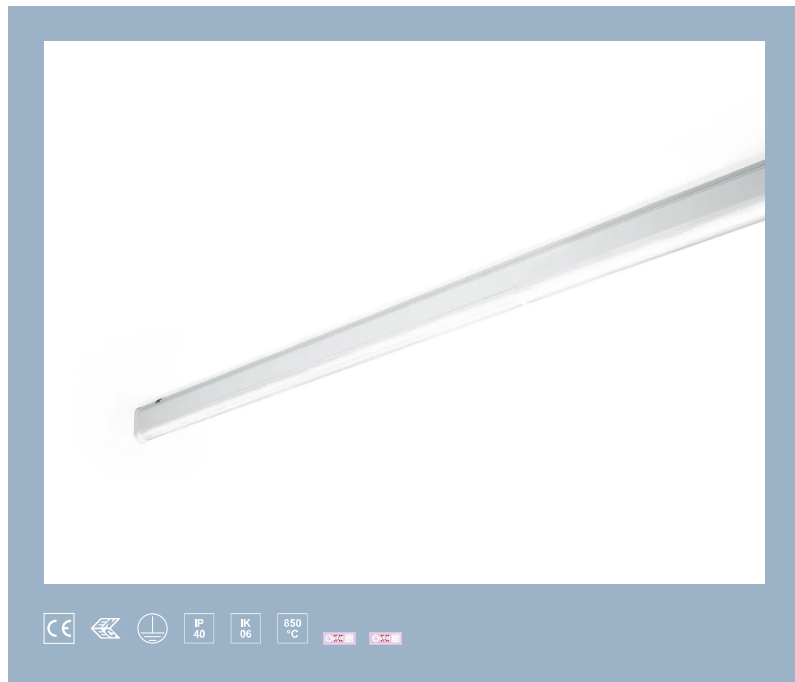# E4411/LED4N160S

industrial luminaire • linear

Application : Industry ? Production area, Industry ? Warehouse

housing: lacquered aluminium

light source : LED • 4000 K

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

luminous flux: 20100 lm

luminous efficacy : 139 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

Product information

Mechanical properties

dimensions : 4000 mm x 60 mm x 135 mm

colour: RAL9016 - traffic white

type : in-line mounting: intermediate luminaire
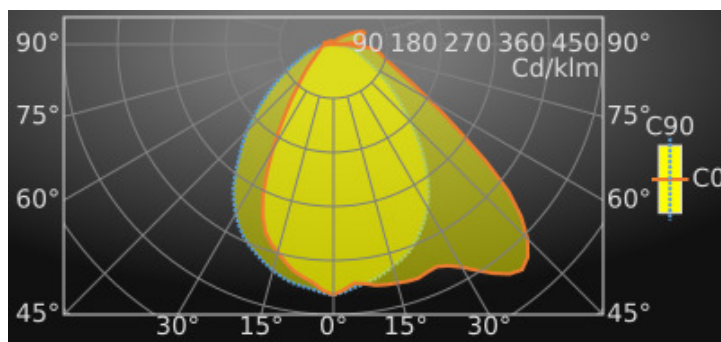
IP: IP40

IK: IK06

Electrical properties

driver: not dimmable

power : 145 W

voltage : 220-240V

frequency : 50-60Hz AC

photobiological safety : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

luminous flux : 20100 lm

luminous efficacy : 139 lm/W

ETAP tomorrow's light

Luminous intensities in cd

Intensity for 20100lm

Gamma	C0	C45	C90	C135	C180	Gamma	C0	C45	C90	C135	C180
0°	8388.9	8388.9	8388.9	8388.9	8388.9	90°	0.0	0.0	0.0	0.0	0.0
5°	8028.2	7422.7	8162.5	7841.5	8001.0	95°	964.3	529.0	30.0	246.3	311.2
10°	8193.2	8074.7	7978.2	7461.8	7703.0	100°	969.7	398.2	33.2	198.3	265.2
15°	8271.5	7877.3	7692.1	7034.8	7204.7	105°	971.1	361.4	37.0	177.1	231.0
20°	8331.0	7528.0	7393.7	6711.0	6690.3	110°	1109.6	331.0	40.0	158.3	212.2
25°	8208.1	7247.2	6904.4	6245.5	5595.2	115°	1031.0	308.0	43.5	142.0	192.0
30°	8612.5	7225.6	6299.4	5298.8	4071.9	120°	766.3	275.0	45.6	126.4	176.0
35°	9359.7	7131.7	5508.2	4093.7	2794.4	125°	526.9	228.0	46.5	120.9	165.9
40°	9850.8	7133.8	4585.0	2819.8	1893.8	130°	380.2	189.2	48.1	119.0	159.0
45°	9200.5	6939.5	3625.6	2086.0	1382.9	135°	273.8	156.9	49.5	119.7	154.8
50°	7657.0	6063.7	2797.7	1426.8	1014.8	140°	202.4	129.7	50.0	118.8	147.6
55°	5272.1	4550.4	2128.1	1035.0	775.1	145°	157.8	109.2	52.1	111.1	136.2
60°	3703.9	3141.9	1581.7	814.2	639.9	150°	125.3	91.6	51.8	101.3	120.9
65°	2701.9	2143.0	1151.0	627.8	536.9	155°	102.7	80.9	52.8	90.0	105.5
70°	2143.6	1596.1	910.6	505.8	475.8	160°	85.8	72.5	53.5	80.6	89.5
75°	1771.8	1187.9	663.3	411.2	416.3	165°	73.0	63.2	53.5	70.0	77.9
80°	1549.8	911.1	411.2	333.3	356.1	170°	64.1	60.2	54.4	62.3	66.9
85°	1145.8	690.0	109.1	259.1	295.4	175°	59.3	55.5	54.2	58.1	60.4
90°	0.0	0.0	0.0	0.0	0.0	180°	55.5	55.5	55.5	55.5	55.5

Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

ETAP tomorrow's light

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*