

NXTGen 300x1200 36W LED Panel Light



Product Description

Upgrade to our incredible range of NXTGEN panel lights for the ultimate in commercial and domestic lighting. With a greater lumens to watts ratio than ever before, these lights are a cost-effective way to get powerful lighting. These Mirrorstone lights have had their life expectancies increased, thanks to their slimmer build, which allows better heat dissipation.

Product Features

Frame	White Gloss
Lumens	3600Lm
Power	40w
Equivalent Wattage	200w
Input Voltage	100-240v AC
Voltage	32-40v DC
Height (mm)	30mm
Width (mm)	295mm
Length(mm)	1195mm
Life Hours	50,000
Beam Angle	120°
Dimmable	Dimmable Options Available
Colour	Warm White (3000K), Cool White (6000K) & Daylight (4000K)
Colour Rendering Index	>80
IP Rating	IP20
Warranty	3 Years
Certification	CE, RoHS
Brand	Mirrorstone



Product is suitable for mounting on flammable material

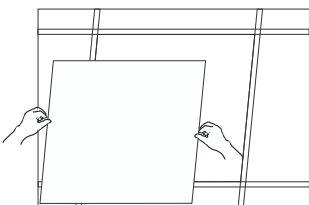


Product complies with all relevant European standards



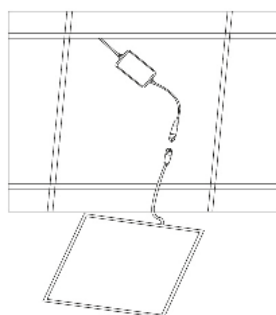
Mounting Instructions

Picture 1.



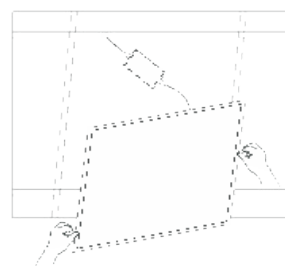
1. Remove ceiling tile. (as picture 1).

Picture 2.



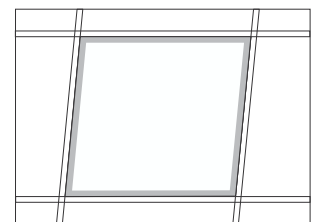
2. Connect the wire. (as picture 2).

Picture 3.



3. Fit the Panel Light into the ceiling grid. (as picture 3).

Picture 4.



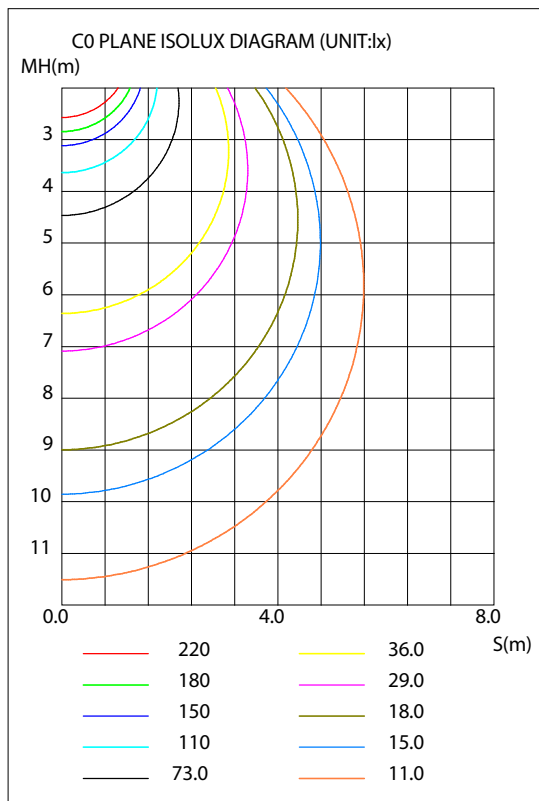
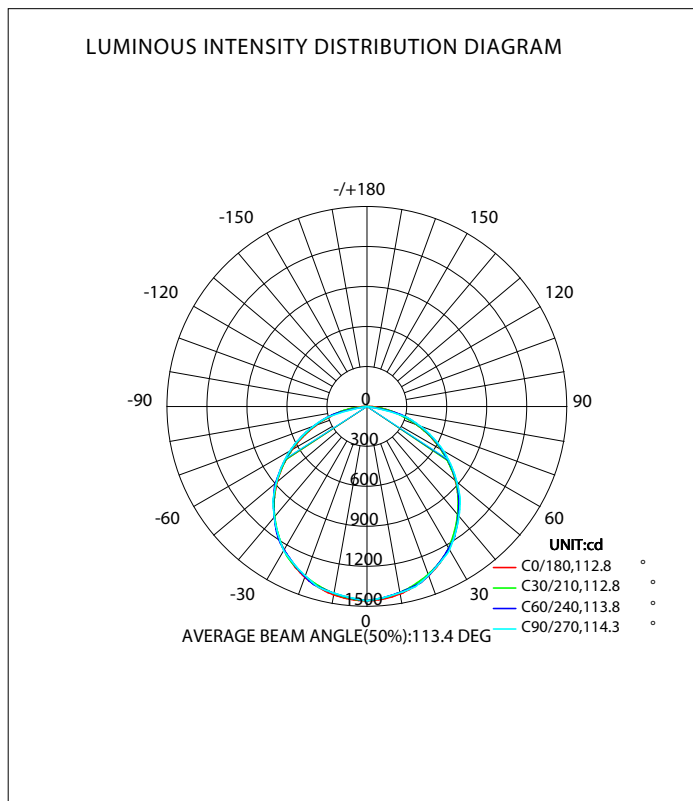
4. After you have installed the panel light, you can connect the mains electric current to use. (as picture 4).

NXTGen 300x1200 40W LED Panel Light

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 109.44 lm/W
MODEL	Z295X1195-40W-CW	Imax(cd)	1457	S/MH(C0/180)		1.25
NOMINAL POWER(W)	38	LOR(%)	100.0	S/MH(C90/270)		1.26
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4137.0	ηUP,DN(C0-180)		0.0,49.8
NOMINAL FLUX(lm)	4137.02	CIE CLASS	DIRECT	ηUP,DN(C180-360)		0.0,50.2
LAMPS INSIDE	1	ηup(%)	0.0	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	230.5	ηdown(%)	100.0	CIBSE SHR MAX		1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-09-22

YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

NXTGen 300x1200 40W LED Panel Light

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

y	C0	C45	C90	C135	C180	C225	C270	C315	γ	φ zone	φ total	%lum,lamp
5	1449	1439	1438	1442	1453	1443	1440	1440	0- 5	34.62	34.6 2	0.84,0.84
10	1428	1416	1420	1421	1436	1423	1422	1418	5- 10	102.4	137. 0	3.31,3.31
15	1395	1387	1401	1394	1406	1396	1405	1388	10- 15	167.0	304. 1	7.35,7.35
20	1351	1351	1348	1361	1364	1366	1353	1353	15- 20	226.4	530. 4	12.8,12.8
25	1296	1290	1295	1301	1308	1306	1302	1293	20- 25	277.7	808. 1	19.5,19.5
30	1228	1221	1242	1232	1243	1239	1250	1225	25- 30	320.2	1128	27.3,27.3
35	1151	1150	1158	1160	1168	1168	1166	1152	30- 35	352.5	1481	35.8,35.8
40	1065	1071	1074	1082	1081	1089	1082	1074	35- 40	372.2	1853	44.8,44.8
45	970.2	969.5	990.3	980.7	985.0	988.3	998.6	972.1	40- 45	380.0	2233	54,54
50	866.2	866.7	880.9	878.3	879.7	886.0	889.0	869.1	45- 50	375.5	2609	63.1,63.1
55	755.2	763.5	771.4	775.5	768.4	783.2	779.4	765.1	50- 55	357.4	2966	71.7,71.7
60	638.3	643.5	661.9	652.7	649.3	659.7	669.8	643.9	55- 60	327.7	3294	79.6,79.6
65	517.0	526.0	541.9	532.6	524.7	538.6	546.0	525.7	60- 65	287.3	3581	86.6,86.6
70	395.2	409.1	421.8	412.4	398.6	417.5	422.2	407.2	65- 70	236.9	3818	92.3,92.3
75	276.7	292.6	301.8	291.1	276.9	295.8	298.4	287.7	70- 75	179.8	3998	96.6,96.6
80	165.5	156.1	0	152.2	167.6	155.6	0	150.2	75- 80	107.1	4105	99.2,99.2
85	74.03	0	0	0	71.16	0	0	0	80- 85	28.88	4134	99.9,99.9
90	11.92	0	0	0	11.11	0	0	0	85- 90	3.411	4137	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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 C Interval: 5.0DEG
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 Operators:DAMIN
 Test Date:2020-09-22

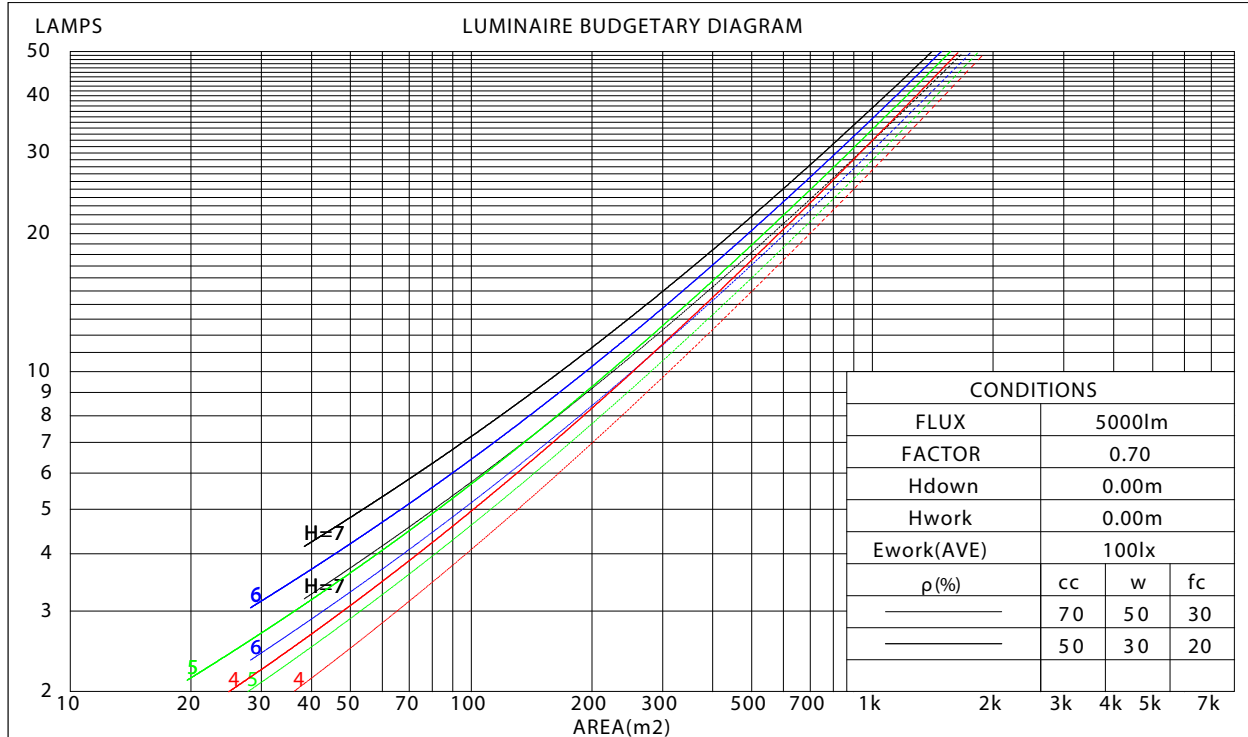
γRange: 0 - 90DEG
 γInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

NXTGen 300x1200 40W LED Panel Light

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{FC}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.79	.89	.83	.78	.86	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.65	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.71	.62	.55	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.47	.58	.51	.46	.56	.50	.46	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38
7.0	.51	.43	.36	.51	.42	.36	.49	.41	.36	.48	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-09-22

YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

NXTGen 300x1200 40W LED Panel Light

WEC AND CCEC

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm								
NAME:			TYPE:			WEIGHT:		
DIM.:			SPEC.:			SERIAL No.:		
MFR.: EVERFINE			SUR.:			PROTECTION ANGLE:		

ρcc	80%			70%			50%			30%			10%			0
ρw	50 %	30 %	10%	50 %	30 %	10%	50 %	30 %	10%	50 %	30 %	10%	50 %	30 %	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.299	.170	.054	.292	.167	.053	.279	.160	.051	.267	.154	.049	.256	.148	.048	
2.0	.287	.157	.048	.281	.155	.048	.269	.150	.046	.258	.145	.045	.248	.140	.044	
3.0	.267	.142	.043	.262	.140	.042	.252	.136	.041	.242	.133	.041	.233	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036	
5.0	.229	.117	.034	.225	.116	.034	.217	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.101	.030	.189	.099	.030	
7.0	.198	.098	.028	.195	.097	.028	.189	.095	.027	.182	.094	.027	.177	.092	.027	
8.0	.185	.091	.025	.182	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.163	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50 %	30 %	10%	50 %	30 %	10%	50 %	30 %	10%	50 %	30 %	10%	50 %	30 %	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.060	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-09-22

YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

NXTGen 300x1200 40W LED Panel Light

Uncorrected UGR Table

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm										
NAME:					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:			PROTECTION ANGLE:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2 H y = 2H	17.4	18.9	17.6	19.1	19.3	17.5	19.1	17.8	19.3	19.5
3H	18.8	20.2	19.1	20.5	20.7	19.1	20.5	19.4	20.8	21.0
4H	19.4	20.7	19.7	20.9	21.2	19.8	21.1	20.1	21.4	21.6
6H	19.7	21.0	20.0	21.2	21.5	19.9	21.1	20.2	21.4	21.7
8H	19.8	21.0	20.2	21.3	21.6	19.8	21.0	20.1	21.3	21.6
12H	19.9	21.0	20.2	21.3	21.6	19.7	20.9	20.1	21.2	21.5
4 H 2H	18.0	19.3	18.3	19.6	19.8	18.1	19.5	18.5	19.7	20.0
3H	19.6	20.8	20.0	21.1	21.4	19.9	21.1	20.3	21.4	21.7
4H	20.3	21.3	20.6	21.6	22.0	20.7	21.8	21.1	22.1	22.4
6H	20.7	21.7	21.1	22.0	22.4	20.8	21.8	21.2	22.1	22.5
8H	20.9	21.8	21.3	22.1	22.5	20.8	21.7	21.2	22.0	22.4
12H	21.0	21.8	21.4	22.2	22.6	20.7	21.5	21.2	21.9	22.3
8 H 4H	20.6	21.5	21.0	21.8	22.2	21.0	21.8	21.4	22.2	22.6
6H	21.2	21.9	21.6	22.3	22.7	21.1	21.9	21.6	22.3	22.7
8H	21.4	22.1	21.9	22.5	22.9	21.1	21.7	21.6	22.2	22.6
12H	21.6	22.2	22.1	22.6	23.1	21.1	21.6	21.5	22.1	22.5
12 H 4H	20.6	21.4	21.0	21.7	22.2	21.0	21.8	21.4	22.2	22.6
6H	21.2	21.8	21.7	22.3	22.7	21.2	21.8	21.6	22.2	22.7
8H	21.4	22.0	21.9	22.4	22.9	21.1	21.7	21.6	22.1	22.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 4137 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.9)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
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 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-09-22

YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

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UTILIZATION FACTORS TABLE

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	65	57
1.50	88	79	72	87	78	71	84	76	70	63
2.00	95	87	81	94	86	80	90	83	78	71
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	91	101	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	101	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

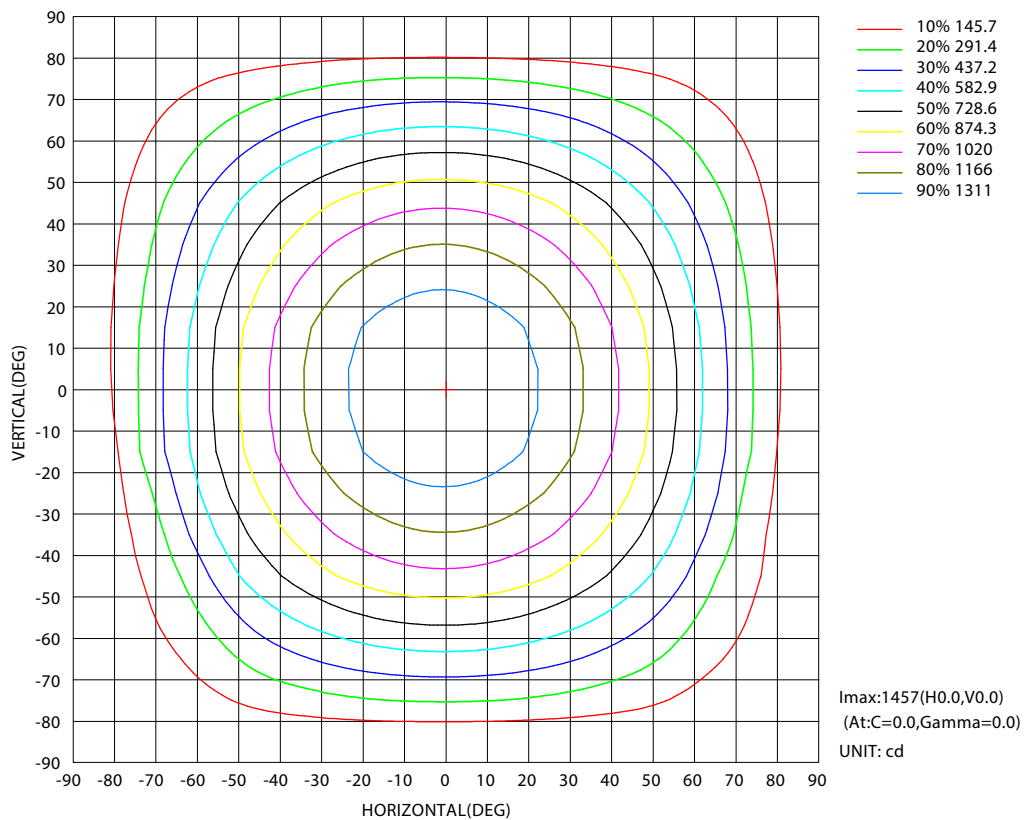
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YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
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NXTGen 300x1200 40W LED Panel Light

ISOCANDELA DIAGRAM

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm		
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DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



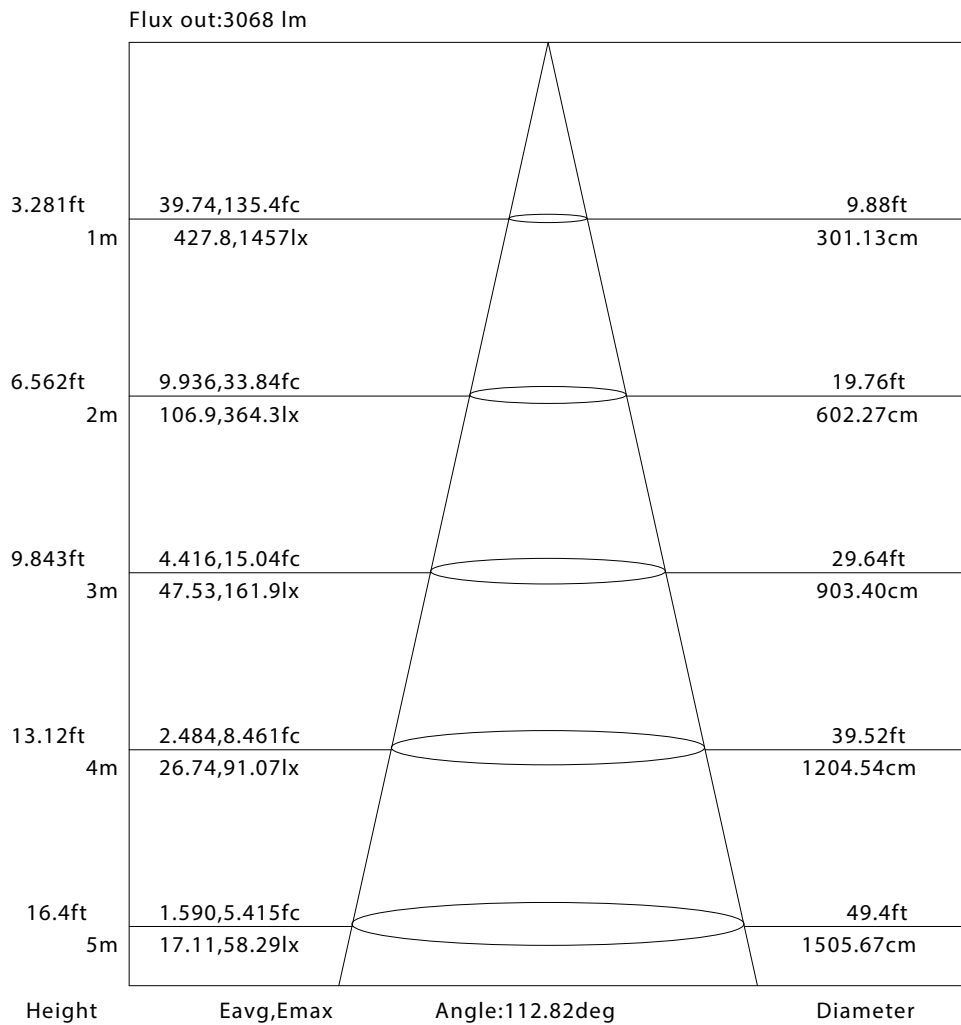
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 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-09-22

YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
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 Remarks:

NXTGen 300x1200 40W LED Panel Light

AAI Figure

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

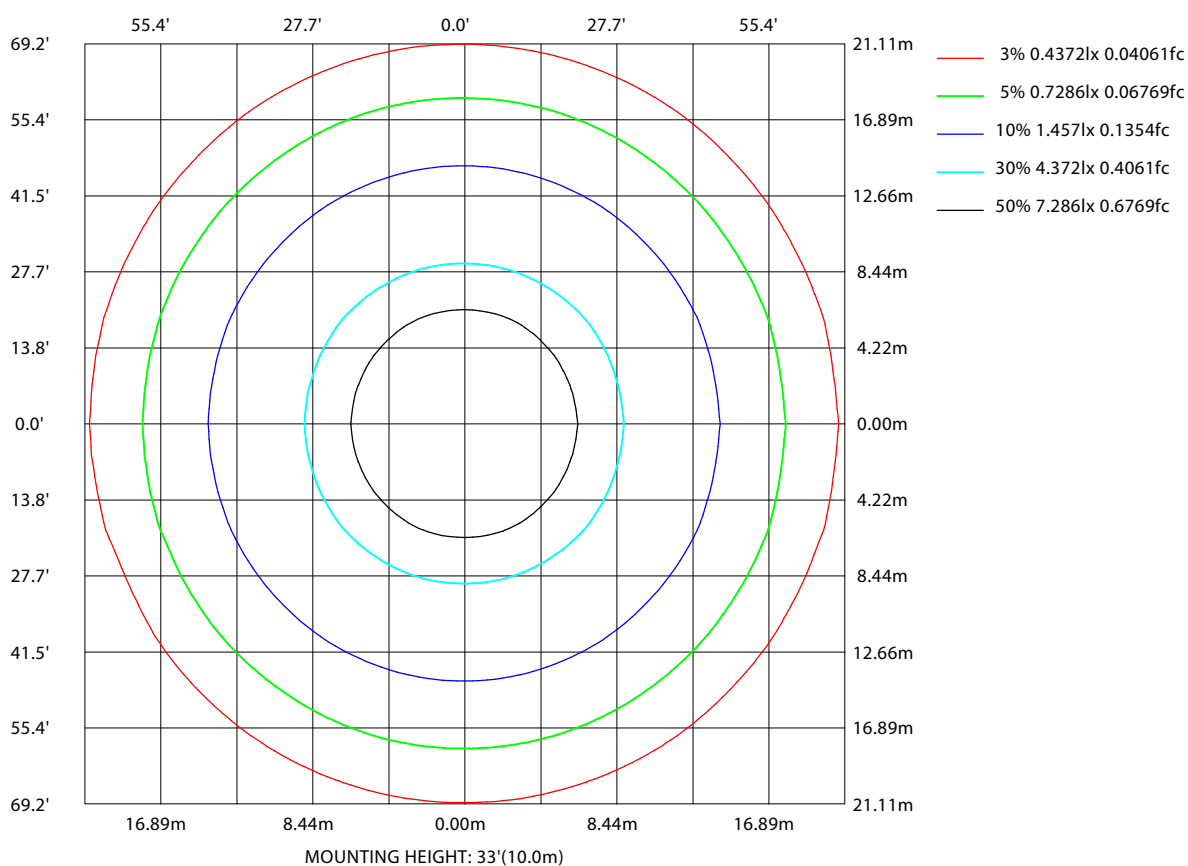
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NXTGen 300x1200 40W LED Panel Light

ISOLUX DIAGRAM

Test:U:230.5V I:0.1720A P:37.80W PF:0.9540 Lamp Flux:4137.02x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

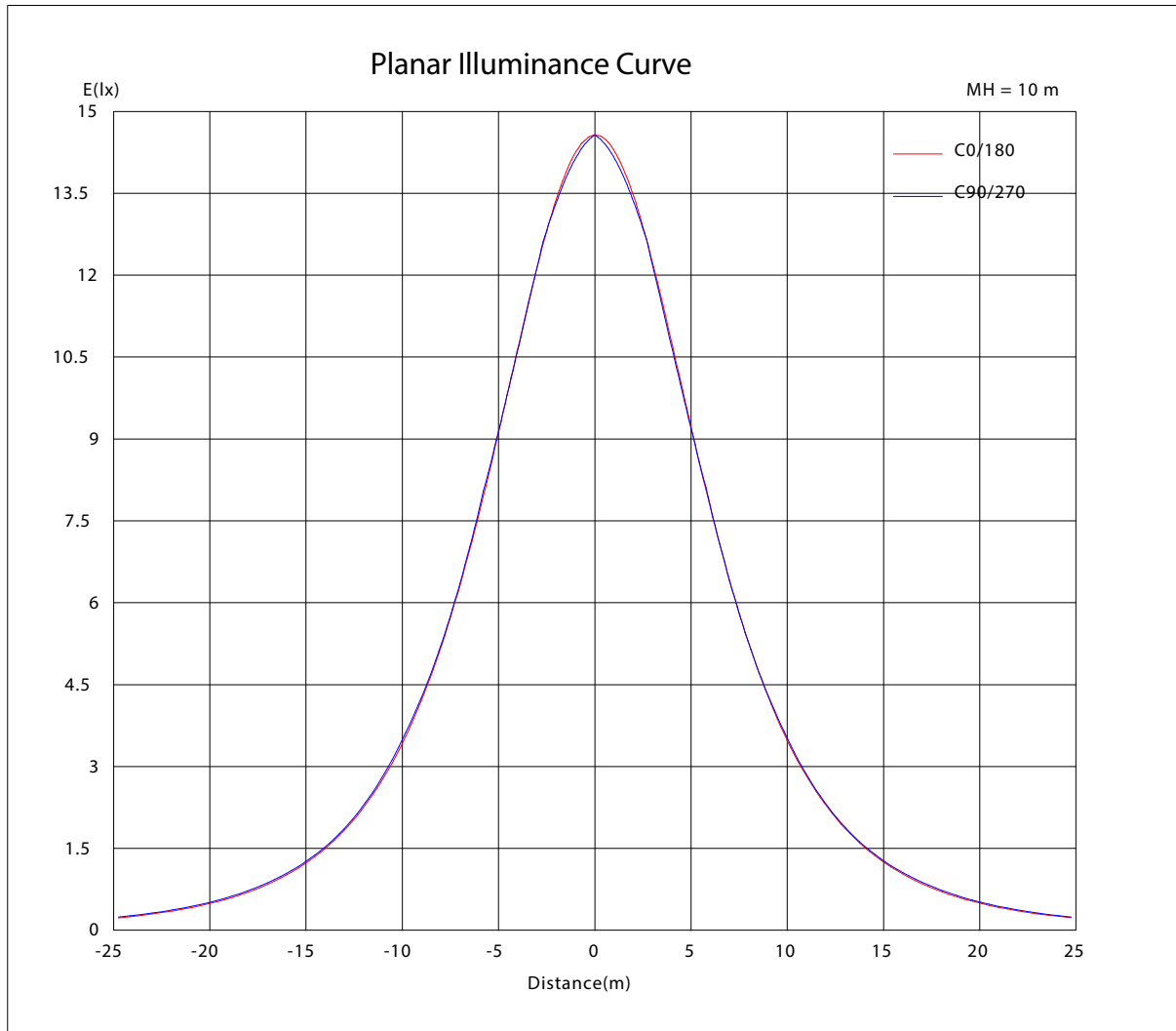


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2020-09-22

YRange: 0 - 90DEG
 YInterval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

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DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) Y(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457				
5	1439	1440	1440	1439	1439	1440	1440	1441	1442	1442	1443	1444	1445	1446	1447				
10	1421	1420	1420	1419	1418	1418	1418	1417	1417	1418	1418	1419	1421	1423	1426				
15	1401	1400	1398	1395	1393	1390	1388	1387	1385	1385	1384	1384	1386	1388	1391				
20	1352	1352	1352	1351	1353	1355	1353	1349	1345	1342	1340	1340	1340	1342	1346				
25	1298	1296	1295	1294	1293	1292	1293	1295	1298	1292	1287	1285	1283	1285	1289				
30	1243	1241	1237	1233	1229	1227	1225	1224	1224	1228	1226	1220	1217	1217	1221				
35	1163	1163	1163	1163	1165	1158	1152	1148	1146	1146	1149	1148	1142	1140	1143				
40	1077	1075	1073	1072	1071	1071	1074	1070	1063	1059	1058	1062	1058	1054	1056				
45	991	988	983	979	975	973	972	974	977	968	963	963	967	960	961				
50	885	883	882	882	880	874	869	866	866	870	863	858	861	858	857				
55	774	771	769	767	765	764	765	759	754	753	757	751	748	750	746				
60	663	660	656	653	649	646	644	643	643	637	635	640	632	633	630				
65	542	540	538	536	534	530	526	522	520	519	516	513	516	510	510				
70	418	416	415	413	411	409	407	405	401	397	395	393	391	391	390				
75	295	294	293	291	290	289	288	286	284	282	279	274	274	274	272				
80	19.5	34.1	52.2	73.5	97.2	123	150	172	172	171	169	167	165	165	164				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.8	65.9	72.6	72.8	71.4				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

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