

Start Flat Panel LED UGR19

START FLAT PANEL UGR19 600 4000K G2

0047430



Product features

- Edge lit LED flat low glare panel (UGR<19). Low Flicker, 33 W, Neutral White, 4000 K, 3400 lumens, 103 lm/W, 50000 hours lifetime (L70), PMMA opal diffuser, aluminium frame, steel body, electronic non dimmable driver. (HxWxD) 10.5 x 595 x 595 mm



PRODUCT OVERVIEW

IPC Code	0047430
Product name	START FLAT PANEL UGR19 600 4000K G2
Technology	LED
Housing	Aluminium
Mount	Ceiling recessed
Environment	Internal
General application	Education, Hospitality, Office, Retail
Certifications	EUNEW008
ETIM Class	EC002892
E-number FI	4274151
Fixture luminous flux (lm)	3400
Luminaire efficacy (lm/W)	103
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Glare control	<19
Photobiological Risk Group	RG0
Total power consumption (W)	33
Electrical protection	Class II
Control gear type	Electronic
Dimmable	No
LED Flickering Rate	Ultra low (5% or less)
Average life (Nominal) (h)	50000
Housing colour	White
IP rating	IP20/40
IK rating	IK03
Product EAN number	5410288474304
Lamps	Yes
Included lamp	INTEGRATED LED

DATA TABLE

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General data

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Optical data

Fixture luminous flux (lm)	3400
Luminaire efficacy (lm/W)	103
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	3
Beam angle (Rated) (°)	90
Glare control	<19
Photobiological Risk Group	RG0

Electrical data

Total power consumption (W)	33
Mains voltage (V)	220-240V~
Lamp power factor	0.9
Electrical protection	Class II
Control gear type	Electronic
Dimmable	No
Drive current (mA)	900
Inrush Current (A)	13
Inrush Duration (µs)	400
Glow Wire Test (°C)	650
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	25

Lifetime data

Lumen maintenance - L70 B50	50000
Average life (Nominal) (h)	50000

Physical data

Housing colour	White
IP rating	IP20/40
IK rating	IK03
Diffuser material	PMMA
Nominal Product Length (mm)	595
Nominal Product Width (mm)	595

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Nominal Product Height (mm)	10.5
Weight (kg)	2.994

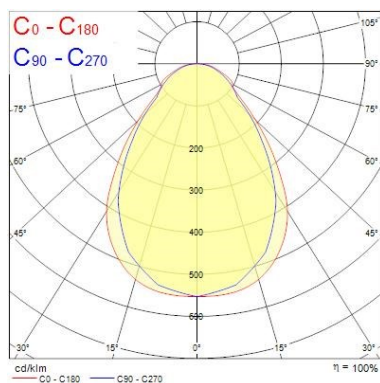
Packaging

Single packaging type	Carton
Product EAN number	5410288474304
Packaging single length / height (cm)	68.8
Packaging single width (cm)	63.0
Packaging single depth (cm)	3.8
DUN14 (outer)	15410288474301
Units per outer package	2
Packaging outer length / height (cm)	70.9
Packaging outer width (cm)	65.3
Packaging outer depth (cm)	10.6

Safety data

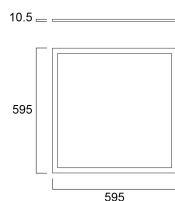
Optimal operating condition (°C)	-10-40
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PHOTOMETRY



Distance [m]	Cone diameter [m]	Half beam angle [°]	Beam diameter [m]	Beam diameter [in]	Illuminance [lx]
0.5	0.76	80.4°	1.52	60.2"	7598
1.0	1.52	80.4°	3.05	120.4"	1911
1.5	2.29	80.4°	4.57	180.6"	1587
2.0	3.05	80.4°	6.10	240.8"	1191
2.5	3.81	80.4°	7.62	301.0"	953
3.0	4.57	80.4°	9.14	361.2"	798
3.5	5.34	80.4°	10.67	421.4"	678
4.0	6.10	80.4°	12.20	481.6"	587
4.5	6.88	80.4°	13.72	541.8"	511
5.0	7.62	80.4°	15.24	602.0"	453
5.5	8.38	80.4°	16.77	662.2"	407
6.0	9.14	80.4°	18.30	722.4"	371
6.5	9.91	80.4°	19.82	782.6"	341
7.0	10.67	80.4°	21.35	842.8"	315
7.5	11.43	80.4°	22.87	903.0"	293
8.0	12.20	80.4°	24.40	963.2"	273
8.5	12.97	80.4°	25.93	1023.4"	255
9.0	13.72	80.4°	27.45	1083.6"	239
9.5	14.48	80.4°	28.98	1143.8"	225
10.0	15.24	80.4°	30.50	1204.0"	211
10.5	16.01	80.4°	32.03	1264.2"	198
11.0	16.77	80.4°	33.55	1324.4"	186
11.5	17.54	80.4°	35.08	1384.6"	175
12.0	18.30	80.4°	36.60	1444.8"	165
12.5	19.06	80.4°	38.13	1505.0"	156
13.0	19.82	80.4°	39.65	1565.2"	147
13.5	20.59	80.4°	41.18	1625.4"	139
14.0	21.35	80.4°	42.70	1685.6"	131
14.5	22.12	80.4°	44.23	1745.8"	124
15.0	22.87	80.4°	45.75	1806.0"	117
15.5	23.64	80.4°	47.28	1866.2"	111
16.0	24.40	80.4°	48.80	1926.4"	105
16.5	25.17	80.4°	50.33	1986.6"	100
17.0	25.93	80.4°	51.85	2046.8"	95
17.5	26.69	80.4°	53.38	2107.0"	90
18.0	27.45	80.4°	54.90	2167.2"	86
18.5	28.22	80.4°	56.43	2227.4"	82
19.0	28.98	80.4°	57.95	2287.6"	78
19.5	29.75	80.4°	59.48	2347.8"	75
20.0	30.50	80.4°	61.00	2408.0"	71
20.5	31.27	80.4°	62.53	2468.2"	68
21.0	32.03	80.4°	64.05	2528.4"	65
21.5	32.79	80.4°	65.58	2588.6"	62
22.0	33.55	80.4°	67.10	2648.8"	59
22.5	34.32	80.4°	68.63	2709.0"	56
23.0	35.08	80.4°	70.15	2769.2"	53
23.5	35.85	80.4°	71.68	2829.4"	50
24.0	36.60	80.4°	73.20	2889.6"	48
24.5	37.37	80.4°	74.73	2949.8"	45
25.0	38.13	80.4°	76.25	3010.0"	43
25.5	38.90	80.4°	77.78	3070.2"	41
26.0	39.65	80.4°	79.30	3130.4"	39
26.5	40.42	80.4°	80.83	3190.6"	37
27.0	41.18	80.4°	82.35	3250.8"	35
27.5	41.95	80.4°	83.88	3311.0"	33
28.0	42.70	80.4°	85.40	3371.2"	31
28.5	43.47	80.4°	86.93	3431.4"	29
29.0	44.23	80.4°	88.45	3491.6"	28
29.5	45.00	80.4°	89.98	3551.8"	26
30.0	45.75	80.4°	91.50	3612.0"	25
30.5	46.52	80.4°	93.03	3672.2"	23
31.0	47.28	80.4°	94.55	3732.4"	22
31.5	48.05	80.4°	96.08	3792.6"	21
32.0	48.80	80.4°	97.60	3852.8"	19
32.5	49.57	80.4°	99.13	3913.0"	18
33.0	50.33	80.4°	100.65	3973.2"	17
33.5	51.10	80.4°	102.18	4033.4"	16
34.0	51.85	80.4°	103.70	4093.6"	15
34.5	52.62	80.4°	105.23	4153.8"	14
35.0	53.38	80.4°	106.75	4214.0"	13
35.5	54.15	80.4°	108.28	4274.2"	12
36.0	54.90	80.4°	109.80	4334.4"	11
36.5	55.67	80.4°	111.33	4394.6"	10
37.0	56.43	80.4°	112.85	4454.8"	9
37.5	57.20	80.4°	114.38	4515.0"	8
38.0	57.95	80.4°	115.90	4575.2"	7
38.5	58.72	80.4°	117.43	4635.4"	6
39.0	59.48	80.4°	118.95	4695.6"	5
39.5	60.25	80.4°	120.48	4755.8"	4
40.0	61.00	80.4°	122.00	4816.0"	3

TECHNICAL DRAWINGS



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