



Features

• START Panel IP54 is a range of recessed integrated LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. With the help of DIP Switch multiple lumen outputs can be set up in 8 steps (13W 1725lm, 16W 2250lm, 19W 2700lm, 23W 3250lm, 25W 3450lm, 29W 4000lm, 32W 4400lm, 36W 4900lm). Max. drive current: 165mA; Max. power: 36W; Average lifespan: 100.000Hrs; 3000K; CRI 80; Efficacy up to: 136Lm/W; Fixture lumen up to: 4900lm; IK03; IP54 (from the front); Class II; Wieland connector included.

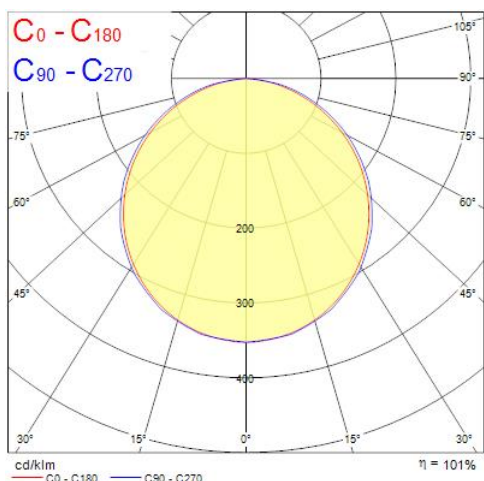
Product Overview

Product name	START PANEL IP54 MLTPWR 600 4900LM 830 GST18/3
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
ETIM Class	EC002892
Fixture luminous flux (lm)	4900
Luminaire efficacy (lm/W)	136
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	110
Glare control	< 25
Photobiological Risk Group	RG0
Total power consumption (W)	36

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Electrical protection	Class II
Control gear type	Electronic ballast multiwatt
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP54/20
IK rating	IK03
Product EAN number	5410288470429
Warranty	5 years
Dimming method	N/A

Photometry



Distance [m]	Cone diameter [m]	Beam type	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53	C0 - C180 (Half beam angle: 110.6°)	2433	200	225	2433
	1.44		56.8°	55.3°	200	
1.0	3.06	C0 - C180 (Half beam angle: 110.6°)	608	50	66	608
	2.89		56.8°	55.3°	50	
1.5	4.58	C0 - C180 (Half beam angle: 110.6°)	270	22	26	270
	4.33		56.8°	55.3°	22	
2.0	6.11	C0 - C180 (Half beam angle: 110.6°)	182	13	14	182
	5.78		56.8°	55.3°	13	
2.5	7.64	C0 - C180 (Half beam angle: 110.6°)	97	8	9	97
	7.22		56.8°	55.3°	8	
3.0	9.17	C0 - C180 (Half beam angle: 110.6°)	68	6	6	68
	8.67		56.8°	55.3°	6	

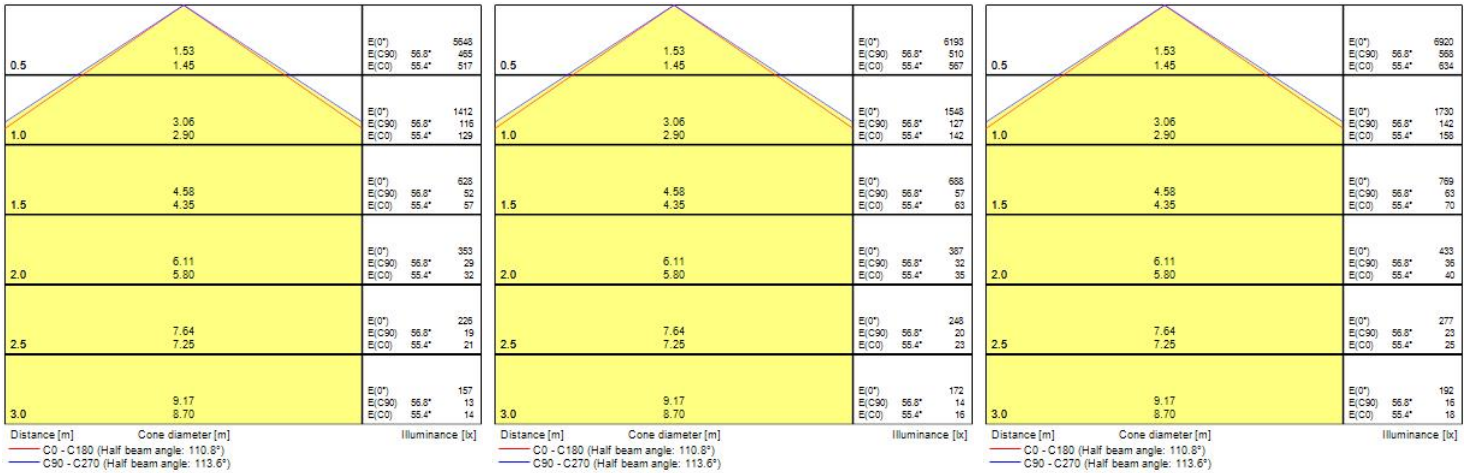
Distance [m]	Cone diameter [m]	Beam type	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53	C90 - C270 (Half beam angle: 113.6°)	3182	259	294	3182
	1.44		56.9°	55.3°	259	
1.0	3.07	C90 - C270 (Half beam angle: 113.6°)	796	65	74	796
	2.89		56.9°	55.3°	65	
1.5	4.60	C90 - C270 (Half beam angle: 113.6°)	354	29	33	354
	4.33		56.9°	55.3°	29	
2.0	6.14	C90 - C270 (Half beam angle: 113.6°)	199	16	18	199
	5.78		56.9°	55.3°	16	
2.5	7.67	C90 - C270 (Half beam angle: 113.6°)	127	10	12	127
	7.22		56.9°	55.3°	10	
3.0	9.20	C90 - C270 (Half beam angle: 113.6°)	88	7	7	88
	8.67		56.9°	55.3°	7	

Distance [m]	Cone diameter [m]	Beam type	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53	C0 - C180 (Half beam angle: 110.6°)	3798	312	351	3798
	1.44		56.8°	55.3°	312	
1.0	3.06	C0 - C180 (Half beam angle: 110.6°)	948	78	88	948
	2.89		56.8°	55.3°	78	
1.5	4.58	C0 - C180 (Half beam angle: 110.6°)	421	35	39	421
	4.33		56.8°	55.3°	35	
2.0	6.11	C0 - C180 (Half beam angle: 110.6°)	237	19	22	237
	5.78		56.8°	55.3°	19	
2.5	7.64	C0 - C180 (Half beam angle: 110.6°)	152	12	14	152
	7.22		56.8°	55.3°	12	
3.0	9.17	C0 - C180 (Half beam angle: 110.6°)	105	9	10	105
	8.67		56.8°	55.3°	9	

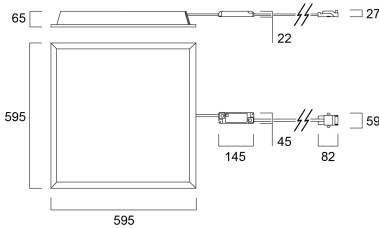
Distance [m]	Cone diameter [m]	Beam type	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.52	C0 - C180 (Half beam angle: 110.6°)	4599	390	426	4599
	1.44		56.7°	55.3°	390	
1.0	3.04	C0 - C180 (Half beam angle: 110.6°)	1147	96	106	1147
	2.89		56.7°	55.3°	96	
1.5	4.57	C0 - C180 (Half beam angle: 110.6°)	510	42	47	510
	4.33		56.7°	55.3°	42	
2.0	6.09	C0 - C180 (Half beam angle: 110.6°)	287	24	27	287
	5.78		56.7°	55.3°	24	
2.5	7.61	C0 - C180 (Half beam angle: 110.6°)	194	16	17	194
	7.22		56.7°	55.3°	16	
3.0	9.13	C0 - C180 (Half beam angle: 110.6°)	127	11	12	127
	8.67		56.7°	55.3°	11	

Distance [m]	Cone diameter [m]	Beam type	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53	C90 - C270 (Half beam angle: 113.6°)	4800	402	451	4800
	1.44		56.8°	55.3°	402	
1.0	3.06	C90 - C270 (Half beam angle: 113.6°)	1220	100	113	1220
	2.89		56.8°	55.3°	100	
1.5	4.58	C90 - C270 (Half beam angle: 113.6°)	542	45	50	542
	4.33		56.8°	55.3°	45	
2.0	6.11	C90 - C270 (Half beam angle: 113.6°)	305	25	28	305
	5.78		56.8°	55.3°	25	
2.5	7.64	C90 - C270 (Half beam angle: 113.6°)	196	16	18	196
	7.22		56.8°	55.3°	16	
3.0	9.17	C90 - C270 (Half beam angle: 113.6°)	136	11	13	136
	8.67		56.8°	55.3°	11	

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Technical drawings



Data table

GENERAL DATA

Product name	START PANEL IP54 MLTPWR 600 4900LM 830 GST18/3
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
Operating temperature range (°C)	-10°C...+40°C

START PANEL IP54 MLTPWR 600 4900LM 830 GST18/3 0047042

Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

OPTICAL DATA

Fixture luminous flux (lm)	4900
Luminaire efficacy (lm/W)	136
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam Angle (°)	110
Distribution type	Symmetric
Glare control	< 25
Photobiological Risk Group	RG0

ELECTRICAL DATA

Total power consumption (W)	36
Mains voltage (V)	220-240V
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	16.0
Electrical protection	Class II
Control gear required	No
Control gear type	Electronic ballast multiwatt
No. Of switching cycles before premature failures	>100000
Transformer required	No
Dimmable	No
Dimming method	N/A
Drive current (mA)	165
Inrush Current (A)	22
Inrush Duration (µs)	250

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Glow Wire Test (°C)	650
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	38
Max. Luminaires per 13A C Breaker	48
Max. Luminaires per 16A C Breaker	60
Max. Luminaires per 20A C Breaker	75
Max. Luminaires per 16A B Breaker	21

LIFETIME DATA

Lifespan L70 B50	100000
Lifespan L80 B20	71000

PHYSICAL DATA

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP54/20
IK rating	IK03
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	65
Weight (kg)	2.6
Recessed Depth (mm)	100

PACKAGING

Single packaging type	Carton
Product EAN number	5410288470429
Packaging single length / height (cm)	63.0
Packaging single width (cm)	61.5
Packaging single depth (cm)	8.2
Packaging inner length / height (cm)	63.0

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Packaging inner width (cm)	61.5
Packaging inner depth (cm)	8.2
DUN14 (outer)	05410288470429
Units per outer package	1
Packaging outer length / height (cm)	63.0
Packaging outer width (cm)	61.5
Packaging outer depth (cm)	8.2

SAFETY DATA

Optimal operating condition (°C)	-10-40
Special purpose lamp	No
Dry applications use only	No
Suitable for household illumination	No