

ISOLINE 1690MM 4K WD E3 8C

Item No: 0042530



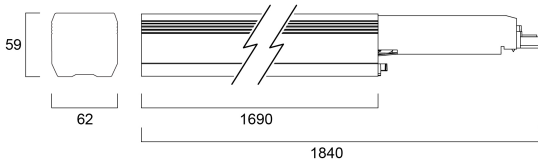
PRO



Isoline LED linear luminaire with 3hr integrated emergency function for industrial and commercial applications. 1690 mm length with wide optics provide homogeneous light distribution for open areas. Aluminium housing, RAL 9016. Max + 35 °C operating temperature range, 4000 K, CRI 80, UGR <25, 3 SDCM. 60 W power consumption, 8150 lm luminous flux, 136 lm/W efficacy, 1690 mm x 62 mm x 59 mm (L x W x H) dimensions, IP20, IK03, 220-240 V 50/60 Hz, Class I.Lifespan L70:B50 60,000 hours.

Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam angle [°]	Beam diameter [m]	Beam area [m²]	Illuminance [lx]
0.5	0.56	87.8°	0.56	0.98	1106
1.0	1.12	87.8°	1.12	3.92	276
1.5	1.68	87.8°	1.68	8.82	92
2.0	2.24	87.8°	2.24	15.68	51
2.5	2.80	87.8°	2.80	24.64	33
3.0	3.36	87.8°	3.36	35.84	23
3.5	3.92	87.8°	3.92	49.12	16
4.0	4.48	87.8°	4.48	64.51	12
4.5	5.04	87.8°	5.04	82.00	9
5.0	5.60	87.8°	5.60	100.68	7
5.5	6.16	87.8°	6.16	120.64	5
6.0	6.72	87.8°	6.72	141.88	4
6.5	7.28	87.8°	7.28	164.39	3
7.0	7.84	87.8°	7.84	188.16	2
7.5	8.40	87.8°	8.40	213.19	2
8.0	8.96	87.8°	8.96	239.48	2
8.5	9.52	87.8°	9.52	266.93	2
9.0	10.08	87.8°	10.08	295.54	2
9.5	10.64	87.8°	10.64	325.31	2
10.0	11.20	87.8°	11.20	356.24	2
10.5	11.76	87.8°	11.76	388.33	2
11.0	12.32	87.8°	12.32	421.58	2
11.5	12.88	87.8°	12.88	455.99	2
12.0	13.44	87.8°	13.44	491.56	2
12.5	14.00	87.8°	14.00	528.29	2
13.0	14.56	87.8°	14.56	566.18	2
13.5	15.12	87.8°	15.12	605.23	2
14.0	15.68	87.8°	15.68	645.44	2
14.5	16.24	87.8°	16.24	686.81	2
15.0	16.80	87.8°	16.80	729.34	2
15.5	17.36	87.8°	17.36	773.03	2
16.0	17.92	87.8°	17.92	817.88	2
16.5	18.48	87.8°	18.48	863.89	2
17.0	19.04	87.8°	19.04	911.06	2
17.5	19.60	87.8°	19.60	959.39	2
18.0	20.16	87.8°	20.16	1008.88	2
18.5	20.72	87.8°	20.72	1059.53	2
19.0	21.28	87.8°	21.28	1111.34	2
19.5	21.84	87.8°	21.84	1164.31	2
20.0	22.40	87.8°	22.40	1218.44	2
20.5	22.96	87.8°	22.96	1273.73	2
21.0	23.52	87.8°	23.52	1330.18	2
21.5	24.08	87.8°	24.08	1387.79	2
22.0	24.64	87.8°	24.64	1446.56	2
22.5	25.20	87.8°	25.20	1506.49	2
23.0	25.76	87.8°	25.76	1567.58	2
23.5	26.32	87.8°	26.32	1629.83	2
24.0	26.88	87.8°	26.88	1693.24	2
24.5	27.44	87.8°	27.44	1757.81	2
25.0	28.00	87.8°	28.00	1823.54	2
25.5	28.56	87.8°	28.56	1890.43	2
26.0	29.12	87.8°	29.12	1958.48	2
26.5	29.68	87.8°	29.68	2027.69	2
27.0	30.24	87.8°	30.24	2098.06	2
27.5	30.80	87.8°	30.80	2169.59	2
28.0	31.36	87.8°	31.36	2242.28	2
28.5	31.92	87.8°	31.92	2316.13	2
29.0	32.48	87.8°	32.48	2391.14	2
29.5	33.04	87.8°	33.04	2467.31	2
30.0	33.60	87.8°	33.60	2544.64	2
30.5	34.16	87.8°	34.16	2623.13	2
31.0	34.72	87.8°	34.72	2702.78	2
31.5	35.28	87.8°	35.28	2783.59	2
32.0	35.84	87.8°	35.84	2865.56	2
32.5	36.40	87.8°	36.40	2948.69	2
33.0	36.96	87.8°	36.96	3032.98	2
33.5	37.52	87.8°	37.52	3118.43	2
34.0	38.08	87.8°	38.08	3205.04	2
34.5	38.64	87.8°	38.64	3292.81	2
35.0	39.20	87.8°	39.20	3381.74	2
35.5	39.76	87.8°	39.76	3471.83	2
36.0	40.32	87.8°	40.32	3563.08	2
36.5	40.88	87.8°	40.88	3655.49	2
37.0	41.44	87.8°	41.44	3749.06	2
37.5	42.00	87.8°	42.00	3843.79	2
38.0	42.56	87.8°	42.56	3939.68	2
38.5	43.12	87.8°	43.12	4036.73	2
39.0	43.68	87.8°	43.68	4134.94	2
39.5	44.24	87.8°	44.24	4234.31	2
40.0	44.80	87.8°	44.80	4334.84	2
40.5	45.36	87.8°	45.36	4436.53	2
41.0	45.92	87.8°	45.92	4539.38	2
41.5	46.48	87.8°	46.48	4643.39	2
42.0	47.04	87.8°	47.04	4748.56	2
42.5	47.60	87.8°	47.60	4854.89	2
43.0	48.16	87.8°	48.16	4962.38	2
43.5	48.72	87.8°	48.72	5071.03	2
44.0	49.28	87.8°	49.28	5180.84	2
44.5	49.84	87.8°	49.84	5291.81	2
45.0	50.40	87.8°	50.40	5403.94	2
45.5	50.96	87.8°	50.96	5517.23	2
46.0	51.52	87.8°	51.52	5631.68	2
46.5	52.08	87.8°	52.08	5747.29	2
47.0	52.64	87.8°	52.64	5864.06	2
47.5	53.20	87.8°	53.20	5981.99	2
48.0	53.76	87.8°	53.76	6101.08	2
48.5	54.32	87.8°	54.32	6221.33	2
49.0	54.88	87.8°	54.88	6342.74	2
49.5	55.44	87.8°	55.44	6465.31	2
50.0	56.00	87.8°	56.00	6589.04	2
50.5	56.56	87.8°	56.56	6713.93	2
51.0	57.12	87.8°	57.12	6840.08	2
51.5	57.68	87.8°	57.68	6967.49	2
52.0	58.24	87.8°	58.24	7096.16	2
52.5	58.80	87.8°	58.80	7226.09	2
53.0	59.36	87.8°	59.36	7357.28	2
53.5	59.92	87.8°	59.92	7489.73	2
54.0	60.48	87.8°	60.48	7623.44	2
54.5	61.04	87.8°	61.04	7758.41	2
55.0	61.60	87.8°	61.60	7894.64	2
55.5	62.16	87.8°	62.16	8032.13	2
56.0	62.72	87.8°	62.72	8170.88	2
56.5	63.28	87.8°	63.28	8310.89	2
57.0	63.84	87.8°	63.84	8452.16	2
57.5	64.40	87.8°	64.40	8594.69	2
58.0	64.96	87.8°	64.96	8738.48	2
58.5	65.52	87.8°	65.52	8883.53	2
59.0	66.08	87.8°	66.08	9029.84	2
59.5	66.64	87.8°	66.64	9177.41	2
60.0	67.20	87.8°	67.20	9326.24	2
60.5	67.76	87.8°	67.76	9476.33	2
61.0	68.32	87.8°	68.32	9627.68	2
61.5	68.88	87.8°	68.88	9780.29	2
62.0	69.44	87.8°	69.44	9934.16	2
62.5	70.00	87.8°	70.00	10089.29	2
63.0	70.56	87.8°	70.56	10245.68	2
63.5	71.12	87.8°	71.12	10403.33	2
64.0	71.68	87.8°	71.68	10562.24	2
64.5	72.24	87.8°	72.24	10722.41	2
65.0	72.80	87.8°	72.80	10883.84	2
65.5	73.36	87.8°	73.36	11046.53	2
66.0	73.92	87.8°	73.92	11210.48	2
66.5	74.48	87.8°	74.48	11375.69	2
67.0	75.04	87.8°	75.04	11542.16	2
67.5	75.60	87.8°	75.60	11709.89	2
68.0	76.16	87.8°	76.16	11878.88	2
68.5	76.72	87.8°	76.72	12049.13	2
69.0	77.28	87.8°	77.28	12220.64	2
69.5	77.84	87.8°	77.84	12393.41	2
70.0	78.40	87.8°	78.40	12567.44	2
70.5	78.96	87.8°	78.96	12742.73	2
71.0	79.52	87.8°	79.52	12919.28	2
71.5	80.08	87.8°	80.08	13097.09	2
72.0	80.64	87.8°	80.64	13276.16	2
72.5	81.20	87.8°	81.20	13456.49	2
73.0	81.76	87.8°	81.76	13637.98	2
73.5	82.32	87.8°	82.32	13820.73	2
74.0	82.88	87.8°	82.88	14004.74	2
74.5	83.44	87.8°	83.44	14190.01	2
75.0	84.00	87.8°	84.00	14376.54	2
75.5	84.56	87.8°	84.56	14564.33	2
76.0	85.12	87.8°	85.12	14753.38	2
76.5	85.68	87.8°	85.68	14943.69	2
77.0	86.24	87.8°	86.24	15135.26	2
77.5	86.80	87.8°	86.80	15328.09	2
78.0	87.36	87.8°	87.36	15522.18	2
78.5	87.92	87.8°	87.92	15717.53	2
79.0	88.48	87.8°	88.48	15914.14	2
79.5	89.04	87.8°	89.04	16112.01	2
80.0	89.60	87.8°	89.60	16311.14	2
80.5	90.16	87.8°	90.16	16511.53	2
81.0	90.72	87.8°	90.72	16713.18	2
81.5	91.28	87.8°	91.28	16916.09	2
82.0	91.84	87.8°	91.84	17120.26	2
82.5	92.40	87.8°	92.40	17325.69	2
83.0	92.96	87.8°	92.96	17532.38	2
83.5	93.52	87.8°	93.52	17740.33	2
84.0	94.08	87.8°	94.08	17949.54	2
84.5	94.64	87.8°	94.64	18160.01	2
85.0	95.20	87.8°	95.20	18371.74	2
85.5	95.76	87.8°	95.76	18584.73	2
86.0	96.32	87.8°	96.32	18798.98	2
86.5	96.88	87.8°	96.88	19014.49	2
87.0	97.44	87.8°	97.44	19231.26	2
87.5	98.00	87.8°	98.00	19449.29	2
88.0	98.56	87.8°	98.56	19668.58	2
88.5	99.12	87.8°	99.12	19889.13	2
89.0	99.68	87.8°	99.68	20110.94	2
89.5	100.24	87.8°	100.24	20333.99	2
90.0	100.80	87.8°	100.80	20558.28	2
90.5	101.36	87.8°	101.36	20783.81	2
91.0	101.92	87.8°	101.92	21010.58	2
91.5	102.48	87.8°	102.48	21238.59	2
92.0	103.04	87.8°	103.04	21467.84	2
92.5	103.60	87.8°	103.60	21698.33	2
93.0	104.16	87.8°	104.16	21929.98	2
93.5	104.72	87.8°	104.72	22162.79	2
94.0	105.28	87.8°	105.28	22396.76	2
94.5	105.84	87.8°	105.84	22631.81	2
95.0	106.40	87.8°	106.40	22868.18	2
95.5	106.96	87.8°	106.96	23105.89	2
96.0	107.52	87.8°	107.52	23344.88	2
96.5	108.08	87.8°	108.08	23585.13	2
97.0	108.64	87.8°	108.64	23826.64	2
97.5	109.20	87.8°	109.20	24069.41	2
98.0	109.76	87.8°	109.76	24313.44	2
98.5	110.32	87.8°	110.32	24558.73	2
99.0	110.88	87.8°	110.88	24805.28	2
99.5	111.44	87.8°	111.44	25053.09	2
100.0	112.00	87.8°	112.00	25302.16	2

ISOLINE 1690MM 4K WD E3 8C

Item No: 0042530



General data

Product name	ISOLINE 1690MM 4K WD E3 8C
Technology	LED
Cap/Base	N/A
Housing	Aluminium
Mount	Suspended
Fixture rating	Enclosed
General application	Logistics & Industry
Operating temperature range (°C)	0°C...+35°C
ETIM Class	EC000986
Warranty	5 years

Optical data

Useful luminous flux (Φuse)	8150
Fixture luminous flux (lm)	8150
Luminous flux (lm)	8150
Luminaire efficacy (lm/W)	136
Correlated colour temperature (k)	4000
Colour Code	840
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Beam Angle (°)	90
Glare control	< 25
Photobiological Risk Group	RG1
Luminous flux (emergency) (lm)	637
Emergency duration (h)	3

Electrical data

Total power consumption (W)	60
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	250
Inrush Current (A)	25
Inrush Duration (µs)	250
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	27
Max. products per 13A C Breaker	35
Max. products per 16A C Breaker	45
Max. products per 20A C Breaker	58
Max. products per 10A B Breaker	16
Max. products per 13A B Breaker	21
Max. products per 16A B Breaker	27
Max. products per 20A B Breaker	35
Connectable conductor cross section - Min (mm²)	0.5
Connectable conductor cross section - Max (mm²)	4

Lifetime data

Lifespan L70 B50	60000
Lifespan L80 B10	60000
Lifespan L90 B10	31500

ISOLINE 1690MM 4K WD E3 8C

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Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK03
IK rating of sensor	IK03
Diffuser finish	Transparent
Diffuser material	PMMA Acrylic
Nominal Product Length (mm)	1690
Nominal Product Width (mm)	62
Nominal Product Height (mm)	59
Weight (kg)	4.5

Packaging

Product EAN number	5410288425306
Packaging single length / height (cm)	185.0
Packaging single width (cm)	7.2
Packaging single depth (cm)	6.9
DUN14 (inner)	05410288425306
Units per outer package	1
Packaging outer length / height (cm)	185.0
Packaging outer width (cm)	7.2
Packaging outer depth (cm)	6.9

Safety data

Glow Wire Test (°C)	650
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