

U25M2/LEDN25D

luminaria empotrada • cuadrada

aplicación : Oficinas, Sector de salud, Enseñanza, Hostelería, Comercio, Ocio

carcasa: chapa de acero lacado

fuenta luminosa : low power LED • 4000 K

óptica : Difusor • vidrio transparente con película difusora • extensiva media

clasificación UGR : <=16

flujo luminoso: 2900 lm

flujo luminoso específico : 153 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)



Características mecánicas

modulación de techo : M600

color: blanco especular

tipo : luminaria individual

IP: IP20, IP40 en la parte inferior

Luminance

flujo luminoso : 2900 lm

flujo luminoso específico : 153 lm/W

luminancia @ 65° : 3000 cd/m²

classification UGR: <=16

superficie luminoso : 0.31 m²

Average Luminances (Cd/m²) for 2900lm

Gamma	C0	C30	C45	C60	C90
45°	2853	2853	2853	2853	2853
50°	2300	2300	2300	2300	2300
55°	1913	1913	1913	1913	1913
60°	1673	1673	1673	1673	1673
65°	1514	1514	1514	1514	1514
70°	1368	1368	1368	1368	1368
75°	1187	1187	1187	1187	1187
80°	892	892	892	892	892
85°	403	403	403	403	403

Equipo eléctrico

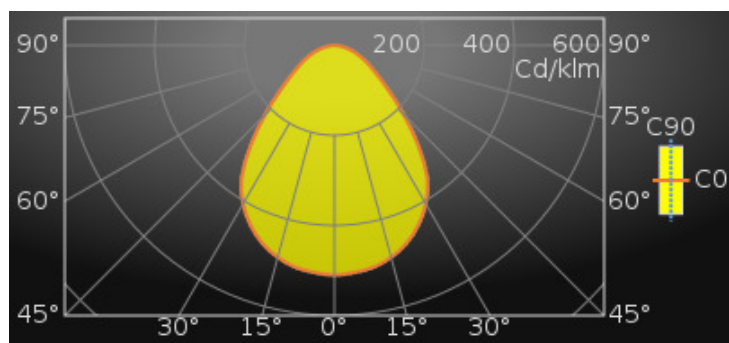
controlador: DALI regulable

consumo de energía : 19 W

tensión : 220-240V

frecuencia : 50-60Hz AC

seguridad fotobiológica : EN 62471: RISK GROUP 0 UNLIMITED



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Clasificaciones

CIE: 637 / 889 / 981 / 1000 / 1000

CIE FLUXCODE : 0.64 / 0.89 / 0.98 / 1.00 / 1.00

BZ: BZ2/3/BZ3

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.65

UTE: 1.00 C + 0.00 T

Intensidad luminosa en cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	99	4
30	99	6
40	99	8
50	98	9
60	98	11

Intensity for 2900lm

Gamma	C0	C45	C90
0°	1479.3	1479.3	1479.3
5°	1468.8	1468.8	1468.8
10°	1451.1	1451.1	1451.1
15°	1412.1	1412.1	1412.1
20°	1357.9	1357.9	1357.9
25°	1279.2	1279.2	1279.2
30°	1178.6	1178.6	1178.6
35°	1045.2	1045.2	1045.2
40°	841.3	841.3	841.3
45°	632.6	632.6	632.6
50°	463.7	463.7	463.7
55°	344.1	344.1	344.1
60°	262.3	262.3	262.3
65°	200.7	200.7	200.7
70°	146.7	146.7	146.7
75°	96.3	96.3	96.3
80°	48.6	48.6	48.6
85°	11.0	11.0	11.0
90°	0.3	0.3	0.3

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 2900lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)												
	Ceiling	Walls	Floor	70	50	30	70	50	30	70	50	30	
	70	70	50	50	30	70	70	50	50	30	70	50	30
	50	30	50	30	30	50	30	50	30	30	50	30	30
	20	20	20	20	20	20	20	20	20	20	20	20	20
Room Dimensions	Viewed Crosswise					Viewed Endwise							
X = 2H Y = 2H	14.1	15.7	14.4	16.0	16.3	14.1	15.7	14.4	16.0	16.3			
Y = 3H	14.9	16.4	15.3	16.7	17.0	14.9	16.4	15.3	16.7	17.0			
Y = 4H	15.3	16.7	15.6	17.0	17.3	15.3	16.7	15.6	17.0	17.3			
Y = 6H	15.5	16.8	15.8	17.1	17.4	15.5	16.8	15.8	17.1	17.4			
Y = 8H	15.5	16.7	15.9	17.1	17.4	15.5	16.7	15.9	17.1	17.4			
Y = 12H	15.5	16.7	15.9	17.0	17.3	15.5	16.7	15.9	17.0	17.3			
X = 4H Y = 2H	14.4	15.8	14.8	16.1	16.4	14.4	15.8	14.8	16.1	16.4			
Y = 3H	15.5	16.7	15.9	17.0	17.4	15.5	16.7	15.9	17.0	17.4			
Y = 4H	15.9	17.0	16.4	17.4	17.7	15.9	17.0	16.4	17.4	17.7			
Y = 6H	16.2	17.2	16.7	17.5	18.0	16.2	17.2	16.7	17.5	18.0			
Y = 8H	16.3	17.1	16.7	17.5	18.0	16.3	17.1	16.7	17.5	18.0			
Y = 12H	16.3	17.1	16.7	17.5	17.9	16.3	17.1	16.7	17.5	17.9			
X = 8H Y = 4H	16.1	17.0	16.6	17.4	17.8	16.1	17.0	16.6	17.4	17.8			
Y = 6H	16.5	17.2	16.9	17.6	18.1	16.5	17.2	16.9	17.6	18.1			
Y = 8H	16.6	17.2	17.0	17.6	18.1	16.6	17.2	17.0	17.6	18.1			
Y = 12H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1			
X = 12H Y = 4H	16.1	16.9	16.6	17.3	17.8	16.1	16.9	16.6	17.3	17.8			
Y = 6H	16.5	17.1	17.0	17.6	18.1	16.5	17.1	17.0	17.6	18.1			
Y = 8H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1			
UGR Variations with Observer Position for Luminaire Spacings S													
S = 1.0H	+0.3		-0.5		+0.3		-0.5						
S = 1.5H	+0.7		-1.0		+0.7		-1.0						
S = 2.0H	+1.5		-1.4		+1.5		-1.4						

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Colour properties

Correlated Colour Temperature : 4000

Ra: 80

Rendimiento

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	30	30	30	0
Ceiling	80	80	80	50	50	50	30	30	30	0
Walls	50	30	10	50	30	10	50	30	10	0
Floor	20	20	20	20	20	20	20	20	20	0
RCR = 1	106	104	102	100	98	96	96	94	93	88
2	94	90	87	89	86	83	86	83	81	76
3	85	79	75	80	76	72	78	74	71	67
4	76	70	65	73	67	63	70	66	62	59
5	69	62	57	66	60	56	64	59	55	52
6	63	56	51	61	54	50	59	54	50	47
7	58	51	46	56	49	45	54	49	45	42
8	54	46	41	52	45	41	50	45	40	38
9	50	42	37	48	42	37	47	41	37	35
10	46	39	34	45	38	34	44	38	34	32

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	50	50	30	0
Ceiling	80	80	80	50	50	50	50	50	30	0
Walls	50	30	50	30	50	30	50	30	30	0
Floor	30	30	10	10	30	30	10	10	10	0
k = 0.60	56	48	54	47	54	47	52	46	46	40
0.80	68	59	64	57	65	58	62	56	55	50
1.00	76	67	71	64	72	65	68	63	62	56
1.25	86	78	79	73	81	75	76	71	71	65
1.50	92	84	83	78	86	80	81	76	75	70
2.00	100	92	89	84	93	87	86	82	81	76
2.50	105	99	93	89	98	93	90	87	86	81
3.00	110	104	96	93	101	97	93	91	89	85
4.00	114	109	99	96	104	101	96	93	92	88
5.00	118	113	101	99	107	104	98	96	94	90

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Accesorios

U2H2 Marco de montaje para techo cartón-yeso, madera, etc. M600

Esquema

