

START Panel IP54 600x600

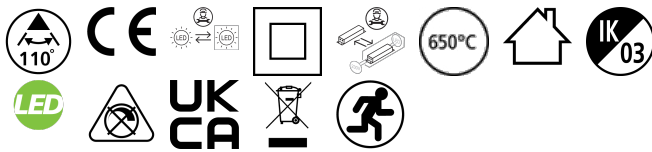
START PANEL IP54 MLTPWR 600 4900LM 830

0047990



Product 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; IP44 (from the front); Class II



PRODUCT OVERVIEW

Product name	START PANEL IP54 MLTPWR 600 4900LM 830
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
ETIM Class	EC002892
E-number FI	4276985
Warranty	5 years
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)	SDCM3
Beam Angle (°)	110
Glare control	< 25
Photobiological Risk Group	RG0
Total power consumption (W)	36
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	5410288479903

DATA TABLE

General data

Product name	START PANEL IP54 MLTPWR 600 4900LM 830
--------------	--

START Panel IP54 600x600

START PANEL IP54 MLTPWR 600 4900LM 830

0047990

Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
Operating temperature range (°C)	-10°C - 40°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
E-number FI	4276985
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)	SDCM3
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
Drive current (mA)	165
Inrush Current (A)	22
Inrush Duration (µs)	250
Glow Wire Test (°C)	650
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

START Panel IP54 600x600

START PANEL IP54 MLTPWR 600 4900LM 830
0047990

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)	596
Nominal Product Width (mm)	596
Nominal Product Height (mm)	63
Weight (kg)	2.4
Recessed Depth (mm)	100

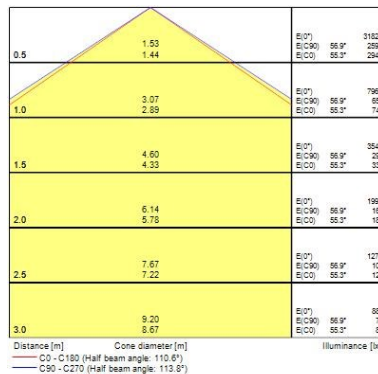
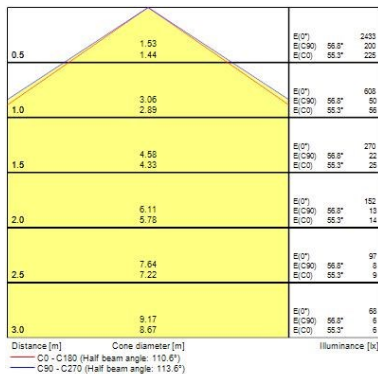
Packaging

Single packaging type	Carton
Product EAN number	5410288479903
Packaging single length / height (cm)	61.5
Packaging single width (cm)	61.0
Packaging single depth (cm)	7.5
Packaging inner length / height (cm)	63.0
Packaging inner width (cm)	61.5
Packaging inner depth (cm)	8.2
DUN14 (outer)	05410288479903
Units per outer package	20
Packaging outer length / height (cm)	125.0
Packaging outer width (cm)	81.0
Packaging outer depth (cm)	63.0

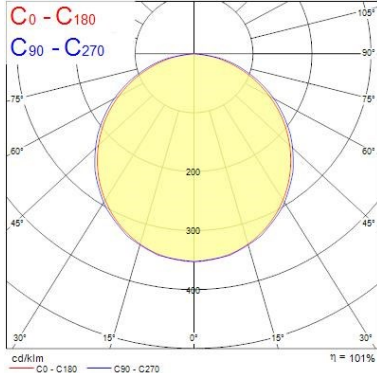
Safety data

Optimal operating condition (°C)	-10-40
----------------------------------	--------

PHOTOMETRY



START Panel IP54 600x600 START PANEL IP54 MLTPWR 600 4900LM 830 0047990



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.52 1.44	4599	55.7°	55.3°	350
1.0	3.04 2.89	1147	55.7°	55.3°	139
1.5	4.57 4.33	510	55.7°	55.3°	42
2.0	6.09 5.78	287	55.7°	55.3°	23
2.5	7.61 7.22	184	55.7°	55.3°	15
3.0	9.13 8.67	127	55.7°	55.3°	11

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 110.6°)
C90 - C270 (Half beam angle: 113.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53 1.44	4380	55.8°	55.3°	402
1.0	3.06 2.89	1220	55.8°	55.3°	113
1.5	4.58 4.33	542	55.8°	55.3°	45
2.0	6.11 5.78	305	55.8°	55.3°	25
2.5	7.64 7.22	196	55.8°	55.3°	15
3.0	9.17 8.67	136	55.8°	55.3°	11

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 110.6°)
C90 - C270 (Half beam angle: 113.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53 1.45	6920	55.8°	55.4°	565
1.0	3.06 2.90	1730	55.8°	55.4°	142
1.5	4.58 4.35	789	55.8°	55.4°	63
2.0	6.11 5.80	433	55.8°	55.4°	35
2.5	7.64 7.25	277	55.8°	55.4°	23
3.0	9.17 8.70	192	55.8°	55.4°	15

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 110.6°)
C90 - C270 (Half beam angle: 113.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53 1.44	3793	55.8°	55.3°	351
1.0	3.06 2.89	948	55.8°	55.3°	88
1.5	4.58 4.33	421	55.8°	55.3°	39
2.0	6.11 5.78	237	55.8°	55.3°	22
2.5	7.64 7.22	152	55.8°	55.3°	14
3.0	9.17 8.67	102	55.8°	55.3°	10

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 110.6°)
C90 - C270 (Half beam angle: 113.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53 1.45	5548	55.8°	55.4°	485
1.0	3.06 2.90	1412	55.8°	55.4°	118
1.5	4.58 4.35	638	55.8°	55.4°	57
2.0	6.11 5.80	363	55.8°	55.4°	32
2.5	7.64 7.25	236	55.8°	55.4°	21
3.0	9.17 8.70	167	55.8°	55.4°	14

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 110.6°)
C90 - C270 (Half beam angle: 113.6°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.53 1.45	8193	55.8°	55.4°	567
1.0	3.06 2.90	1546	55.8°	55.4°	142
1.5	4.58 4.35	688	55.8°	55.4°	63
2.0	6.11 5.80	387	55.8°	55.4°	35
2.5	7.64 7.25	248	55.8°	55.4°	23
3.0	9.17 8.70	172	55.8°	55.4°	15

Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 110.6°)
C90 - C270 (Half beam angle: 113.6°)

START Panel IP54 600x600

START PANEL IP54 MLTPWR 600 4900LM 830

0047990

TECHNICAL DRAWINGS

