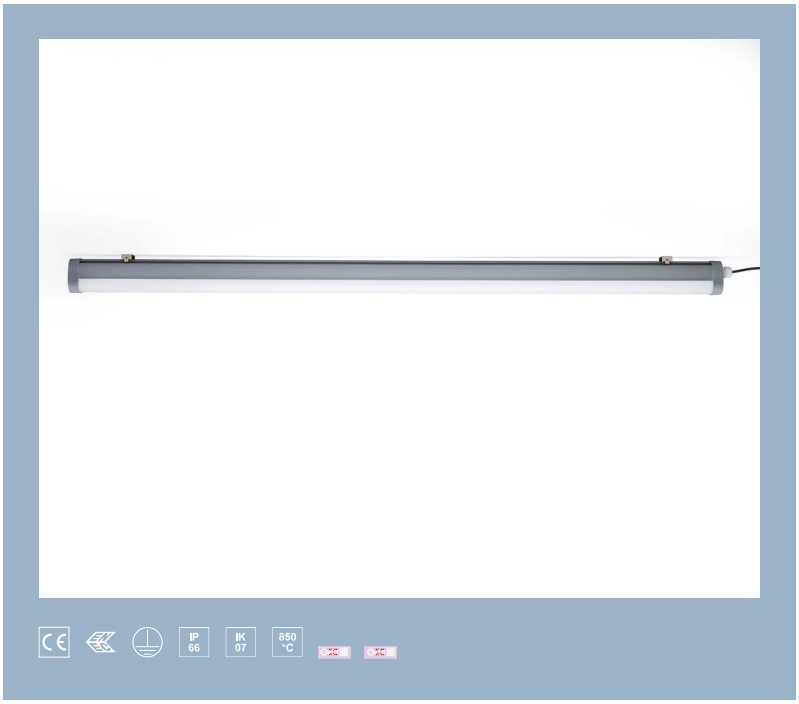
E62/LED4N60D



surface-mounted luminaire • linear

Application : General office area’s, General healthcare area’s, Harsh environments

housing: polycarbonate

light source : LED • 4000 K

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

UGR classification : <=28

luminous flux: 6000 lm

luminous efficacy : 125 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1640 mm x 56 mm x 80 mm

cut-out size : 90 mm

colour: RAL7037 - dusty grey

type : individual luminaire

IP: IP66

IK: IK07

ambient temperature: -20°C - 35°C •

Electrical properties

driver: DALI dimmable

power : 48 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

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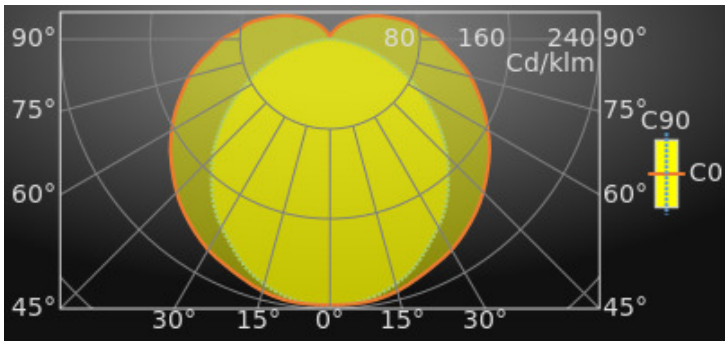
Luminance

luminous flux : 6000 lm

luminous efficacy : 125 lm/W

UGR classification =: <=28

luminous area : 0.08 m²



Average Luminances (Cd/m²) for 6000lm

Gamma	C0	C30	C45	C60	C90
45°	12622	12494	12582	12814	15082
50°	12333	12180	12169	12294	14538
55°	12121	11883	11750	11745	13976
60°	11913	11634	11366	11237	13329
65°	11789	11428	11089	10771	12506
70°	11656	11270	10824	10321	11405
75°	11712	11190	10667	9937	10003
80°	11734	11272	10649	9702	7904
85°	11791	11342	10672	9563	4286

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

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Lifetime Data (Tq=25.0°C)

Time(hrs)	LLMF(%)	Cx(%)
10000	99	1
20000	99	2
30000	99	3
40000	99	4
50000	99	5
60000	98	6
70000	98*	7
80000	98*	8
90000	98*	9
100000	98*	9

Luminous intensities in cd

Intensity for 6000lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1420.2	1420.2	1420.2	90°	577.1	376.1	3.8
5°	1420.2	1418.2	1417.4	95°	492.0	311.8	1.5
10°	1414.3	1403.1	1394.3	100°	455.4	276.1	0.6
15°	1393.5	1371.2	1355.6	105°	395.9	233.0	0.5
20°	1361.3	1336.1	1303.5	110°	340.8	195.0	0.5
25°	1329.5	1289.7	1229.3	115°	292.5	161.6	0.4
30°	1299.5	1234.0	1158.5	120°	247.0	133.1	0.4
35°	1256.2	1173.7	1082.0	125°	205.9	108.6	0.4
40°	1210.5	1105.5	983.4	130°	169.5	87.5	0.4
45°	1156.7	1032.1	887.3	135°	136.3	69.4	0.7
50°	1097.9	956.6	777.5	140°	107.2	53.2	0.8
55°	1039.1	876.5	667.0	145°	82.7	40.8	1.1
60°	974.3	795.8	554.5	150°	60.8	30.6	1.9
65°	910.3	719.6	439.7	155°	43.3	22.4	2.7
70°	839.9	641.7	324.5	160°	29.8	16.2	3.8
75°	777.1	567.7	215.4	165°	21.5	13.7	6.3
80°	705.7	497.9	114.2	170°	19.5	15.9	12.9
85°	630.5	426.2	31.1	175°	21.7	21.3	20.7
90°	577.1	376.1	3.8	180°	24.0	24.0	24.0

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 6000lm (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	20.7	22.2	21.2	22.7	23.2	19.6	21.1	20.1	21.6	22.1
Y = 3H	22.8	24.2	23.4	24.8	25.3	20.9	22.3	21.5	22.9	23.4
Y = 4H	23.9	25.2	24.5	25.8	26.3	21.4	22.8	22.0	23.3	23.9
Y = 6H	24.9	26.2	25.5	26.8	27.3	21.7	22.9	22.3	23.5	24.1
Y = 8H	25.4	26.7	26.0	27.3	27.8	21.7	23.0	22.3	23.6	24.1
Y = 12H	25.9	27.1	26.5	27.7	28.3	21.7	22.9	22.3	23.5	24.1
X = 4H Y = 2H	21.2	22.6	21.8	23.2	23.7	20.4	21.7	20.9	22.3	22.8
Y = 3H	23.6	24.8	24.2	25.4	26.0	22.0	23.2	22.6	23.8	24.3
Y = 4H	24.9	25.9	25.5	26.6	27.1	22.7	23.7	23.3	24.3	24.9
Y = 6H	26.1	27.1	26.8	27.7	28.3	23.1	24.1	23.8	24.7	25.3
Y = 8H	26.7	27.6	27.4	28.3	28.9	23.2	24.1	23.9	24.8	25.4
Y = 12H	27.3	28.1	28.0	28.8	29.5	23.3	24.1	23.9	24.8	25.4
X = 8H Y = 4H	25.2	26.1	25.8	26.7	27.4	23.3	24.2	24.0	24.9	25.5
Y = 6H	26.7	27.5	27.4	28.1	28.8	24.1	24.9	24.8	25.5	26.2
Y = 8H	27.5	28.2	28.1	28.8	29.5	24.4	25.1	25.1	25.8	26.4
Y = 12H	28.2	28.9	28.9	29.6	30.3	24.5	25.1	25.2	25.9	26.6
X = 12H Y = 4H	25.2	26.0	25.9	26.7	27.3	23.5	24.3	24.1	25.0	25.6
Y = 6H	26.8	27.5	27.5	28.2	28.8	24.4	25.1	25.1	25.8	26.4
Y = 8H	27.6	28.2	28.3	29.0	29.7	24.8	25.4	25.5	26.1	26.8

	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: CRI (Ra) 80

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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	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 (%)									
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

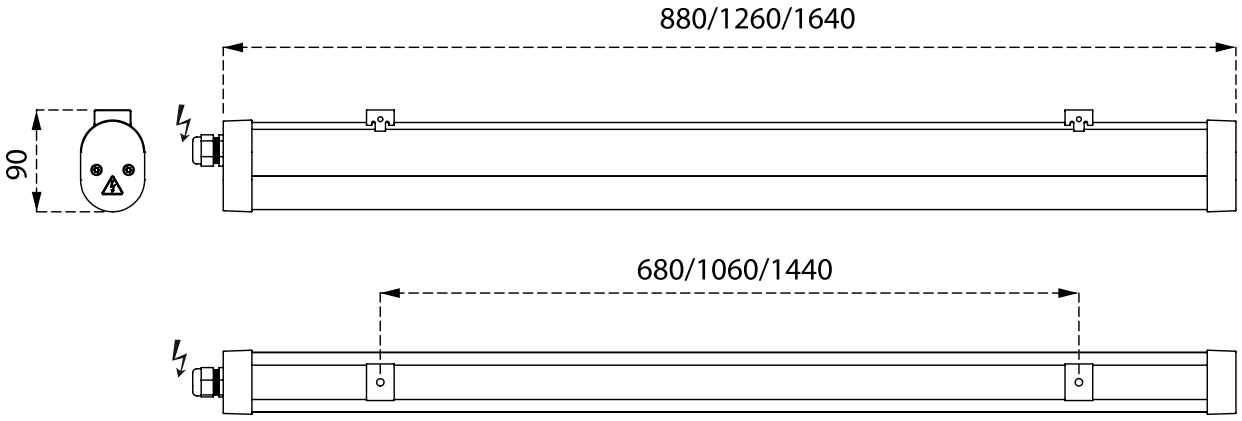
Available accessories

E6H1000-1000 *Suspension set (max. 1 m)*

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Dimensional drawing



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