

E62/LED3N40S3



surface-mounted luminaire • linear

application : Industry, Logistics

light source : LED LP • 4000 K

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

UGR classification : <=28

luminous flux: 3950 lm

luminous efficacy : 116 lm/W

LLMF: 93% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

cut-out size : 90 mm

colour: RAL7037 - dusty grey

type : individual luminaire

IP: IP66

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

Electrical properties

driver: not dimmable

power : 34 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

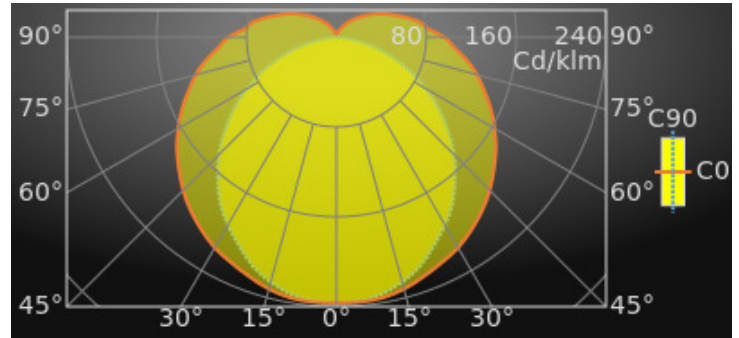
Luminance

luminous flux : 3950 lm

luminous efficacy : 116 lm/W

UGR classification ≤ 28

luminous area : 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

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	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 classification

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

Ceiling Walls Floor	Room Reflection Factors (%)									
	70	70	50	50	30	70	70	50	50	30
	50	30	50	30	30	50	30	50	30	30
	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			



Colour properties

Correlated Colour Temperature : 4000

Ra: 80

Efficiency

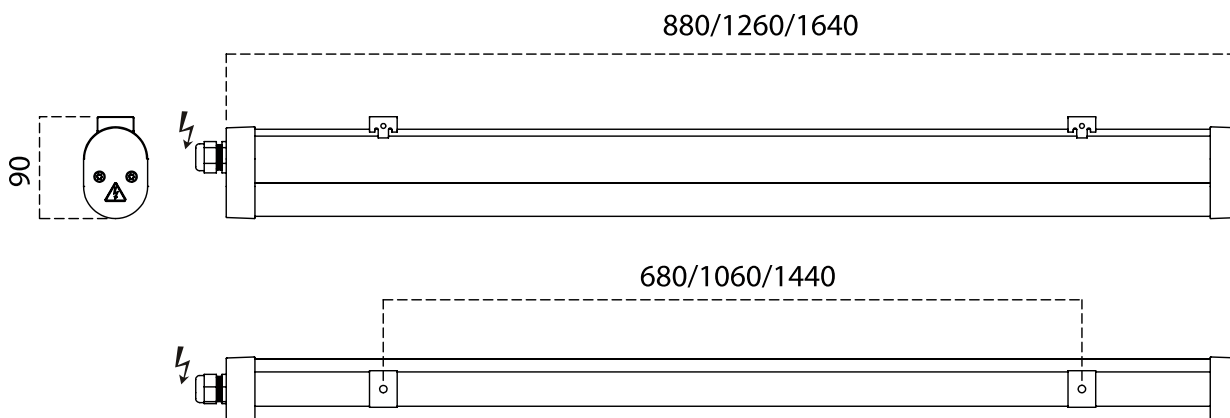
Utilisation Factors according to IES (%)

	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	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	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



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