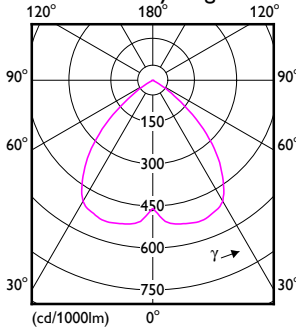


DN496 1xDLED830 UGR22 1 x LGIT7030

1 x 2994 lm

Polar intensity diagram

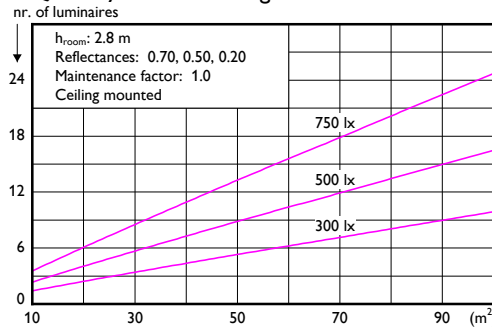


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 74 99 100 100 100

UGRcen (4Hx8H, 0.25H) 22
CIBSE: LG3 65 deg, 1500 cd/m²

Quantity estimation diagram

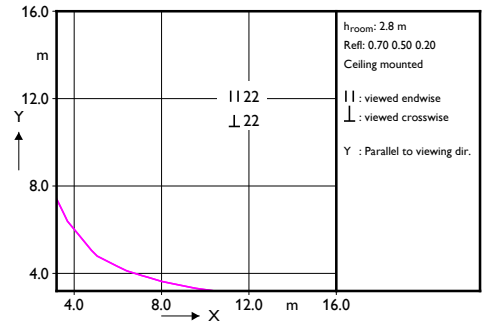


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80			0.70			0.50			0.30		
	0.80	0.50	0.30	0.80	0.50	0.30	0.80	0.50	0.30	0.80	0.50	0.30
0.60	0.65	0.62	0.60	0.64	0.63	0.61	0.56	0.55	0.52	0.55	0.52	0.50
0.80	0.76	0.71	0.75	0.72	0.70	0.65	0.64	0.61	0.64	0.61	0.64	0.59
1.00	0.84	0.78	0.83	0.80	0.77	0.72	0.72	0.68	0.71	0.68	0.71	0.66
1.25	0.92	0.84	0.90	0.87	0.83	0.79	0.78	0.75	0.77	0.75	0.77	0.73
1.50	0.97	0.88	0.95	0.91	0.88	0.84	0.83	0.80	0.82	0.79	0.82	0.77
2.00	1.05	0.94	1.03	0.98	0.93	0.90	0.89	0.87	0.88	0.86	0.88	0.84
2.50	1.10	0.98	1.08	1.02	0.97	0.94	0.93	0.91	0.91	0.90	0.91	0.88
3.00	1.14	1.00	1.11	1.05	0.99	0.97	0.95	0.94	0.94	0.92	0.94	0.90
4.00	1.18	1.02	1.15	1.07	1.01	0.99	0.98	0.96	0.96	0.95	0.96	0.93
5.00	1.20	1.03	1.17	1.09	1.02	1.01	0.99	0.98	0.97	0.96	0.97	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	46631	46631	46631	46631	46631	46631	46631
50.0	31308	31308	31308	31308	31308	31308	31308
55.0	16991	16991	16991	16991	16991	16991	16991
60.0	6059	6059	6059	6059	6059	6059	6059
65.0	720	720	720	720	720	720	720
70.0	676	676	676	676	676	676	676
75.0	799	799	799	799	799	799	799
80.0	911	911	911	911	911	911	911
85.0	1117	1117	1117	1117	1117	1117	1117
90.0	-	-	-	-	-	-	-

(cd/m²)

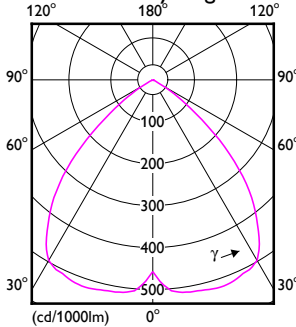
LVC2130862

2013-07-08

DN496 1xDLED840 UGR22 1 x LGIT7030

1 x 3214 lm

Polar intensity diagram

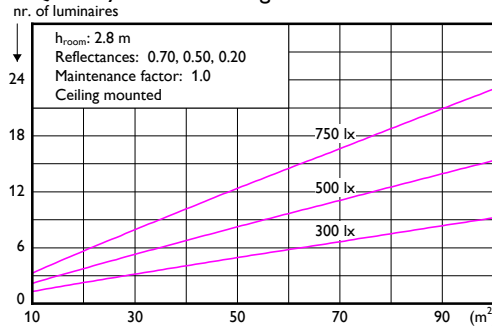


Light output ratio 1.00
Service upward 0.00
Service downward 1.00

CIE flux code 74 99 100 100 100

UGRcen (4Hx8H, 0.25H) 23
CIBSE: LG3 65 deg, 1500 cd/m²

Quantity estimation diagram

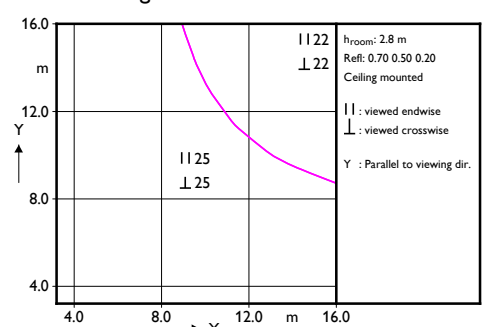


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80			0.70			0.50			0.30		
	0.80	0.50	0.30	0.80	0.50	0.30	0.80	0.50	0.30	0.80	0.50	0.30
0.60	0.65	0.62	0.60	0.64	0.63	0.61	0.56	0.55	0.52	0.55	0.52	0.50
0.80	0.76	0.71	0.75	0.72	0.70	0.65	0.64	0.61	0.64	0.61	0.64	0.59
1.00	0.84	0.78	0.83	0.80	0.77	0.72	0.72	0.68	0.71	0.68	0.71	0.66
1.25	0.92	0.84	0.90	0.87	0.83	0.79	0.78	0.75	0.77	0.75	0.77	0.73
1.50	0.97	0.88	0.95	0.91	0.88	0.84	0.83	0.80	0.82	0.79	0.82	0.77
2.00	1.05	0.94	1.03	0.98	0.93	0.90	0.89	0.87	0.88	0.86	0.88	0.84
2.50	1.10	0.98	1.08	1.02	0.97	0.94	0.93	0.91	0.91	0.90	0.91	0.88
3.00	1.14	1.00	1.11	1.05	0.99	0.97	0.95	0.94	0.94	0.92	0.94	0.90
4.00	1.18	1.02	1.15	1.07	1.01	0.99	0.98	0.96	0.96	0.95	0.96	0.93
5.00	1.20	1.03	1.17	1.09	1.02	1.01	0.99	0.98	0.97	0.96	0.97	0.94

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	50750	50750	50750	50750	50750	50750	50750
50.0	34387	34387	34387	34387	34387	34387	34387
55.0	19041	19041	19041	19041	19041	19041	19041
60.0	7394	7394	7394	7394	7394	7394	7394
65.0	773	773	773	773	773	773	773
70.0	764	764	764	764	764	764	764
75.0	909	909	909	909	909	909	909
80.0	1128	1128	1128	1128	1128	1128	1128
85.0	1349	1349	1349	1349	1349	1349	1349
90.0	-	-	-	-	-	-	-

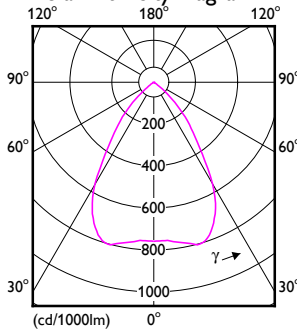
(cd/m²)

LVC2130863

2013-07-08

DN497 1xDLED830 UGR19 1 x LGIT7030

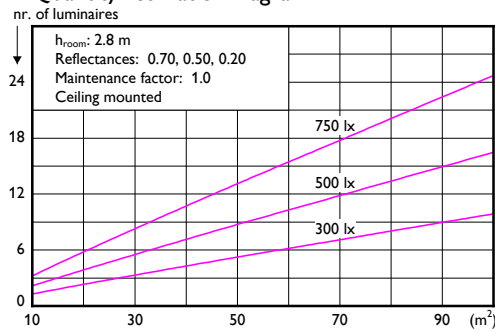
1 x 2900 lm

Polar intensity diagram

Light output ratio 1.00
Service upward 0.00
Service downward 1.00

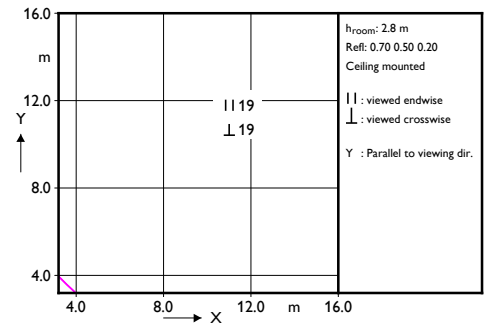
CIE flux code 88 100 100 100 100

UGRcen (4Hx8H, 0.25H) 19
EN12464-1 65 deg, 1000 cd/m²
CIBSE: LG3 65 deg, 1000 cd/m²

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
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10
0.60	0.76	0.72	0.75	0.74	0.72	0.68	0.67	0.64	0.67	0.64
0.80	0.84	0.79	0.83	0.81	0.79	0.74	0.74	0.71	0.73	0.71
1.00	0.92	0.85	0.90	0.87	0.84	0.80	0.80	0.77	0.79	0.77
1.25	0.98	0.90	0.96	0.92	0.89	0.85	0.85	0.82	0.84	0.82
1.50	1.02	0.93	1.00	0.96	0.92	0.89	0.88	0.86	0.87	0.85
2.00	1.09	0.98	1.07	1.02	0.97	0.94	0.93	0.92	0.92	0.91
2.50	1.14	1.01	1.11	1.05	1.00	0.98	0.97	0.95	0.95	0.94
3.00	1.17	1.02	1.14	1.07	1.02	1.00	0.99	0.98	0.97	0.96
4.00	1.21	1.04	1.17	1.10	1.03	1.02	1.01	1.00	0.99	0.98
5.00	1.23	1.05	1.19	1.11	1.04	1.03	1.02	1.01	1.00	0.97

Ceiling mounted

UGR diagram**Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	26536	26536	26536	26536	26536	26536	26536
50.0	12230	12230	12230	12230	12230	12230	12230
55.0	3082	3082	3082	3082	3082	3082	3082
60.0	919	919	919	919	919	919	919
65.0	837	837	837	837	837	837	837
70.0	517	517	517	517	517	517	517
75.0	319	319	319	319	319	319	319
80.0	271	271	271	271	271	271	271
85.0	270	270	270	270	270	270	270
90.0	-	-	-	-	-	-	-

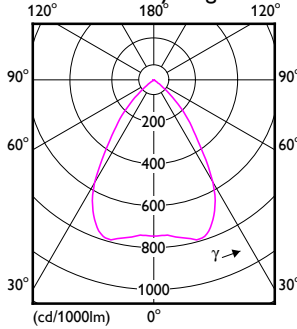
(cd/m²)

LVC2130864

2013-07-08

DN497 1xDLED840 UGR19 1 x LGIT7030

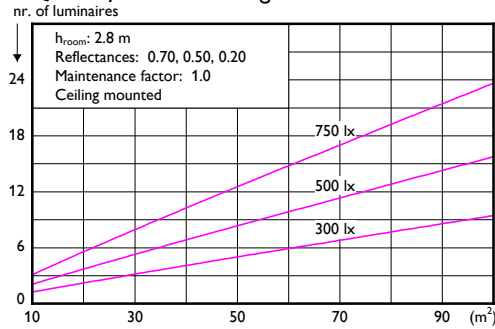
1 x 3037 lm

Polar intensity diagram

Light output ratio 1.00
Service upward 0.00
Service downward 1.00

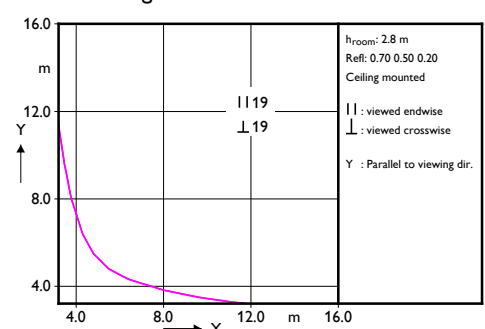
CIE flux code 87 100 100 100 100

UGRcen (4Hx8H, 0.25H) 19
EN12464-1 65 deg, 1000 cd/m²
CIBSE: LG3 65 deg, 1000 cd/m²

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
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10
0.60	0.75	0.72	0.74	0.73	0.71	0.67	0.66	0.63	0.66	0.63
0.80	0.84	0.79	0.83	0.80	0.78	0.74	0.73	0.70	0.73	0.70
1.00	0.91	0.84	0.90	0.87	0.84	0.80	0.79	0.77	0.79	0.76
1.25	0.97	0.89	0.96	0.92	0.89	0.85	0.84	0.82	0.83	0.81
1.50	1.02	0.93	1.00	0.96	0.92	0.89	0.88	0.85	0.87	0.85
2.00	1.09	0.97	1.07	1.01	0.97	0.94	0.93	0.91	0.92	0.90
2.50	1.14	1.00	1.11	1.05	1.00	0.98	0.96	0.95	0.95	0.94
3.00	1.17	1.02	1.14	1.07	1.01	1.00	0.98	0.97	0.97	0.96
4.00	1.20	1.04	1.17	1.10	1.03	1.02	1.00	1.00	0.99	0.98
5.00	1.23	1.05	1.19	1.11	1.04	1.03	1.02	1.01	1.00	0.99

Ceiling mounted

UGR diagram**Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	28351	28351	28351	28351	28351	28351	28351
50.0	13213	13213	13213	13213	13213	13213	13213
55.0	3486	3486	3486	3486	3486	3486	3486
60.0	1012	1012	1012	1012	1012	1012	1012
65.0	905	905	905	905	905	905	905
70.0	577	577	577	577	577	577	577
75.0	382	382	382	382	382	382	382
80.0	355	355	355	355	355	355	355
85.0	425	425	425	425	425	425	425
90.0	-	-	-	-	-	-	-

(cd/m²)

LVC2130865

2013-07-08