

E62/LED3N40S3

Anbauleuchte • linear

Anwendung : Industrie, Logistik

Lichtquelle : low power LED • 4000 K

Optik : Lineare Linse • Polycarbonat (PC) • breit strahlend

UGR-Klassifizierung : <=28

Lichtstrom: 3950 lm

Spezifischer Lichtstrom : 116 lm/W

LLMF: 93% @ 50khrs (Tq=25°C)



Mechanische Merkmale

min. Deckenausschnitt : 90 mm

Farbe: RAL7037 - Staubgrau

Typ : Einzelleuchte

IP: IP66

Umgebungstemperatur: von -20°C bis 35°C •

Elektrische Ausrüstung

Betriebsgerät: nicht dimmbar

Stromverbrauch : 34 W

Spannung : 220-240V

Frequenz : 50-60Hz AC

Fotobiologische Sicherheit : EN 62471: RISK GROUP 1 UNLIMITED

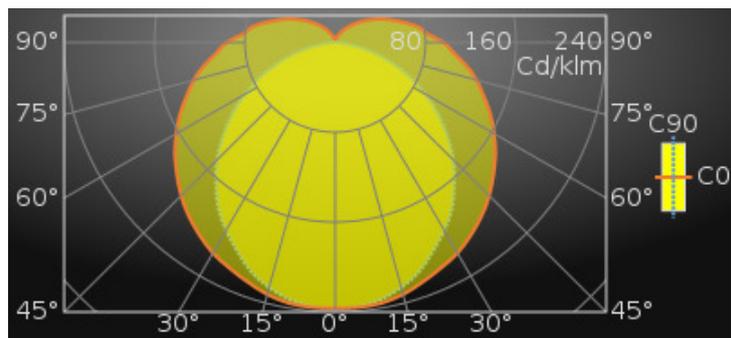
Leuchtdichte

Lichtstrom : 3950 lm

Spezifischer Lichtstrom : 116 lm/W

UGR-Klassifizierung: <=28

leuchtende Fläche : 0.06 m²



Average Luminances (Cd/m²) for 3950lm

Gamma	C0	C30	C45	C60	C90
45°	10898	10787	10863	11063	13022
50°	10648	10516	10506	10615	12552
55°	10465	10259	10144	10141	12067
60°	10286	10044	9813	9702	11508
65°	10179	9867	9574	9299	10797
70°	10064	9730	9345	8911	9847
75°	10112	9661	9209	8580	8636
80°	10131	9732	9194	8377	6824
85°	10181	9792	9214	8257	3701

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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

Lichtstärken in cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	97	4
30	96	6
40	95	8
50	94	10
60	92	12

Intensity for 3950lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	934.9	934.9	934.9	90°	379.9	247.6	2.5
5°	934.9	933.6	933.1	95°	323.9	205.3	1.0
10°	931.1	923.7	917.9	100°	299.8	181.8	0.4
15°	917.4	902.7	892.4	105°	260.6	153.4	0.3
20°	896.2	879.6	858.1	110°	224.4	128.4	0.3
25°	875.3	849.0	809.3	115°	192.5	106.4	0.3
30°	855.5	812.4	762.6	120°	162.6	87.6	0.3
35°	827.0	772.7	712.3	125°	135.5	71.5	0.3
40°	796.9	727.8	647.4	130°	111.6	57.6	0.3
45°	761.5	679.5	584.2	135°	89.7	45.7	0.4
50°	722.8	629.8	511.9	140°	70.6	35.1	0.5
55°	684.1	577.0	439.1	145°	54.4	26.8	0.7
60°	641.4	523.9	365.0	150°	40.0	20.1	1.3
65°	599.3	473.8	289.5	155°	28.5	14.8	1.8
70°	553.0	422.5	213.7	160°	19.6	10.7	2.5
75°	511.6	373.8	141.8	165°	14.2	9.0	4.1
80°	464.6	327.8	75.2	170°	12.8	10.5	8.5
85°	415.1	280.6	20.5	175°	14.3	14.0	13.6
90°	379.9	247.6	2.5	180°	15.8	15.8	15.8

UGR-Klassifizierung

Corrected Glare Ratings for a Total Lamp Flux of 3950lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)														
	Ceiling	Walls	Floor	70	70	50	50	30	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	20.2	21.7	20.7	22.2	22.7	19.0	20.6	19.6	21.1	21.6					
Y = 3H	22.3	23.7	22.8	24.3	24.8	20.4	21.8	20.9	22.4	22.9					
Y = 4H	23.4	24.7	23.9	25.3	25.8	20.9	22.2	21.4	22.8	23.3					
Y = 6H	24.4	25.7	25.0	26.3	26.8	21.2	22.4	21.7	23.0	23.6					
Y = 8H	24.9	26.2	25.5	26.8	27.3	21.2	22.5	21.8	23.0	23.6					
Y = 12H	25.4	26.6	26.0	27.2	27.8	21.2	22.4	21.8	23.0	23.6					
X = 4H Y = 2H	20.7	22.1	21.3	22.6	23.2	19.9	21.2	20.4	21.8	22.3					
Y = 3H	23.1	24.3	23.7	24.9	25.5	21.5	22.7	22.1	23.3	23.8					
Y = 4H	24.4	25.4	25.0	26.0	26.6	22.1	23.2	22.8	23.8	24.4					
Y = 6H	25.6	26.6	26.2	27.2	27.8	22.6	23.6	23.2	24.2	24.8					
Y = 8H	26.2	27.1	26.9	27.8	28.4	22.7	23.6	23.4	24.3	24.9					
Y = 12H	26.8	27.6	27.5	28.3	28.9	22.8	23.6	23.4	24.3	24.9					
X = 8H Y = 4H	24.7	25.6	25.3	26.2	26.9	22.8	23.7	23.5	24.4	25.0					
Y = 6H	26.2	27.0	26.9	27.6	28.3	23.6	24.4	24.3	25.0	25.7					
Y = 8H	26.9	27.6	27.6	28.3	29.0	23.9	24.6	24.5	25.2	25.9					
Y = 12H	27.7	28.3	28.4	29.0	29.8	24.0	24.6	24.7	25.3	26.1					
X = 12H Y = 4H	24.7	25.5	25.3	26.2	26.8	23.0	23.8	23.6	24.5	25.1					
Y = 6H	26.3	27.0	27.0	27.7	28.3	23.9	24.6	24.6	25.3	25.9					
Y = 8H	27.1	27.7	27.8	28.4	29.1	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								

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Colour properties

Correlated Colour Temperature : 4000

Farbwiedergabeindex Ra: 80

Leuchten-Betriebwirkungsgrad

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

Vermaßte Skizze

