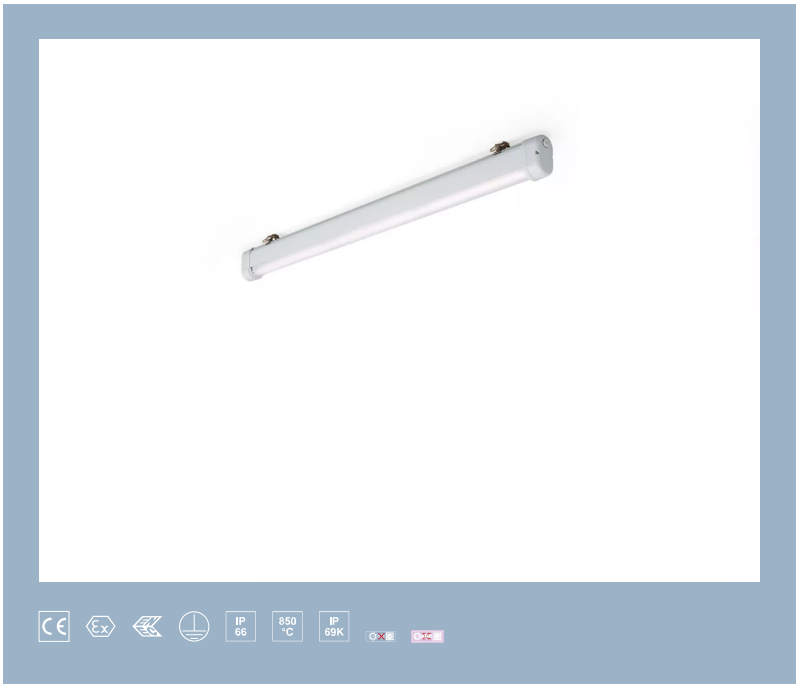
E21/LED6N090S-ATEX1



Anbauleuchte • linear

Anwendung : ATEX-Umgebungen

Gehäuse: lackiertes Aluminium

Lichtquelle : LED • 4000 K

Optik : lineare Linse • Polycarbonat (PC) • mittelbreit strahlend

UGR-Klassifizierung : <=28

Lichtstrom: 9950 lm

Spezifischer Lichtstrom : 133 lm/W

LLMF: 96% @ 50khrs (Tq=25°C)

Product information

Mechanische Merkmale

Abmessungen : 1620 mm x 80 mm x 135 mm

Farbe: RAL7035 - Lichtgrau

Typ : Einzelleuchte

IP: IP66, IP69K

Umgebungstemperatur: -20°C - 40°C •

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

Elektrische Ausrüstung

Betriebsgerät: nicht dimmbar

Anschlussleistung : 75 W

Spannung : 220-240V

Frequenz : 50-60Hz AC

Fotobiologische Sicherheit : EN 62471: RISK GROUP 1 UNLIMITED

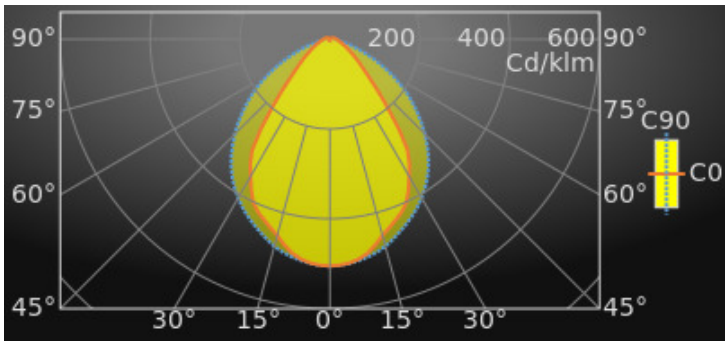
Leuchtdichte

Lichtstrom : 9950 lm

Spezifischer Lichtstrom : 133 lm/W

UGR-Klassifizierung =: <=28

leuchtende Fläche : 0.1 m²



Average Luminances (Cd/m²) for 9950lm

Gamma	C0	C30	C45	C60	C90
45°	12751	17427	24977	31682	42366
50°	9192	12018	17924	27424	39533
55°	7074	8851	12694	21754	36361
60°	5557	6947	9377	16400	31994
65°	4665	5562	7302	12049	26426
70°	3853	4772	6028	8986	20599
75°	3375	4162	5064	6870	15394
80°	3159	3649	4461	5456	10779
85°	3024	3371	3985	4454	5230

Klassifikationen

CIE: 607 / 867 / 954 / 983 / 1002

CIE FLUXCODE : 0.62 / 0.88 / 0.97 / 0.98 / 1.00

BZ: BZ2/1/BZ3/1.25/BZ2/1.5/BZ3

CAE: CAE 3/5°/CAE 2/55°/CAE 3

DIN: A50 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.98

DIN_SU: Phi su = 0.64

UTE: 0.98 C + 0.02 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

Lichtstärken in cd

Intensity for 9950lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	5024.2	5024.2	5024.2	90°	140.2	123.5	2.2
5°	4976.3	4963.1	4985.4	95°	118.4	90.6	0.1
10°	4813.9	4893.2	4896.0	100°	109.6	70.2	0.0
15°	4500.3	4662.3	4749.1	105°	95.8	52.9	0.1
20°	4262.0	4353.4	4535.9	110°	76.0	39.9	0.0
25°	4001.5	4126.6	4315.6	115°	59.1	30.2	0.0
30°	3506.5	3895.7	4062.0	120°	44.9	21.6	0.0
35°	2996.2	3390.3	3758.4	125°	32.1	14.2	0.0
40°	2005.9	2966.4	3392.3	130°	22.2	7.7	0.0
45°	1297.0	2310.5	2976.6	135°	14.5	0.5	0.0
50°	900.4	1576.8	2524.9	140°	7.4	0.0	0.0
55°	661.0	1050.6	2072.3	145°	0.1	0.0	0.1
60°	490.2	721.3	1589.5	150°	0.0	0.0	0.1
65°	384.0	514.8	1109.7	155°	0.0	0.0	0.2
70°	292.0	383.1	700.0	160°	0.0	0.0	0.3
75°	231.9	284.1	395.9	165°	0.2	0.0	0.2
80°	192.9	215.2	186.0	170°	1.1	0.8	0.5
85°	160.2	159.4	45.3	175°	2.6	2.3	1.9
90°	140.2	123.5	2.2	180°	2.4	2.4	2.4

UGR-Klassifizierung =

Corrected Glare Ratings for a Total Lamp Flux of 9950lm (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	18.6	20.2	18.9	20.5	20.8	24.2	25.8	24.5	26.1	26.4
Y = 3H	18.9	20.4	19.3	20.7	21.0	25.1	26.5	25.4	26.9	27.2
Y = 4H	19.1	20.5	19.5	20.8	21.2	25.3	26.7	25.7	27.0	27.4
Y = 6H	19.3	20.6	19.7	20.9	21.3	25.4	26.7	25.8	27.1	27.4
Y = 8H	19.4	20.6	19.8	21.0	21.4	25.4	26.7	25.8	27.0	27.4
Y = 12H	19.5	20.7	19.9	21.1	21.4	25.4	26.6	25.8	27.0	27.3
X = 4H Y = 2H	19.2	20.6	19.6	20.9	21.2	24.1	25.4	24.4	25.8	26.1
Y = 3H	19.7	20.8	20.1	21.2	21.6	25.1	26.3	25.5	26.6	27.0
Y = 4H	19.9	21.0	20.4	21.4	21.8	25.4	26.5	25.9	26.9	27.3
Y = 6H	20.2	21.2	20.7	21.6	22.0	25.6	26.6	26.1	27.0	27.4
Y = 8H	20.4	21.2	20.9	21.7	22.1	25.7	26.5	26.1	27.0	27.4
Y = 12H	20.5	21.3	21.0	21.8	22.3	25.7	26.4	26.1	26.9	27.4
X = 8H Y = 4H	20.2	21.1	20.7	21.5	21.9	25.4	26.2	25.9	26.7	27.1
Y = 6H	20.6	21.3	21.1	21.8	22.3	25.7	26.4	26.1	26.8	27.3
Y = 8H	20.9	21.5	21.4	22.0	22.5	25.7	26.4	26.2	26.8	27.4
Y = 12H	21.1	21.7	21.7	22.2	22.7	25.8	26.3	26.3	26.8	27.4
X = 12H Y = 4H	20.2	21.0	20.7	21.5	21.9	25.4	26.1	25.8	26.6	27.1
Y = 6H	20.7	21.3	21.2	21.8	22.3	25.6	26.3	26.2	26.8	27.3
Y = 8H	21.0	21.5	21.5	22.1	22.6	25.7	26.3	26.3	26.8	27.3
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+1.0		-1.0			+0.2		-0.3		
S = 1.5H	+1.4		-1.5			+0.7		-0.9		
S = 2.0H	+2.2		-1.9			+1.9		-2.0		

Colour properties

Correlated Colour Temperature : 4000

Farbwiedergabeindex Ra: CRI (Ra) 80

Leuchten-Betriebwirkungsgrad

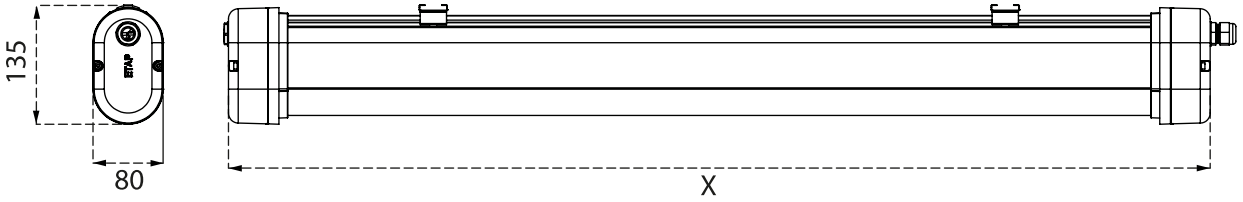
Utilisation Factors according to IES (%)

	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	105	103	101	98	96	95	94	93	91	86
2	94	89	86	88	84	82	84	81	79	74
3	84	78	73	79	74	71	76	72	69	65
4	75	69	64	71	66	62	69	64	61	57
5	68	61	56	65	59	55	63	58	54	51
6	62	55	50	59	53	49	58	52	48	45
7	57	50	45	55	48	44	53	47	43	41
8	53	45	40	50	44	40	49	43	39	37
9	49	41	37	47	40	36	46	40	36	34
10	45	38	33	44	37	33	42	37	33	31

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	55	47	52	46	53	46	51	45	44	38
0.80	67	58	62	56	63	56	60	55	54	48
1.00	75	66	70	63	71	64	67	62	61	55
1.25	85	76	77	72	79	73	75	70	69	63
1.50	91	83	82	77	85	79	79	75	74	68
2.00	98	91	88	83	91	86	85	81	79	74
2.50	104	98	92	88	96	91	89	85	84	79
3.00	109	103	95	92	100	96	92	89	87	83
4.00	113	108	98	95	103	99	94	92	90	85
5.00	117	112	100	98	106	103	96	94	92	88

Vermaßte Skizze



E2*/LED2*	620 mm
E2*/LED4*	1120 mm
E2*/LED6*	1620 mm