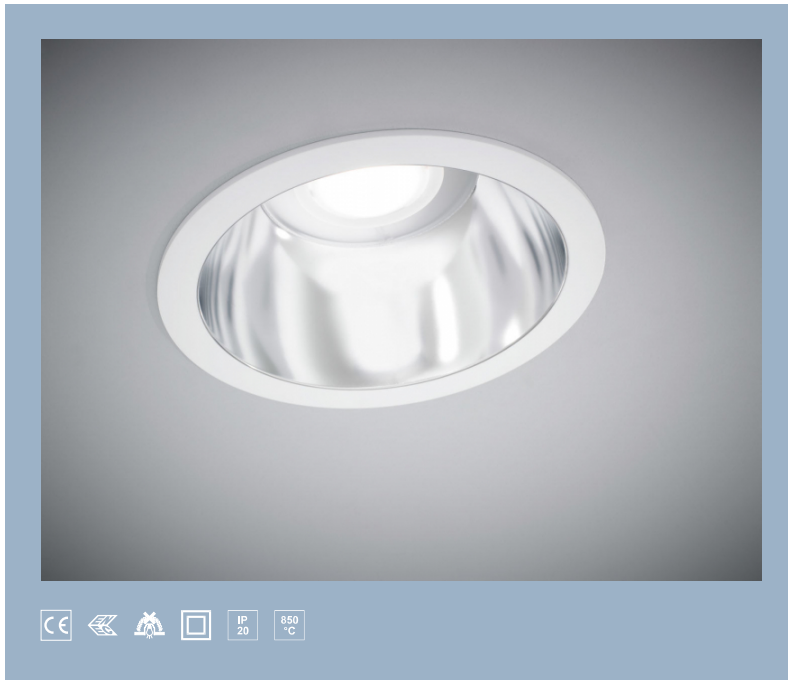


D91/LEDN10DX1



luminaria empotrada • redonda

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

carcasa: policarbonato

fuenta luminosa : modulo LED • 4000 K

óptica : reflector y lente • Policarbonato (PC) con película de aluminio satinado • extensiva

clasificación UGR : <=22

flujo luminoso: 1300 lm

flujo luminoso específico : 126 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

Product information

Características mecánicas

dimensiones : 190 mm x 100 mm

medida empotrada : 175 mm x 100 mm

color: RAL9003 - blanco señales

aro: aro plano

tipo : luminaria individual

IP: IP20

Equipo eléctrico

controlador: DALI regulable

consumo de energía : 10.3 W

tensión : 220-240V

frecuencia : 50-60Hz AC/DC

seguridad fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

flujo luminoso : 1300 lm

flujo luminoso específico : 126 lm/W

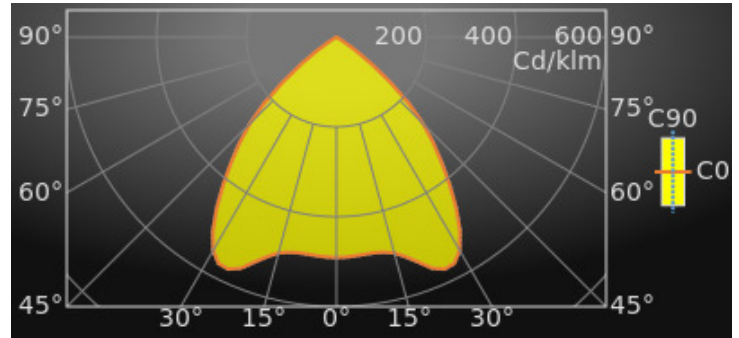
luminancia @ 65° 1000 cd/m²

classification UGR <=22

superficie luminoso : 0.02 m²

Average Luminances (Cd/m²) for 1300lm

Gamma	C0	C30	C45	C60	C90
45°	26213	26213	26213	26213	26213
50°	16647	16647	16647	16647	16647
55°	6234	6234	6234	6234	6234
60°	873	873	873	873	873
65°	367	367	367	367	367
70°	248	248	248	248	248
75°	158	158	158	158	158
80°	100	100	100	100	100
85°	110	110	110	110	110



Clasificaciones

CIE: 771 / 997 / 1000 / 1000 / 1000

CIE FLUXCODE : 0.77 / 1.00 / 1.00 / 1.00 / 1.00

BZ: BZ2/0.8/BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.74

UTE: 1.00 B + 0.00 T

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	100	2
20	100	4
30	100	6
40	99	8
50	99	10
60	99	12

classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 1300lm (S = 0.25H)

Intensidad luminosa en cd

Intensity for 1300lm

Gamma	C0	C45	C90
0°	637.3	637.3	637.3
5°	635.2	635.2	635.2
10°	633.8	633.8	633.8
15°	646.7	646.7	646.7
20°	692.8	692.8	692.8
25°	740.5	740.5	740.5
30°	711.9	711.9	711.9
35°	604.1	604.1	604.1
40°	473.4	473.4	473.4
45°	354.3	354.3	354.3
50°	204.5	204.5	204.5
55°	68.3	68.3	68.3
60°	8.3	8.3	8.3
65°	3.0	3.0	3.0
70°	1.6	1.6	1.6
75°	0.8	0.8	0.8
80°	0.3	0.3	0.3
85°	0.2	0.2	0.2
90°	0.0	0.0	0.0

Ceiling Walls Floor	Room Reflection Factors (%)									
	70	70	50	50	30	70	70	50	50	30
Room Dimensions	Viewed Crosswise					Viewed Endwise				
X = 2H Y = 2H	20.2	21.7	20.5	22.0	22.3	20.2	21.7	20.5	22.0	22.3
Y = 3H	20.0	21.4	20.3	21.7	21.9	20.0	21.4	20.3	21.7	21.9
Y = 4H	19.9	21.2	20.3	21.5	21.8	19.9	21.2	20.3	21.5	21.8
Y = 6H	19.8	21.0	20.2	21.3	21.6	19.8	21.0	20.2	21.3	21.6
Y = 8H	19.8	20.9	20.2	21.2	21.6	19.8	20.9	20.2	21.2	21.6
Y = 12H	19.8	20.8	20.1	21.2	21.5	19.8	20.8	20.1	21.2	21.5
X = 4H Y = 2H	19.9	21.2	20.3	21.5	21.8	19.9	21.2	20.3	21.5	21.8
Y = 3H	19.8	20.9	20.2	21.2	21.5	19.8	20.9	20.2	21.2	21.5
Y = 4H	19.7	20.7	20.1	21.0	21.4	19.7	20.7	20.1	21.0	21.4
Y = 6H	19.7	20.5	20.1	20.9	21.3	19.7	20.5	20.1	20.9	21.3
Y = 8H	19.6	20.4	20.0	20.8	21.2	19.6	20.4	20.0	20.8	21.2
Y = 12H	19.6	20.3	20.0	20.7	21.1	19.6	20.3	20.0	20.7	21.1
X = 8H Y = 4H	19.6	20.4	20.0	20.8	21.2	19.6	20.4	20.0	20.8	21.2
Y = 6H	19.5	20.2	20.0	20.6	21.1	19.5	20.2	20.0	20.6	21.1
Y = 8H	19.5	20.1	20.0	20.5	21.0	19.5	20.1	20.0	20.5	21.0
Y = 12H	19.5	20.0	20.0	20.4	21.0	19.5	20.0	20.0	20.4	21.0
X = 12H Y = 4H	19.6	20.3	20.0	20.7	21.1	19.6	20.3	20.0	20.7	21.1
Y = 6H	19.5	20.1	20.0	20.5	21.0	19.5	20.1	20.0	20.5	21.0
Y = 8H	19.5	20.0	20.0	20.4	21.0	19.5	20.0	20.0	20.4	21.0
UGR Variations with Observer Position for Luminaire Spacings S										
S = 1.0H	+1.8		-7.0			+1.8		-7.0		
S = 1.5H	+3.6		21.5			+3.6		21.5		
S = 2.0H	+5.6		23.3			+5.6		23.3		

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	109	107	106	103	101	100	99	98	97	91
2	99	96	93	94	91	89	91	89	87	82
3	90	85	82	86	82	79	83	80	78	74
4	82	77	73	79	74	71	77	73	70	66
5	75	69	65	72	67	63	70	66	63	60
6	69	62	58	66	61	57	65	60	56	54
7	63	57	52	61	56	51	60	55	51	49
8	59	52	47	57	51	47	55	50	46	44
9	54	47	43	52	47	42	51	46	42	40
10	50	44	39	49	43	39	48	42	39	37

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	61	54	58	52	59	53	57	52	51	46
0.80	74	67	70	64	71	65	68	63	63	57
1.00	83	75	77	71	79	73	75	70	69	65
1.25	93	85	85	80	88	82	83	79	78	74
1.50	98	91	89	85	93	88	87	83	82	78
2.00	105	99	94	90	98	94	91	88	87	83
2.50	110	105	97	94	102	99	95	92	91	87
3.00	114	110	100	98	106	103	97	95	94	91
4.00	117	113	101	99	108	105	99	97	96	92
5.00	120	117	103	101	110	108	100	99	97	94

Esquema

175

