

START Panel IP54 UGR19 600x600

START PANEL IP54 MLTPWR U19 600 4350LM 830
0047992



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 1500lm, 16W 1975lm, 19W 2375lm, 23W 2850lm, 25W 3050lm, 29W 3500lm, 32W 3850lm, 36W 4350lm). Max. drive current: 165mA; Max. power: 36W; Average lifespan: 100.000Hrs; 3000K; CRI 80; Efficacy up to: 121lm/W; Fixture lumen up to: 4350lm; Glare control <19; IK03; IP44 (from the front); Class II



PRODUCT OVERVIEW

Product name	START PANEL IP54 MLTPWR U19 600 4350LM 830
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
General application	Education, Office
ETIM Class	EC002892
E-number FI	4276987
Warranty	5 years
Fixture luminous flux (lm)	4350
Luminaire efficacy (lm/W)	121
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	90
Glare control	< 19
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	5410288479927

DATA TABLE

General data

Product name	START PANEL IP54 MLTPWR U19 600 4350LM 830
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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	4276987
Warranty	5 years

Optical data

Fixture luminous flux (lm)	4350
Luminaire efficacy (lm/W)	121
Colour temperature (K)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	90
Distribution type	Symmetric
Glare control	< 19
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

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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	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	596
Nominal Product Width (mm)	596
Nominal Product Height (mm)	63
Weight (kg)	2.7
Recessed Depth (mm)	100

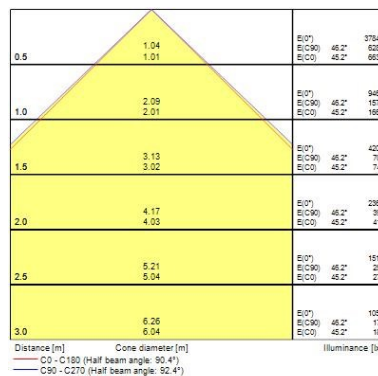
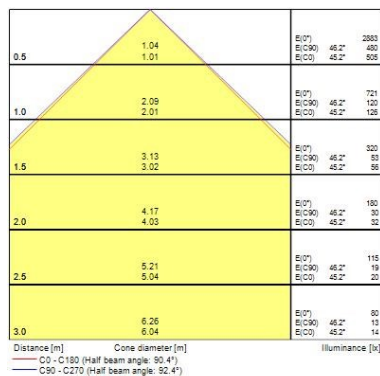
Packaging

Single packaging type	Carton
Product EAN number	5410288479927
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)	05410288479927
Units per outer package	20
Packaging outer length / height (cm)	125.0
Packaging outer width (cm)	81.0
Packaging outer depth (cm)	63.0

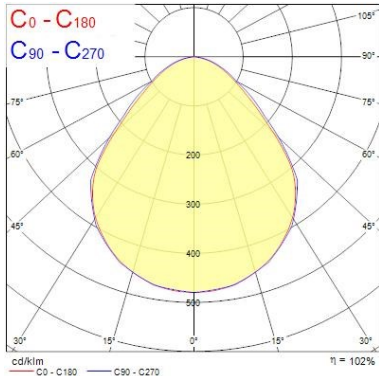
Safety data

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



START Panel IP54 UGR19 600x600 START PANEL IP54 MLTPWR U19 600 4350LM 830 0047992



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C180)	E(C0)	E(C90)	E(C180)	E(C0)
0.5	1.04 1.01	9000	45.2°	632	45.2°	666		
1.0	2.09 2.01	900	45.2°	158	45.2°	169		
1.5	3.13 3.02	422	45.2°	70	45.2°	74		
2.0	4.17 4.03	238	45.2°	39	45.2°	42		
2.5	5.21 5.04	180	45.2°	28	45.2°	27		
3.0	6.26 6.04	106	45.2°	18	45.2°	18		

Distance [m] Cone diameter [m] Illuminance [lx]
 --- C0 - C180 (Half beam angle: 90.4°)
 --- C90 - C270 (Half beam angle: 92.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C180)	E(C0)	E(C90)	E(C180)	E(C0)
0.5	1.04 1.01	7119	45.2°	1233	45.2°	1301		
1.0	2.09 2.01	1855	45.2°	308	45.2°	326		
1.5	3.13 3.02	824	45.2°	137	45.2°	145		
2.0	4.17 4.03	464	45.2°	67	45.2°	71		
2.5	5.21 5.04	297	45.2°	49	45.2°	52		
3.0	6.26 6.04	206	45.2°	34	45.2°	36		

Distance [m] Cone diameter [m] Illuminance [lx]
 --- C0 - C180 (Half beam angle: 90.4°)
 --- C90 - C270 (Half beam angle: 92.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C180)	E(C0)	E(C90)	E(C180)	E(C0)
0.5	1.04 1.01	8314	45.2°	1378	45.2°	1458		
1.0	2.09 2.01	2078	45.2°	346	45.2°	364		
1.5	3.13 3.02	924	45.2°	153	45.2°	162		
2.0	4.17 4.03	503	45.2°	86	45.2°	91		
2.5	5.21 5.04	333	45.2°	58	45.2°	58		
3.0	6.26 6.04	221	45.2°	39	45.2°	40		

Distance [m] Cone diameter [m] Illuminance [lx]
 --- C0 - C180 (Half beam angle: 90.4°)
 --- C90 - C270 (Half beam angle: 92.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C180)	E(C0)	E(C90)	E(C180)	E(C0)
0.5	1.04 1.01	5840	45.2°	971	45.2°	1024		
1.0	2.09 2.01	1460	45.2°	243	45.2°	256		
1.5	3.13 3.02	649	45.2°	106	45.2°	114		
2.0	4.17 4.03	365	45.2°	61	45.2°	64		
2.5	5.21 5.04	234	45.2°	39	45.2°	41		
3.0	6.26 6.04	162	45.2°	27	45.2°	28		

Distance [m] Cone diameter [m] Illuminance [lx]
 --- C0 - C180 (Half beam angle: 90.4°)
 --- C90 - C270 (Half beam angle: 92.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C180)	E(C0)	E(C90)	E(C180)	E(C0)
0.5	1.04 1.01	6788	45.1°	1108	45.2°	1188		
1.0	2.09 2.01	1589	45.1°	262	45.2°	296		
1.5	3.12 3.02	751	45.1°	125	45.2°	132		
2.0	4.16 4.03	422	45.1°	72	45.2°	74		
2.5	5.20 5.04	270	45.1°	46	45.2°	47		
3.0	6.23 6.04	186	45.1°	31	45.2°	33		

Distance [m] Cone diameter [m] Illuminance [lx]
 --- C0 - C180 (Half beam angle: 90.4°)
 --- C90 - C270 (Half beam angle: 92.4°)

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C180)	E(C0)	E(C90)	E(C180)	E(C0)
0.5	1.04 1.01	5490	45.2°	912	45.2°	962		
1.0	2.09 2.01	1372	45.2°	228	45.2°	241		
1.5	3.13 3.02	610	45.2°	101	45.2°	107		
2.0	4.17 4.03	343	45.2°	57	45.2°	60		
2.5	5.21 5.04	220	45.2°	36	45.2°	38		
3.0	6.26 6.04	152	45.2°	25	45.2°	27		

Distance [m] Cone diameter [m] Illuminance [lx]
 --- C0 - C180 (Half beam angle: 90.4°)
 --- C90 - C270 (Half beam angle: 92.4°)

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TECHNICAL DRAWINGS

