

Technical information



Tender text

- Indoor wall and ceiling, surface-mounted luminaire
- Efficient replacement of CFL luminaires:
900lm: 1x18W (saves up to 60% energy)/ 1x26W (58%) CFL
1.800lm: 2x18W (60%)/ 1x32W (55%)/ 1x42W (54%) CFL
- 5 luminaire types:
 - On/ off 3000K/ 900lm
 - On/ off 4000K/ 900lm
 - On/ off 3000K/ 1.800lm
 - On/ off 4000K/ 1.800lm
 - LTFY TW/ 1.800lm
- Primary optical cover: PC; light emission direct distribution
- LED luminous flux: 900lm or 1.800lm
Color temperature: 3.000K, 4.000K/ 2.700-6500K (TW)
- Control gear: integrated ECG, with 2-pole integrated terminal
- AC Module
- Mains connection: U = 220..240V; P = 9W/ 18W/ 22W due to the type; 50/60Hz
- Center cover: PC
Diffusor: PC
Reverse: Steel sheet
Dimensions: $\varnothing$ 380 mm x 28 mm
- Protection rating (complete): IP40
- Insulation class (complete): II
- 2 accessory types:
 - Emergency Kit with 3h single battery
 - Wall mount for side cable entry and strain relief
- Certification: CE

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A) Technical Information	

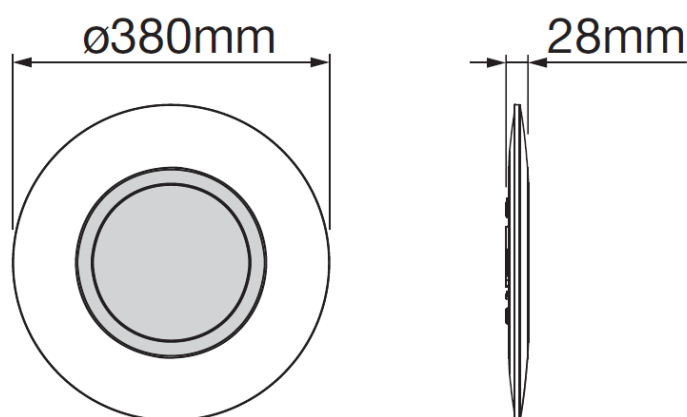
1) Housing, Mounting and Accessories

Luminaire:

- Center cover: PC, dust gray RAL 7037
- Diffusor: PC, opal
- Reverse: Steel sheet, powder coated, white
- Dimensions: $\varnothing 380$ mm x 28 mm

Product name	RONDEL flat 900lm	RONDEL flat 1.800lm	RONDEL flat TW
Center cover material	PC, dust gray RAL 7037	PC, dust gray RAL 7037	PC, dust gray RAL 7037
Diffuser material	PC (opal)	PC (opal)	PC (opal)
Reverse	Steel sheet, powder coated, white	Steel sheet, powder coated, white	Steel sheet, powder coated, white
Adjustable	No	No	No
Dimmable	No	No	Yes
Touch switch	-	-	-
Diameter [mm]	$\varnothing 380$	$\varnothing 380$	$\varnothing 380$
Height h [mm]	28	28	28
Net weight [g]	1.500	1.500	1.500
Protection class	II	II	II
Type of protection (IP code)	IP 40	IP 40	IP 40
Glow Wire Test acc. to IEC 695-2-1	650°C	650°C	650°C
Shock resistance (IK code)	IK 03	IK 03	IK 03
Approval marks	CE	CE	CE

Luminaire



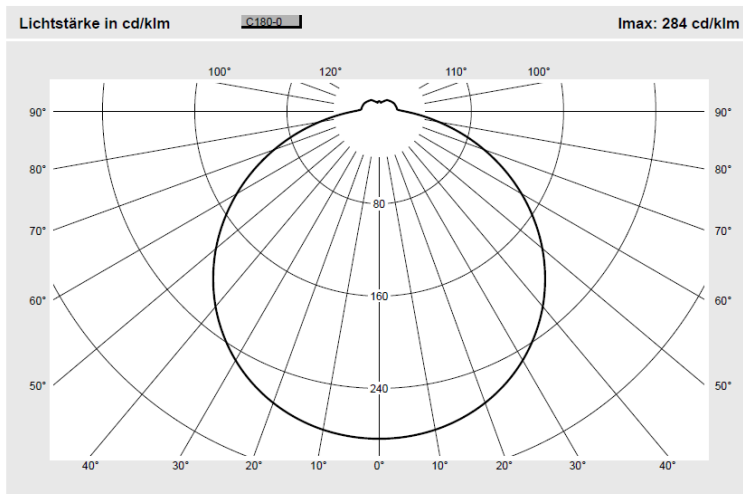
2) Electrical Installation

Product name	RONDEL flat 900lm	RONDEL flat 1.800lm	RONDEL flat TW
ECG	Integrated ECG	Integrated ECG	Integrated ECG
Power Factor	>0,5	>0,5	>0,9
Effective wattage [W]	9W	18W	22W (@4000K)
Effective voltage [V]	230	230	230
Rated current [A]	0,08mA	0,16mA	tbd
Mains voltage [V]	220...240	220...240	220...240
Mains frequency [Hz]	50/60	50/60	50/60
Standby [W]	-	-	< 0,5
Type of connector	Integrated spring cable clamp (screwless)		
Switching cycles	-	-	-
Circuit Breaker	Amount of luminaires		
B10	37	20	16
B13	48	26	22
B16	60	33	27
B20	75	41	33
C10	62	34	26
C13	102	44	33
C16	124	56	45
C20	156	68	55

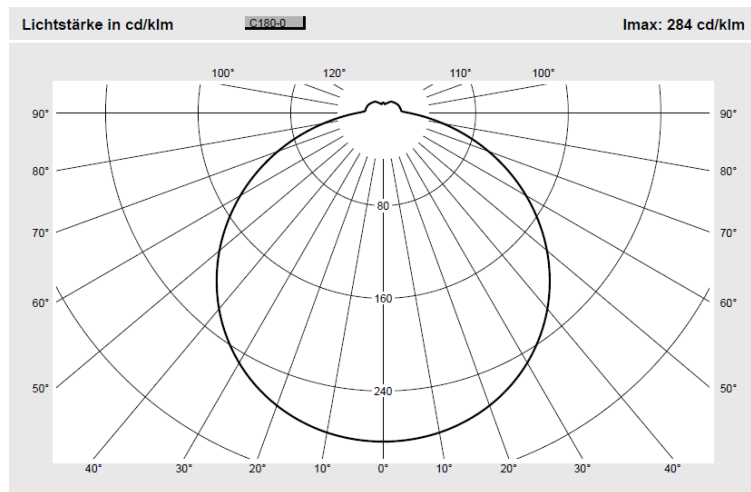
3) Optical features

Product name	RONDEL flat 900lm	RONDEL flat 1.800lm	RONDEL flat TW
Equipped with Lamp	Yes (LED Module)	Yes (LED Module)	Yes (LED Module)
Lamp type	LED	LED	LED
MacAdams	≤ 5	≤ 5	≤ 5
Number of LED	100 pieces LED	100 pieces LED	72 pieces LED
Lifetime of LED / Luminaire [h]	50.000 (L70/B50 @ 25°C)	50.000 (L70/B50 @ 25°C)	50.000 (L70/B50 @ 25°C)
Color Rendering Index CRI	≥ 80	≥ 80	≥ 80
Color Temperature CCT	3.000K / 4000K ± 10 %	3.000K / 4000K ± 10 %	2.700-6500K ± 10 %
Luminous Flux [lm]	900lm	1800lm	1800lm (@4000K)

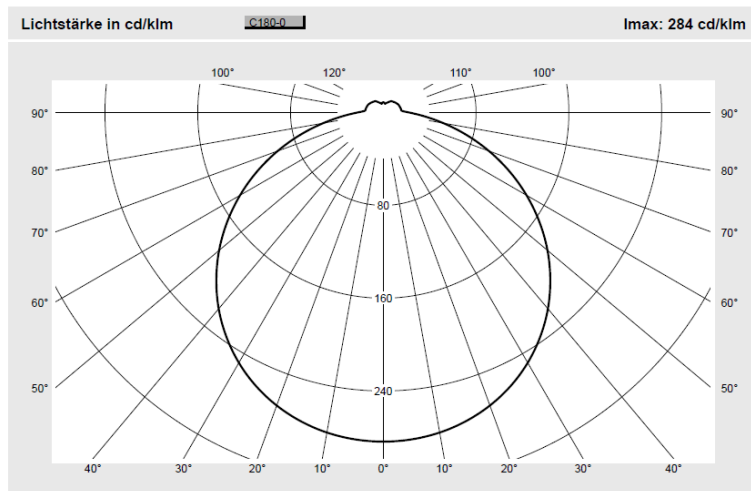
RONDEL flat 900lm



RONDEL flat 1.800lm



LTFY RONDEL flat 1.800lm TW



4) Control

Product name	RONDEL flat 900lm	RONDEL flat 1.800lm	RONDEL flat TW
Ballast / Control gear	Integrated ECG	Integrated ECG	Integrated ECG
Communication interface	No	No	Lightify
Color control	No	No	Yes
Dimmable	No	No	Yes
Through wiring	Possible with separate terminal	Possible with separate terminal	Possible with separate terminal
Energy Efficiency Index EEI (LED Module)	A++	A++	A++

B) Logistic Data

Product name	EAN 010	MLFB	Quantity per VSE
RONDEL flat - 900lm 4.000K	4052899987562	0MD5307L0940	4x1
RONDEL flat - 900lm 3.000K	4052899987586	0MD5307L0930	4x1
RONDEL flat - 1800lm 4.000K	4052899987500	0MD5307L1840	4x1
RONDEL flat - 1800lm 3.000K	4052899987524	0MD5307L1830	4x1
LTFY RONDEL flat - 1800lm TW	4052899987548	0MD530LL18TW	4x1

Acessory

RONDEL flat Emergency Kit 3h single battery	4052899987609	0MD5303B	4x1
RONDEL flat JUT OUT	4052899987623	0MD5300D	4x1
RONDEL flat Sensor	tbd	0MD5301S	4x1
RONDEL flat Pendant	tbd	0MD5300P	4x1