



### 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; IP54 (from the front); Class II; Wieland connector included

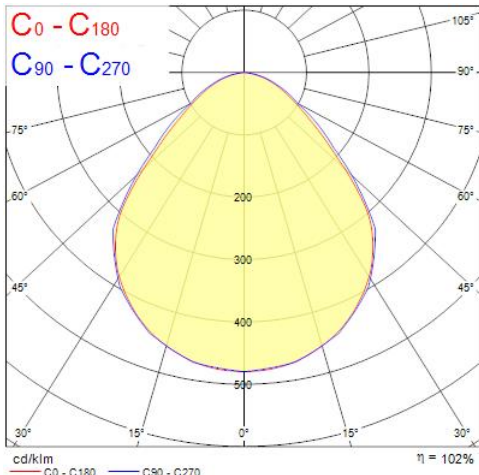
### Product Overview

<b>Product name</b>	START PANEL IP54 MLTPWR U19 600 4350LM 830 GST18/3
<b>Technology</b>	LED
<b>Cap/Base</b>	N/A
<b>Housing</b>	Steel
<b>Mount</b>	Ceiling recessed mounting
<b>General application</b>	Education, Office
<b>ETIM Class</b>	EC002892
<b>Fixture luminous flux (lm)</b>	4350
<b>Luminaire efficacy (lm/W)</b>	121
<b>Colour temperature (K)</b>	3000
<b>Light colour</b>	Warm White
<b>CRI (Ra)</b>	80
<b>Colour Variation Initial (SDCM)</b>	3
<b>Beam Angle (°)</b>	90
<b>Glare control</b>	< 19
<b>Photobiological Risk Group</b>	RG0
<b>Total power consumption (W)</b>	36
<b>Electrical protection</b>	Class II
<b>Control gear type</b>	Electronic ballast multiwatt

## START PANEL IP54 MLTPWR U19 600 4350LM 830 GST18/3 0047044

<b>Dimmable</b>	No
<b>LED Flickering Rate</b>	Ultra low (5% or less)
<b>Housing colour</b>	RAL 9016 - Traffic white / Bezel
<b>IP rating</b>	IP54/20
<b>IK rating</b>	IK03
<b>Product EAN number</b>	5410288470443
<b>Warranty</b>	5 years
<b>Dimming method</b>	N/A

### Photometry



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.04 1.01	2833	430	505	
1.0	2.09 2.01	721	120	128	
1.5	3.13 3.02	320	53	56	
2.0	4.17 4.03	180	30	32	
2.5	5.21 5.04	115	19	20	
3.0	6.26 6.04	80	13	14	

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(C0)	Illuminance [lx]
0.5	1.04 1.01	3300	632	666	
1.0	2.09 2.01	990	156	166	
1.5	3.13 3.02	422	70	74	
2.0	4.17 4.03	238	39	42	
2.5	5.21 5.04	152	25	27	
3.0	6.26 6.04	106	16	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(C0)	Illuminance [lx]
0.5	1.04 1.01	3784	628	663	
1.0	2.09 2.01	948	157	166	
1.5	3.13 3.02	420	70	74	
2.0	4.17 4.03	236	39	41	
2.5	5.21 5.04	151	25	27	
3.0	6.26 6.04	105	17	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(C0)	Illuminance [lx]
0.5	1.04 1.01	8314	1378	1458	
1.0	2.09 2.01	2078	345	364	
1.5	3.13 3.02	924	153	162	
2.0	4.17 4.03	520	86	91	
2.5	5.21 5.04	333	55	58	
3.0	6.26 6.04	231	38	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(C0)	Illuminance [lx]
0.5	1.04 1.01	7419	1233	1301	
1.0	2.09 2.01	1855	308	325	
1.5	3.13 3.02	824	137	145	
2.0	4.17 4.03	464	77	81	
2.5	5.21 5.04	297	49	52	
3.0	6.26 6.04	206	34	35	

Distance [m]    Cone diameter [m]    Illuminance [lx]

— C0 - C180 (Half beam angle: 90.4°)  
— C90 - C270 (Half beam angle: 92.4°)

## START PANEL IP54 MLTPWR U19 600 4350LM 830 GST18/3 0047044

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.04 1.01	5640	46.2° 971	45.2° 1024	
1.0	2.09 2.01	1490	46.2° 243	45.2° 256	
1.5	3.13 3.02	649	46.2° 108	45.2° 114	
2.0	4.17 4.03	365	46.2° 61	45.2° 64	
2.5	5.21 5.04	234	46.2° 39	45.2° 41	
3.0	6.26 6.04	162	46.2° 27	45.2° 28	

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.04 1.01	6766	45.1° 1126	45.2° 1188	
1.0	2.08 2.01	1699	45.1° 232	45.2° 236	
1.5	3.12 3.02	751	45.1° 125	45.2° 132	
2.0	4.16 4.03	422	45.1° 70	45.2° 74	
2.5	5.20 5.04	270	45.1° 45	45.2° 47	
3.0	6.23 6.04	188	45.1° 31	45.2° 33	

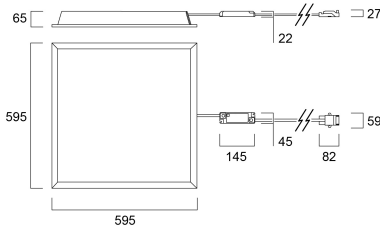
  

Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)	Illuminance [lx]
0.5	1.04 1.01	5490	46.2° 912	45.2° 962	
1.0	2.09 2.01	1372	46.2° 225	45.2° 241	
1.5	3.13 3.02	610	46.2° 101	45.2° 107	
2.0	4.17 4.03	343	46.2° 57	45.2° 60	
2.5	5.21 5.04	220	46.2° 38	45.2° 39	
3.0	6.26 6.04	152	46.2° 25	45.2° 27	

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 90.4°)  
— C90 - C270 (Half beam angle: 92.4°)

### Technical drawings



### Data table

#### GENERAL DATA

Product name	START PANEL IP54 MLTPWR U19 600 4350LM 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 U19 600 4350LM 830 GST18/3 0047044

Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
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)	3
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
Dimming method	N/A
Drive current (mA)	165
Inrush Current (A)	22
Inrush Duration (µs)	250

## START PANEL IP54 MLTPWR U19 600 4350LM 830 GST18/3 0047044

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	Prismatic
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595
Nominal Product Height (mm)	65
Weight (kg)	2.95
Recessed Depth (mm)	100

### PACKAGING

Single packaging type	Carton
Product EAN number	5410288470443
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

## START PANEL IP54 MLTPWR U19 600 4350LM 830 GST18/3 0047044

Packaging inner width (cm)	61.5
Packaging inner depth (cm)	8.2
DUN14 (outer)	05410288470443
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