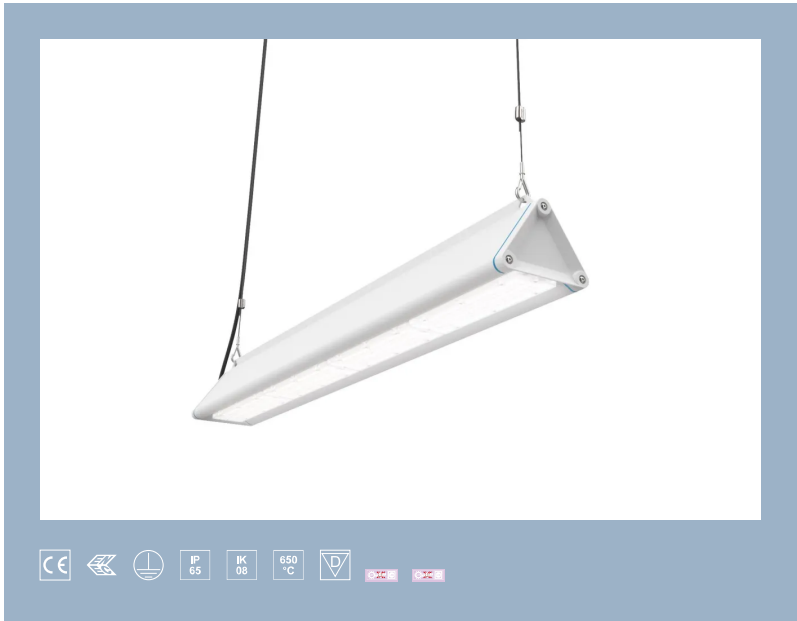


E806/4NMD



industrial luminaire • linear

Application : Industry ? Production area, Industry ? Warehouse, Industry ? Food industry

housing: lacquered aluminium

light source : LED • 4000 K

optics : multilens • polycarbonate (PC) • narrow-angle

UGR classification : <=19

luminous flux: 24000 lm

luminous efficacy : 178 lm/W

LLMF: 91% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 1325 mm x 180 mm x 165 mm

shape : individual linear, rectangular

colour: RAL9003 - white

type : individual luminaire

IP: IP65

IK: IK08

ambient temperature: -40°C - 55°C •

Electrical properties

driver: DALI dimmable

power : 135 W

voltage : 220-240V

frequency : 50/60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

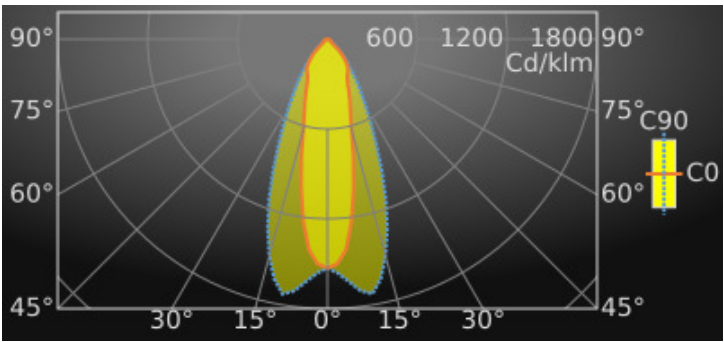
luminous flux : 24000 lm

luminous efficacy : 178 lm/W

UGR classification =: <=19

luminous area : 0.18 m²

Average Luminances (Cd/m²) for 24000lm					
Gamma	C0	C30	C45	C60	C90
45°	22545	8511	13287	16441	23171
50°	7434	5499	7949	11984	12855
55°	6180	5153	5743	9011	7988
60°	6799	5319	5767	7074	5753
65°	7553	5698	6132	6496	4960
70°	8098	5801	6050	6419	4686
75°	7397	5403	5584	5956	4256
80°	5430	3903	4257	4952	3288
85°	2697	2042	2205	2549	1915



Classifications

CIE: 883 / 967 / 994 / 1000 / 1000

CIE FLUXCODE : 0.88 / 0.97 / 0.99 / 1.00 / 1.00

BZ: BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.84

UTE: 1.00 A + 0.00 T



Lifetime Data (Tq=25.0°C)

Time(hrs)	LLMF(%)	Cx(%)
10000	98	1
20000	96	2
30000	94	3
40000	93	4
50000	91	5
60000	89	6
70000	88*	7
80000	86*	8
90000	85*	9
100000	83*	9

Luminous intensities in cd

Intensity for 24000lm

Gamma	C0	C45	C90
0°	36667.6	36667.6	36667.6
5°	33917.2	35958.4	38970.4
10°	24236.7	33840.3	41468.2
15°	14921.6	29319.2	35897.7
20°	10493.0	22489.6	27247.6
25°	7640.2	14118.9	18401.6
30°	6393.3	7436.8	12039.3
35°	5791.5	4236.4	8028.2
40°	4422.5	2747.5	5158.3
45°	2856.7	1683.7	2936.1
50°	856.3	915.7	1480.7
55°	635.2	590.3	821.0
60°	609.2	516.7	515.4
65°	572.0	464.4	375.6
70°	496.3	370.8	287.2
75°	343.1	259.0	197.4
80°	169.0	132.5	102.3
85°	42.1	34.4	29.9
90°	0.0	0.0	0.0

Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

UGR classification =

Corrected Glare Ratings for a Total Lamp Flux of 24000lm (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	16.5	17.7	16.7	17.9	18.1	18.0	19.2	18.3	19.4	19.7
Y = 3H	17.3	18.4	17.6	18.7	19.0	18.2	19.3	18.5	19.6	19.8
Y = 4H	17.8	18.8	18.1	19.1	19.4	18.3	19.3	18.6	19.6	19.9
Y = 6H	18.1	19.0	18.4	19.3	19.6	18.4	19.3	18.7	19.6	19.9
Y = 8H	18.1	19.0	18.5	19.3	19.6	18.4	19.2	18.7	19.6	19.9
Y = 12H	18.1	19.0	18.5	19.3	19.6	18.3	19.2	18.7	19.5	19.8
X = 4H Y = 2H	16.6	17.6	16.9	17.9	18.2	18.0	19.0	18.3	19.3	19.6
Y = 3H	17.6	18.5	18.0	18.8	19.1	18.4	19.3	18.8	19.6	19.9
Y = 4H	18.2	19.0	18.6	19.3	19.7	18.6	19.4	19.0	19.7	20.1
Y = 6H	18.6	19.3	19.0	19.6	20.0	18.8	19.4	19.2	19.8	20.2
Y = 8H	18.7	19.3	19.1	19.7	20.1	18.8	19.4	19.2	19.8	20.2
Y = 12H	18.7	19.2	19.1	19.7	20.1	18.8	19.3	19.2	19.7	20.2
X = 8H Y = 4H	18.3	18.9	18.8	19.3	19.8	18.7	19.3	19.1	19.7	20.1
Y = 6H	18.8	19.3	19.2	19.7	20.2	18.9	19.5	19.4	19.9	20.3
Y = 8H	18.9	19.3	19.3	19.8	20.2	19.0	19.4	19.4	19.9	20.4
Y = 12H	18.9	19.3	19.4	19.7	20.3	19.0	19.4	19.5	19.8	20.4
X = 12H Y = 4H	18.3	18.9	18.8	19.3	19.7	18.7	19.3	19.1	19.7	20.1
Y = 6H	18.8	19.2	19.2	19.7	20.1	18.9	19.4	19.4	19.8	20.3
Y = 8H	18.9	19.3	19.3	19.7	20.3	19.0	19.4	19.5	19.9	20.4
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+1.3		-1.3			+2.4		-1.9		
S = 1.5H	+2.9		-1.3			+4.6		-2.7		
S = 2.0H	+4.4		-1.5			+6.4		-3.2		

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	110	109	107	104	103	102	100	99	98	93
2	102	99	97	97	95	93	94	92	91	86
3	95	91	88	91	88	86	88	86	84	80
4	89	84	81	86	82	79	83	80	78	74
5	84	78	75	81	76	73	79	75	73	70
6	79	73	69	76	72	68	75	71	68	65
7	74	69	65	72	68	64	71	67	64	62
8	70	65	61	69	64	60	67	63	60	58
9	67	61	57	65	60	57	64	60	57	55
10	63	58	54	62	57	54	61	57	54	52

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	80	74	76	71	78	73	75	71	71	67
0.80	87	80	81	77	84	79	80	76	76	72
1.00	93	87	87	83	90	85	85	82	81	77
1.25	101	95	92	89	96	92	91	88	87	84
1.50	104	99	95	92	99	95	93	90	89	86
2.00	110	105	98	96	103	100	96	94	93	90
2.50	114	109	100	98	106	103	98	96	95	92
3.00	117	113	102	100	108	106	100	98	97	94
4.00	119	116	103	102	110	108	101	99	98	95
5.00	122	119	105	103	112	110	102	101	99	96

Available accessories

- E8H303-300 *Suspension set*
- E8H301-00 *Mounting brackets for surface mounted mounting*
- E8H302-06 *Two carabine hooks*
- E8H304-30 *Fixed wall mounting under 30° - Two brackets*

Dimensional drawing

