

# E62/LED3N40D



## Anbauleuchte • linear

**Anwendung** : Allgemeine Bürobereiche, Allgemeine Gesundheitsbereiche, Raue Umgebungen

**Gehäuse**: Polycarbonat

**Lichtquelle** : LED • 4000 K

**Optik** : lineare Linse • Polycarbonat (PC) • breit strahlend

**UGR-Klassifizierung** :  $\leq 28$

**Lichtstrom**: 4000 lm

**Spezifischer Lichtstrom** : 127 lm/W

**LLMF**: 99% @ 50khrs (Tq=25°C)

## Product information

### Mechanische Merkmale

**Abmessungen** : 1260 mm x 56 mm x 80 mm

**min. Deckenausschnitt** : 90 mm

**Farbe**: RAL7037 - Staubgrau

**Typ** : Einzelleuchte

**IP**: IP66

**IK**: IK07

**Umgebungstemperatur**: -20°C - 35°C •

### Elektrische Ausrüstung

**Betriebsgerät**: DALI dimmbar

**Anschlussleistung** : 31.5 W

**Spannung** : 220-240V

**Frequenz** : 50-60Hz AC

**Fotobiologische Sicherheit** : EN 62471: RISK GROUP 1 UNLIMITED

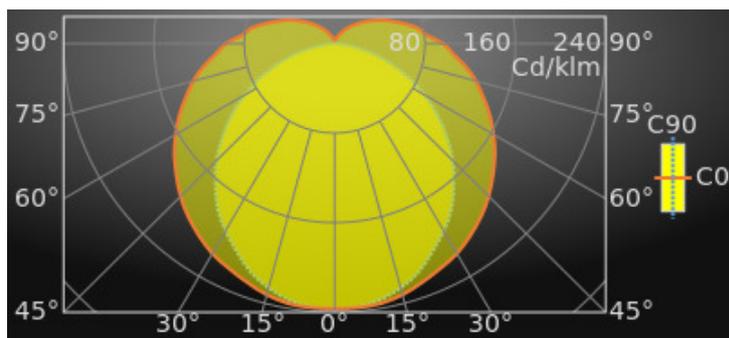
## Leuchtdichte

Lichtstrom : 4000 lm

Spezifischer Lichtstrom : 127 lm/W

UGR-Klassifizierung =: <=28

leuchtende Fläche : 0.06 m<sup>2</sup>



Average Luminances (Cd/m<sup>2</sup>) for 4000lm

Gamma	C0	C30	C45	C60	C90
45°	11036	10924	11001	11203	13187
50°	10783	10649	10639	10749	12711
55°	10598	10389	10273	10269	12219
60°	10416	10171	9938	9825	11654
65°	10308	9992	9695	9417	10934
70°	10191	9853	9464	9024	9972
75°	10240	9784	9326	8688	8746
80°	10260	9855	9311	8483	6910
85°	10309	9916	9331	8361	3748

## Klassifikationen

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

Lifetime Data (Tq=25.0°C)

Time(hrs)	LLMF(%)	Cx(%)
10000	99	1
20000	99	2
30000	99	3
40000	99	4
50000	99	5
60000	98	6
70000	98*	7
80000	98*	8
90000	98*	9
100000	98*	9

Lichtstärken in cd

Intensity for 4000lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	946.8	946.8	946.8	90°	384.7	250.8	2.5
5°	946.8	945.4	945.0	95°	328.0	207.9	1.0
10°	942.9	935.4	929.5	100°	303.6	184.1	0.4
15°	929.0	914.1	903.7	105°	263.9	155.3	0.3
20°	907.5	890.8	869.0	110°	227.2	130.0	0.3
25°	886.4	859.8	819.5	115°	195.0	107.7	0.3
30°	866.3	822.7	772.3	120°	164.7	88.8	0.3
35°	837.5	782.5	721.3	125°	137.3	72.4	0.3
40°	807.0	737.0	655.6	130°	113.0	58.3	0.3
45°	771.1	688.1	591.5	135°	90.8	46.2	0.4
50°	732.0	637.7	518.3	140°	71.5	35.5	0.6
55°	692.8	584.3	444.6	145°	55.1	27.2	0.7
60°	649.5	530.5	369.7	150°	40.5	20.4	1.3
65°	606.9	479.8	293.2	155°	28.9	14.9	1.8
70°	560.0	427.8	216.4	160°	19.8	10.8	2.5
75°	518.1	378.5	143.6	165°	14.3	9.2	4.2
80°	470.5	332.0	76.1	170°	13.0	10.6	8.6
85°	420.4	284.1	20.7	175°	14.5	14.2	13.8
90°	384.7	250.8	2.5	180°	16.0	16.0	16.0

UGR-Klassifizierung =

Corrected Glare Ratings for a Total Lamp Flux of 4000lm (S = 0.25H)

		Room Reflection Factors (%)									
Ceiling		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor		20	20	20	20	20	20	20	20	20	20
Room Dimensions		Viewed Crosswise					Viewed Endwise				
X = 2H Y = 2H		20.2	21.8	20.7	22.3	22.8	19.1	20.6	19.6	21.2	21.6
Y = 3H		22.3	23.8	22.9	24.3	24.8	20.4	21.9	21.0	22.4	22.9
Y = 4H		23.4	24.8	24.0	25.4	25.9	20.9	22.3	21.5	22.9	23.4
Y = 6H		24.5	25.7	25.1	26.3	26.9	21.2	22.5	21.8	23.1	23.6
Y = 8H		25.0	26.2	25.6	26.8	27.4	21.3	22.5	21.9	23.1	23.6
Y = 12H		25.5	26.6	26.1	27.2	27.8	21.3	22.4	21.8	23.0	23.6
X = 4H Y = 2H		20.8	22.1	21.3	22.7	23.2	19.9	21.3	20.5	21.8	22.4
Y = 3H		23.1	24.3	23.7	24.9	25.5	21.5	22.7	22.1	23.3	23.9
Y = 4H		24.4	25.5	25.0	26.1	26.7	22.2	23.3	22.8	23.9	24.5
Y = 6H		25.7	26.6	26.3	27.3	27.9	22.6	23.6	23.3	24.3	24.9
Y = 8H		26.3	27.2	26.9	27.8	28.4	22.8	23.7	23.4	24.3	25.0
Y = 12H		26.8	27.7	27.5	28.4	29.0	22.8	23.6	23.5	24.3	24.9
X = 8H Y = 4H		24.7	25.6	25.4	26.3	26.9	22.9	23.8	23.5	24.4	25.0
Y = 6H		26.2	27.0	26.9	27.7	28.3	23.6	24.4	24.3	25.1	25.7
Y = 8H		27.0	27.7	27.7	28.4	29.1	23.9	24.6	24.6	25.3	26.0
Y = 12H		27.8	28.4	28.5	29.1	29.8	24.1	24.7	24.8	25.4	26.1
X = 12H Y = 4H		24.7	25.6	25.4	26.2	26.9	23.0	23.9	23.7	24.5	25.2
Y = 6H		26.3	27.0	27.0	27.7	28.4	23.9	24.6	24.6	25.3	26.0
Y = 8H		27.2	27.8	27.9	28.5	29.2	24.3	24.9	25.0	25.6	26.3
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			

Colour properties

Correlated Colour Temperature : 4000

Farbwiedergabeindex Ra: CRI (Ra) 80



## Leuchten-Betriebwirkungsgrad

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
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 (%)									
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	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

## Zubehör

E6H1000-1000 *Pendelsatz (max. 1 m)*

## Vermaßte Skizze

