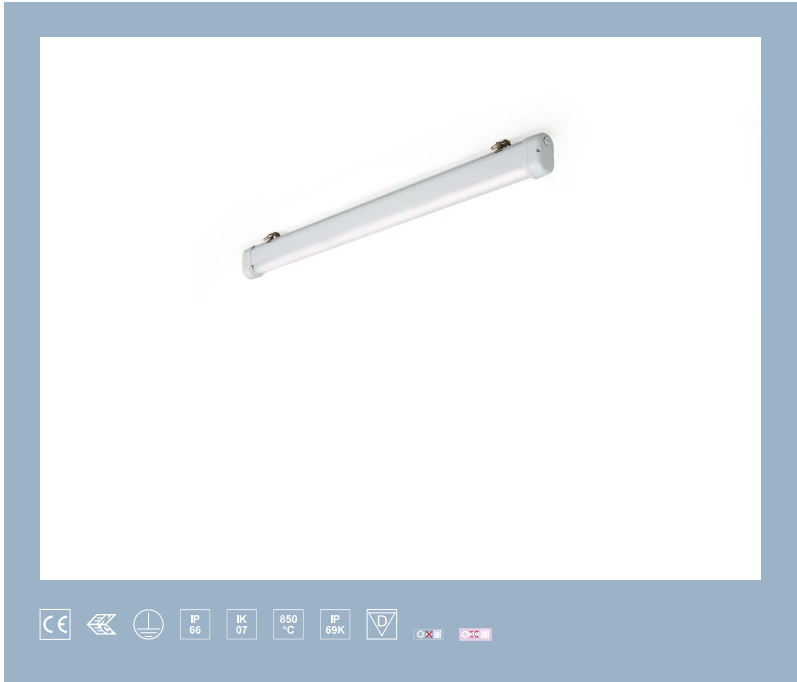


E21/LED6N075D



surface-mounted luminaire • linear

Application : Industry ? Food industry, Industry ? Corrosive environment

housing: lacquered aluminium

light source : LED • 4000 K

optics : linear lens • polycarbonate (PC) • medium 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

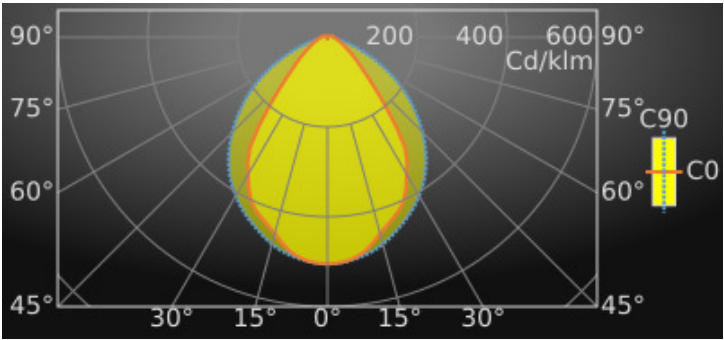
luminous flux : 7450 lm

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°	9547	13048	18702	23722	31721
50°	6882	8998	13421	20534	29600
55°	5297	6627	9505	16288	27225
60°	4161	5202	7021	12279	23955
65°	3493	4164	5467	9021	19786
70°	2885	3573	4513	6728	15423
75°	2527	3116	3791	5144	11526
80°	2365	2732	3340	4085	8071
85°	2264	2524	2984	3335	3916



Classifications

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



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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°	3761.8	3761.8	3761.8	90°	105.0	92.5	1.7
5°	3726.0	3716.1	3732.8	95°	88.7	67.9	0.1
10°	3604.4	3663.8	3665.9	100°	82.0	52.6	0.0
15°	3369.5	3490.9	3555.8	105°	71.7	39.6	0.1
20°	3191.2	3259.6	3396.2	110°	56.9	29.9	0.0
25°	2996.1	3089.8	3231.3	115°	44.2	22.6	0.0
30°	2625.5	2916.9	3041.4	120°	33.6	16.2	0.0
35°	2243.4	2538.5	2814.1	125°	24.0	10.6	0.0
40°	1501.9	2221.1	2540.0	130°	16.6	5.8	0.0
45°	971.1	1730.0	2228.7	135°	10.9	0.4	0.0
50°	674.1	1180.6	1890.5	140°	5.6	0.0	0.0
55°	494.9	786.6	1551.6	145°	0.1	0.0	0.1
60°	367.0	540.1	1190.1	150°	0.0	0.0	0.1
65°	287.5	385.4	830.9	155°	0.0	0.0	0.1
70°	218.6	286.8	524.1	160°	0.0	0.0	0.2
75°	173.6	212.7	296.4	165°	0.1	0.0	0.1
80°	144.5	161.1	139.3	170°	0.8	0.6	0.4
85°	120.0	119.3	33.9	175°	1.9	1.7	1.4
90°	105.0	92.5	1.7	180°	1.8	1.8	1.8

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	17.6	19.2	17.9	19.5	19.8	23.2	24.8	23.5	25.1	25.4
Y = 3H	17.9	19.4	18.3	19.7	20.0	24.1	25.5	24.4	25.9	26.2
Y = 4H	18.1	19.5	18.5	19.8	20.2	24.3	25.7	24.7	26.0	26.4
Y = 6H	18.3	19.6	18.7	19.9	20.3	24.4	25.7	24.8	26.0	26.4
Y = 8H	18.4	19.6	18.8	20.0	20.4	24.4	25.7	24.8	26.0	26.4
Y = 12H	18.5	19.7	18.9	20.0	20.4	24.4	25.6	24.8	25.9	26.3
X = 4H Y = 2H	18.2	19.5	18.5	19.9	20.2	23.1	24.4	23.4	24.8	25.1
Y = 3H	18.7	19.8	19.1	20.2	20.6	24.1	25.3	24.5	25.6	26.0
Y = 4H	18.9	20.0	19.4	20.4	20.8	24.4	25.5	24.9	25.9	26.3
Y = 6H	19.2	20.1	19.7	20.6	21.0	24.6	25.5	25.1	26.0	26.4
Y = 8H	19.4	20.2	19.8	20.7	21.1	24.7	25.5	25.1	26.0	26.4
Y = 12H	19.5	20.3	20.0	20.8	21.3	24.7	25.4	25.1	25.9	26.4
X = 8H Y = 4H	19.2	20.1	19.7	20.5	20.9	24.4	25.2	24.8	25.7	26.1
Y = 6H	19.6	20.3	20.1	20.8	21.3	24.7	25.4	25.1	25.8	26.3
Y = 8H	19.9	20.5	20.4	21.0	21.5	24.7	25.4	25.2	25.8	26.4
Y = 12H	20.1	20.7	20.7	21.2	21.7	24.8	25.3	25.3	25.8	26.4
X = 12H Y = 4H	19.2	20.0	19.7	20.5	20.9	24.4	25.1	24.8	25.6	26.1
Y = 6H	19.7	20.3	20.2	20.8	21.3	24.6	25.3	25.1	25.8	26.3
Y = 8H	20.0	20.5	20.5	21.0	21.6	24.7	25.3	25.3	25.8	26.3
	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

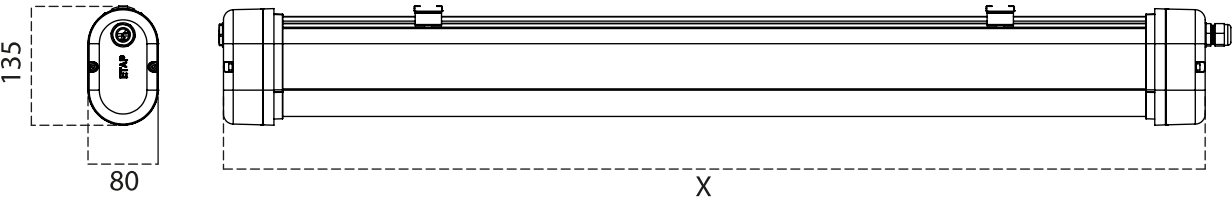
Ra: CRI (Ra) 80

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	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

Dimensional drawing



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