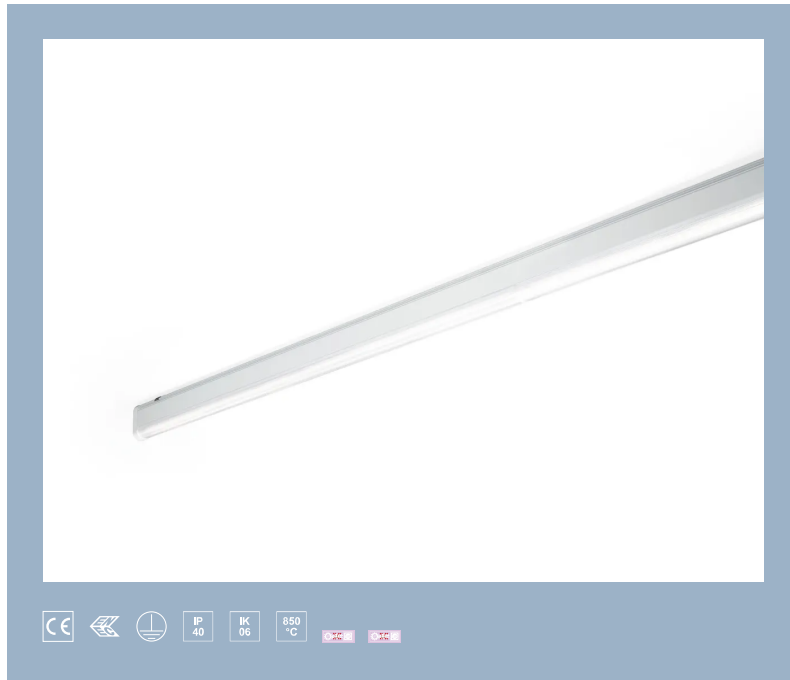


E4215/LED4N120S



industriarmatur • rektangulär

installation : Industri ? Produktionsområde, Industri ? Lagerlokal

armaturhus: lackerat aluminium

ljuskälla : LED • 4000 K

Optik : DUAL?LENS • Polykarbonat (PC) • bredstrålände

UGR klassificering : <=25

ljusutbyte: 13350 lm

ljusutbyte : 135 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Armatur data

dimensioner : 4000 mm x 60 mm x 135 mm

kulör: RAL9016 - trafik vit

typ : rampontage: mellanliggande armatur

IP: IP40

IK: IK06

Elektrisk data

drivenhet: ej dimbar

effekt : 99 W

spänning : 220-240V

frekvens : 50-60Hz AC

fotobiologisk säkerhet : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

ljusflöde : 13350 lm

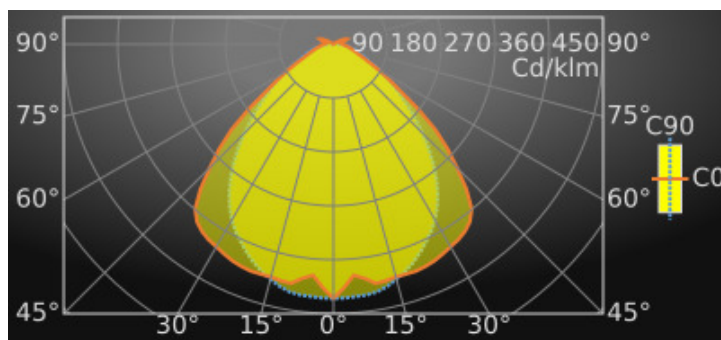
ljusutbyte : 135 lm/W

UGR klassificering =: <=25

lysande yta : 0.12 m²

Average Luminances (Cd/m²) for 13350lm

Gamma	C0	C30	C45	C60	C90
45°	30588	33675	35530	33074	33079
50°	24099	26079	28677	29580	28233
55°	15477	17505	19935	23070	24129
60°	10710	11883	13105	15323	20255
65°	7208	7728	8245	9889	16655
70°	5552	5503	5016	6104	15927
75°	4691	4342	3394	3617	15853
80°	4044	3620	2425	2238	15833
85°	3477	2937	1656	1236	12483



Klassifisering

CIE: 569 / 880 / 960 / 983 / 1000

CIE FLUXCODE : 0.58 / 0.90 / 0.98 / 0.98 / 1.00

BZ: BZ3

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.98

DIN_SU: Phi su = 0.63

UTE: 0.98 D + 0.02 T

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	100	2
20	99	4
30	99	6
40	99	8
50	99	10
60	98	12

Ljusstyrka i cd

Intensity for 13350lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	5668.9	5668.9	5668.9	90°	198.2	52.5	4.5
5°	5171.5	5311.1	5648.8	95°	163.8	24.6	0.0
10°	5411.0	5462.9	5609.8	100°	184.8	8.9	0.0
15°	5368.6	5379.8	5425.0	105°	238.4	5.6	0.0
20°	5382.0	5140.3	5182.7	110°	318.2	10.0	0.0
25°	5328.4	5023.1	4870.7	115°	233.9	20.1	0.0
30°	5214.5	4879.6	4526.8	120°	88.8	9.5	0.0
35°	5101.8	4669.7	4048.9	125°	11.7	2.8	0.0
40°	4789.1	4414.6	3451.0	130°	1.1	0.6	0.0
45°	3893.2	4080.7	2806.8	135°	0.6	0.0	0.0
50°	2966.5	3144.0	2177.7	140°	0.0	0.0	0.0
55°	1826.0	2064.9	1660.8	145°	0.0	0.0	0.0
60°	1199.1	1267.8	1215.3	150°	0.0	0.0	0.0
65°	757.5	735.2	844.6	155°	0.0	0.0	0.0
70°	540.9	405.8	653.7	160°	0.0	0.0	0.0
75°	417.6	244.5	492.4	165°	0.0	0.0	0.0
80°	323.2	151.8	329.9	170°	0.0	0.0	0.0
85°	244.2	87.3	130.6	175°	0.0	0.0	0.0
90°	198.2	52.5	4.5	180°	0.0	0.0	0.0

UGR klassificering =

Corrected Glare Ratings for a Total Lamp Flux of 13350lm (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	22.4	24.0	22.7	24.3	24.6	22.6	24.3	23.0	24.6	24.9
Y = 3H	22.5	24.1	22.9	24.4	24.7	23.2	24.7	23.6	25.0	25.3
Y = 4H	22.6	24.0	23.0	24.4	24.7	23.5	24.9	23.9	25.2	25.6
Y = 6H	22.7	24.0	23.1	24.4	24.7	23.8	25.1	24.2	25.4	25.8
Y = 8H	22.7	24.0	23.1	24.4	24.7	23.9	25.1	24.3	25.5	25.9
Y = 12H	22.8	24.0	23.2	24.4	24.7	23.9	25.1	24.3	25.5	25.9
X = 4H Y = 2H	22.5	23.9	22.9	24.2	24.6	22.7	24.1	23.1	24.5	24.8
Y = 3H	22.7	24.0	23.2	24.3	24.7	23.3	24.5	23.7	24.9	25.3
Y = 4H	22.9	24.0	23.3	24.4	24.8	23.6	24.7	24.1	25.1	25.5
Y = 6H	23.1	24.0	23.5	24.4	24.9	24.0	24.9	24.5	25.4	25.8
Y = 8H	23.2	24.0	23.6	24.5	24.9	24.2	25.0	24.6	25.5	25.9
Y = 12H	23.3	24.0	23.7	24.5	25.0	24.3	25.0	24.7	25.5	26.0
X = 8H Y = 4H	22.9	23.7	23.3	24.2	24.6	23.6	24.5	24.0	24.9	25.3
Y = 6H	23.1	23.9	23.6	24.3	24.8	24.0	24.7	24.5	25.2	25.7
Y = 8H	23.3	23.9	23.8	24.4	24.9	24.2	24.8	24.7	25.3	25.8
Y = 12H	23.4	24.0	24.0	24.5	25.0	24.3	24.8	24.8	25.3	25.9
X = 12H Y = 4H	22.9	23.6	23.3	24.1	24.6	23.6	24.4	24.0	24.8	25.3
Y = 6H	23.1	23.7	23.6	24.2	24.7	24.0	24.6	24.5	25.1	25.6
Y = 8H	23.3	23.8	23.8	24.3	24.9	24.2	24.7	24.7	25.2	25.7
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.8		-1.1			+0.5		-0.6		
S = 1.5H	+1.5		-2.4			+0.9		-1.3		
S = 2.0H	+2.7		-3.2			+1.5		-2.6		

Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

Verkningsgrad

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	93	89	85	87	84	81	84	81	79	74
3	83	77	73	78	73	70	75	71	68	64
4	74	68	63	70	65	61	68	63	59	56
5	67	60	54	64	58	53	61	56	52	49
6	61	53	48	58	51	47	56	50	46	43
7	55	48	42	53	46	42	51	45	41	39
8	51	43	38	49	42	37	47	41	37	35
9	47	39	34	45	38	34	44	38	34	31
10	43	36	31	42	35	31	40	35	30	29

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	52	44	50	43	50	43	48	42	41	35
0.80	65	56	61	54	61	54	58	52	52	45
1.00	73	65	68	61	69	62	66	60	59	53
1.25	83	75	76	70	78	71	74	68	67	62
1.50	90	82	81	76	84	78	78	74	73	67
2.00	98	90	87	82	90	85	84	80	79	73
2.50	104	97	92	87	95	91	88	85	83	78
3.00	108	103	95	91	99	95	92	89	87	82
4.00	113	108	98	95	103	99	94	92	90	85
5.00	116	112	100	97	105	102	96	94	92	88

Tillbehör

E7H301 *Anslutningsdon, 5- eller 7-polig, per enhet*

E4H1000 *Gavel*

E4H111 *Enkelfäste för takmontage*

E4H112 *Dubbelfäste för takmontage*

E4H121 *Enkelfäste till gängad stång*

E4H122 *Dubbelfäste till gängad stång*

E4H131 *Enkelfäste till kedja*

E4H141 *Enkelfäste till wire*

E4H142 *Dubbelfäste till wire*

E4H132 *Dubbelfäste till kedja*

E4H103 *Inriktningsfäste*

