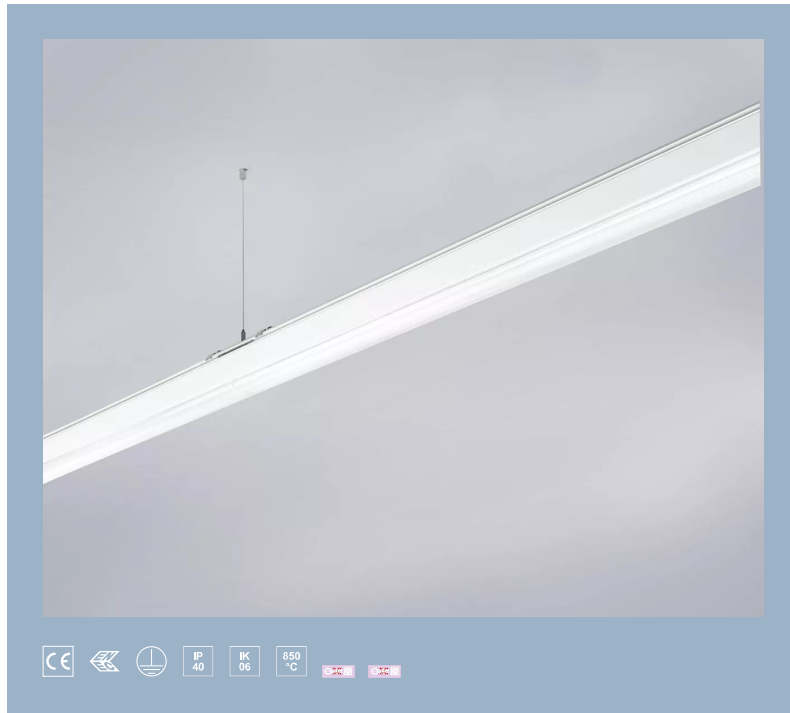


E4001/LED1N020S



industriële armatuur • langwerpig

Toepassing : Productievestigingen

behuizing: gelakt aluminium

lichtbron : led • 4000 K

optiek : DUAL?LENS • Polycarbonaat (PC) •
diepstralend

UGR classificatie : <=22

lichtstroom: 2400 lm

efficiëntie : 133 lm/W

LLMF: 97% @ 50khrs (Tq=25°C)

Product information

Mechanische eigenschappen

afmetingen : 1000 mm x 60 mm x 135 mm

kleur: RAL9016 - verkeerswit (structuurlak)

type : lijnmontage: tussenarmatuur

IP: IP40

IK: IK06

Elektrische uitrusting

driver: niet-dimbaar

opgenomen vermogen : 18 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 1
UNLIMITED

Luminantie

lichtstroom : 2400 lm

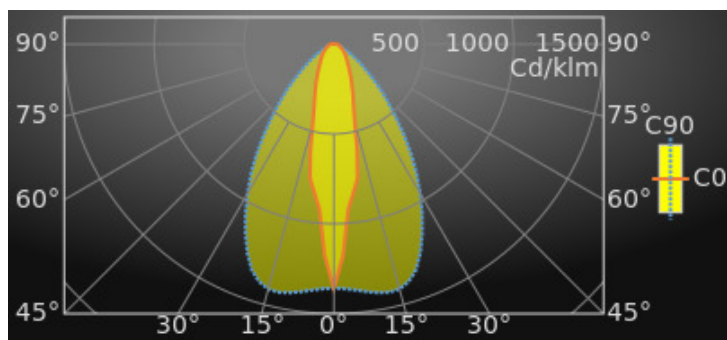
efficiëntie : 133 lm/W

UGR classificatie =: <=22

lichtgevende oppervlakte : 0.06 m²

Average Luminances (Cd/m²) for 2400lm

Gamma	C0	C30	C45	C60	C90
45°	3513	4019	5040	7526	21655
50°	3016	3373	4086	5817	15706
55°	2617	2872	3312	4454	11489
60°	2299	2501	2672	3456	8403
65°	2026	2197	2193	2792	6449
70°	1822	1928	1844	2341	5350
75°	1668	1695	1592	1962	5167
80°	1558	1495	1356	1584	4894
85°	1472	1306	1110	1254	4215



Classificaties

CIE: 710 / 894 / 961 / 989 / 1000

CIE FLUXCODE : 0.72 / 0.90 / 0.97 / 0.99 / 1.00

BZ: BZ1/0.8/BZ2

CAE: CAE 1/15°/CAE 2/25°/CAE 4/75°/CAE 3

DIN: A60 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.99

DIN_SU: Phi su = 0.72

UTE: 0.99 B + 0.01 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

Lichtsterkten in cd

Intensity for 2400lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	3259.8	3259.8	3259.8	90°	42.6	19.7	0.9
5°	2215.9	2613.5	3295.2	95°	34.7	12.1	0.0
10°	1821.9	1952.2	3369.4	100°	26.9	6.1	0.0
15°	1071.6	1625.1	3387.0	105°	19.3	2.1	0.0
20°	750.2	1102.3	3205.3	110°	12.2	0.5	0.0
25°	563.5	811.5	2790.1	115°	6.3	0.1	0.0
30°	420.7	624.0	2305.0	120°	2.0	0.0	0.0
35°	330.0	484.5	1799.8	125°	0.4	0.0	0.0
40°	270.0	374.3	1308.0	130°	0.1	0.0	0.0
45°	223.5	289.4	918.7	135°	0.0	0.0	0.0
50°	185.7	224.0	605.7	140°	0.0	0.0	0.0
55°	154.4	171.5	395.4	145°	0.0	0.0	0.0
60°	128.7	129.2	252.1	150°	0.0	0.0	0.0
65°	106.4	97.8	163.5	155°	0.0	0.0	0.0
70°	88.8	74.6	109.8	160°	0.0	0.0	0.0
75°	74.2	57.3	80.2	165°	0.0	0.0	0.0
80°	62.3	42.5	51.0	170°	0.0	0.0	0.0
85°	51.7	29.2	22.0	175°	0.0	0.0	0.0
90°	42.6	19.7	0.9	180°	0.0	0.0	0.0

UGR classificatie =

Corrected Glare Ratings for a Total Lamp Flux of 2400lm (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	13.1	14.6	13.4	14.8	15.1	19.0	20.4	19.3	20.7	20.9
Y = 3H	14.2	15.6	14.6	15.8	16.1	19.5	20.8	19.8	21.1	21.4
Y = 4H	14.8	16.0	15.2	16.3	16.7	19.8	21.0	20.1	21.3	21.6
Y = 6H	15.3	16.5	15.7	16.8	17.1	20.0	21.2	20.4	21.5	21.8
Y = 8H	15.6	16.7	16.0	17.0	17.4	20.1	21.2	20.5	21.5	21.9
Y = 12H	15.8	16.9	16.2	17.2	17.6	20.2	21.2	20.6	21.6	21.9
X = 4H Y = 2H	13.7	14.9	14.0	15.2	15.5	18.9	20.1	19.2	20.4	20.7
Y = 3H	15.0	16.0	15.4	16.4	16.7	19.5	20.5	19.9	20.9	21.3
Y = 4H	15.7	16.6	16.1	17.0	17.4	19.9	20.8	20.3	21.2	21.5
Y = 6H	16.4	17.2	16.8	17.6	18.0	20.2	21.0	20.7	21.5	21.9
Y = 8H	16.7	17.5	17.2	17.9	18.3	20.4	21.1	20.8	21.6	22.0
Y = 12H	17.1	17.8	17.5	18.2	18.7	20.5	21.2	20.9	21.6	22.1
X = 8H Y = 4H	15.9	16.7	16.3	17.1	17.5	19.8	20.6	20.3	21.0	21.5
Y = 6H	16.8	17.4	17.2	17.9	18.3	20.3	20.9	20.7	21.4	21.8
Y = 8H	17.2	17.8	17.7	18.3	18.8	20.5	21.0	20.9	21.5	22.0
Y = 12H	17.7	18.2	18.2	18.7	19.3	20.6	21.1	21.1	21.6	22.1
X = 12H Y = 4H	15.9	16.6	16.4	17.0	17.5	19.8	20.5	20.3	21.0	21.4
Y = 6H	16.8	17.4	17.3	17.9	18.4	20.3	20.8	20.8	21.3	21.8
Y = 8H	17.3	17.8	17.8	18.3	18.9	20.5	21.0	21.0	21.5	22.0
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.3		-0.3			+1.0		-0.9		
S = 1.5H	+0.4		-0.6			+2.6		-1.7		
S = 2.0H	+0.4		-0.9			+4.0		-2.4		

Kleureigenschappen

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

Rendement

Utilisation Factors according to IES (%)											Utilisation Factors according to LiTG (%)										
	Room Reflection Factors (%)											Room Reflection Factors (%)									
Ceiling	80	80	80	50	50	50	30	30	30	0	Ceiling	80	80	80	50	50	50	50	30	0	
Walls	50	30	10	50	30	10	50	30	10	0	Walls	50	30	50	30	50	30	50	30	0	
Floor	20	20	20	20	20	20	20	20	20	0	Floor	30	30	10	10	30	30	10	10	0	
RCR = 1	107	105	103	100	98	97	96	95	94	88	k = 0.60	65	58	62	56	63	57	61	56	50	
2	97	93	90	91	88	86	88	85	83	78	0.80	75	67	70	64	72	65	68	63	58	
3	88	83	79	83	79	76	81	77	75	71	1.00	82	75	76	71	78	72	74	70	64	
4	81	75	71	77	72	69	75	70	67	64	1.25	91	83	83	78	86	80	81	77	71	
5	75	68	64	71	66	62	69	65	61	58	1.50	96	89	87	82	90	85	84	81	75	
6	69	63	58	66	61	57	65	60	56	54	2.00	103	96	92	88	95	91	89	86	80	
7	64	58	53	62	56	52	61	56	52	50	2.50	107	102	95	91	99	95	92	89	83	
8	60	54	49	58	52	49	57	52	48	46	3.00	111	106	97	95	103	99	94	92	86	
9	57	50	46	55	49	45	54	49	45	43	4.00	115	110	99	97	105	102	96	94	88	
10	53	47	43	52	46	42	51	46	42	40	5.00	118	114	101	99	107	105	98	96	90	

Accessoires

- E7H301 Aansluitstekker, 5- of 7-polig, per stuk
- E4H1000 Lijneindstuk, per stuk
- E4H111 Enkelvoudige ophangbeugel voor plafondmontage
- E4H112 Dubbele ophangbeugel voor plafondmontage
- E4H121 Enkelvoudige ophangbeugel voor draadstang
- E4H122 Dubbele ophangbeugel voor draadstang
- E4H131 Enkelvoudige ophangbeugel voor ketting
- E4H141 Enkele ophangbeugel voor staaldraad
- E4H142 Dubbele ophangbeugel voor staaldraad
- E4H132 Dubbelvoudige ophangbeugel voor ketting
- E4H103 Uitlijnbeugel



