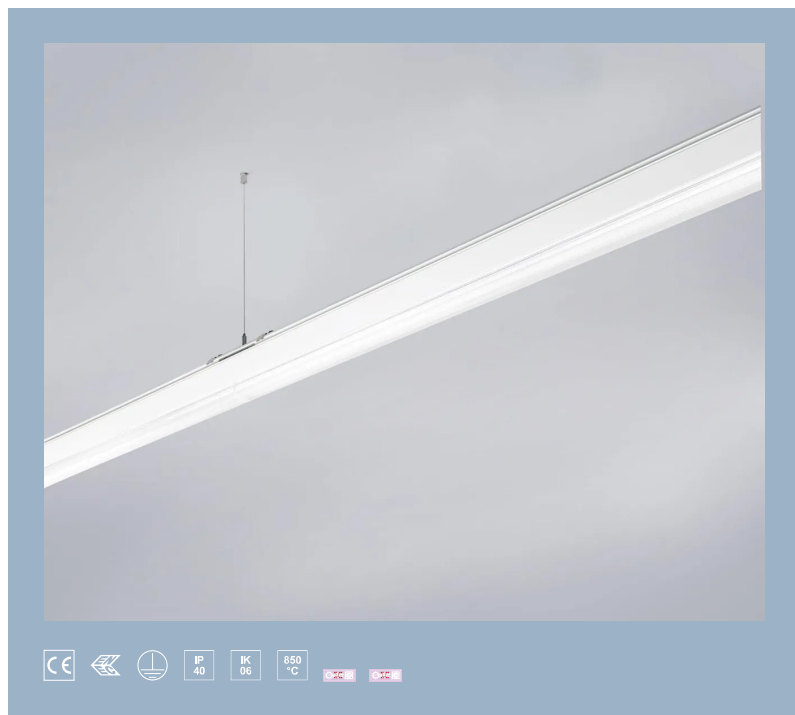


E4611/LED1W040D



industrial luminaire • linear

Application : Industry ? Production area, Industry ? Warehouse

housing: lacquered aluminium

light source : LED • 3000 K

optics : DUAL?LENS • polycarbonate (PC) • double asymmetric

UGR classification : <=25

luminous flux: 5050 lm

luminous efficacy : 126 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1000 mm x 60 mm x 135 mm

colour: RAL9016 - traffic white

type : in-line mounting: intermediate luminaire

IP: IP40

IK: IK06

Electrical properties

driver: DALI dimmable

power : 40 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1
UNLIMITED

Luminance

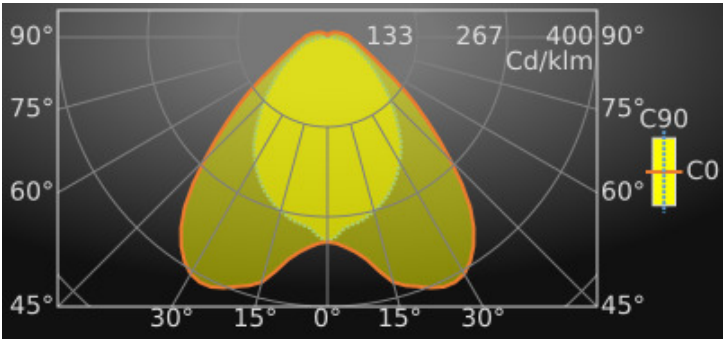
luminous flux : 5050 lm

luminous efficacy : 126 lm/W

UGR classification =: <=25

luminous area : 0.06 m²

Average Luminances (Cd/m²) for 5050lm					
Gamma	C0	C30	C45	C60	C90
45°	20424	23059	25969	27155	15739
50°	15776	17359	18747	23672	13877
55°	12100	12752	13261	17340	12476
60°	9027	9517	9540	11771	11216
65°	7350	7636	7337	8611	10315
70°	6369	6582	6085	6814	10285
75°	5776	5952	5334	5850	10109
80°	5610	5632	4970	5376	9585
85°	5243	5436	4730	5056	7212



Classifications

CIE: 513 / 797 / 893 / 939 / 1000

CIE FLUXCODE : 0.55 / 0.85 / 0.95 / 0.94 / 1.00

BZ: BZ4/1.25/BZ3/1.5/BZ4

CAE: CAE 4/25°/CAE 3

DIN: A40 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.94

DIN_SU: Phi su = 0.59

UTE: 0.94 D + 0.06 T



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Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	99	4
30	98	6
40	98	8
50	97	10
60	97	12

Luminous intensities in cd

Intensity for 5050lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1534.6	1534.6	1534.6	90°	172.2	118.3	32.6
5°	1579.6	1494.2	1439.1	95°	149.6	95.5	6.1
10°	1691.9	1783.4	1402.9	100°	128.7	74.0	7.5
15°	1900.3	1673.3	1350.1	105°	109.2	66.7	8.6
20°	1988.8	1814.0	1280.7	110°	94.4	59.1	9.1
25°	2065.0	1843.1	1191.3	115°	83.4	51.4	9.9
30°	2049.2	1850.2	1082.4	120°	72.0	44.3	10.5
35°	1909.0	1826.5	957.4	125°	61.7	39.4	10.9
40°	1663.8	1776.5	803.8	130°	53.0	35.1	11.4
45°	1299.8	1491.3	667.7	135°	45.7	31.3	11.8
50°	971.0	1027.7	535.2	140°	38.9	28.0	12.4
55°	713.8	686.8	429.3	145°	33.7	24.9	12.5
60°	505.4	461.5	336.5	150°	28.7	22.2	12.9
65°	386.2	327.1	261.6	155°	24.6	19.9	13.2
70°	310.2	246.2	211.1	160°	20.9	17.8	13.3
75°	257.1	192.1	157.0	165°	18.0	16.3	13.5
80°	224.2	155.6	99.9	170°	15.8	14.9	13.7
85°	184.1	124.7	37.7	175°	14.5	14.0	13.7
90°	172.2	118.3	32.6	180°	13.7	13.7	13.7

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 5050lm (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	21.0	22.7	21.4	23.1	23.4	20.8	22.5	21.2	22.8	23.2
Y = 3H	21.6	23.1	22.0	23.5	23.9	21.4	22.9	21.8	23.3	23.7
Y = 4H	21.9	23.3	22.4	23.7	24.1	21.7	23.1	22.1	23.5	23.9
Y = 6H	22.3	23.6	22.7	24.0	24.4	21.9	23.2	22.4	23.6	24.1
Y = 8H	22.5	23.7	22.9	24.1	24.6	22.0	23.2	22.5	23.7	24.1
Y = 12H	22.6	23.8	23.1	24.3	24.7	22.0	23.2	22.5	23.7	24.1
X = 4H Y = 2H	21.2	22.6	21.7	23.0	23.4	21.0	22.4	21.4	22.8	23.2
Y = 3H	22.0	23.2	22.5	23.6	24.1	21.7	22.9	22.2	23.4	23.8
Y = 4H	22.5	23.5	23.0	24.0	24.4	22.1	23.2	22.6	23.6	24.1
Y = 6H	23.0	23.9	23.5	24.4	24.9	22.5	23.4	23.0	23.9	24.4
Y = 8H	23.3	24.1	23.8	24.6	25.2	22.6	23.5	23.1	24.0	24.5
Y = 12H	23.5	24.3	24.1	24.9	25.4	22.7	23.5	23.2	24.0	24.5
X = 8H Y = 4H	22.6	23.4	23.1	24.0	24.5	22.3	23.1	22.8	23.6	24.1
Y = 6H	23.3	24.0	23.8	24.6	25.1	22.8	23.5	23.3	24.0	24.6
Y = 8H	23.7	24.3	24.3	24.9	25.5	23.0	23.6	23.5	24.2	24.7
Y = 12H	24.1	24.7	24.7	25.3	25.9	23.1	23.7	23.7	24.3	24.9
X = 12H Y = 4H	22.6	23.4	23.1	23.9	24.4	22.3	23.1	22.8	23.6	24.1
Y = 6H	23.3	24.0	23.9	24.5	25.1	22.8	23.5	23.4	24.0	24.6
Y = 8H	23.8	24.3	24.4	24.9	25.5	23.1	23.6	23.7	24.2	24.8
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.4		-0.5			+0.7		-0.6		
S = 1.5H	+0.7		-1.0			+1.1		-1.2		
S = 2.0H	+1.4		-1.3			+1.6		-1.5		

Colour properties

Correlated Colour Temperature : 3000

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	97	94	92	90	89	88	86	80
2	90	85	81	83	79	76	79	76	73	68
3	80	74	69	74	69	65	70	66	63	58
4	71	64	59	66	61	56	63	58	55	50
5	64	57	51	60	54	49	57	52	48	44
6	58	50	45	54	48	43	52	46	42	39
7	53	45	39	49	43	38	47	42	37	35
8	48	40	35	45	39	34	44	38	33	31
9	44	37	32	42	35	31	40	34	30	28
10	41	33	28	39	32	28	37	31	27	25

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	49	41	47	39	46	39	45	38	37	31
0.80	61	52	57	50	57	50	55	48	47	40
1.00	70	61	65	58	65	57	61	55	54	47
1.25	79	71	73	66	73	66	69	64	62	55
1.50	86	77	78	72	79	72	74	69	67	60
2.00	94	86	84	78	86	80	79	75	73	67
2.50	100	93	88	84	91	86	84	80	78	72
3.00	105	99	92	88	95	90	87	84	82	76
4.00	110	104	95	91	98	95	90	87	85	79
5.00	113	109	97	94	101	98	92	90	87	81

Available accessories

E7H301 Connector (1 per line), 5 or 7 pole, per piece

E4H1000 Line end piece, per piece

E4H111 Single mounting bracket for ceiling mounting

E4H112 Double mounting bracket for ceiling mounting

E4H121 Single mounting bracket for threaded rod

E4H122 Double mounting bracket for threaded rod

E4H131 Single mounting bracket for chain

E4H141 Single mounting bracket for steel wire

E4H142 Double mounting bracket for steel wire

E4H132 Double mounting bracket for chain

E4H103 Alignment bracket



