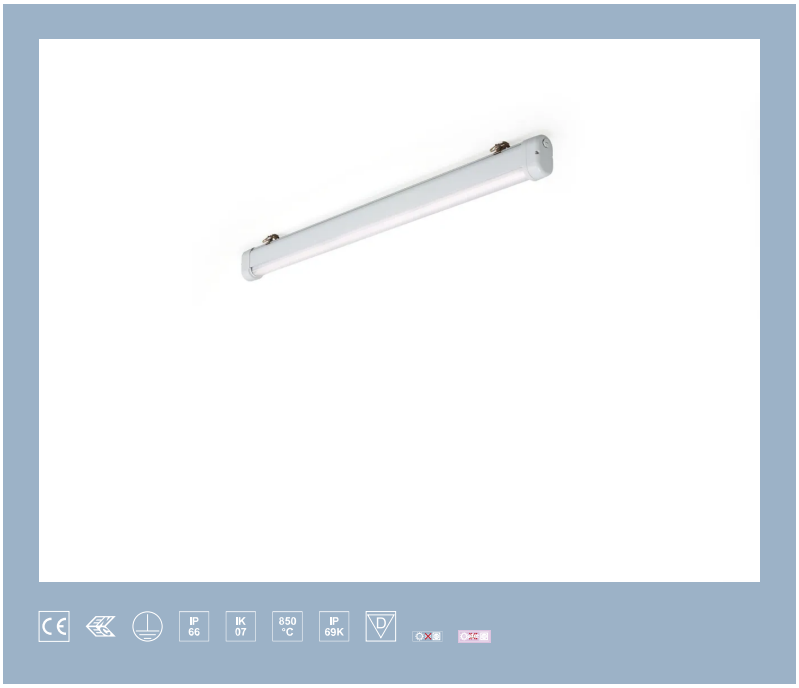
E22/LED6N075DB



surface-mounted luminaire • linear

Application : Industry ? Food industry, Industry ? Corrosive environment

housing: lacquered aluminium

light source : LED • 4000 K

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

UGR classification : <=25

luminous flux: 7450 lm

luminous efficacy : 136 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1620 mm x 80 mm x 135 mm

colour: RAL7035 - light grey

type : individual luminaire

IP: IP66, IP69K

IK: IK07

ambient temperature: -25°C - 35°C (Optional: -35°C - 60°C) •

Electrical properties

driver: DALI dimmable

power : 55 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

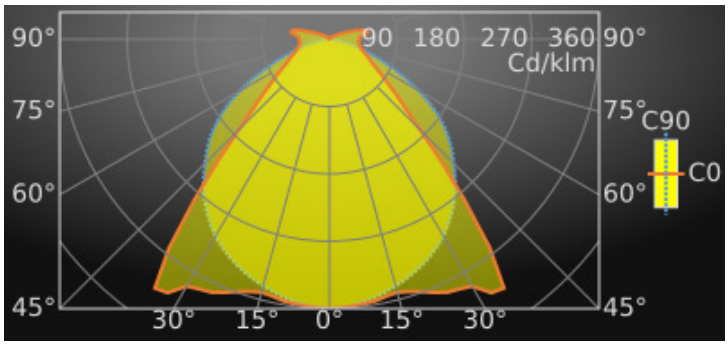
Luminance

luminous flux : 7450 lm

luminous efficacy : 136 lm/W

UGR classification =: <=25

luminous area : 0.1 m²



Average Luminances (Cd/m²) for 7450lm

Gamma	C0	C30	C45	C60	C90
45°	12495	16106	22171	25245	24912
50°	8978	10828	14946	21363	24325
55°	7003	8051	10450	16184	23180
60°	5745	6477	7856	12033	20658
65°	5147	5451	6291	8958	16902
70°	4713	4997	5422	6874	12971
75°	4669	4712	4901	5536	9616
80°	4922	4628	4682	4756	6772
85°	5503	4917	4646	4320	3377

Classifications

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	100	2
20	99	4
30	99	6
40	98	8
50	98	10
60	97	12

Luminous intensities in cd

Intensity for 7450lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	2681.1	2681.1	2681.1	90°	299.9	161.7	1.8
5°	2665.0	2651.5	2656.8	95°	310.1	137.0	0.0
10°	2645.0	2644.1	2608.7	100°	385.3	131.9	0.0
15°	2608.7	2583.8	2541.8	105°	351.0	128.5	0.0
20°	2675.1	2516.6	2468.1	110°	213.5	126.8	0.0
25°	2779.7	2536.8	2375.7	115°	128.8	104.1	0.0
30°	2838.6	2588.7	2265.8	120°	83.6	62.7	0.0
35°	3025.4	2565.9	2115.3	125°	55.1	32.6	0.0
40°	2088.5	2652.0	1946.9	130°	35.4	10.4	0.0
45°	1270.9	2050.9	1750.3	135°	21.0	1.1	0.0
50°	879.4	1314.8	1553.6	140°	2.2	0.0	0.0
55°	654.3	864.9	1321.1	145°	0.0	0.0	0.0
60°	506.7	604.3	1026.3	150°	0.0	0.0	0.1
65°	423.7	443.5	709.7	155°	0.0	0.0	0.0
70°	357.2	344.5	440.8	160°	0.0	0.0	0.0
75°	320.7	275.0	247.3	165°	0.0	0.0	0.0
80°	300.6	225.8	116.8	170°	0.1	0.1	0.3
85°	291.5	185.8	29.2	175°	0.0	0.0	0.0
90°	299.9	161.7	1.8	180°	0.0	0.0	0.0

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 7450lm (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	19.0	20.7	19.4	21.0	21.4	22.4	24.0	22.8	24.4	24.7
Y = 3H	19.6	21.1	20.0	21.5	21.9	23.2	24.6	23.6	25.0	25.4
Y = 4H	20.0	21.4	20.4	21.8	22.2	23.4	24.8	23.8	25.2	25.6
Y = 6H	20.5	21.8	20.9	22.2	22.6	23.5	24.7	23.9	25.2	25.6
Y = 8H	20.8	22.0	21.3	22.5	22.9	23.5	24.7	23.9	25.1	25.6
Y = 12H	21.1	22.3	21.6	22.7	23.2	23.4	24.6	23.9	25.1	25.5
X = 4H Y = 2H	19.4	20.8	19.9	21.2	21.6	22.3	23.7	22.8	24.1	24.5
Y = 3H	20.2	21.4	20.7	21.8	22.2	23.3	24.4	23.7	24.9	25.3
Y = 4H	20.7	21.7	21.2	22.2	22.7	23.6	24.6	24.1	25.1	25.5
Y = 6H	21.4	22.3	21.9	22.8	23.3	23.8	24.7	24.3	25.2	25.7
Y = 8H	21.8	22.6	22.3	23.2	23.7	23.8	24.7	24.3	25.2	25.7
Y = 12H	22.2	23.0	22.8	23.6	24.1	23.8	24.6	24.3	25.1	25.6
X = 8H Y = 4H	20.9	21.8	21.4	22.3	22.8	23.6	24.4	24.1	25.0	25.5
Y = 6H	21.8	22.5	22.3	23.0	23.6	23.9	24.6	24.4	25.1	25.7
Y = 8H	22.3	23.0	22.9	23.5	24.1	24.0	24.6	24.5	25.2	25.7
Y = 12H	23.0	23.5	23.6	24.1	24.7	24.0	24.6	24.6	25.1	25.7
X = 12H Y = 4H	20.9	21.7	21.5	22.2	22.8	23.6	24.4	24.1	24.9	25.4
Y = 6H	21.9	22.5	22.4	23.0	23.6	23.9	24.5	24.5	25.1	25.7
Y = 8H	22.5	23.0	23.0	23.6	24.2	24.0	24.6	24.6	25.2	25.8
	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

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

Efficiency

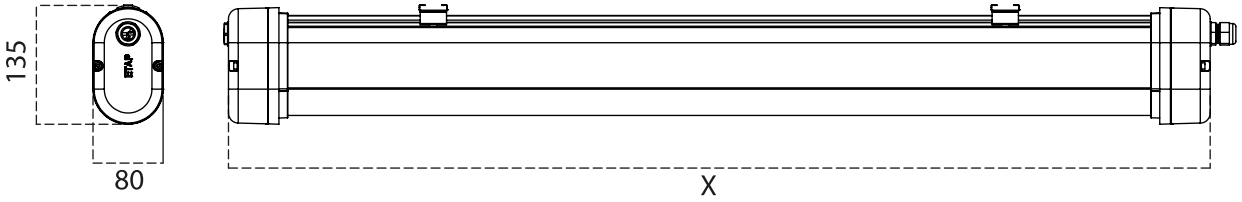
Utilisation Factors according to IES (%)

	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

Dimensional drawing



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