

E62/LED2N30D

surface-mounted luminaire • linear

application : Industry, Logistics

housing: polycarbonate

light source : low power LED • 4000 K

optics : Linear lens • Polycarbonate (PC) • wide-angle

UGR classification : <=28

luminous flux: 3050 lm

luminous efficacy : 105 lm/W

LLMF: 89% @ 50khrs (Tq=25°C)



Mechanical properties

dimensions : 880 mm x 56 mm x 80 mm

colour: RAL7037 - dusty grey

type : individual luminaire

IP: IP66

ambient temperature: from -20°C to 35°C •

Luminance

luminous flux : 3050 lm

luminous efficacy : 105 lm/W

UGR classification: <=28

luminous area : 0.04 m²

Electrical properties

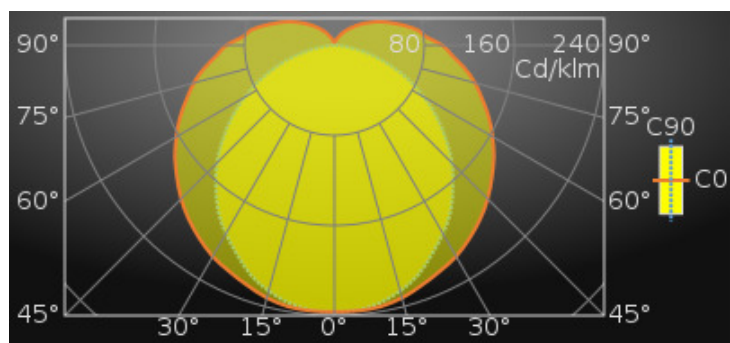
driver: DALI dimmable

power : 29 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED



Average Luminances (Cd/m²) for 3050lm

Gamma	C0	C30	C45	C60	C90
45°	12222	12098	12182	12407	14604
50°	11941	11793	11782	11904	14077
55°	11736	11505	11377	11372	13532
60°	11535	11264	11005	10881	12906
65°	11415	11065	10737	10429	12109
70°	11286	10912	10481	9993	11043
75°	11340	10835	10328	9622	9685
80°	11362	10914	10311	9394	7653
85°	11417	10982	10333	9259	4150

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Classifications

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

Luminous intensities in 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 3050lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	721.9	721.9	721.9	90°	293.3	191.2	1.9
5°	721.9	720.9	720.5	95°	250.1	158.5	0.7
10°	718.9	713.3	708.8	100°	231.5	140.3	0.3
15°	708.3	697.0	689.1	105°	201.3	118.4	0.3
20°	692.0	679.2	662.6	110°	173.3	99.1	0.3
25°	675.8	655.6	624.9	115°	148.7	82.1	0.2
30°	660.6	627.3	588.9	120°	125.6	67.7	0.2
35°	638.6	596.7	550.0	125°	104.7	55.2	0.2
40°	615.3	562.0	499.9	130°	86.2	44.5	0.2
45°	588.0	524.7	451.1	135°	69.3	35.3	0.3
50°	558.1	486.3	395.2	140°	54.5	27.1	0.4
55°	528.2	445.5	339.0	145°	42.0	20.7	0.5
60°	495.3	404.5	281.9	150°	30.9	15.6	1.0
65°	462.7	365.8	223.5	155°	22.0	11.4	1.4
70°	427.0	326.2	165.0	160°	15.1	8.2	1.9
75°	395.0	288.6	109.5	165°	10.9	7.0	3.2
80°	358.7	253.1	58.0	170°	9.9	8.1	6.6
85°	320.5	216.6	15.8	175°	11.1	10.8	10.5
90°	293.3	191.2	1.9	180°	12.2	12.2	12.2

UGR classification

Corrected Glare Ratings for a Total Lamp Flux of 3050lm (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	20.6	22.1	21.1	22.6	23.1	19.4	21.0	20.0	21.5	22.0					
Y = 3H	22.7	24.1	23.2	24.7	25.2	20.8	22.2	21.3	22.8	23.3					
Y = 4H	23.8	25.1	24.3	25.7	26.2	21.3	22.6	21.8	23.2	23.7					
Y = 6H	24.8	26.1	25.4	26.7	27.2	21.6	22.8	22.1	23.4	24.0					
Y = 8H	25.3	26.6	25.9	27.2	27.7	21.6	22.8	22.2	23.4	24.0					
Y = 12H	25.8	27.0	26.4	27.6	28.2	21.6	22.8	22.2	23.4	24.0					
X = 4H Y = 2H	21.1	22.5	21.7	23.0	23.6	20.3	21.6	20.8	22.2	22.7					
Y = 3H	23.5	24.7	24.1	25.3	25.9	21.9	23.1	22.5	23.7	24.2					
Y = 4H	24.8	25.8	25.4	26.4	27.0	22.5	23.6	23.2	24.2	24.8					
Y = 6H	26.0	27.0	26.6	27.6	28.2	23.0	24.0	23.6	24.6	25.2					
Y = 8H	26.6	27.5	27.3	28.2	28.8	23.1	24.0	23.8	24.7	25.3					
Y = 12H	27.2	28.0	27.9	28.7	29.3	23.1	24.0	23.8	24.7	25.3					
X = 8H Y = 4H	25.1	26.0	25.7	26.6	27.3	23.2	24.1	23.9	24.8	25.4					
Y = 6H	26.6	27.4	27.2	28.0	28.7	24.0	24.8	24.7	25.4	26.1					
Y = 8H	27.3	28.0	28.0	28.7	29.4	24.3	24.9	24.9	25.6	26.3					
Y = 12H	28.1	28.7	28.8	29.4	30.2	24.4	25.0	25.1	25.7	26.5					
X = 12H Y = 4H	25.1	25.9	25.7	26.6	27.2	23.4	24.2	24.0	24.9	25.5					
Y = 6H	26.7	27.4	27.4	28.1	28.7	24.3	25.0	25.0	25.7	26.3					
Y = 8H	27.5	28.1	28.2	28.8	29.5	24.7	25.3	25.4	26.0	26.7					
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

Efficiency

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

Dimensional drawing

