

# E62/LED4N60D

luminaria adosada • rectangular

aplicación : Industria, Logística

carcasa: policarbonato

fuenta luminosa : low power LED • 4000 K

óptica : Lente lineal • Policarbonato (PC) • extensiva

clasificación UGR : <=28

flujo luminoso: 6100 lm

flujo luminoso específico : 115 lm/W

LLMF: 89% @ 50khrs (Tq=25°C)



## Características mecánicas

medida empotrada : 90 mm

color: RAL7037 - gris polvo

tipo : luminaria individual

IP: IP66

temperatura ambiente: de -20°C a 35°C •

## Luminance

flujo luminoso : 6100 lm

flujo luminoso específico : 115 lm/W

classification UGR: <=28

superficie luminoso : 0.08 m<sup>2</sup>

## Equipo eléctrico

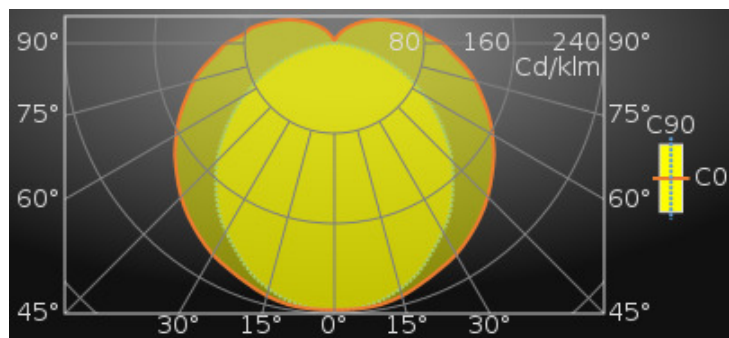
controlador: DALI regulable

consumo de energía : 53 W

tensión : 220-240V

frecuencia : 50-60Hz AC

seguridad fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED



Average Luminances (Cd/m<sup>2</sup>) for 6100lm

Gamma	C0	C30	C45	C60	C90
45°	12833	12703	12792	13027	15334
50°	12538	12383	12371	12499	14781
55°	12323	12081	11945	11941	14209
60°	12112	11827	11555	11425	13552
65°	11986	11619	11274	10950	12714
70°	11851	11458	11005	10493	11595
75°	11907	11377	10844	10103	10170
80°	11930	11460	10827	9864	8035
85°	11988	11531	10850	9722	4358

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## Clasificaciones

CIE: 326 / 570 / 741 / 852 / 1000

CIE FLUXCODE : 0.38 / 0.67 / 0.87 / 0.85 / 1.00

BZ: BZ10/1.25/BZ5/1.5/BZ10

CAE: CAE 1/5°/CAE 2/75°/CAE 3

DIN: B30 (Nach Arbeitsblatt 7 und 8)

DIN\_U: Phi u = 0.85

DIN\_SU: Phi su = 0.46

UTE: 0.85 H + 0.15 T

## Intensidad luminosa en cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	98	2
20	96	4
30	94	6
40	92	8
50	90	10
60	88	12

Intensity for 6100lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1443.8	1443.8	1443.8	90°	586.7	382.4	3.9
5°	1443.8	1441.8	1441.0	95°	500.2	317.0	1.5
10°	1437.9	1426.5	1417.5	100°	462.9	280.7	0.6
15°	1416.7	1394.1	1378.2	105°	402.5	236.9	0.5
20°	1384.0	1358.4	1325.2	110°	346.5	198.2	0.5
25°	1351.7	1311.2	1249.8	115°	297.3	164.3	0.4
30°	1321.2	1254.6	1177.8	120°	251.1	135.3	0.4
35°	1277.1	1193.3	1100.0	125°	209.3	110.5	0.4
40°	1230.6	1124.0	999.8	130°	172.3	88.9	0.4
45°	1176.0	1049.3	902.1	135°	138.5	70.5	0.7
50°	1116.2	972.6	790.5	140°	109.0	54.1	0.8
55°	1056.4	891.1	678.1	145°	84.1	41.4	1.1
60°	990.5	809.0	563.7	150°	61.8	31.1	1.9
65°	925.5	731.6	447.1	155°	44.0	22.8	2.8
70°	853.9	652.4	330.0	160°	30.3	16.5	3.9
75°	790.0	577.2	219.0	165°	21.9	14.0	6.4
80°	717.5	506.2	116.1	170°	19.8	16.1	13.1
85°	641.0	433.3	31.6	175°	22.1	21.7	21.0
90°	586.7	382.4	3.9	180°	24.4	24.4	24.4

## classification UGR

Corrected Glare Ratings for a Total Lamp Flux of 6100lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)														
	Ceiling	Walls	Floor	70	70	50	50	30	70	70	50	50	30		
	70	70	50	50	30	70	70	50	50	30	70	70	50	50	30
	50	30	50	30	30	50	30	50	30	30	50	30	50	30	30
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Room Dimensions	Viewed Crosswise					Viewed Endwise									
X = 2H Y = 2H	20.7	22.3	21.2	22.8	23.3	19.6	21.2	20.1	21.7	22.2					
Y = 3H	22.9	24.3	23.4	24.9	25.4	21.0	22.4	21.5	22.9	23.5					
Y = 4H	24.0	25.3	24.5	25.9	26.4	21.5	22.8	22.0	23.4	23.9					
Y = 6H	25.0	26.3	25.6	26.9	27.4	21.7	23.0	22.3	23.6	24.1					
Y = 8H	25.5	26.7	26.1	27.3	27.9	21.8	23.0	22.4	23.6	24.2					
Y = 12H	26.0	27.2	26.6	27.8	28.3	21.8	23.0	22.4	23.6	24.1					
X = 4H Y = 2H	21.3	22.6	21.8	23.2	23.7	20.4	21.8	21.0	22.4	22.9					
Y = 3H	23.7	24.9	24.3	25.5	26.0	22.1	23.2	22.7	23.8	24.4					
Y = 4H	24.9	26.0	25.5	26.6	27.2	22.7	23.8	23.3	24.4	25.0					
Y = 6H	26.2	27.2	26.8	27.8	28.4	23.2	24.1	23.8	24.8	25.4					
Y = 8H	26.8	27.7	27.4	28.3	29.0	23.3	24.2	23.9	24.9	25.5					
Y = 12H	27.4	28.2	28.0	28.9	29.5	23.3	24.2	24.0	24.8	25.5					
X = 8H Y = 4H	25.2	26.1	25.9	26.8	27.4	23.4	24.3	24.0	24.9	25.6					
Y = 6H	26.7	27.5	27.4	28.2	28.9	24.2	24.9	24.8	25.6	26.3					
Y = 8H	27.5	28.2	28.2	28.9	29.6	24.4	25.1	25.1	25.8	26.5					
Y = 12H	28.3	28.9	29.0	29.6	30.3	24.6	25.2	25.3	25.9	26.6					
X = 12H Y = 4H	25.3	26.1	25.9	26.8	27.4	23.5	24.4	24.2	25.0	25.7					
Y = 6H	26.8	27.5	27.5	28.2	28.9	24.4	25.1	25.1	25.8	26.5					
Y = 8H	27.7	28.3	28.4	29.0	29.7	24.8	25.5	25.5	26.2	26.9					
UGR Variations with Observer Position for Luminaire Spacings S															
S = 1.0H	+0.1		-0.1		+0.1		-0.1								
S = 1.5H	+0.2		-0.2		+0.2		-0.2								
S = 2.0H	+0.2		-0.3		+0.3		-0.5								

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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	95	91	88	84	82	79	78	76	74	65
2	81	75	71	72	67	64	66	62	60	52
3	71	63	58	62	57	52	58	53	49	43
4	62	54	48	55	49	44	51	46	41	36
5	55	47	41	49	43	38	46	40	36	31
6	50	41	35	44	38	33	41	35	31	27
7	45	37	31	40	33	29	38	32	27	23
8	41	33	27	37	30	25	34	28	24	21
9	38	30	24	34	27	23	32	26	22	19
10	35	27	22	31	25	20	29	24	20	17

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	50	30	30	0
Ceiling	80	80	80	50	50	50	50	30	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	41	32	39	31	37	30	36	29	28	20
0.80	52	42	48	40	46	38	44	37	35	27
1.00	60	49	55	47	53	45	50	43	41	32
1.25	68	58	63	55	61	53	57	51	48	39
1.50	75	65	68	60	66	58	62	56	53	44
2.00	84	74	75	68	73	66	68	62	59	50
2.50	90	82	80	73	79	72	73	68	64	55
3.00	96	88	84	78	83	77	76	72	68	59
4.00	101	94	88	83	88	83	80	76	72	63
5.00	106	100	91	87	91	87	83	80	76	67

## Esquema

