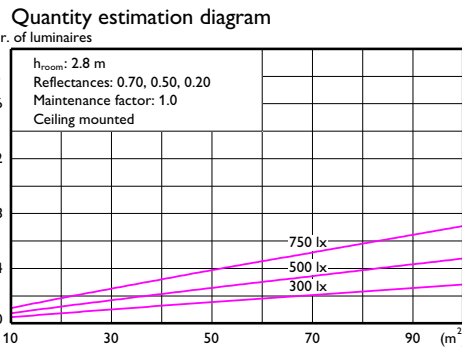
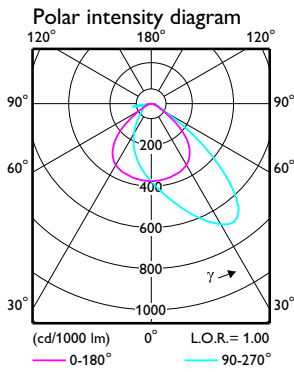


TANGO G3 BVP381 LED110WW 1xLED AMB

1 x 11000 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	88237	198506	194093
50.0	71994	173836	147530
55.0	50219	126663	92322
60.0	31772	77153	43437
65.0	23546	46427	31173
70.0	20569	29544	29469
75.0	19965	22931	33210
80.0	24307	22245	29022
85.0	28471	30232	41385
90.0	-	-	-

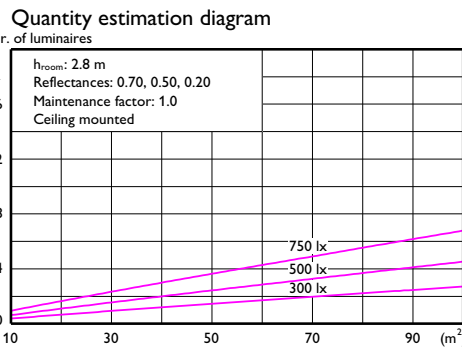
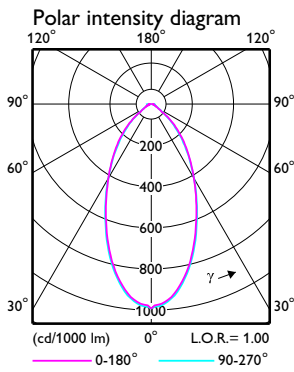
(cd/m²)

LVC1161708

2016-12-23

TANGO G3 BVP381 LED110WW 1xLED SMB

1 x 11000 lm

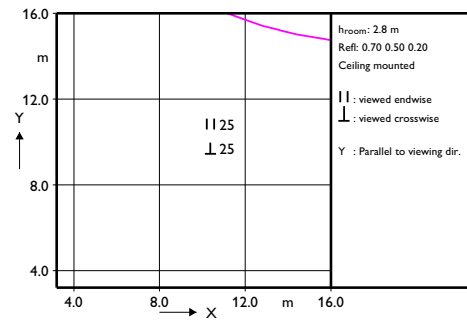


Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	67797	60923	63311
50.0	50065	45369	46961
55.0	27830	33048	28009
60.0	19647	25121	20363
65.0	16404	21488	17493
70.0	14884	19521	16530
75.0	14529	18878	16506
80.0	15763	17236	19151
85.0	33754	17904	47843
90.0	-	-	-

(cd/m²)

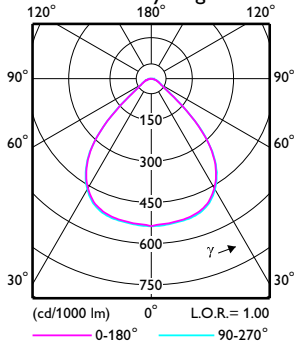
LVC1161709

2016-12-23

TANGO G3 BVP381 LED110WW 1xLED SWB

1 x 11000 lm

Polar intensity diagram

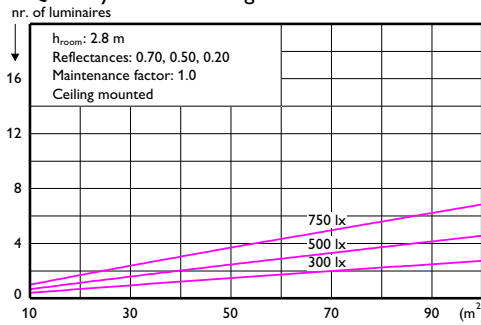


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 26

Quantity estimation diagram

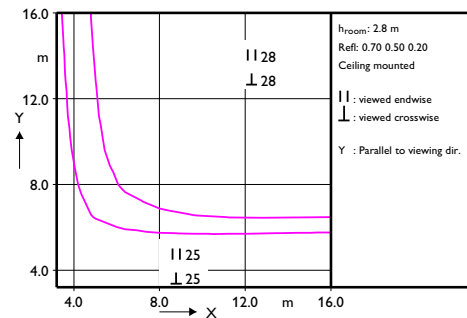


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	88526	88671	89431
50.0	49389	57786	50344
55.0	25912	36349	27072
60.0	20772	26247	21591
65.0	18159	21791	19430
70.0	17203	18699	18774
75.0	16901	19669	18681
80.0	13848	18857	16500
85.0	20839	17024	24362
90.0	-	-	-

(cd/m2)

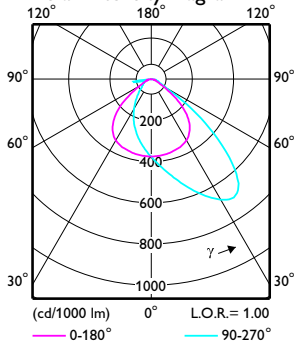
LVC1161710

2016-12-23

TANGO G3 BVP381 LED120CW 1xLED AMB

1 x 12000 lm

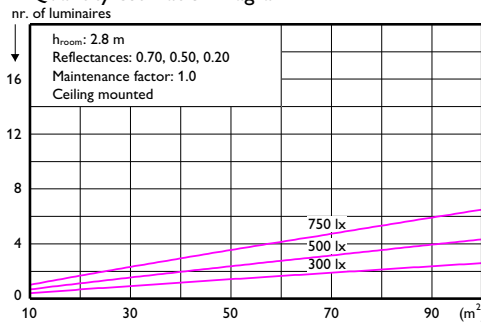
Polar intensity diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96259	216552	211737
50.0	78539	189639	160941
55.0	54785	138178	100714
60.0	34660	84167	47386
65.0	25687	50648	34007
70.0	22438	32230	32148
75.0	21781	25015	36229
80.0	26517	24267	31660
85.0	31059	32980	45148
90.0	-	-	-

(cd/m2)

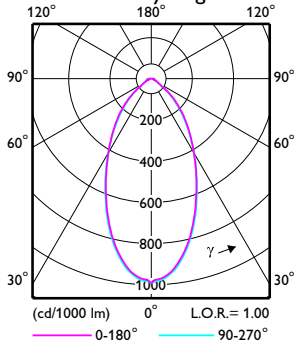
LVC1161708

2016-12-23

TANGO G3 BVP381 LED120CW 1xLED SMB

1 x 12000 lm

Polar intensity diagram

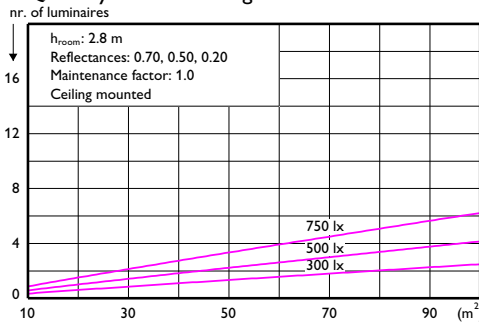


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

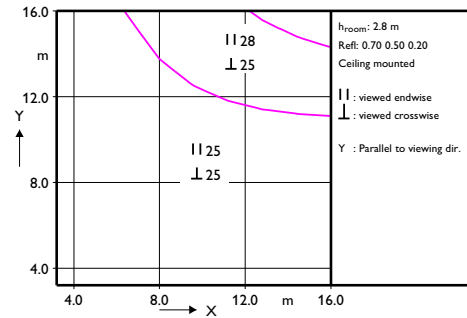


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	73960	66461	69066
50.0	54617	49494	51230
55.0	30360	36053	30555
60.0	21433	27405	22214
65.0	17895	23442	19084
70.0	16237	21296	18032
75.0	15850	20594	18007
80.0	17196	18803	20892
85.0	36823	19532	52192
90.0	-	-	-

(cd/m²)

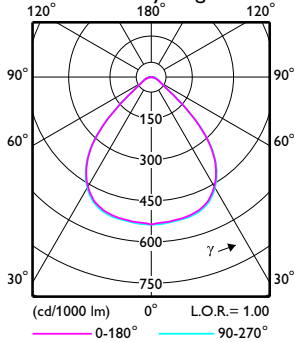
LVC1161709

2016-12-23

TANGO G3 BVP381 LED120CW 1xLED SWB

1 x 12000 lm

Polar intensity diagram

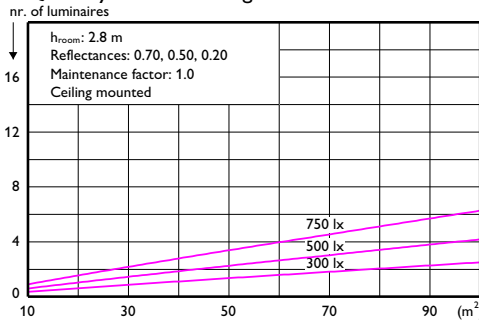


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 26

Quantity estimation diagram

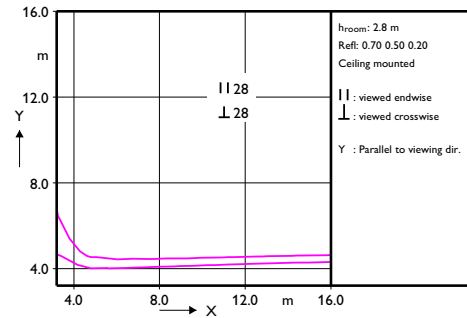


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96574	96732	97561
50.0	53879	63039	54921
55.0	28268	39653	29533
60.0	22660	28633	23553
65.0	19810	23772	21197
70.0	18767	20399	20480
75.0	18438	21457	20379
80.0	15107	20571	18000
85.0	22734	18571	26576
90.0	-	-	-

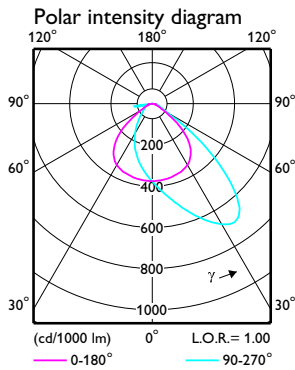
(cd/m²)

LVC1161710

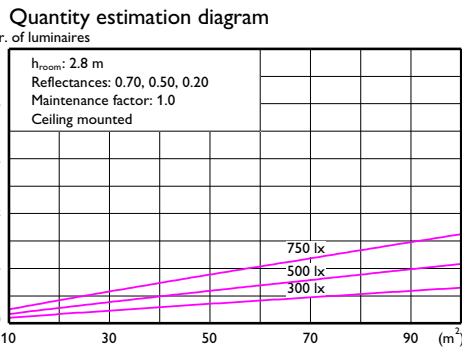
2016-12-23

TANGO G3 BVP381 LED120NW 1xLED AMB

1 x 12000 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96259	216552	211737
50.0	78539	189639	160941
55.0	54785	138178	100714
60.0	34660	84167	47386
65.0	25687	50648	34007
70.0	22438	32230	32148
75.0	21781	25015	36229
80.0	26517	24267	31660
85.0	31059	32980	45148
90.0	-	-	-

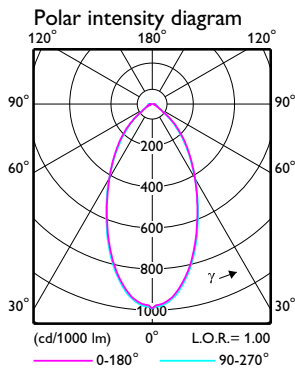
(cd/m2)

LVC1161708

2016-12-23

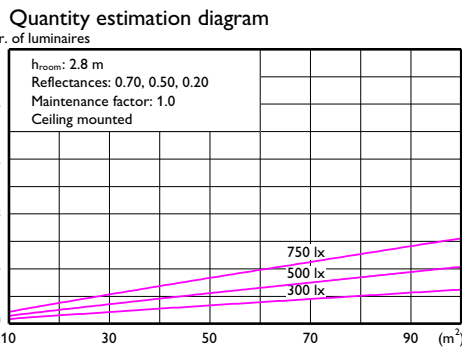
TANGO G3 BVP381 LED120NW 1xLED SMB

1 x 12000 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 25

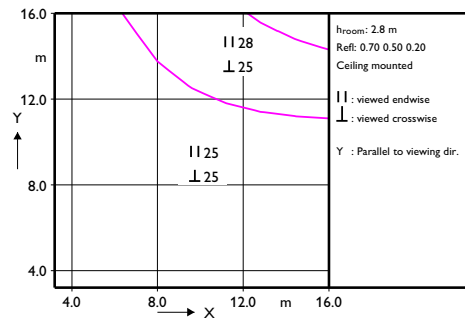


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	73960	66461	69066
50.0	54617	49494	51230
55.0	30360	36053	30555
60.0	21433	27405	22214
65.0	17895	23442	19084
70.0	16237	21296	18032
75.0	15850	20594	18007
80.0	17196	18803	20892
85.0	36823	19532	52192
90.0	-	-	-

(cd/m2)

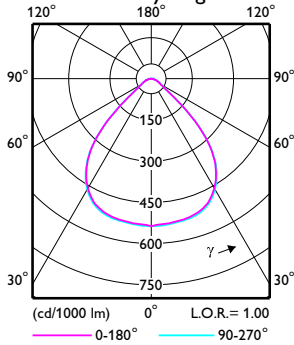
LVC1161709

2016-12-23

TANGO G3 BVP381 LED120NW 1xLED SWB

1 x 12000 lm

Polar intensity diagram

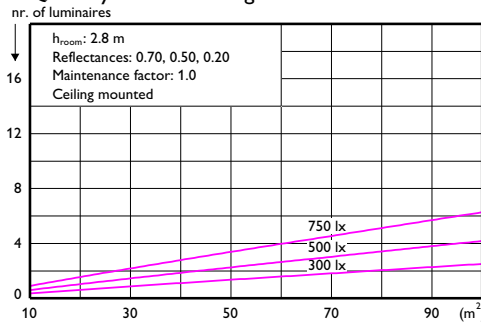


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 26

Quantity estimation diagram

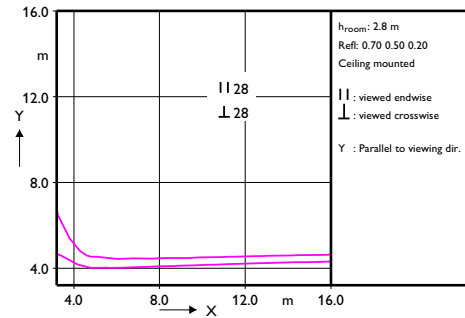


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
1.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
1.25	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
1.50	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
2.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
2.50	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
3.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
4.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
5.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96574	96732	97561
50.0	53879	63039	54921
55.0	28268	39653	29533
60.0	22660	28633	23553
65.0	19810	23772	21197
70.0	18767	20399	20480
75.0	18438	21457	20379
80.0	15107	20571	18000
85.0	22734	18571	26576
90.0	-	-	-

(cd/m²)

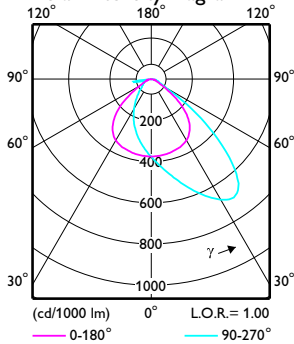
LVC1161710

2016-12-23

TANGO G3 BVP381 LED55WW 1xLED AMB

1 x 5500 lm

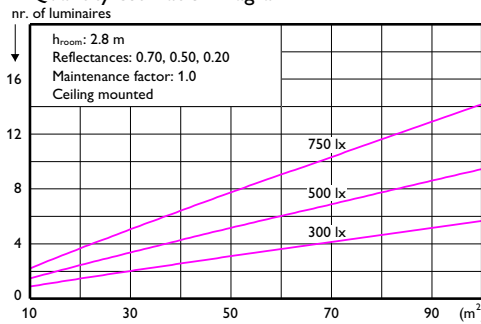
Polar intensity diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
1.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
1.25	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
1.50	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
2.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
2.50	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
3.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
4.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
5.00	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	44119	99253	97046
50.0	35997	86918	73765
55.0	25110	63332	46161
60.0	15886	38577	21719
65.0	11773	23214	15587
70.0	10284	14772	14735
75.0	9983	11465	16605
80.0	12154	11122	14511
85.0	14235	15116	20693
90.0	-	-	-

(cd/m²)

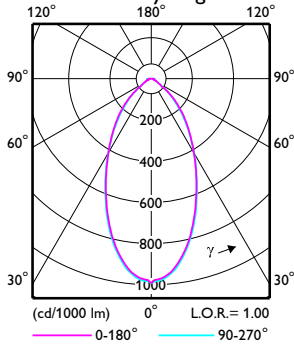
LVC1161708

2016-12-23

TANGO G3 BVP381 LED55WW 1xLED SMB

1 x 5500 lm

Polar intensity diagram

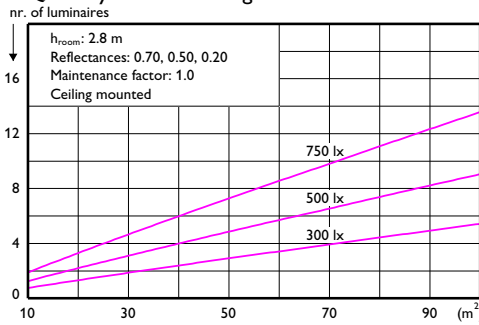


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 23

Quantity estimation diagram

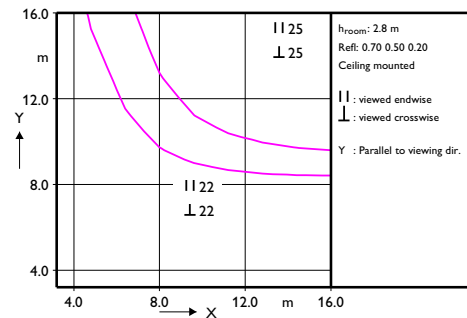


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	33898	30462	31655
50.0	25033	22685	23481
55.0	13915	16524	14004
60.0	9823	12560	10181
65.0	8202	10744	8747
70.0	7442	9761	8265
75.0	7265	9439	8253
80.0	7881	8618	9576
85.0	16877	8952	23921
90.0	-	-	-

(cd/m²)

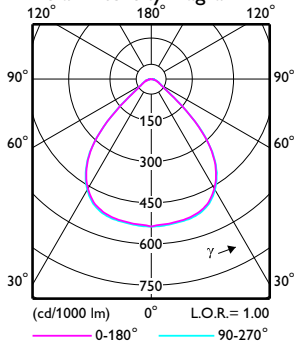
LVC1161709

2016-12-23

TANGO G3 BVP381 LED55WW 1xLED SWB

1 x 5500 lm

Polar intensity diagram

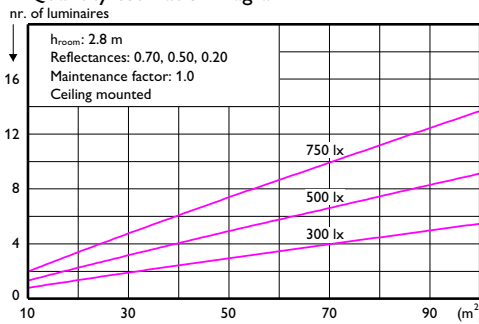


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 23

Quantity estimation diagram

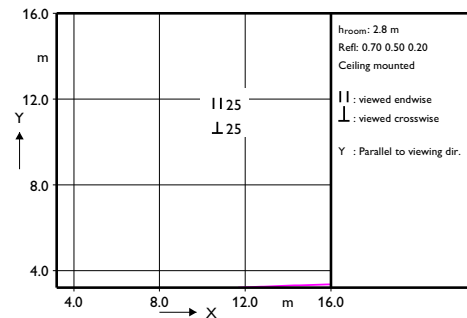


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	44263	44336	44715
50.0	24694	28893	25172
55.0	12956	18174	13536
60.0	10386	13123	10795
65.0	9080	10896	9715
70.0	8601	9349	9387
75.0	8451	9834	9340
80.0	6924	9428	8250
85.0	10420	8512	12181
90.0	-	-	-

(cd/m²)

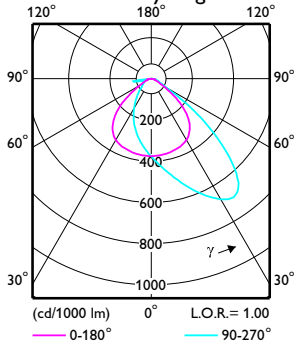
LVC1161710

2016-12-23

TANGO G3 BVP381 LED60CW 1xLED AMB

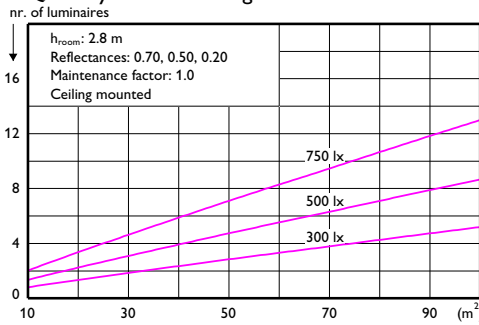
1 x 6000 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	48129	108276	105869
50.0	39269	94820	80471
55.0	27392	69089	50357
60.0	17330	42084	23693
65.0	12844	25324	17004
70.0	11219	16115	16074
75.0	10890	12508	18114
80.0	13259	12134	15830
85.0	15530	16490	22574
90.0	-	-	-

(cd/m²)

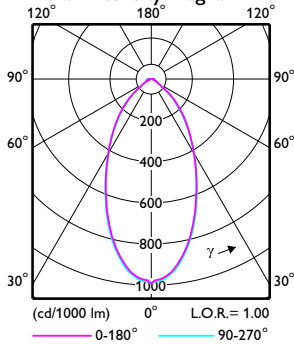
LVC1161708

2016-12-23

TANGO G3 BVP381 LED60CW 1xLED SMB

1 x 6000 lm

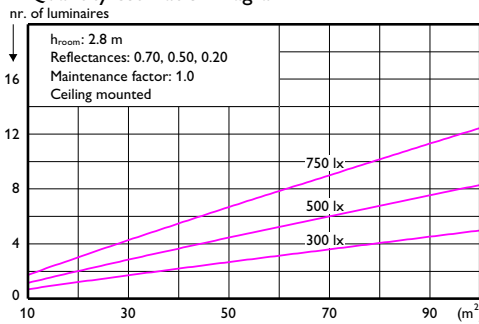
Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 23

Quantity estimation diagram

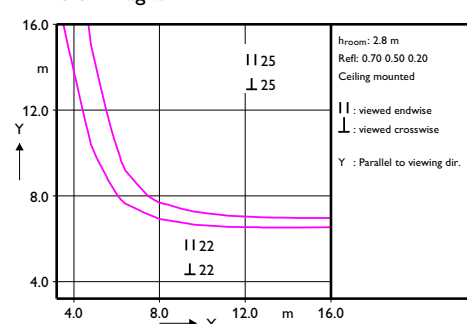


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	36980	33231	34533
50.0	27308	24747	25615
55.0	15180	18026	15277
60.0	10716	13702	11107
65.0	8948	11721	9542
70.0	8119	10648	9016
75.0	7925	10297	9003
80.0	8598	9402	10446
85.0	18411	9766	26096
90.0	-	-	-

(cd/m²)

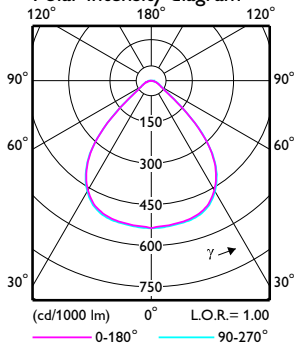
LVC1161709

2016-12-23

TANGO G3 BVP381 LED60 CW 1xLED SWB

1 x 6000 lm

Polar intensity diagram

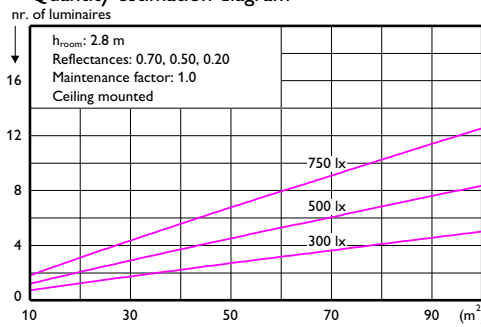


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

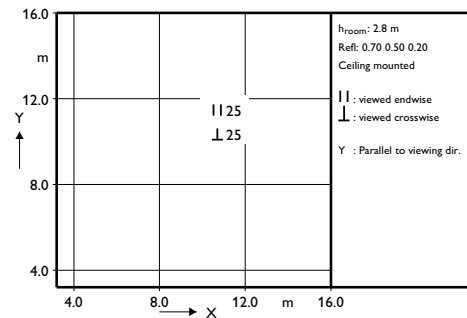


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	48287	48366	48781
50.0	26939	31520	27460
55.0	14134	19827	14767
60.0	11330	14316	11777
65.0	9905	11886	10598
70.0	9383	10199	10240
75.0	9219	10729	10189
80.0	7553	10285	9000
85.0	11367	9286	13288
90.0	-	-	-

(cd/m²)

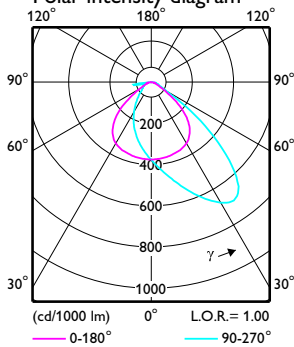
LVC1161710

2016-12-23

TANGO G3 BVP381 LED60NW 1xLED AMB

1 x 6000 lm

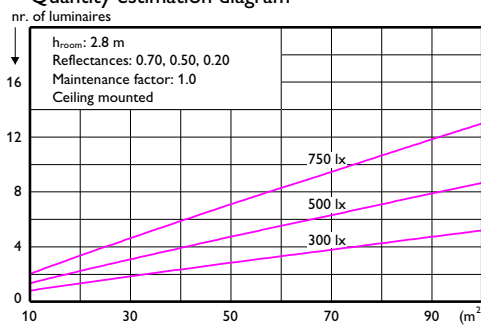
Polar intensity diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	48129	108276	105869
50.0	39269	94820	80471
55.0	27392	69089	50357
60.0	17330	42084	23693
65.0	12844	25324	17004
70.0	11219	16115	16074
75.0	10890	12508	18114
80.0	13259	12134	15830
85.0	15530	16490	22574
90.0	-	-	-

(cd/m²)

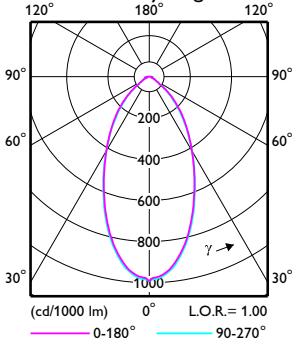
LVC1161708

2016-12-23

TANGO G3 BVP381 LED60NW 1xLED SMB

1 x 6000 lm

Polar intensity diagram

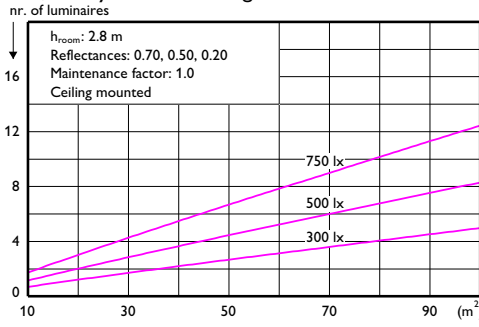


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 23

Quantity estimation diagram

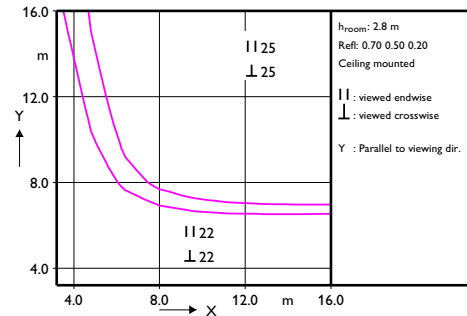


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	36980	33231	34533
50.0	27308	24747	25615
55.0	15180	18026	15277
60.0	10716	13702	11107
65.0	8948	11721	9542
70.0	8119	10648	9016
75.0	7925	10297	9003
80.0	8598	9402	10446
85.0	18411	9766	26096
90.0	-	-	-

(cd/m²)

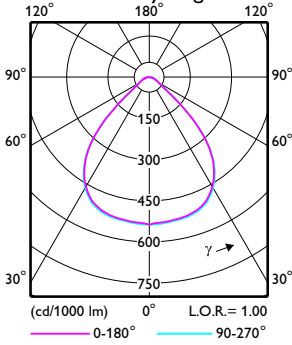
LVC1161709

2016-12-23

TANGO G3 BVP381 LED60NW 1xLED SWB

1 x 6000 lm

Polar intensity diagram

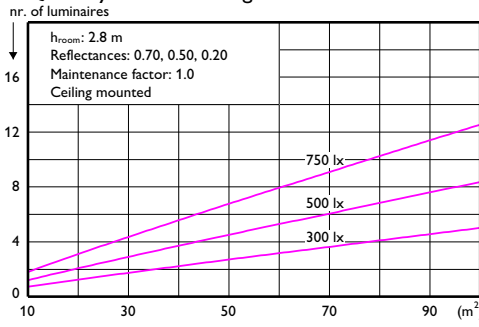


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

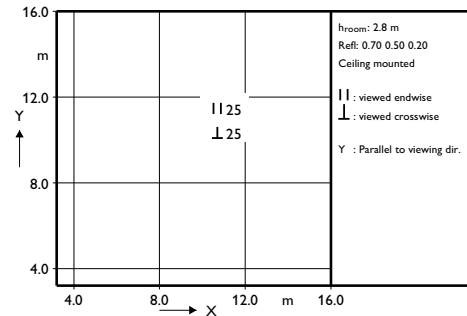


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	48287	48366	48781
50.0	26939	31520	27460
55.0	14134	19827	14767
60.0	11330	14316	11777
65.0	9905	11886	10598
70.0	9383	10199	10240
75.0	9219	10729	10189
80.0	7553	10285	9000
85.0	11367	9286	13288
90.0	-	-	-

(cd/m²)

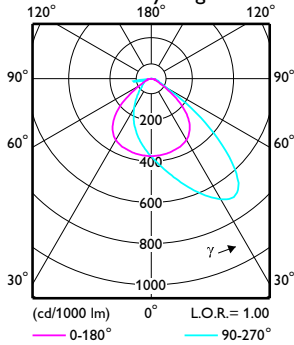
LVC1161710

2016-12-23

TANGO G3 BVP381 LED77WW 1xLED AMB

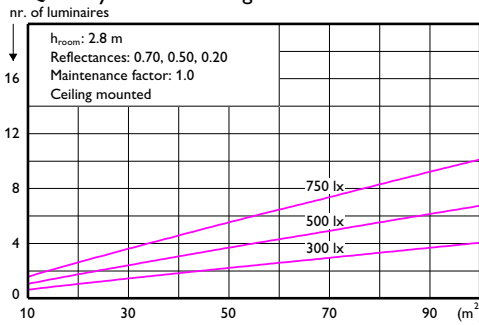
1 x 7700 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	61766	138954	135865
50.0	50396	121685	103271
55.0	35154	88664	64625
60.0	22240	54007	30406
65.0	16483	32499	21821
70.0	14398	20681	20628
75.0	13976	16051	23247
80.0	17015	15571	20315
85.0	19930	21162	28970
90.0	-	-	-

(cd/m²)

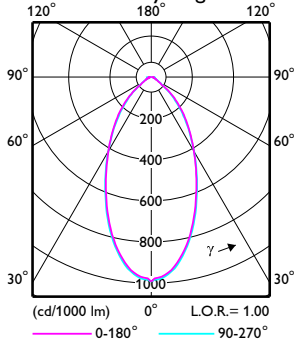
LVC1161708

2016-12-23

TANGO G3 BVP381 LED77WW 1xLED SMB

1 x 7700 lm

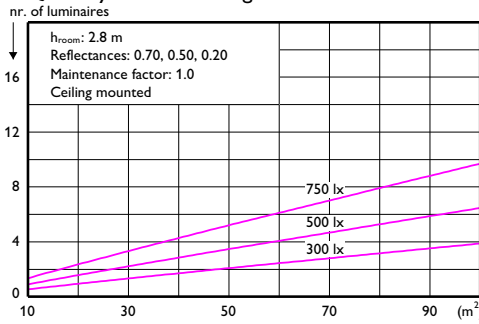
Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

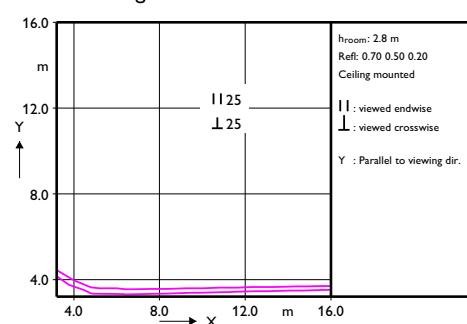


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	47458	42646	44318
50.0	35046	31758	32873
55.0	19481	23134	19606
60.0	13753	17585	14254
65.0	11483	15042	12245
70.0	10419	13665	11571
75.0	10171	13215	11554
80.0	11034	12065	13406
85.0	23628	12533	33490
90.0	-	-	-

(cd/m²)

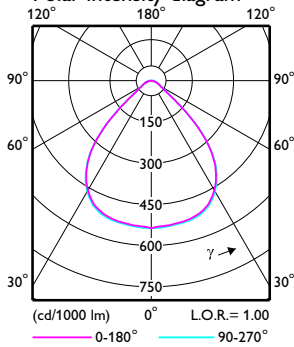
LVC1161709

2016-12-23

TANGO G3 BVP381 LED77WW 1xLED SWB

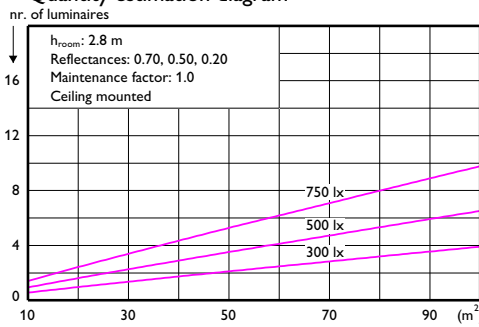
1 x 7700 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 71 94 99 100 100
 UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

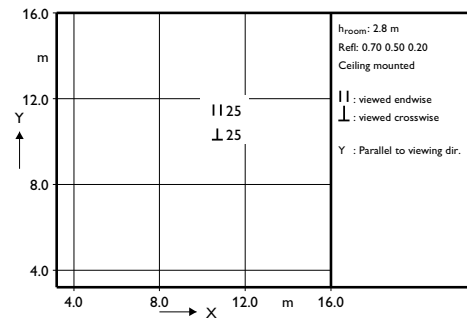


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	61969	62070	62602
50.0	34572	40450	35241
55.0	18139	25444	18950
60.0	14540	18373	15113
65.0	12711	15254	13601
70.0	12042	13089	13141
75.0	11831	13768	13076
80.0	9693	13200	11550
85.0	14588	11917	17053
90.0	-	-	-

(cd/m²)

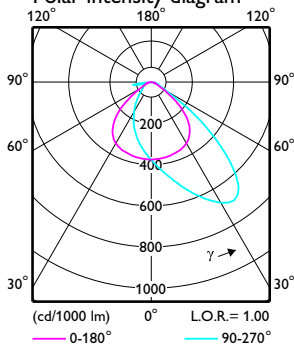
LVC1161710

2016-12-23

TANGO G3 BVP381 LED84CW 1xLED AMB

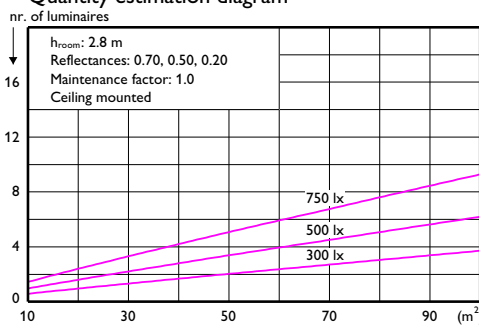
1 x 8400 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	67381	151587	148216
50.0	54977	132747	112659
55.0	38349	96725	70500
60.0	24262	58917	33170
65.0	17981	35453	23805
70.0	15707	22561	22504
75.0	15246	17511	25360
80.0	18562	16987	22162
85.0	21741	23086	31603
90.0	-	-	-

(cd/m²)

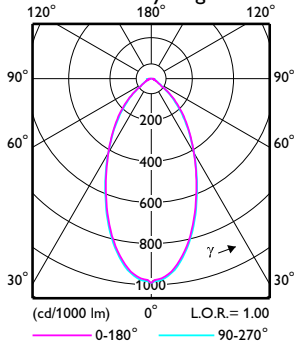
LVC1161708

2016-12-23

TANGO G3 BVP381 LED84CW 1xLED SMB

1 x 8400 lm

Polar intensity diagram

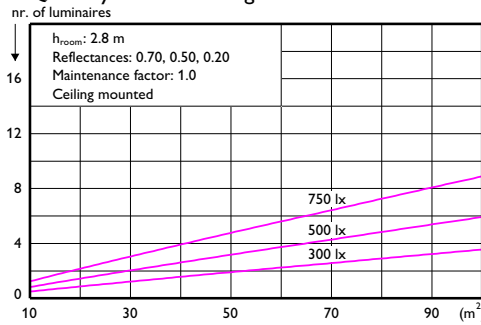


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

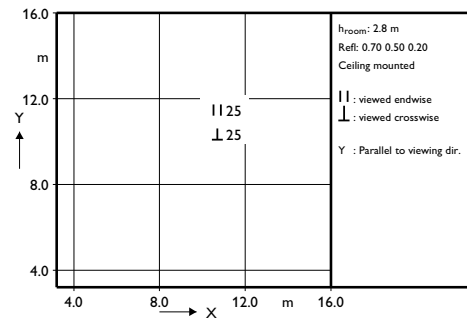


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	51772	46523	48346
50.0	38232	34646	35861
55.0	21252	25237	21388
60.0	15003	19183	15550
65.0	12527	16409	13359
70.0	11366	14907	12623
75.0	11095	14416	12605
80.0	12037	13162	14625
85.0	25776	13672	36534
90.0	-	-	-

(cd/m²)

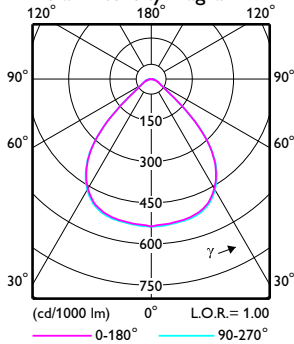
LVC1161709

2016-12-23

TANGO G3 BVP381 LED84CW 1xLED SWB

1 x 8400 lm

Polar intensity diagram

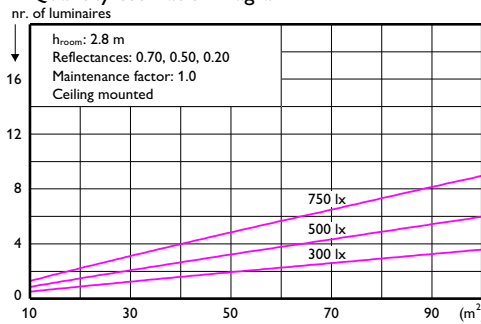


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

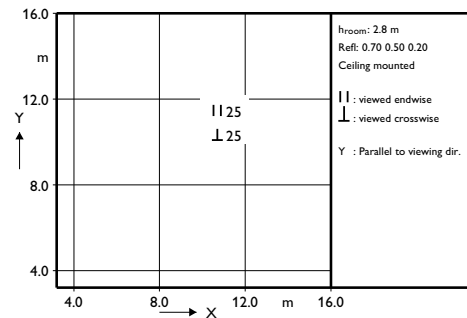


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	67602	67713	68293
50.0	37715	44128	38444
55.0	19788	27757	20673
60.0	15862	20043	16487
65.0	13867	16640	14838
70.0	13137	14279	14336
75.0	12907	15020	14265
80.0	10575	14400	12600
85.0	15914	13000	18603
90.0	-	-	-

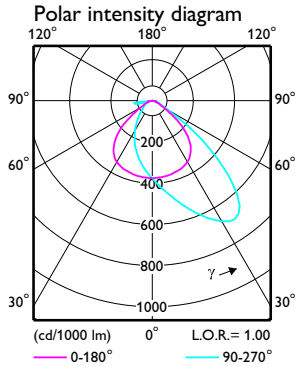
(cd/m²)

LVC1161710

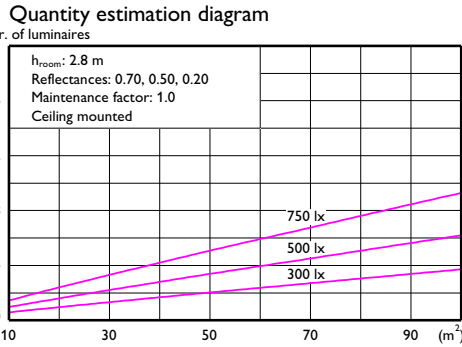
2016-12-23

TANGO G3 BVP381 LED84NW 1xLED AMB

1 x 8400 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	67381	151587	148216
50.0	54977	132747	112659
55.0	38349	96725	70500
60.0	24262	58917	33170
65.0	17981	35453	23805
70.0	15707	22561	22504
75.0	15246	17511	25360
80.0	18562	16987	22162
85.0	21741	23086	31603
90.0	-	-	-

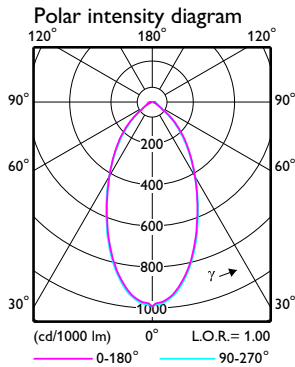
(cd/m²)

LVC1161708

2016-12-23

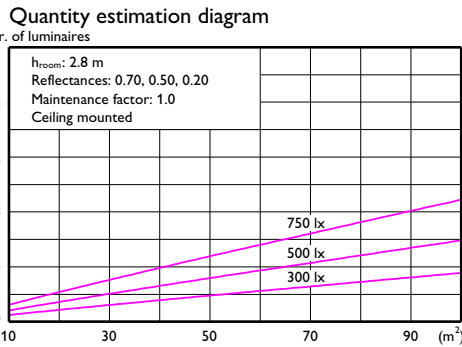
TANGO G3 BVP381 LED84NW 1xLED SMB

1 x 8400 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 24

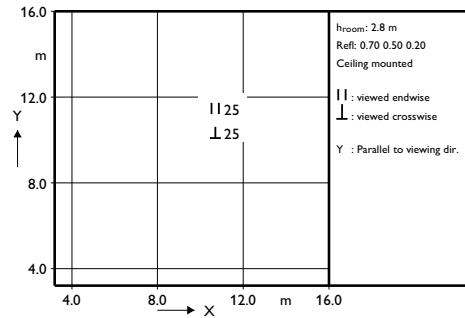


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	51772	46523	48346
50.0	38232	34646	35861
55.0	21252	25237	21388
60.0	15003	19183	15550
65.0	12527	16409	13359
70.0	11366	14907	12623
75.0	11095	14416	12605
80.0	12037	13162	14625
85.0	25776	13672	36534
90.0	-	-	-

(cd/m²)

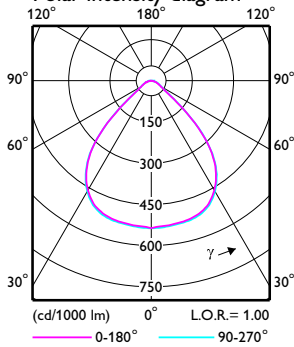
LVC1161709

2016-12-23

TANGO G3 BVP381 LED84NW 1xLED SWB

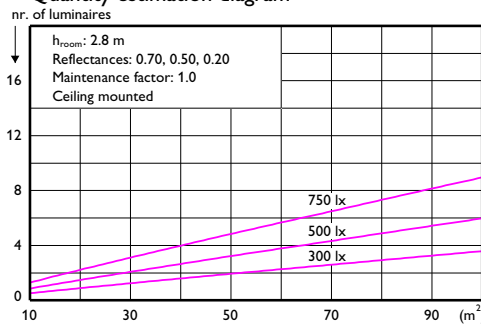
1 x 8400 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 71 94 99 100 100
 UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

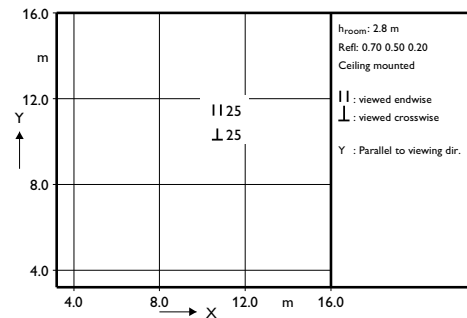


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	67602	67713	68293
50.0	37715	44128	38444
55.0	19788	27757	20673
60.0	15862	20043	16487
65.0	13867	16640	14838
70.0	13137	14279	14336
75.0	12907	15020	14265
80.0	10575	14400	12600
85.0	15914	13000	18603
90.0	-	-	-

(cd/m2)

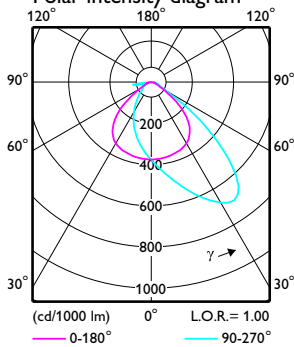
LVC1161710

2016-12-23

TANGO G3 BVP382 LED132WW 1xLED AMB

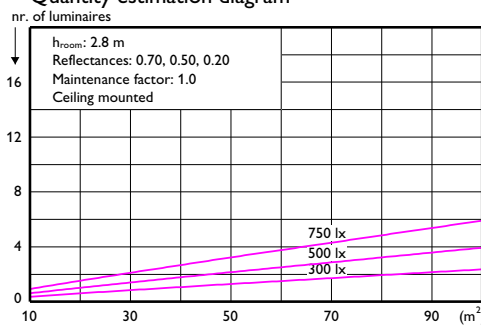
1 x 13200 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	52942	119104	116456
50.0	43196	104302	88518
55.0	30132	75998	55393
60.0	19063	46292	26062
65.0	14128	27856	18704
70.0	12341	17726	17682
75.0	11979	13758	19926
80.0	14584	13347	17413
85.0	17082	18139	24831
90.0	-	-	-

(cd/m2)

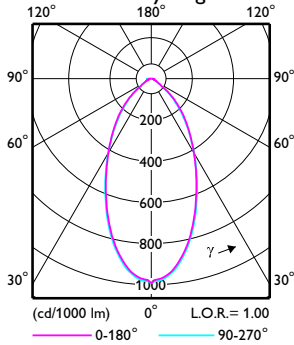
LVC1161708

2016-12-23

TANGO G3 BVP382 LED132WW 1xLED SMB

1 x 13200 lm

Polar intensity diagram

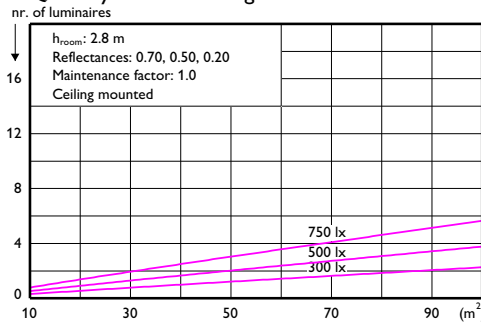


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 23

Quantity estimation diagram

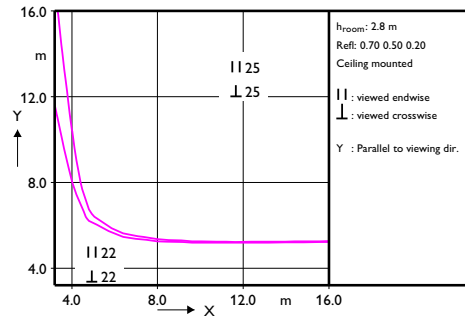


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	40678	36554	37986
50.0	30039	27222	28177
55.0	16698	19829	16805
60.0	11788	15073	12218
65.0	9842	12893	10496
70.0	8931	11713	9918
75.0	8718	11327	9904
80.0	9458	10342	11491
85.0	20252	10743	28706
90.0	-	-	-

(cd/m²)

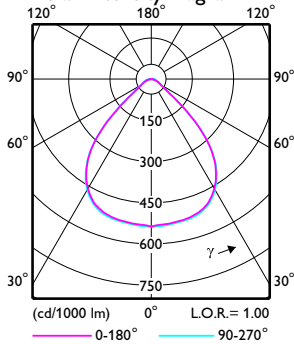
LVC1161709

2016-12-23

TANGO G3 BVP382 LED132WW 1xLED SWB

1 x 13200 lm

Polar intensity diagram

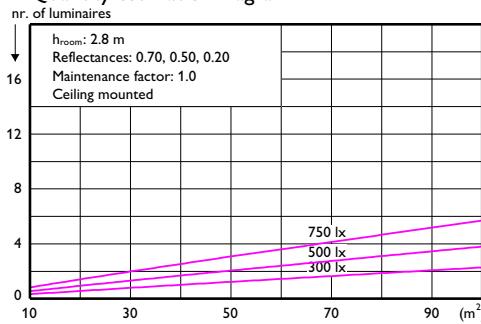


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

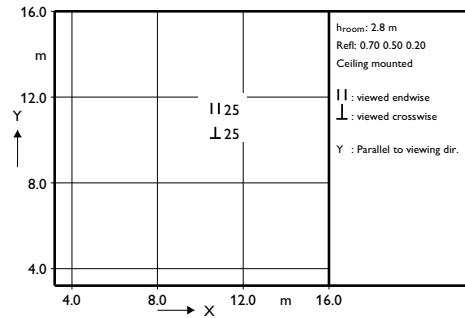


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	53116	53203	53659
50.0	29633	34672	30206
55.0	15547	21809	16243
60.0	12463	15748	12954
65.0	10896	13075	11658
70.0	10322	11219	11264
75.0	10141	11801	11208
80.0	8309	11314	9900
85.0	12504	10214	14617
90.0	-	-	-

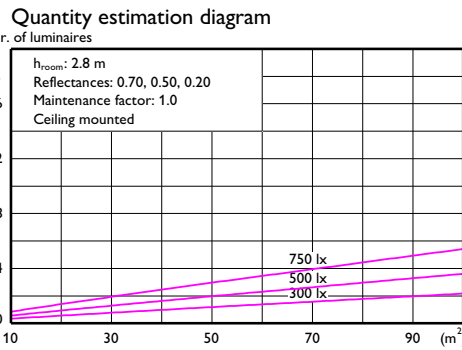
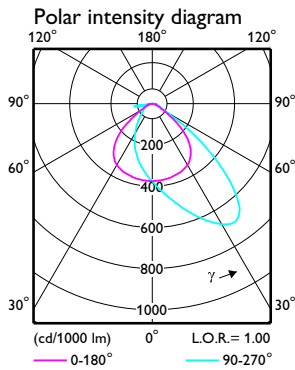
(cd/m²)

LVC1161710

2016-12-23

TANGO G3 BVP382 LED144CW 1xLED AMB

1 x 14400 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Luminance Table

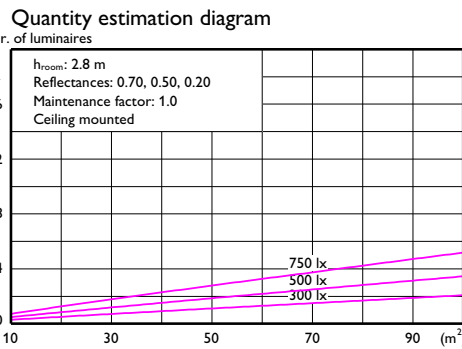
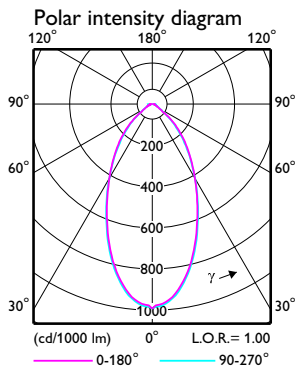
Plane Cone	0.0	45.0	90.0
45.0	57755	129931	127042
50.0	47123	113783	96565
55.0	32871	82907	60429
60.0	20796	50500	28432
65.0	15412	30389	20404
70.0	13463	19338	19289
75.0	13068	15009	21737
80.0	15910	14560	18996
85.0	18635	19788	27089
90.0	-	-	-

LVC1161708

2016-12-23

TANGO G3 BVP382 LED144CW 1xLED SMB

1 x 14400 lm

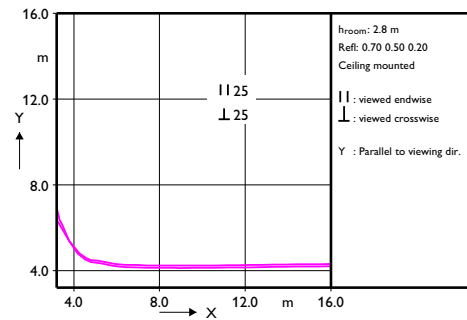


Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	44376	39877	41440
50.0	32770	29696	30738
55.0	18216	21632	18333
60.0	12860	16443	13328
65.0	10737	14065	11450
70.0	9742	12778	10819
75.0	9510	12357	10804
80.0	10318	11282	12535
85.0	22094	11719	31315
90.0	-	-	-

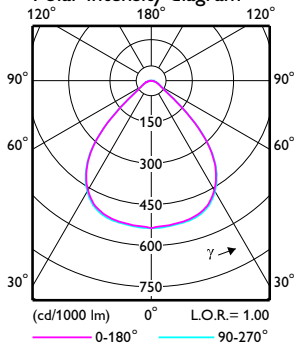
LVC1161709

2016-12-23

TANGO G3 BVP382 LED144CW 1xLED SWB

1 x 14400 lm

Polar intensity diagram

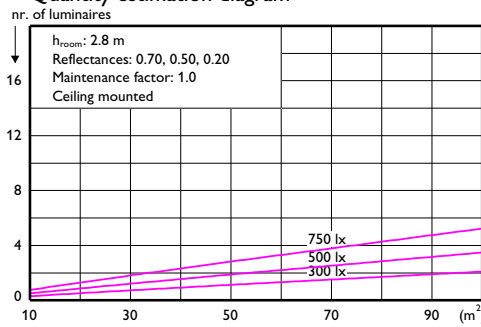


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

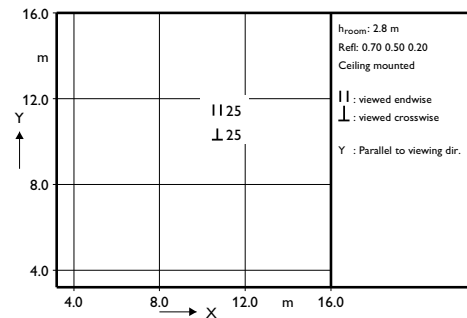


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	57945	58039	58537
50.0	32327	37824	32952
55.0	16961	23792	17720
60.0	13596	17180	14132
65.0	11886	14263	12718
70.0	11260	12239	12288
75.0	11063	12874	12227
80.0	9064	12343	10800
85.0	13640	11143	15946
90.0	-	-	-

(cd/m²)

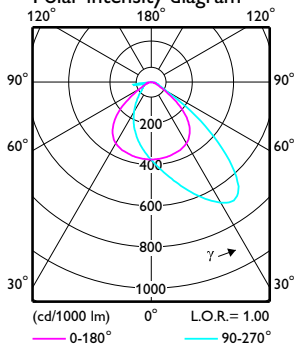
LVC1161710

2016-12-23

TANGO G3 BVP382 LED144NW 1xLED AMB

1 x 14400 lm

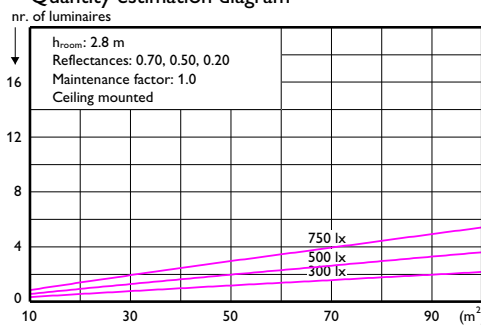
Polar intensity diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	57755	129931	127042
50.0	47123	113783	96565
55.0	32871	82907	60429
60.0	20796	50500	28432
65.0	15412	30389	20404
70.0	13463	19338	19289
75.0	13068	15009	21737
80.0	15910	14560	18996
85.0	18635	19788	27089
90.0	-	-	-

(cd/m²)

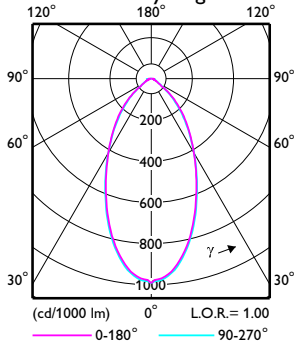
LVC1161708

2016-12-23

TANGO G3 BVP382 LED144NW 1xLED SMB

1 x 14400 lm

Polar intensity diagram



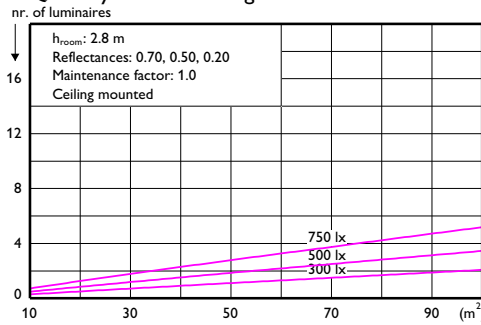
(cd/1000 lm) 0° L.O.R.= 1.00
 0-180° 90-270°

Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram



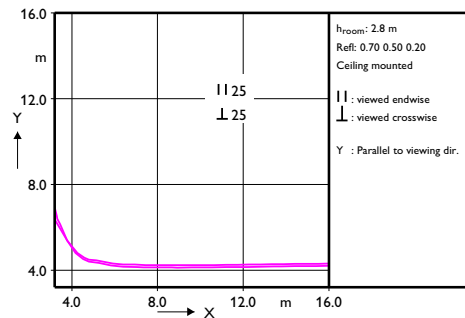
h_{room}: 2.8 m
 Reflectances: 0.70, 0.50, 0.20
 Maintenance factor: 1.0
 Ceiling mounted

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



h_{room}: 2.8 m
 Refl: 0.70 0.50 0.20
 Ceiling mounted
 || : viewed endwise
 ⊥ : viewed crosswise
 Y : Parallel to viewing dir.

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	44376	39877	41440
50.0	32770	29696	30738
55.0	18216	21632	18333
60.0	12860	16443	13328
65.0	10737	14065	11450
70.0	9742	12778	10819
75.0	9510	12357	10804
80.0	10318	11282	12535
85.0	22094	11719	31315
90.0	-	-	-

(cd/m²)

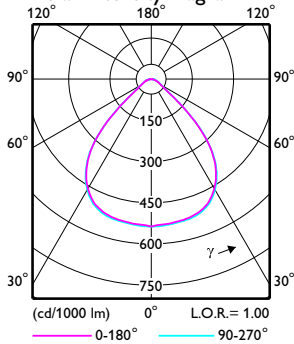
LVC1161709

2016-12-23

TANGO G3 BVP382 LED144NW 1xLED SWB

1 x 14400 lm

Polar intensity diagram



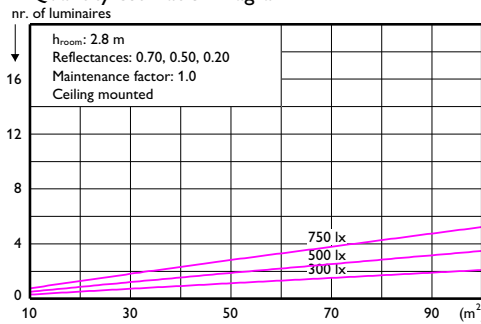
(cd/1000 lm) 0° L.O.R.= 1.00
 0-180° 90-270°

Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram



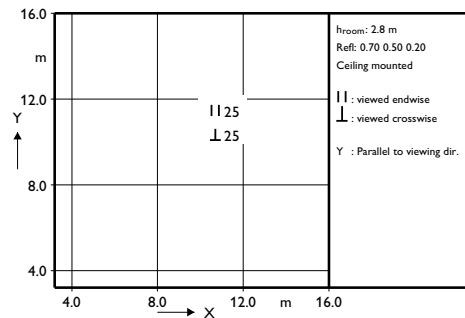
h_{room}: 2.8 m
 Reflectances: 0.70, 0.50, 0.20
 Maintenance factor: 1.0
 Ceiling mounted

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



h_{room}: 2.8 m
 Refl: 0.70 0.50 0.20
 Ceiling mounted
 || : viewed endwise
 ⊥ : viewed crosswise
 Y : Parallel to viewing dir.

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	57945	58039	58537
50.0	32327	37824	32952
55.0	16961	23792	17720
60.0	13596	17180	14132
65.0	11886	14263	12718
70.0	11260	12239	12288
75.0	11063	12874	12227
80.0	9064	12343	10800
85.0	13640	11143	15946
90.0	-	-	-

(cd/m²)

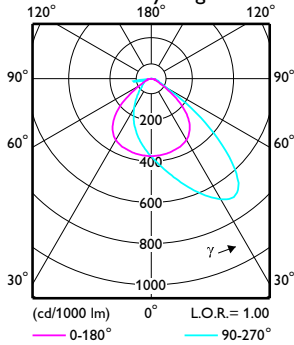
LVC1161710

2016-12-23

TANGO G3 BVP382 LED165WW 1xLED AMB

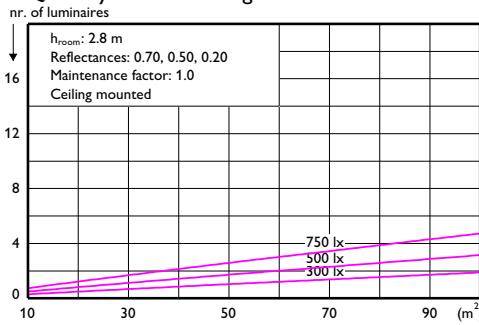
1 x 16500 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	66178	148880	145569
50.0	53995	130377	110647
55.0	37665	94998	69241
60.0	23829	57865	32578
65.0	17660	34820	23380
70.0	15426	22158	22102
75.0	14974	17198	24907
80.0	18231	16684	21766
85.0	21353	22674	31039
90.0	-	-	-

(cd/m2)

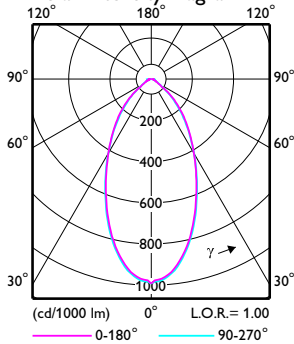
LVC1161708

2016-12-23

TANGO G3 BVP382 LED165WW 1xLED SMB

1 x 16500 lm

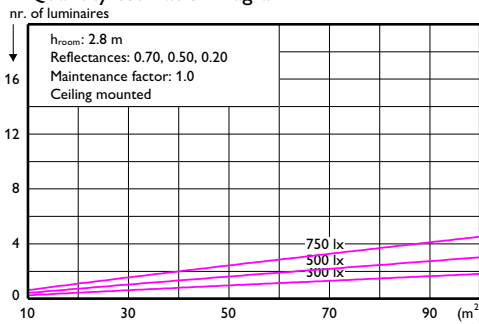
Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

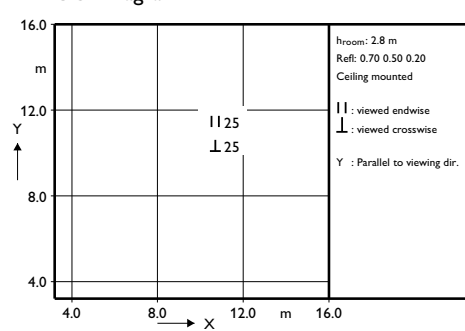


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	50848	45692	47483
50.0	37549	34027	35221
55.0	20873	24786	21007
60.0	14735	18841	15272
65.0	12303	16116	13120
70.0	11163	14641	12397
75.0	10897	14159	12380
80.0	11822	12927	14363
85.0	25316	13428	35882
90.0	-	-	-

(cd/m2)

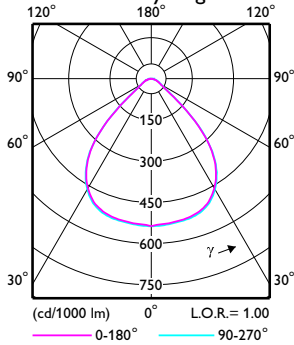
LVC1161709

2016-12-23

TANGO G3 BVP382 LED165WW 1xLED SWB

1 x 16500 lm

Polar intensity diagram

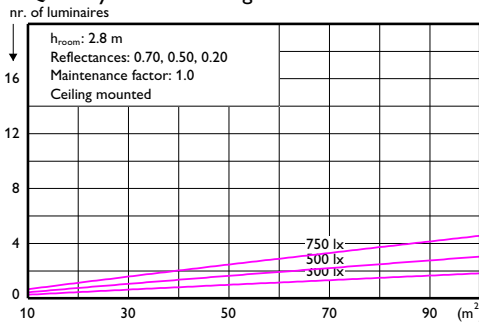


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

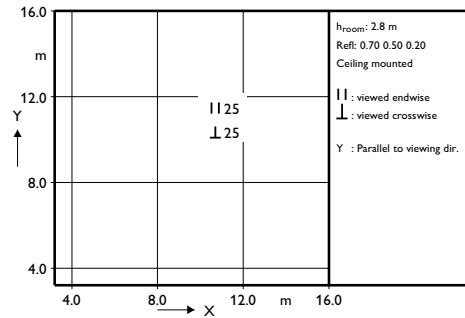


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	66395	66503	67073
50.0	37042	43340	37758
55.0	19434	27262	20304
60.0	15579	19685	16193
65.0	13619	16343	14573
70.0	12902	14024	14080
75.0	12676	14752	14010
80.0	10386	14142	12375
85.0	15630	12768	18271
90.0	-	-	-

(cd/m²)

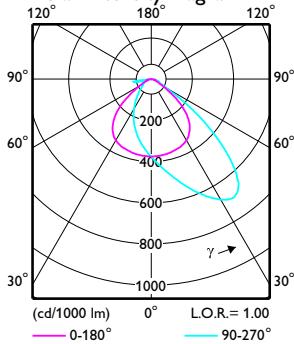
LVC1161710

2016-12-23

TANGO G3 BVP382 LED180CW 1xLED AMB

1 x 18000 lm

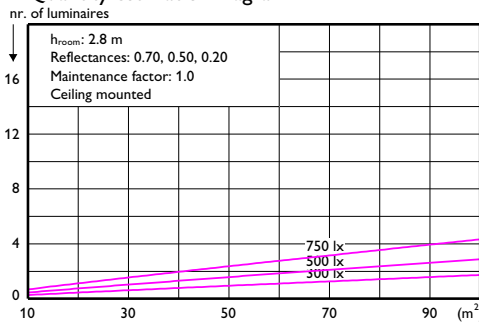
Polar intensity diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	72194	162414	158803
50.0	58904	142229	120706
55.0	41089	103634	75536
60.0	25995	63126	35540
65.0	19265	37986	25505
70.0	16829	24172	24111
75.0	16335	18761	27172
80.0	19888	18200	23745
85.0	23294	24735	33861
90.0	-	-	-

(cd/m²)

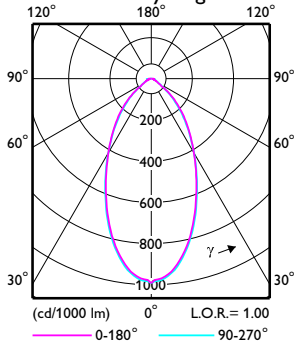
LVC1161708

2016-12-23

TANGO G3 BVP382 LED180CW 1xLED SMB

1 x 18000 lm

Polar intensity diagram

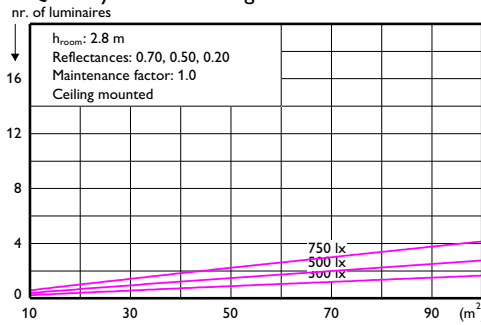


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

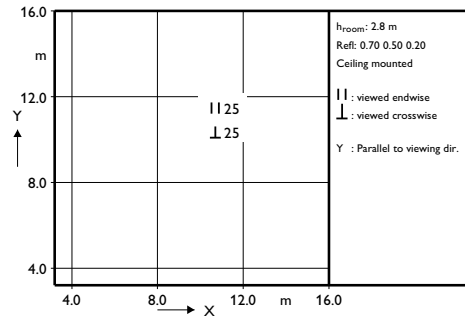


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	55470	49846	51800
50.0	40963	37120	38423
55.0	22770	27040	22916
60.0	16074	20553	16660
65.0	13421	17581	14313
70.0	12178	15972	13524
75.0	11888	15446	13505
80.0	12897	14102	15669
85.0	27617	14649	39144
90.0	-	-	-

(cd/m²)

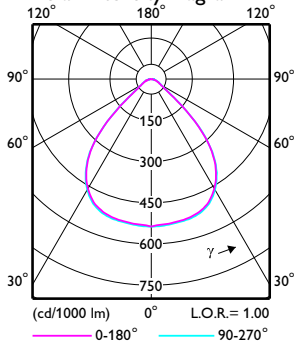
LVC1161709

2016-12-23

TANGO G3 BVP382 LED180CW 1xLED SWB

1 x 18000 lm

Polar intensity diagram

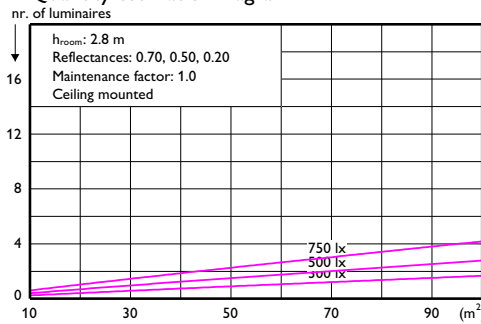


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

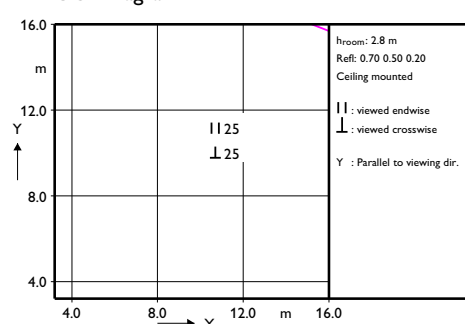


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	72431	72549	73171
50.0	40409	47280	41191
55.0	21201	29740	22150
60.0	16995	21474	17665
65.0	14858	17829	15898
70.0	14075	15299	15360
75.0	13828	16093	15284
80.0	11330	15428	13500
85.0	17050	13929	19932
90.0	-	-	-

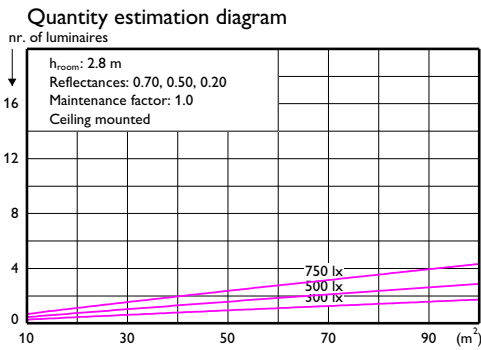
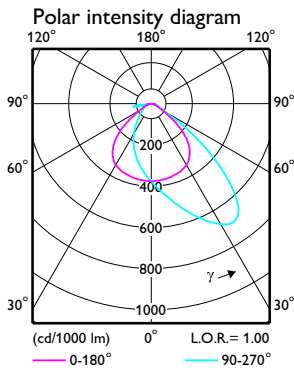
(cd/m²)

LVC1161710

2016-12-23

TANGO G3 BVP382 LED180NW 1xLED AMB

1 x 18000 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	72194	162414	158803
50.0	58904	142229	120706
55.0	41089	103634	75536
60.0	25995	63126	35540
65.0	19265	37986	25505
70.0	16829	24172	24111
75.0	16335	18761	27172
80.0	19888	18200	23745
85.0	23294	24735	33861
90.0	-	-	-

(cd/m²)

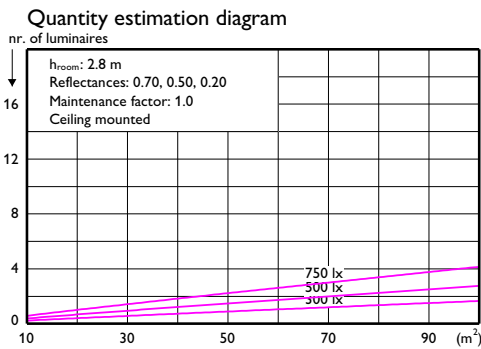
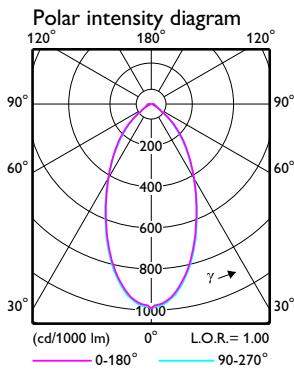
Ceiling mounted

LVC1161708

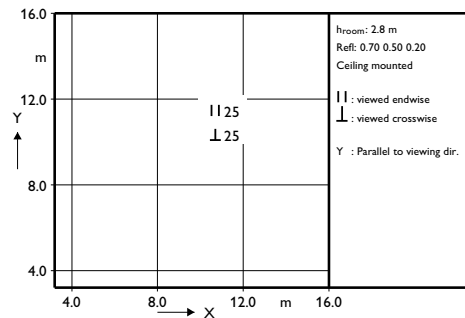
2016-12-23

TANGO G3 BVP382 LED180NW 1xLED SMB

1 x 18000 lm



UGR diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	55470	49846	51800
50.0	40963	37120	38423
55.0	22770	27040	22916
60.0	16074	20553	16660
65.0	13421	17581	14313
70.0	12178	15972	13524
75.0	11888	15446	13505
80.0	12897	14102	15669
85.0	27617	14649	39144
90.0	-	-	-

(cd/m²)

Ceiling mounted

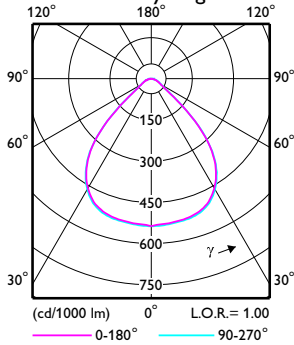
LVC1161709

2016-12-23

TANGO G3 BVP382 LED180NW 1xLED SWB

1 x 18000 lm

Polar intensity diagram

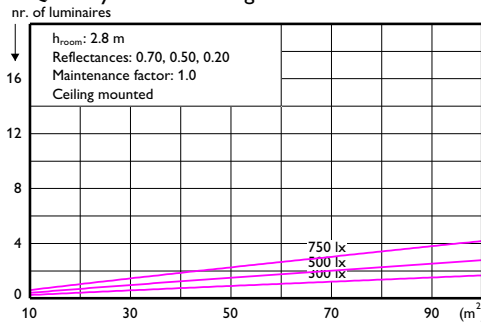


Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

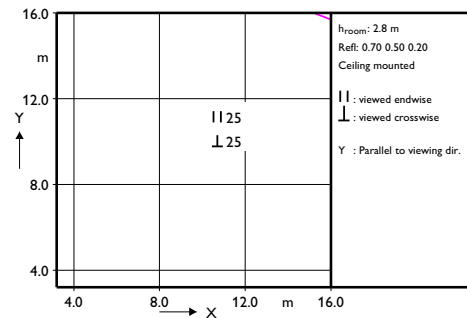


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)															
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.50	0.50	0.30	0.30	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49	0.63	0.59	0.62	0.58	0.57
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57	0.69	0.66	0.69	0.65	0.64
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64	0.76	0.72	0.75	0.72	0.70
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70	0.80	0.77	0.79	0.76	0.74
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74	0.87	0.84	0.86	0.83	0.81
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81	0.91	0.89	0.89	0.88	0.85
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85	0.94	0.92	0.92	0.91	0.88
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88	0.96	0.95	0.95	0.94	0.91
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91	0.98	0.97	0.97	0.95	0.93
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93					

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	72431	72549	73171
50.0	40409	47280	41191
55.0	21201	29740	22150
60.0	16995	21474	17665
65.0	14858	17829	15898
70.0	14075	15299	15360
75.0	13828	16093	15284
80.0	11330	15428	13500
85.0	17050	13929	19932
90.0	-	-	-

(cd/m2)

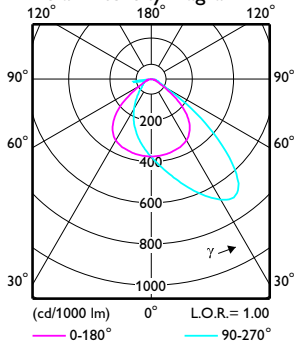
LVC1161710

2016-12-23

TANGO G3 BVP382 LED220WW 1xLED AMB

1 x 22000 lm

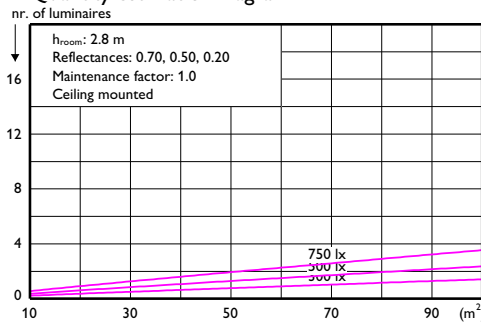
Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)															
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.50	0.50	0.30	0.30	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38	0.54	0.50	0.54	0.50	0.48
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48	0.62	0.58	0.62	0.58	0.56
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56	0.70	0.65	0.69	0.65	0.63
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63	0.75	0.71	0.74	0.70	0.68
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68	0.82	0.79	0.81	0.78	0.76
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76	0.87	0.84	0.85	0.83	0.81
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81	0.90	0.87	0.88	0.86	0.84
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84	0.93	0.91	0.92	0.90	0.88
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88	0.95	0.94	0.94	0.92	0.90
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90					

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	88237	198506	194093
50.0	71994	173836	147530
55.0	50219	126663	92322
60.0	31772	77153	43437
65.0	23546	46427	31173
70.0	20569	29544	29469
75.0	19965	22931	33210
80.0	24307	22245	29022
85.0	28471	30232	41385
90.0	-	-	-

(cd/m2)

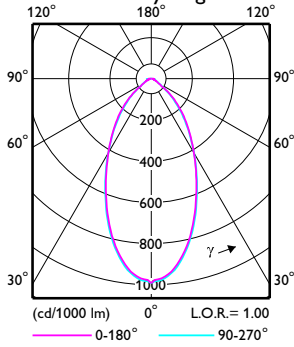
LVC1161708

2016-12-23

TANGO G3 BVP382 LED220WW 1xLED SMB

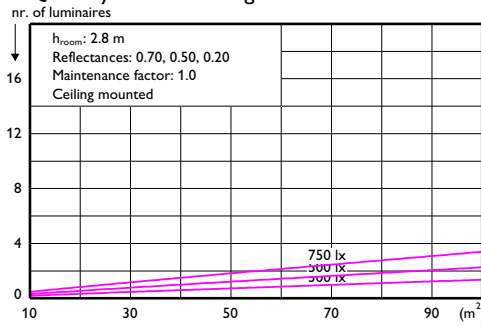
1 x 22000 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100
 UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

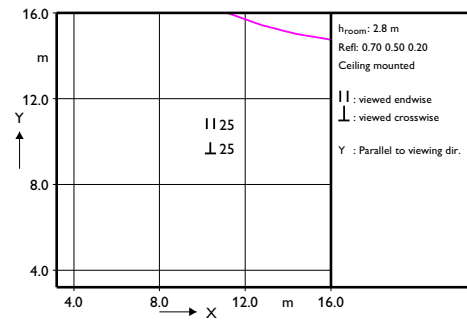


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	67797	60923	63311
50.0	50065	45369	46961
55.0	27830	33048	28009
60.0	19647	25121	20363
65.0	16404	21488	17493
70.0	14884	19521	16530
75.0	14529	18878	16506
80.0	15763	17236	19151
85.0	33754	17904	47843
90.0	-	-	-

(cd/m²)

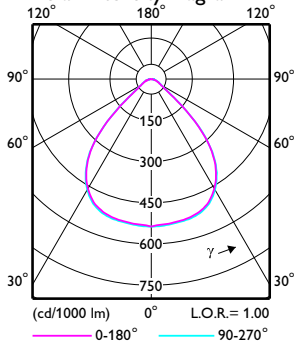
LVC1161709

2016-12-23

TANGO G3 BVP382 LED220WW 1xLED SWB

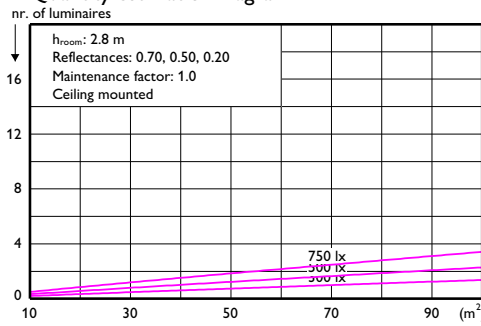
1 x 22000 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 71 94 99 100 100
 UGRcen (4Hx8H, 0.25H) 26

Quantity estimation diagram

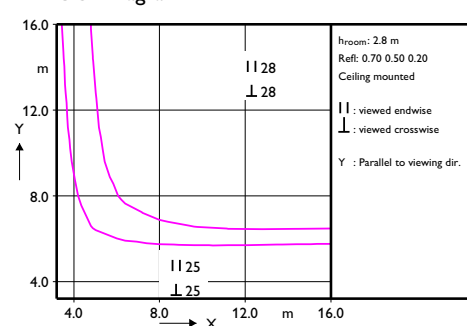


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.30	0.10	0.30	0.10	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	88526	88671	89431
50.0	49389	57786	50344
55.0	25912	36349	27072
60.0	20772	26247	21591
65.0	18159	21791	19430
70.0	17203	18699	18774
75.0	16901	19669	18681
80.0	13848	18857	16500
85.0	20839	17024	24362
90.0	-	-	-

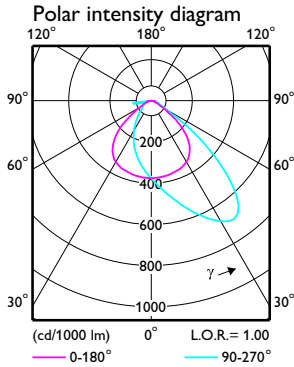
(cd/m²)

LVC1161710

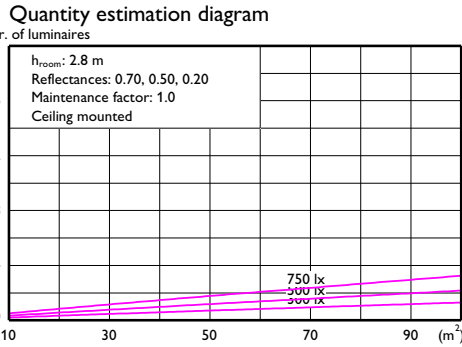
2016-12-23

TANGO G3 BVP382 LED240CW 1xLED AMB

1 x 24000 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 59 91 98 100 100



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.55	0.52	0.54	0.53	0.52	0.45	0.44	0.40	0.44	0.40	0.38
0.80	0.66	0.62	0.65	0.63	0.62	0.55	0.54	0.50	0.54	0.50	0.48
1.00	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.25	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.50	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
2.00	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.50	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
3.00	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
4.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
5.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96259	216552	211737
50.0	78539	189639	160941
55.0	54785	138178	100714
60.0	34660	84167	47386
65.0	25687	50648	34007
70.0	22438	32230	32148
75.0	21781	25015	36229
80.0	26517	24267	31660
85.0	31059	32980	45148
90.0	-	-	-

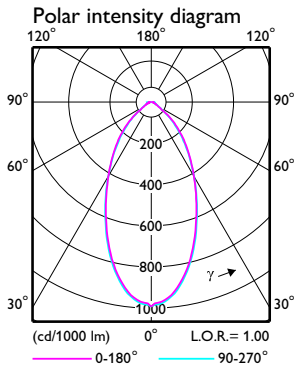
(cd/m²)

LVC1161708

2016-12-23

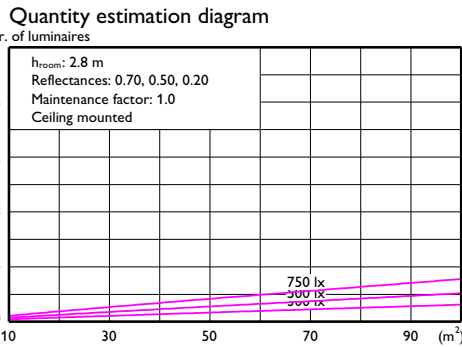
TANGO G3 BVP382 LED240CW 1xLED SMB

1 x 24000 lm



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00
 CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 25

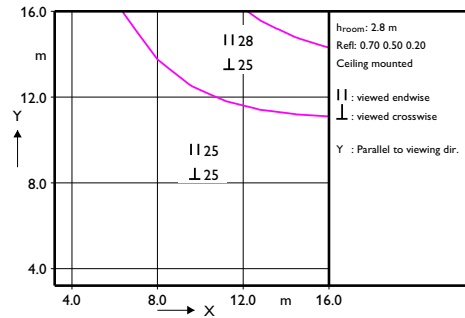


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	73960	66461	69066
50.0	54617	49494	51230
55.0	30360	36053	30555
60.0	21433	27405	22214
65.0	17895	23442	19084
70.0	16237	21296	18032
75.0	15850	20594	18007
80.0	17196	18803	20892
85.0	36823	19532	52192
90.0	-	-	-

(cd/m²)

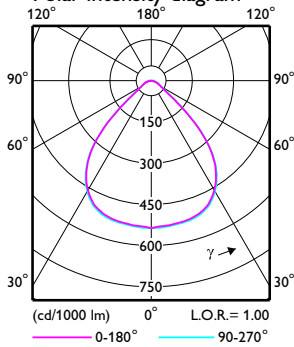
LVC1161709

2016-12-23

TANGO G3 BVP382 LED240CW 1xLED SWB

1 x 24000 lm

Polar intensity diagram

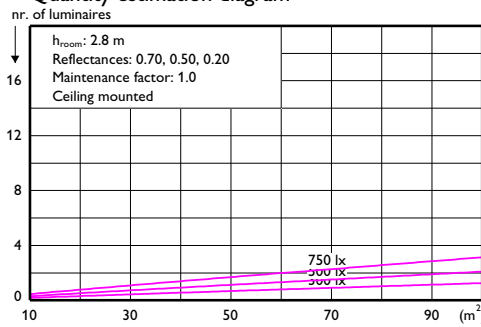


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGR_{cen} (4Hx8H, 0.25H) 26

Quantity estimation diagram

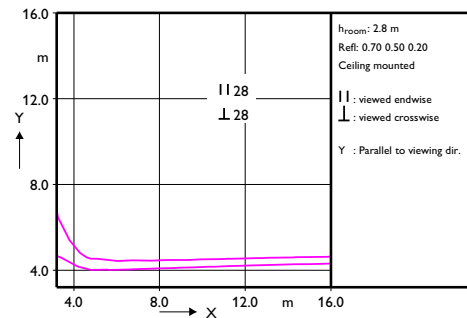


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.80	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64
1.00	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70
1.25	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74
1.50	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81
2.00	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85
2.50	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88
3.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91
4.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93
5.00											

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96574	96732	97561
50.0	53879	63039	54921
55.0	28268	39653	29533
60.0	22660	28633	23553
65.0	19810	23772	21197
70.0	18767	20399	20480
75.0	18438	21457	20379
80.0	15107	20571	18000
85.0	22734	18571	26576
90.0	-	-	-

(cd/m²)

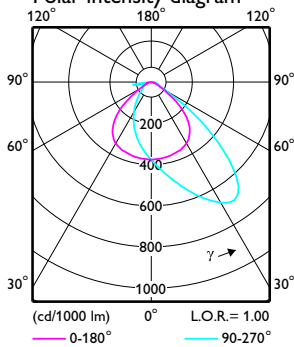
LVC1161710

2016-12-23

TANGO G3 BVP382 LED240NW 1xLED AMB

1 x 24000 lm

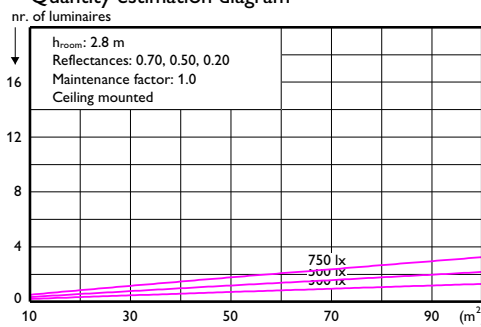
Polar intensity diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 59 91 98 100 100

Quantity estimation diagram



Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
0.80	0.75	0.70	0.74	0.72	0.69	0.63	0.62	0.58	0.62	0.58	0.56
1.00	0.84	0.77	0.82	0.79	0.76	0.70	0.70	0.65	0.69	0.65	0.63
1.25	0.90	0.82	0.88	0.84	0.81	0.76	0.75	0.71	0.74	0.70	0.68
1.50	0.99	0.89	0.97	0.92	0.88	0.83	0.82	0.79	0.81	0.78	0.76
2.00	1.05	0.93	1.02	0.97	0.92	0.88	0.87	0.84	0.85	0.83	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.91	0.90	0.87	0.88	0.86	0.84
3.00	1.14	0.99	1.11	1.04	0.98	0.95	0.93	0.91	0.92	0.90	0.88
4.00	1.17	1.00	1.13	1.06	0.99	0.97	0.95	0.94	0.94	0.92	0.90
5.00											

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96259	216552	211737
50.0	78539	189639	160941
55.0	54785	138178	100714
60.0	34660	84167	47386
65.0	25687	50648	34007
70.0	22438	32230	32148
75.0	21781	25015	36229
80.0	26517	24267	31660
85.0	31059	32980	45148
90.0	-	-	-

(cd/m²)

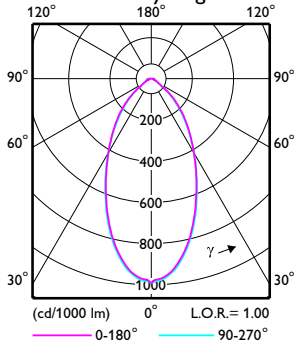
LVC1161708

2016-12-23

TANGO G3 BVP382 LED240NW 1xLED SMB

1 x 24000 lm

Polar intensity diagram

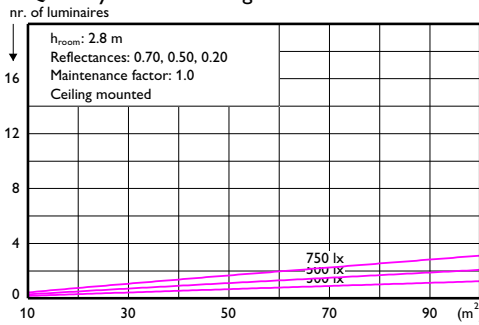


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 76 94 98 100 100

UGRcen (4Hx8H, 0.25H) 25

Quantity estimation diagram

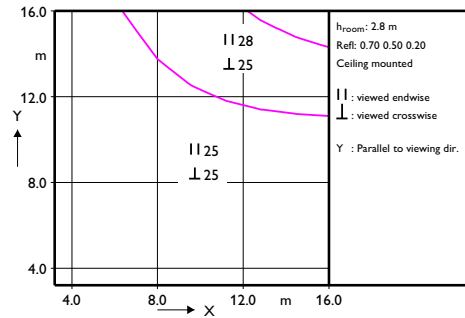


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)															
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.50	0.50	0.30	0.30	0.00
0.60	0.68	0.64	0.67	0.65	0.64	0.59	0.58	0.55	0.58	0.55	0.53	0.60	0.57	0.60	0.57	0.53
0.80	0.77	0.72	0.76	0.74	0.72	0.66	0.66	0.62	0.65	0.62	0.60	0.67	0.64	0.67	0.64	0.60
1.00	0.85	0.78	0.83	0.80	0.78	0.73	0.72	0.69	0.72	0.68	0.67	0.74	0.71	0.74	0.71	0.67
1.25	0.91	0.84	0.90	0.86	0.83	0.79	0.78	0.75	0.77	0.74	0.72	0.81	0.78	0.81	0.78	0.74
1.50	0.97	0.88	0.95	0.91	0.87	0.83	0.82	0.79	0.81	0.78	0.76	0.86	0.83	0.86	0.83	0.79
2.00	1.04	0.93	1.02	0.97	0.92	0.89	0.88	0.85	0.87	0.85	0.83	0.94	0.91	0.94	0.91	0.87
2.50	1.09	0.97	1.07	1.01	0.96	0.93	0.92	0.90	0.90	0.89	0.86	1.01	0.98	1.01	0.98	0.94
3.00	1.13	0.99	1.10	1.04	0.98	0.96	0.94	0.92	0.93	0.91	0.89	1.05	1.02	1.05	1.02	0.98
4.00	1.17	1.01	1.14	1.07	1.00	0.99	0.97	0.96	0.95	0.94	0.92	1.09	1.06	1.09	1.06	1.02
5.00	1.20	1.03	1.16	1.09	1.02	1.00	0.99	0.97	0.97	0.96	0.94	1.13	1.10	1.13	1.10	1.06

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	73960	66461	69066
50.0	54617	49494	51230
55.0	30360	36053	30555
60.0	21433	27405	22214
65.0	17895	23442	19084
70.0	16237	21296	18032
75.0	15850	20594	18007
80.0	17196	18803	20892
85.0	36823	19532	52192
90.0	-	-	-

(cd/m²)

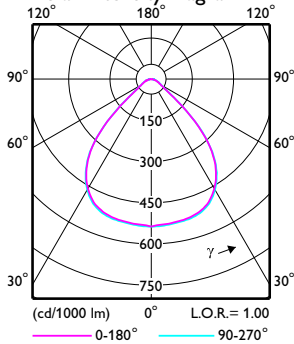
LVC1161709

2016-12-23

TANGO G3 BVP382 LED240NW 1xLED SWB

1 x 24000 lm

Polar intensity diagram

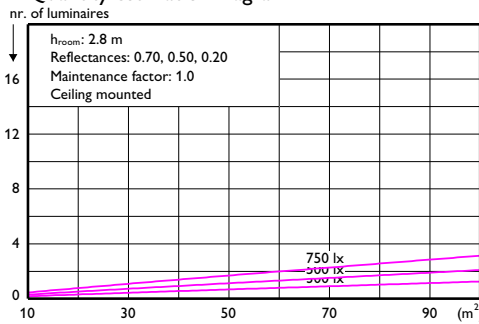


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 71 94 99 100 100

UGRcen (4Hx8H, 0.25H) 26

Quantity estimation diagram

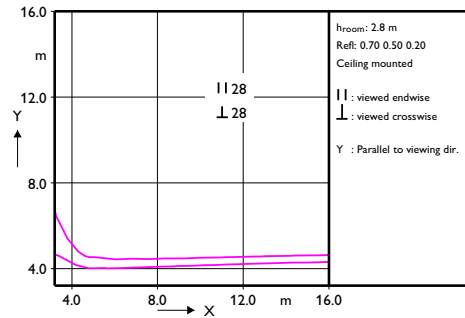


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)															
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.50	0.50	0.30	0.30	0.00
0.60	0.64	0.61	0.63	0.62	0.60	0.55	0.54	0.50	0.54	0.50	0.49	0.57	0.54	0.57	0.54	0.50
0.80	0.74	0.69	0.73	0.71	0.69	0.63	0.63	0.59	0.62	0.58	0.57	0.64	0.61	0.64	0.61	0.57
1.00	0.82	0.76	0.81	0.78	0.75	0.70	0.69	0.66	0.69	0.65	0.64	0.71	0.68	0.71	0.68	0.64
1.25	0.90	0.82	0.88	0.84	0.81	0.77	0.76	0.72	0.75	0.72	0.70	0.78	0.75	0.78	0.75	0.70
1.50	0.95	0.86	0.93	0.89	0.85	0.81	0.80	0.77	0.79	0.76	0.74	0.83	0.80	0.83	0.80	0.76
2.00	1.03	0.92	1.01	0.96	0.91	0.88	0.87	0.84	0.86	0.83	0.81	0.89	0.86	0.89	0.86	0.81
2.50	1.09	0.96	1.06	1.00	0.95	0.92	0.91	0.89	0.89	0.88	0.85	0.96	0.93	0.96	0.93	0.88
3.00	1.12	0.98	1.09	1.03	0.97	0.95	0.94	0.92	0.92	0.91	0.88	1.00	0.97	1.00	0.97	0.93
4.00	1.17	1.01	1.13	1.06	1.00	0.98	0.96	0.95	0.95	0.94	0.91	1.03	1.00	1.03	1.00	0.96
5.00	1.19	1.03	1.16	1.08	1.02	1.00	0.98	0.97	0.97	0.95	0.93	1.05	1.02	1.05	1.02	0.98

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	96574	96732	97561
50.0	53879	63039	54921
55.0	28268	39653	29533
60.0	22660	28633	23553
65.0	19810	23772	21197
70.0	18767	20399	20480
75.0	18438	21457	20379
80.0	15107	20571	18000
85.0	22734	18571	26576
90.0	-	-	-

(cd/m²)

LVC1161710

2016-12-23