



Features

- Ceiling / wall luminaire with integrated LED. Perfect solution for hallways, circulation spaces or foyers. Body Size diameter 400mm. Besa mounting box compatible, hole distance 51 & 78mm. DualTone functionality enables switch between 3000K and 4000K colour temperatures. With the help of DIP Switch multiple lumen outputs can be set up in 4 steps (4000K: 24W 2500lm, 28W 3000lm, 32W 3500lm, 36W 4000lm). Efficacy up to 111lm/W. Non-dimmable. Equipped with integrated self test 3 hours LiFePO4 emergency kit. Lumen output in emergency mode: 400lm (3000K) / 430lm (4000K). IK03, IP54. Low maintenance with lifespan 120,000 hours L70:B50.

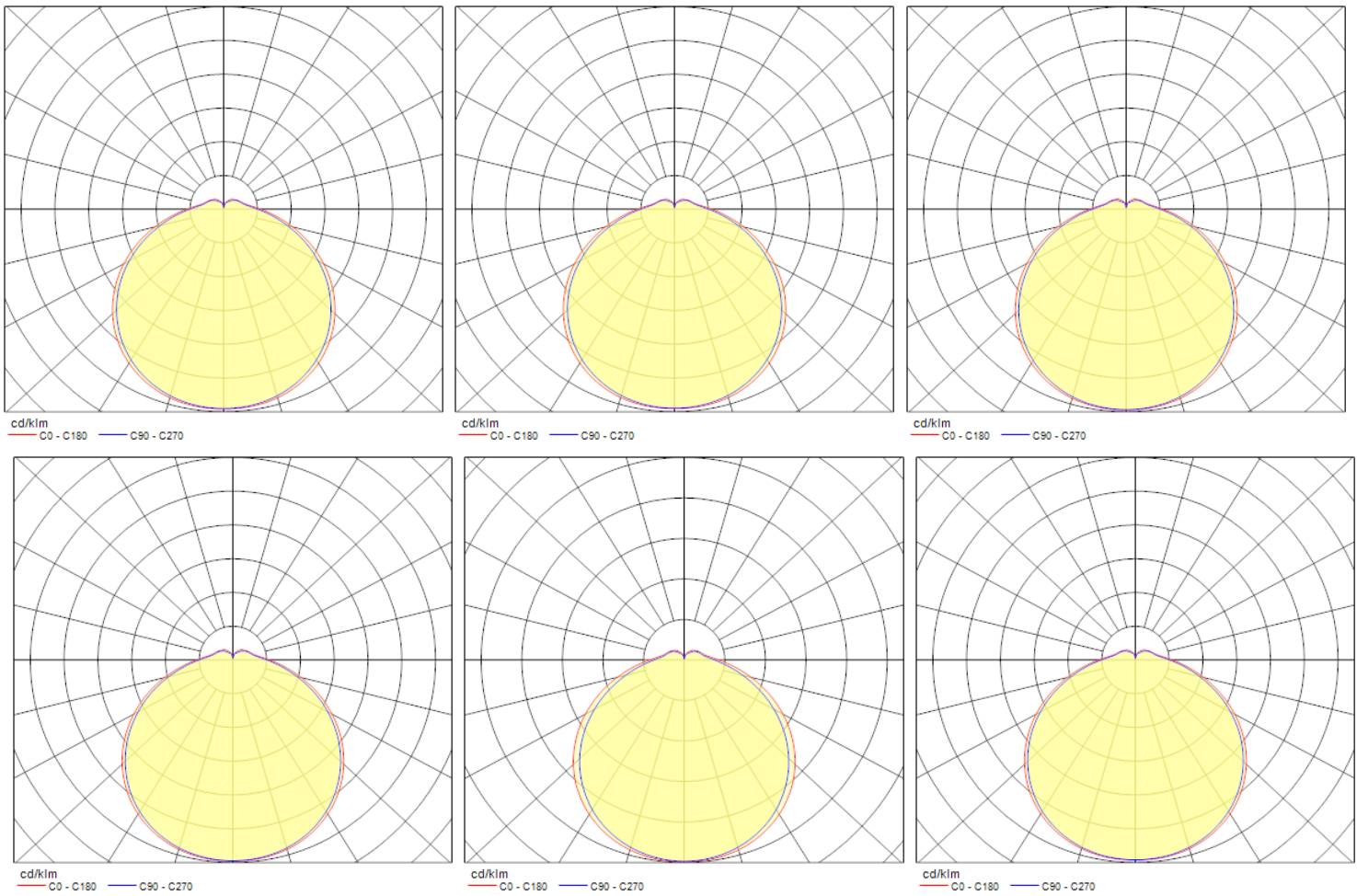
Product Overview

Product name	START Surface IP54 Multipower 4000lm 830/840 EM
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting
E-number FI	4279515
Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	111
Light colour	Warm White or Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	6
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	430
Total power consumption (W)	36
Electrical protection	Class II
Control gear type	LED driver constant current

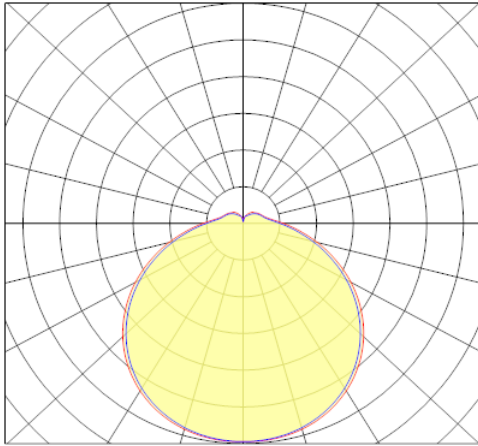
START Surface IP54 Multipower 4000lm 830/840 EM 0043413

LED Flickering Rate	Low (6% - 20%)
Housing colour	RAL 9003 - Signal white
IP rating	IP54
IK rating	IK03
Product EAN number	5410288434131
Warranty	5 years

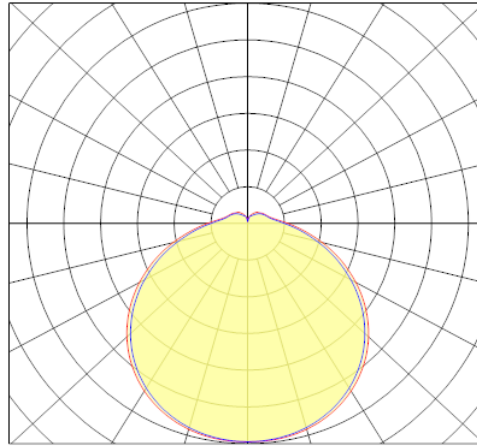
Photometry



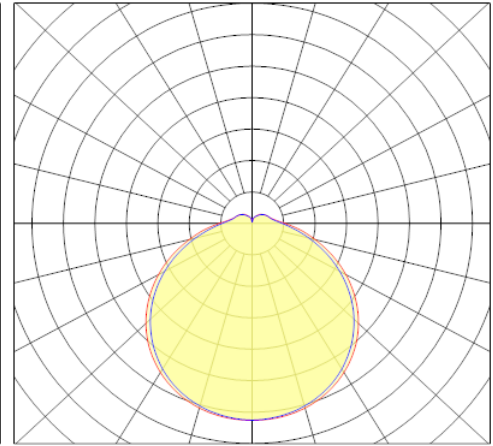
START Surface IP54 Multipower 4000lm 830/840 EM 0043413



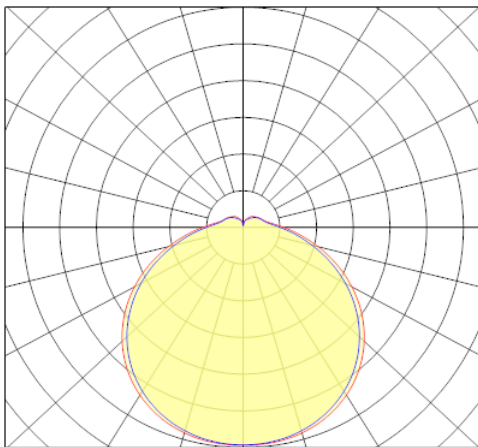
cd/klm
— C0 - C180 — C90 - C270



cd/klm
— C0 - C180 — C90 - C270



cd/klm
— C0 - C180 — C90 - C270



cd/klm
— C0 - C180 — C90 - C270

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	2.04	E(0°) 3545	E(C90) 63.9° 151	E(C0) 66.0° 120	
	2.25				
1.0	4.08	E(0°) 886	E(C90) 63.9° 38	E(C0) 66.0° 30	
	4.49				
1.5	6.12	E(0°) 394	E(C90) 63.9° 17	E(C0) 66.0° 13	
	6.74				
2.0	8.17	E(0°) 222	E(C90) 63.9° 9	E(C0) 66.0° 7	
	8.96				
2.5	10.21	E(0°) 142	E(C90) 63.9° 6	E(C0) 66.0° 5	
	11.23				
3.0	12.25	E(0°) 96	E(C90) 63.9° 4	E(C0) 66.0° 3	
	13.48				

Distance [m] Cone diameter [m]
— C0 - C180 (Half beam angle: 132.0°)
— C90 - C270 (Half beam angle: 127.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	2.05	E(0°) 3067	E(C90) 64.0° 129	E(C0) 66.1° 102	
	2.26				
1.0	4.10	E(0°) 767	E(C90) 64.0° 32	E(C0) 66.1° 26	
	4.51				
1.5	6.15	E(0°) 341	E(C90) 64.0° 14	E(C0) 66.1° 11	
	6.77				
2.0	8.20	E(0°) 192	E(C90) 64.0° 8	E(C0) 66.1° 6	
	9.03				
2.5	10.25	E(0°) 123	E(C90) 64.0° 5	E(C0) 66.1° 4	
	11.28				
3.0	12.30	E(0°) 85	E(C90) 64.0° 4	E(C0) 66.1° 3	
	13.54				

Distance [m] Cone diameter [m]
— C0 - C180 (Half beam angle: 132.2°)
— C90 - C270 (Half beam angle: 128.0°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	2.03	E(0°) 2661	E(C90) 63.8° 115	E(C0) 65.6° 94	
	2.20				
1.0	4.06	E(0°) 665	E(C90) 63.8° 29	E(C0) 65.6° 24	
	4.41				
1.5	6.10	E(0°) 296	E(C90) 63.8° 13	E(C0) 65.6° 10	
	6.61				
2.0	8.13	E(0°) 166	E(C90) 63.8° 7	E(C0) 65.6° 6	
	8.82				
2.5	10.16	E(0°) 106	E(C90) 63.8° 5	E(C0) 65.6° 4	
	11.02				
3.0	12.19	E(0°) 74	E(C90) 63.8° 3	E(C0) 65.6° 3	
	13.23				

Distance [m] Cone diameter [m]
— C0 - C180 (Half beam angle: 131.2°)
— C90 - C270 (Half beam angle: 127.6°)

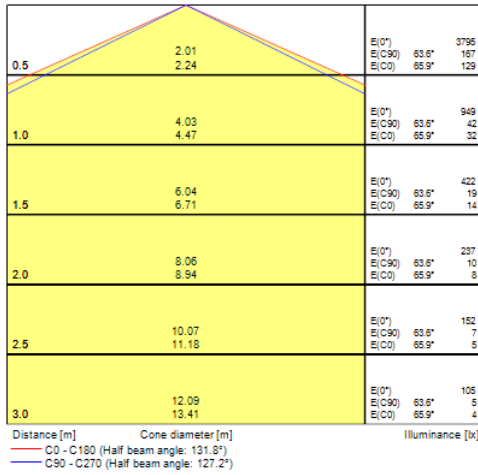
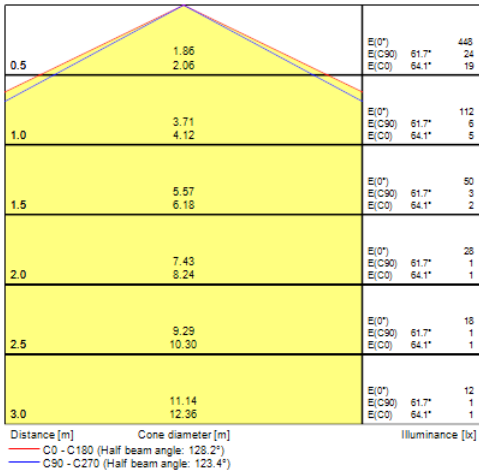
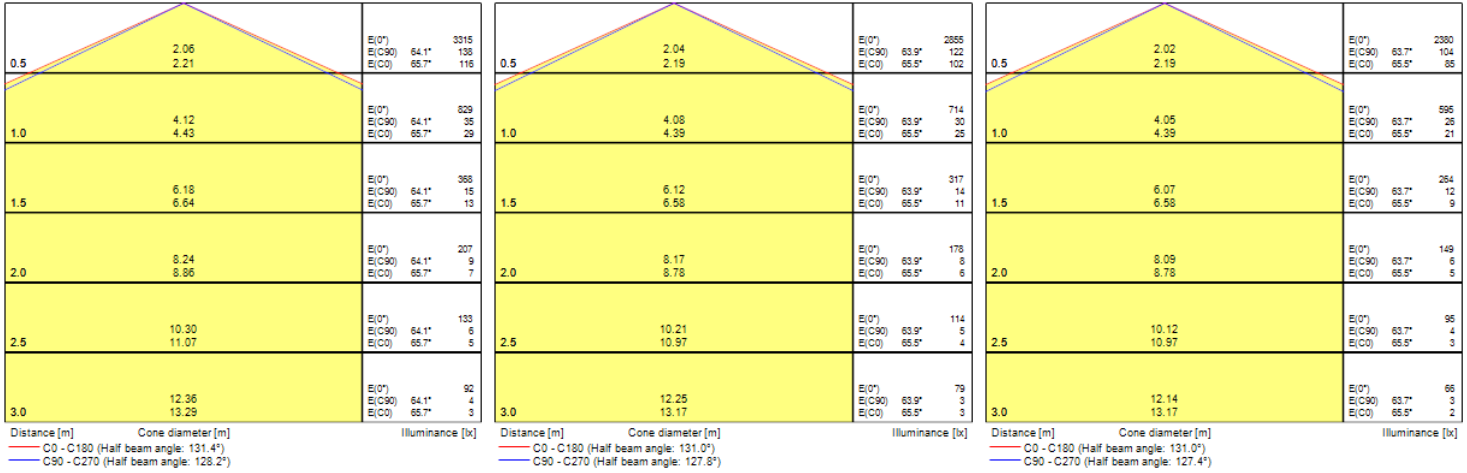
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	2.03	E(0°) 2238	E(C90) 63.8° 97	E(C0) 65.5° 80	
	2.19				
1.0	4.06	E(0°) 560	E(C90) 63.8° 24	E(C0) 65.5° 20	
	4.39				
1.5	6.10	E(0°) 249	E(C90) 63.8° 11	E(C0) 65.5° 9	
	6.58				
2.0	8.13	E(0°) 140	E(C90) 63.8° 6	E(C0) 65.5° 5	
	8.78				
2.5	10.16	E(0°) 90	E(C90) 63.8° 4	E(C0) 65.5° 3	
	10.97				
3.0	12.19	E(0°) 62	E(C90) 63.8° 3	E(C0) 65.5° 2	
	13.17				

Distance [m] Cone diameter [m]
— C0 - C180 (Half beam angle: 131.0°)
— C90 - C270 (Half beam angle: 127.6°)

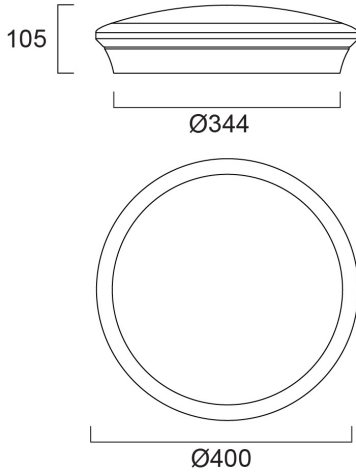
Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.85	E(0°) 422	E(C90) 61.6° 23	E(C0) 65.0° 18	
	2.14				
1.0	3.70	E(0°) 106	E(C90) 61.6° 6	E(C0) 65.0° 4	
	4.29				
1.5	5.55	E(0°) 47	E(C90) 61.6° 3	E(C0) 65.0° 2	
	6.43				
2.0	7.40	E(0°) 26	E(C90) 61.6° 1	E(C0) 65.0° 1	
	8.58				
2.5	9.25	E(0°) 17	E(C90) 61.6° 1	E(C0) 65.0° 1	
	10.72				
3.0	11.10	E(0°) 12	E(C90) 61.6° 1	E(C0) 65.0° 0	
	12.87				

Distance [m] Cone diameter [m]
— C0 - C180 (Half beam angle: 130.0°)
— C90 - C270 (Half beam angle: 123.2°)

START Surface IP54 Multipower 4000lm 830/840 EM 0043413



Technical drawings



Data table

GENERAL DATA

Product name	START Surface IP54 Multipower 4000lm 830/840 EM
Technology	LED
Cap/Base	N/A
Housing	PC Polycarbonate
Mount	Ceiling surface mounting
Operating temperature range (°C)	1°C...+40°C
E-number FI	4279515
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4000
Luminaire efficacy (lm/W)	111
Correlated colour temperature range (K)	3000 - 4000
Light colour	Warm White or Neutral White
CRI (Ra)	80

START Surface IP54 Multipower 4000lm 830/840 EM 0043413

Colour Variation Initial (SDCM)	6
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	430

ELECTRICAL DATA

Total power consumption (W)	36
Primary Supply/Product voltage - min (V)	220.0
Lamp power factor	0.8
Electrical protection	Class II
Control gear required	No
Control gear type	LED driver constant current
Drive current (mA)	176
Inrush Current (A)	18
Inrush Duration (μ s)	100
Glow Wire Test ($^{\circ}$ C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Low (6% - 20%)
Max. products per 10A C Breaker	31
Max. products per 13A C Breaker	40
Max. products per 16A C Breaker	50
Max. products per 20A B Breaker	37
Connectable conductor cross section - Max (mm ²)	1.5

LIFETIME DATA

Lifespan L70 B50	120000
Lifespan L70 B20	120000
Lifespan L70 B10	120000
Lifespan L80 B50	105000
Lifespan L80 B20	95000
Lifespan L80 B10	89000
Lifespan L90 B50	51000

START Surface IP54 Multipower 4000lm 830/840 EM 0043413

Lifespan L90 B20	47000
Lifespan L90 B10	44000

PHYSICAL DATA

Housing colour	RAL 9003 - Signal white
IP rating	IP54
IK rating	IK03
Diffuser finish	Opal
Diffuser material	PMMA Acrylic
Nominal Product Diameter (mm)	400
Weight (kg)	1.34

PACKAGING

Product EAN number	5410288434131
Packaging single width (cm)	43.0
Packaging single depth (cm)	11.5
DUN14 (outer)	15410288434138
Packaging outer length / height (cm)	60.0

SAFETY DATA

Optimal operating condition (°C)	1-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No