	1 x LED 18 W	840	1700 / 1700 lm		AC-Control

Diameter D 319 mm

672281.002	D 319, H 63	1 x LED 24 W	830	2200 / 2200 lm		
672281.002.89	D 319, H 63	1 x LED 24 W	830	2200 / 2200 lm		AC-Control
672281.002.1	D 319, H 63	1 x LED 24 W	840	2300 / 2300 lm		
672281.002.1.89	D 319, H 63	1 x LED 24 W	840	2300 / 2300 lm		AC-Control





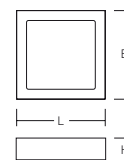
Surface mounted downlights | Series: Toledo Flat Square

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 plastic cover made of non-yellowing PMMA, opal matt.

LED and LED converter included.

Available colour: white



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 17,8 W ≈
 1 x 32 W TC-D (36 W CB)

LED 22 W ≈
 2 x 26 W TC-D (68 W CB)

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	UGR	dim-able	EB	CB	EEC	Price Category 21
Surface mounted downlights											
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°	28,2	on/off	✓	A+ A+	
901551.002.1	L 110, B 110, H 58	LED	840	390 lm	4,7 W	107°	28,4	on/off	✓	A+ 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°	25,8	on/off	✓	A+ A+	
901552.002.76	L 172, B 172, H 58	LED	830	730 lm	8 W	108°	25,8	DALI		A+ A+	
901552.002.1	L 172, B 172, H 58	LED	840	750 lm	8 W	108°	25,8	on/off	✓	A+ A+	
901552.002.1.76	L 172, B 172, H 58	LED	840	750 lm	8 W	108°	25,8	DALI		A+ A+	
Length L 225 mm x Width B 225 mm											
901553.002	L 225, B 225, H 58	LED	830	1600 lm	17,8 W	108°	26,0	on/off	✓	A+ A+	
901553.002.76	L 225, B 225, H 58	LED	830	1600 lm	17,8 W	108°	26,0	DALI		A+ A+	
901553.002.1	L 225, B 225, H 58	LED	840	1650 lm	17,8 W	108°	26,1	on/off	✓	A+ A+	
901553.002.1.76	L 225, B 225, H 58	LED	840	1650 lm	17,8 W	108°	26,1	DALI		A+ 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°	24,4	on/off	✓	A+ A+	
901554.002.76	L 300, B 300, H 58	LED	830	2050 lm	22 W	108°	24,4	DALI		A+ A+	
901554.002.1 .Q	L 300, B 300, H 58	LED	840	2200 lm	22 W	108°	24,6	on/off	✓	A+ A+	
901554.002.1.76	L 300, B 300, H 58	LED	840	2200 lm	22 W	108°	24,6	DALI		A+ A+	



L x B 110



L x B 172



L x B 225



L x B 300




Surface mounted downlights | Series: Toledo Flat Square

Type of Protection: **IP 40**
Protection Class: I

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.

LED and LED converter included.

Available colour: white

Self-contained safety luminaires

Voltage type: AC

Automatic self test in all standard versions.

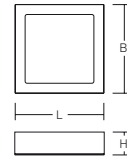
Operating mode: Can either be connected in non-maintained power mode (BS) or in maintained power mode (DS).

Ballast mains/emergency: EB

Luminaires for central battery system

Voltage type: AC/DC

Ballast: EB



Reference number	Dimensions	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Rated operating time	Emergency Lighting System
Self-contained safety luminaires						
Price Category 23						
Length L 225 mm x Width B 225 mm						
672275.002	L 225, B 225, H 58	1 x LED 18 W	830	1600 / 440 lm	3 h	autotest
672275.002.04	L 225, B 225, H 58	1 x LED 18 W	830	1600 / 440 lm	3 h	MultiDigit
672275.002.07	L 225, B 225, H 58	1 x LED 18 W	830	1600 / 440 lm	3 h	DALI-Sibe
672276.002	L 225, B 225, H 58	1 x LED 18 W	830	1600 / 170 lm	8 h	autotest
672276.002.04	L 225, B 225, H 58	1 x LED 18 W	830	1600 / 170 lm	8 h	MultiDigit
672276.002.07	L 225, B 225, H 58	1 x LED 18 W	830	1600 / 170 lm	8 h	DALI-Sibe
672275.002.1	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 450 lm	3 h	autotest
672275.002.1.04	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 450 lm	3 h	MultiDigit
672275.002.1.07	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 450 lm	3 h	DALI-Sibe
672276.002.1	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 180 lm	8 h	autotest
672276.002.1.04	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 180 lm	8 h	MultiDigit
672276.002.1.07	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 180 lm	8 h	DALI-Sibe
Length L 300 mm x Width B 300 mm						
672277.002	L 300, B 300, H 58	1 x LED 24 W	830	2100 / 420 lm	3 h	autotest
672277.002.04	L 300, B 300, H 58	1 x LED 24 W	830	2100 / 420 lm	3 h	MultiDigit
672277.002.07	L 300, B 300, H 58	1 x LED 24 W	830	2100 / 420 lm	3 h	DALI-Sibe
672278.002	L 300, B 300, H 58	1 x LED 24 W	830	2050 / 170 lm	8 h	autotest
672278.002.04	L 300, B 300, H 58	1 x LED 24 W	830	2050 / 170 lm	8 h	MultiDigit
672278.002.07	L 300, B 300, H 58	1 x LED 24 W	830	2050 / 170 lm	8 h	DALI-Sibe
672277.002.1	L 300, B 300, H 58	1 x LED 24 W	840	2200 / 430 lm	3 h	autotest
672277.002.1.04	L 300, B 300, H 58	1 x LED 24 W	840	2200 / 430 lm	3 h	MultiDigit
672277.002.1.07	L 300, B 300, H 58	1 x LED 24 W	840	2200 / 430 lm	3 h	DALI-Sibe
672278.002.1	L 300, B 300, H 58	1 x LED 24 W	840	2200 / 180 lm	8 h	autotest
672278.002.1.04	L 300, B 300, H 58	1 x LED 24 W	840	2200 / 180 lm	8 h	MultiDigit
672278.002.1.07	L 300, B 300, H 58	1 x LED 24 W	840	2200 / 180 lm	8 h	DALI-Sibe

Reference number	Dimensions	Lamp	Light colour	Luminaire luminous flux Mains/Emergency	Monitoring module
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	1 x LED 5 W	830	410 / 410 lm	
672259.002.89	L 110, B 110, H 58	1 x LED 5 W	830	410 / 410 lm	AC-Control
672259.002.1	L 110, B 110, H 58	1 x LED 5 W	840	430 / 430 lm	
672259.002.1.89	L 110, B 110, H 58	1 x LED 5 W	840	430 / 430 lm	AC-Control
Length L 172 mm x Width B 172 mm					
672267.002	L 172, B 172, H 58	1 x LED 9 W	830	730 / 790 lm	
672267.002.89	L 172, B 172, H 58	1 x LED 9 W	830	730 / 790 lm	AC-Control
672267.002.1	L 172, B 172, H 58	1 x LED 9 W	840	750 / 750 lm	
672267.002.1.89	L 172, B 172, H 58	1 x LED 9 W	840	750 / 750 lm	AC-Control
Length L 225 mm x Width B 225 mm					
672268.002	L 225, B 225, H 58	1 x LED 18 W	830	1650 / 1650 lm	
672268.002.89	L 225, B 225, H 58	1 x LED 18 W	830	1650 / 1650 lm	AC-Control
672268.002.1	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 1650 lm	
672268.002.1.89	L 225, B 225, H 58	1 x LED 18 W	840	1650 / 1650 lm	AC-Control
Length L 300 mm x Width B 300 mm					
672269.002	L 300, B 300, H 58	1 x LED 24 W	830	2100 / 2100 lm	
672269.002.89	L 300, B 300, H 58	1 x LED 24 W	830	2100 / 2100 lm	AC-Control
672269.002.1	L 300, B 300, H 58	1 x LED 24 W	840	2300 / 2300 lm	
672269.002.1.89	L 300, B 300, H 58	1 x LED 24 W	840	2250 / 2250 lm	AC-Control


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 8h according to DIN V VDE V 0108-100

8h





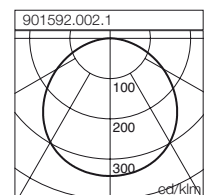
TOLEDO FLAT

Recessed ceiling luminaires

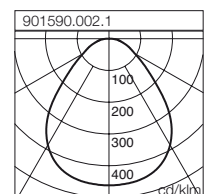
- Extension of the highly successful LED downlight range as recessed luminaire for grid ceilings
- Extra flat design
- Plastic cover made of non-yellowing PMMA, opal matt or micro prismatic
- LED rated life 50,000 h (L70, B10)
- Colour rendering index Ra > 80
- Good colour consistency within 4-steps MacAdam (4 SDCM)
- Colour temperature 3,000 K and 4,000 K

- Separate converter box with connecting cable
- Converter for standard (on/off) or DALI dimmable
- DALI converter is compatible with DC, suitable for central emergency power supply purposes
- Areas of application: Offices, meeting rooms, corridors, side rooms

901592.002.1		
Floor 12 x 2,5 x 3 m (0,2 m)		
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



901590.002.1		
Floor 12 x 2,5 x 3 m (0,2 m)		
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



Lay-in luminaires | Series: Toledo Flat

Type of Protection: **IP 40**
 Protection Class: II
 Impact Protection: IK06

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

LED and LED converter included.

Available colour: white



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	α	UGR	dim-able	EEC
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Lay-in luminaires for grid ceilings
Price Category 21
Module 600
Diffuser: plastic (PMMA), opal

901591.002	L 595, B 595, H 6, HE 43	LED	830	3600 lm	35 W	113°	23,9	on/off	A+ A+
901591.002.76	L 595, B 595, H 6, HE 43	LED	830	3600 lm	35 W	113°	23,9	DALI	A+ A+
901591.002.1	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,9	on/off	A+ A+
901591.002.1.76	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,9	DALI	A+ A+

Diffuser: plastic (PMMA), transparent microprismatic

901589.002	L 595, B 595, H 6, HE 43	LED	830	3500 lm	35 W	88°	21,1	on/off	A+ A+
901589.002.76	L 595, B 595, H 6, HE 43	LED	830	3500 lm	35 W	88°	21,1	DALI	A+ A+
901589.002.1	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	88°	21,4	on/off	A+ A+
901589.002.1.76	L 595, B 595, H 6, HE 43	LED	840	3600 lm	35 W	88°	21,4	DALI	A+ A+

Module 625
Diffuser: plastic (PMMA), opal

901592.002	L 622, B 622, H 6, HE 43	LED	830	3600 lm	35 W	113°	23,9	on/off	A+ A+
901592.002.76	L 622, B 622, H 6, HE 43	LED	830	3600 lm	35 W	113°	23,9	DALI	A+ A+
901592.002.1	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,9	on/off	A+ A+
901592.002.1.76	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	113°	23,9	DALI	A+ A+

Diffuser: plastic (PMMA), transparent microprismatic

901590.002	L 622, B 622, H 6, HE 43	LED	830	3500 lm	35 W	88°	21,1	on/off	A+ A+
901590.002.76	L 622, B 622, H 6, HE 43	LED	830	3500 lm	35 W	88°	21,1	DALI	A+ A+
901590.002.1	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	88°	21,4	on/off	A+ A+
901590.002.1.76	L 622, B 622, H 6, HE 43	LED	840	3600 lm	35 W	88°	21,4	DALI	A+ A+

Comparison LED vs. conventional lamps
LED 35 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)

Accessories | Chintz decorative cylinder Toledo Flat

Standard colour covering surface: 66.8003.01 white

Other colours (see illustration 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



with diffuser



without diffuser

Reference number	Dimensions
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Chintz lampshades

982323.002	D 500, H 60	Chintz decorative cylinder for Toledo Flat Round D 495	Price Category 21
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Cannot be fitted with surface mount housing

Satin finish polycarbonate diffuser (optional)

Can be installed on the decorative cylinder without any tools **Price Category 21**

982328.002	D 498, H 4	Accessories for chintz decorative cylinder D 500
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Fabric lampshades chintz

Colour chart **Price Category 21**

W06630	Chintz lampshades are available in more than 70 different colours
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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.

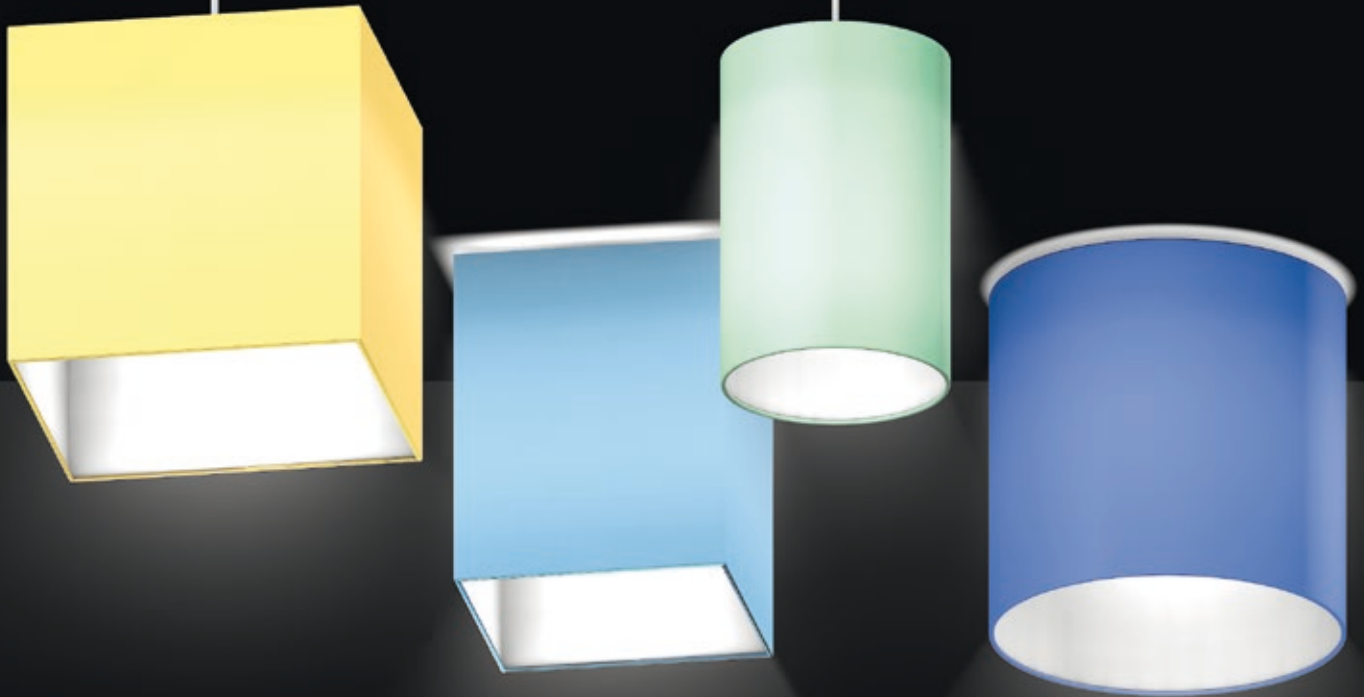
The numerous versions available with the highly efficient LED basic luminaire and the attractive value for money of this downlight are what make the RZB TOLEDO FLATLINER a versatile and economical all-rounder. The ideal solution can be put together from a choice of four different sizes, four luminous 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.







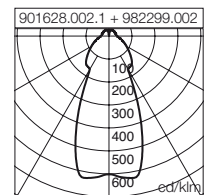
TOLEDO FLATLINER

Ceiling luminaires, Pendant luminaires

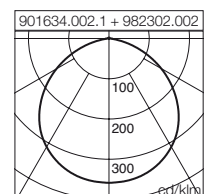
- Decorative fabric lampshade luminaire for room design
- The basic luminaire for fabric lampshades is the Toledo Flat series
- More than 70 different standard colours to choose for the fabric lampshade
- Standard cylinder and cuboid shapes
- Material of fabric lampshade chintz or optionally also hardy 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
- Good colour consistency within 4-steps MacAdam (4 SDCM)
- Colour temperature 3,000 K and 4,000 K
- Converter for standard (on/off) or DALI dimmable
- DALI converter is compatible with DC, suitable for central emergency power supply purposes
- Ceiling or pendant mounting
- Customised solutions are available on request. Huge choice of shapes, fabrics and prints.

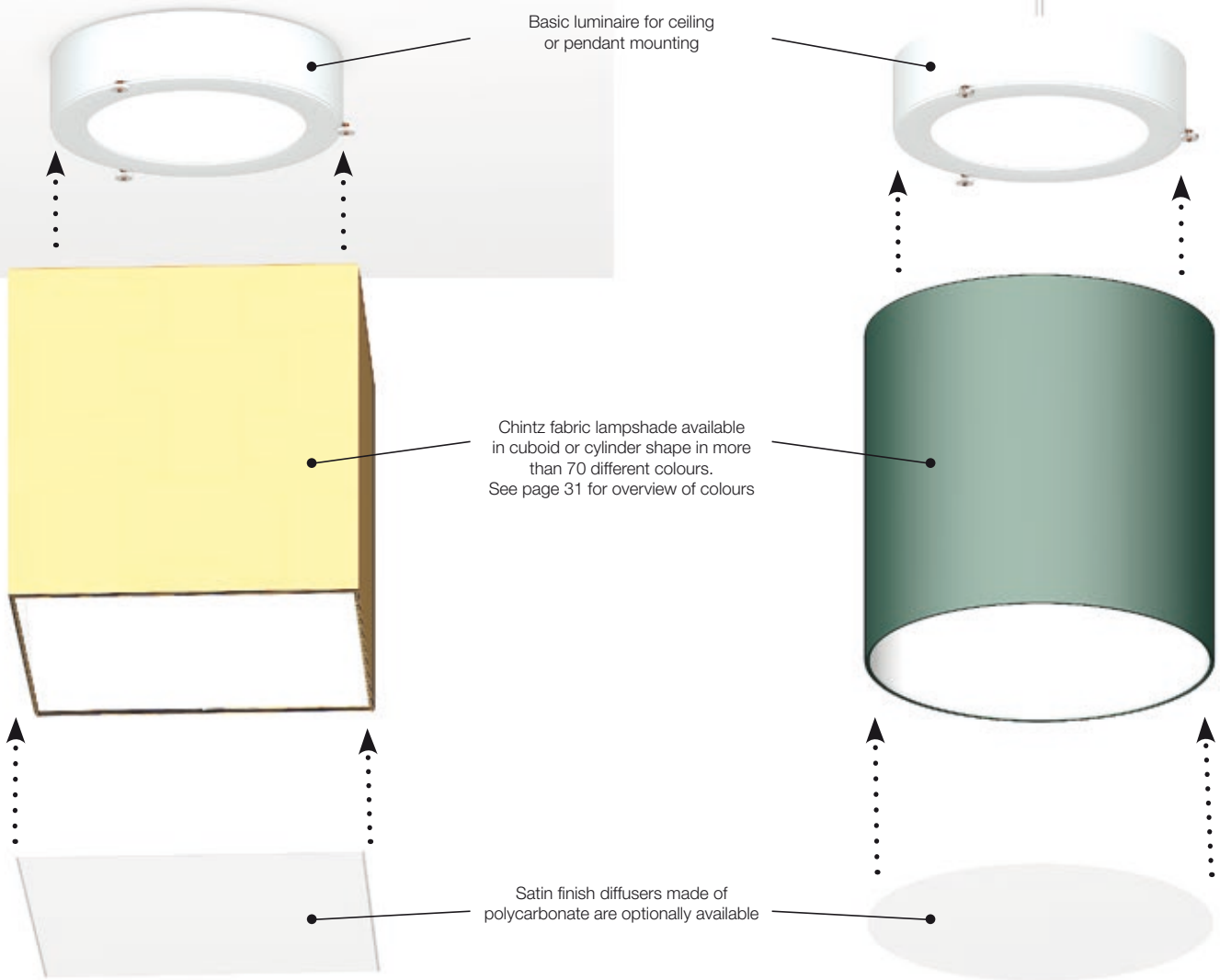
901628.002.1 + 982299.002		
Floor 12 x 2,5 x 3 m (0,2 m)		
100 lx	150 lx	200 lx
21	32	42
Room 6 x 4 x 3 m (0,75 m)		
200 lx	300 lx	500 lx
31	46	76



901634.002.1 + 982302.002		
Floor 12 x 2,5 x 3 m (0,2 m)		
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	6	10



Variations Toledo Flatliner





Fabric lampshade luminaires | Series: 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 plastic cover made of non-yellowing PMMA, opal matt. Lampshades can be mounted without tools. Ceiling mounting.

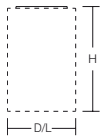
Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white

Other colours (see illustration page 31) 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



Comparison LED vs. conventional lamps

LED 5 W ≈
1 x 10 W TC-D (16 W CB)



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							
Toledo Flatliner 200, ceiling mounting							
901628.002	D 160, H 65	LED	830	260 lm	5 W	on/off	A+ A+
901628.002.1	D 160, H 65	LED	840	300 lm	5 W	on/off	A+ A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades								Price Category 21
Toledo Flatliner 200								
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
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						

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	dim-able	EEC
Basic luminaire for lampshade attachment							
Toledo Flatliner 242, ceiling mounting							
901630.002	D 202, H 65	LED	830	530 lm	9 W	on/off	A+ A+
901630.002.76	D 202, H 65	LED	830	530 lm	9 W	DALI	A+ A+
901630.002.1	D 202, H 65	LED	840	650 lm	9 W	on/off	A+ A+
901630.002.1.76	D 202, H 65	LED	840	650 lm	9 W	DALI	A+ A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades								Price Category 21
Toledo Flatliner 242								
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
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						

Comparison LED vs. conventional lamps

LED 17,8 W ≈
2 x 18 W TC-D (52 W CB)



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							
Toledo Flatliner 307, ceiling mounting							
901632.002	D 268, H 70	LED	830	1250 lm	17,8 W	on/off	A+ A+
901632.002.76	D 268, H 70	LED	830	1250 lm	17,8 W	DALI	A+ A+
901632.002.1	D 268, H 70	LED	840	1400 lm	17,8 W	on/off	A+ A+
901632.002.1.76	D 268, H 70	LED	840	1400 lm	17,8 W	DALI	A+ A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades								Price Category 21
Toledo Flatliner 307								
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
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						

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	1750 lm	23 W	on/off	A+ A+
901634.002.76	D 330, H 70	LED	830	1750 lm	23 W	DALI	A+ A+
901634.002.1	D 330, H 70	LED	840	1950 lm	23 W	on/off	A+ A+
901634.002.1.76	D 330, H 70	LED	840	1950 lm	23 W	DALI	A+ A+
Indication of luminaire flux when using the white fabric lampshade.							
Chintz lampshades							
Price Category 21							
Toledo Flatliner 369							
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							
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
Fabric lampshades chintz							
Price Category 21							
Colour chart							
W06630	Chintz lampshades are available in more than 70 different colours						

**Comparison
LED vs. conventional lamps**

LED 23 W ≈
2 x 26 W TC-D (68 W CB)





Fabric lampshade luminaires | Series: 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 plastic cover 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.

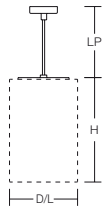
Standard colour covering surface Chintz fabric lampshade: 66.8003.01 white

**Other colours (see illustration page 31) 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



Comparison LED vs. conventional lamps

LED 5 W ≈
 1 x 10 W TC-D (16 W CB)



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

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							
Toledo Flatliner 200							
982299.002	D 200, H 300	Cylinder shape					
982309.002	L 200, B 200, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							
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					

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	dim-able	EEC
Basic luminaire for lampshade attachment							
Toledo Flatliner 242, pendant length LP 2000 mm							
901631.002	D 204, H 91	LED	830	530 lm	9 W	on/off	A+ A+
901631.002.76	D 204, H 91	LED	830	530 lm	9 W	DALI	A+ A+
901631.002.1	D 204, H 91	LED	840	650 lm	9 W	on/off	A+ A+
901631.002.1.76	D 204, H 91	LED	840	650 lm	9 W	DALI	A+ A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							
Toledo Flatliner 242							
982300.002	D 242, H 300	Cylinder shape					
982310.002	L 242, B 242, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							
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					

Comparison LED vs. conventional lamps

LED 17,8 W ≈
 2 x 18 W TC-D (52 W CB)



Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							
Toledo Flatliner 307, pendant length LP 2000 mm							
901633.002	D 270, H 96	LED	830	1250 lm	17,8 W	on/off	A+ A+
901633.002.76	D 270, H 96	LED	830	1250 lm	17,8 W	DALI	A+ A+
901633.002.1	D 270, H 96	LED	840	1400 lm	17,8 W	on/off	A+ A+
901633.002.1.76	D 270, H 96	LED	840	1400 lm	17,8 W	DALI	A+ A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							
Toledo Flatliner 307							
982301.002	D 307, H 300	Cylinder shape					
982311.002	L 307, B 307, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							
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					

Reference number	Dimensions	Lamp	Light colour	Luminaire flux	System power	dim-able	EEC
Basic luminaire for lampshade attachment							
Toledo Flatliner 369, pendant length LP 2000 mm							
901635.002	D 331, H 96	LED	830	1750 lm	23 W	on/off	A+ A+
901635.002.1	D 331, H 96	LED	840	1950 lm	23 W	on/off	A+ A+
901635.002.76	D 331, H 98	LED	830	1750 lm	23 W	DALI	A+ A+
901635.002.1.76	D 331, H 98	LED	840	1950 lm	23 W	DALI	A+ A+

Indication of luminaire flux when using the white fabric lampshade.

Chintz lampshades							
Toledo Flatliner 369							
982302.002	D 369, H 300	Cylinder shape					
982312.002	L 369, B 369, H 300	Cuboid shape					

Satin finish polycarbonate diffuser (optional)							
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					

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

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



10.2018



RZB
Rudolf Zimmermann,
Bamberg GmbH

Rheinstr. 16
96052 Bamberg
Germany

Phone +49 951/79 09-374
Fax +49 951/79 09-212

www.rzb-lighting.com
export@rzb.eu



Member of **licht.de**