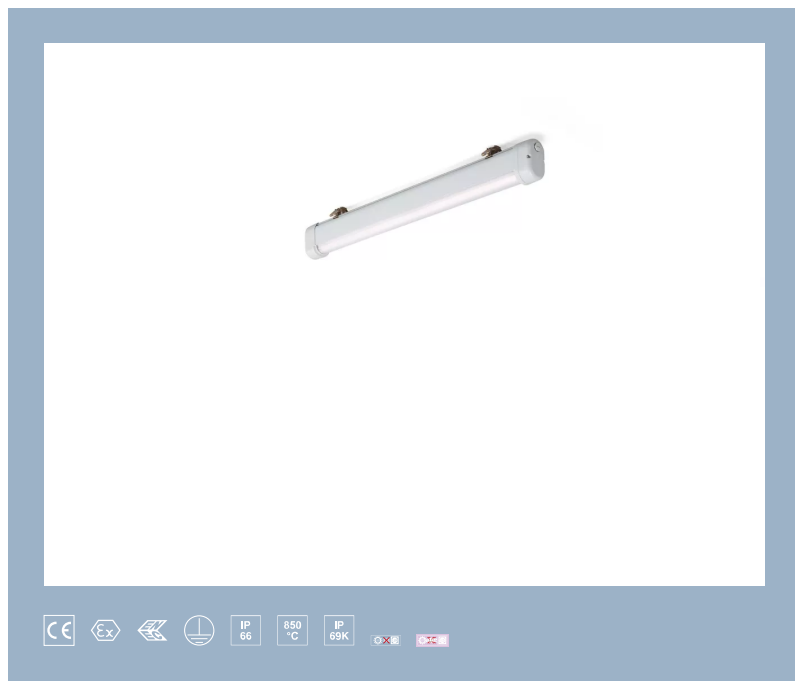


E22/LED4N060S3-ATEX1



luminária de montagem saliente • linear

aplicação : Ambientes ATEX

base: alumínio lacado

fonte de luz : LED • K

óptica : lente linear • Policarbonato (PC) • extensiva

classificação UGR : <=25

fluxo luminoso: 6650 lm

fluxo luminoso específico : 130 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)

Product information

Medidas

dimensões : 1120 mm x 80 mm x 135 mm

cor: RAL7035 - cinzento

tipo : luminária individual

IP: IP66, IP69K

temperatura ambiental: -20°C - 40°C •

ATEX : II 2D Ex tb IIIC T80°C Db, II 3G Ex ec IIC T4 Gc

Equipamento eléctrico

driver: não regulável

potência : 51 W

tensão : 220-240V

frequência : 50-60Hz AC

segurança fotobiológica : EN 62471: RISK GROUP 1
UNLIMITED

Luminance

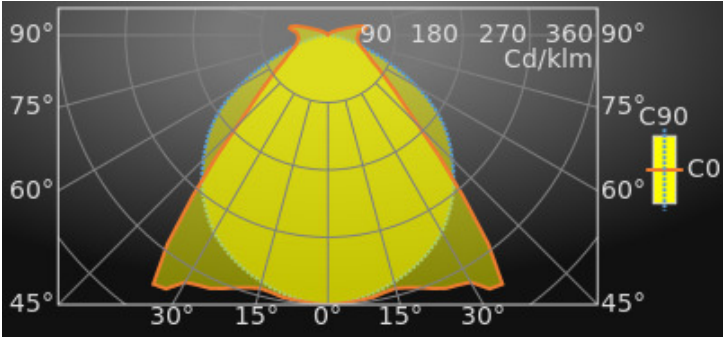
fluxo luminoso : 6650 lm

fluxo luminoso específico : 130 lm/W

classificação UGR =: <=25

área luminosa : 0.07 m²

Average Luminances (Cd/m²) for 6650lm					
Gamma	C0	C30	C45	C60	C90
45°	16826	21689	29857	33996	33547
50°	12090	14581	20127	28768	32757
55°	9430	10842	14072	21794	31216
60°	7736	8722	10579	16204	27819
65°	6932	7341	8471	12063	22761
70°	6347	6730	7301	9256	17467
75°	6288	6346	6600	7455	12949
80°	6629	6232	6305	6405	9120
85°	7410	6622	6257	5817	4548



Classificações

CIE: 528 / 803 / 898 / 942 / 1001

CIE FLUXCODE : 0.56 / 0.85 / 0.95 / 0.94 / 1.00

BZ: BZ4/0.8/BZ3/1/BZ4/1.25/BZ3/1.5/BZ4

CAE: CAE 3/5°/CAE 2/15°/CAE 1/35°/CAE 2/65°/CAE 3

DIN: A40 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.94

DIN_SU: Phi su = 0.60

UTE: 0.94 D + 0.06 T



Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	1
20	98	2
30	98	3
40	97	4
50	96	5
60	96	6

Intensidades luminosas em cd

Intensity for 6650lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	2393.2	2393.2	2393.2	90°	267.7	144.4	1.6
5°	2378.8	2366.8	2371.5	95°	276.8	122.3	0.0
10°	2361.0	2360.1	2328.5	100°	343.9	117.7	0.0
15°	2328.6	2306.4	2268.8	105°	313.3	114.7	0.0
20°	2387.9	2246.3	2203.1	110°	190.6	113.2	0.0
25°	2481.2	2264.4	2120.6	115°	115.0	92.9	0.0
30°	2533.8	2310.7	2022.5	120°	74.6	56.0	0.0
35°	2700.5	2290.4	1888.1	125°	49.2	29.1	0.0
40°	1864.3	2367.2	1737.8	130°	31.6	9.3	0.0
45°	1134.4	1830.7	1562.3	135°	18.7	1.0	0.0
50°	785.0	1173.6	1386.8	140°	2.0	0.0	0.0
55°	584.0	772.0	1179.2	145°	0.0	0.0	0.0
60°	452.3	539.4	916.1	150°	0.0	0.0	0.1
65°	378.2	395.9	633.5	155°	0.0	0.0	0.0
70°	318.9	307.5	393.5	160°	0.0	0.0	0.0
75°	286.3	245.4	220.7	165°	0.0	0.0	0.0
80°	268.3	201.6	104.3	170°	0.1	0.1	0.3
85°	260.2	165.9	26.1	175°	0.0	0.0	0.0
90°	267.7	144.4	1.6	180°	0.0	0.0	0.0

classificação UGR =

Corrected Glare Ratings for a Total Lamp Flux of 6650lm (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	20.1	21.7	20.5	22.1	22.4	23.4	25.0	23.8	25.4	25.8
Y = 3H	20.7	22.1	21.1	22.5	22.9	24.2	25.7	24.6	26.1	26.5
Y = 4H	21.0	22.4	21.5	22.8	23.2	24.4	25.8	24.9	26.2	26.6
Y = 6H	21.5	22.8	22.0	23.2	23.6	24.5	25.8	25.0	26.2	26.6
Y = 8H	21.8	23.1	22.3	23.5	23.9	24.5	25.7	25.0	26.2	26.6
Y = 12H	22.2	23.3	22.6	23.8	24.2	24.5	25.6	24.9	26.1	26.5
X = 4H Y = 2H	20.4	21.8	20.9	22.2	22.6	23.4	24.7	23.8	25.1	25.5
Y = 3H	21.2	22.4	21.7	22.8	23.3	24.3	25.5	24.8	25.9	26.3
Y = 4H	21.7	22.8	22.2	23.2	23.7	24.6	25.6	25.1	26.1	26.6
Y = 6H	22.4	23.3	22.9	23.8	24.3	24.8	25.7	25.3	26.2	26.7
Y = 8H	22.8	23.7	23.3	24.2	24.7	24.8	25.7	25.4	26.2	26.7
Y = 12H	23.3	24.1	23.8	24.6	25.1	24.8	25.6	25.4	26.1	26.7
X = 8H Y = 4H	22.0	22.8	22.5	23.3	23.8	24.6	25.5	25.1	26.0	26.5
Y = 6H	22.8	23.5	23.4	24.1	24.6	24.9	25.6	25.5	26.2	26.7
Y = 8H	23.4	24.0	23.9	24.6	25.1	25.0	25.6	25.6	26.2	26.8
Y = 12H	24.0	24.6	24.6	25.1	25.7	25.0	25.6	25.6	26.2	26.8
X = 12H Y = 4H	22.0	22.8	22.5	23.3	23.8	24.6	25.4	25.2	25.9	26.4
Y = 6H	22.9	23.5	23.5	24.1	24.6	24.9	25.6	25.5	26.1	26.7
Y = 8H	23.5	24.1	24.1	24.6	25.2	25.1	25.6	25.6	26.2	26.8
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.6		-0.6			+0.4		-0.3		
S = 1.5H	+0.9		-0.9			+0.6		-0.8		
S = 2.0H	+1.5		-1.1			+1.5		-1.8		

Colour properties

Ra: CRI (Ra) 80

Eficiência

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	103	100	98	95	93	91	90	88	87	80
2	91	86	82	84	80	77	80	76	74	68
3	80	74	70	74	70	66	71	67	64	59
4	72	65	60	67	61	57	64	59	55	51
5	65	57	52	60	54	50	58	53	49	45
6	59	51	45	55	49	44	53	47	43	40
7	53	46	40	50	44	39	48	42	38	35
8	49	41	36	46	39	35	44	38	34	32
9	45	37	32	42	36	31	41	35	31	29
10	41	34	29	39	33	29	38	32	28	26

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	50	41	48	40	47	40	45	39	38	32
0.80	62	53	58	51	58	51	55	49	48	41
1.00	70	61	65	58	65	58	62	56	55	48
1.25	80	71	73	67	74	67	70	64	63	56
1.50	86	78	78	72	79	73	74	70	68	61
2.00	94	87	84	79	86	80	80	76	74	67
2.50	101	94	89	84	91	86	84	81	78	72
3.00	105	99	92	88	95	91	88	85	82	76
4.00	110	105	95	92	99	95	90	88	85	79
5.00	114	109	98	95	102	98	93	90	88	82