

ISOLINE 1690MM 4K WD DA 8C

Item No: 0042521

SYLVANIA

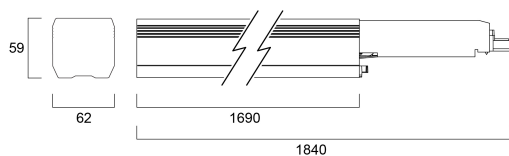
PROTM



Isoline LED linear DALI dimmable luminaire for industrial and commercial applications. 1690 mm length with wide optics provide homogeneous light distribution for open areas. Suitable for DALI Dimming. Aluminium housing, RAL 9016. Max + 35 °C operating temperature range, 4000 K, CRI 80, UGR <25, 3 SDCM. 56 W power consumption, 8150 lm luminous flux, 145 lm/W efficacy, 1690 mm x 62 mm x 59 mm (L x W x H) dimensions, IP20, IK03, DC 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 diameter [ft]	Beam diameter [in]	Illuminance [lx]
0.5	0.96	51.4°	0.96	3.15	39.9	14147
1.0	1.92	51.4°	1.92	6.30	79.8	3537
1.5	2.88	51.4°	2.88	9.45	119.7	1872
2.0	3.84	51.4°	3.84	12.60	159.6	1394
2.5	4.80	51.4°	4.80	15.75	199.5	1115
3.0	5.76	51.4°	5.76	18.90	239.4	894
3.5	6.72	51.4°	6.72	22.05	279.3	715
4.0	7.68	51.4°	7.68	25.20	319.2	596
4.5	8.64	51.4°	8.64	28.35	359.1	517
5.0	9.60	51.4°	9.60	31.50	399.0	458
5.5	10.56	51.4°	10.56	34.65	438.9	409
6.0	11.52	51.4°	11.52	37.80	478.8	369
6.5	12.48	51.4°	12.48	40.95	518.7	338
7.0	13.44	51.4°	13.44	44.10	558.6	313
7.5	14.40	51.4°	14.40	47.25	598.5	292
8.0	15.36	51.4°	15.36	50.40	638.4	274
8.5	16.32	51.4°	16.32	53.55	678.3	258
9.0	17.28	51.4°	17.28	56.70	718.2	244
9.5	18.24	51.4°	18.24	59.85	758.1	231
10.0	19.20	51.4°	19.20	63.00	798.0	219
10.5	20.16	51.4°	20.16	66.15	837.9	208
11.0	21.12	51.4°	21.12	69.30	877.8	198
11.5	22.08	51.4°	22.08	72.45	917.7	189
12.0	23.04	51.4°	23.04	75.60	957.6	181
12.5	24.00	51.4°	24.00	78.75	997.5	174
13.0	24.96	51.4°	24.96	81.90	1037.4	167
13.5	25.92	51.4°	25.92	85.05	1077.3	161
14.0	26.88	51.4°	26.88	88.20	1117.2	156
14.5	27.84	51.4°	27.84	91.35	1157.1	151
15.0	28.80	51.4°	28.80	94.50	1197.0	146
15.5	29.76	51.4°	29.76	97.65	1236.9	142
16.0	30.72	51.4°	30.72	100.80	1276.8	138
16.5	31.68	51.4°	31.68	103.95	1316.7	134
17.0	32.64	51.4°	32.64	107.10	1356.6	130
17.5	33.60	51.4°	33.60	110.25	1396.5	127
18.0	34.56	51.4°	34.56	113.40	1436.4	124
18.5	35.52	51.4°	35.52	116.55	1476.3	121
19.0	36.48	51.4°	36.48	119.70	1516.2	118
19.5	37.44	51.4°	37.44	122.85	1556.1	115
20.0	38.40	51.4°	38.40	126.00	1596.0	112
20.5	39.36	51.4°	39.36	129.15	1635.9	110
21.0	40.32	51.4°	40.32	132.30	1675.8	107
21.5	41.28	51.4°	41.28	135.45	1715.7	105
22.0	42.24	51.4°	42.24	138.60	1755.6	103
22.5	43.20	51.4°	43.20	141.75	1795.5	101
23.0	44.16	51.4°	44.16	144.90	1835.4	99
23.5	45.12	51.4°	45.12	148.05	1875.3	97
24.0	46.08	51.4°	46.08	151.20	1915.2	95
24.5	47.04	51.4°	47.04	154.35	1955.1	93
25.0	48.00	51.4°	48.00	157.50	1995.0	91
25.5	48.96	51.4°	48.96	160.65	2034.9	89
26.0	49.92	51.4°	49.92	163.80	2074.8	87
26.5	50.88	51.4°	50.88	166.95	2114.7	85
27.0	51.84	51.4°	51.84	170.10	2154.6	83
27.5	52.80	51.4°	52.80	173.25	2194.5	81
28.0	53.76	51.4°	53.76	176.40	2234.4	79
28.5	54.72	51.4°	54.72	179.55	2274.3	77
29.0	55.68	51.4°	55.68	182.70	2314.2	75
29.5	56.64	51.4°	56.64	185.85	2354.1	73
30.0	57.60	51.4°	57.60	189.00	2394.0	71
30.5	58.56	51.4°	58.56	192.15	2433.9	69
31.0	59.52	51.4°	59.52	195.30	2473.8	67
31.5	60.48	51.4°	60.48	198.45	2513.7	65
32.0	61.44	51.4°	61.44	201.60	2553.6	63
32.5	62.40	51.4°	62.40	204.75	2593.5	61
33.0	63.36	51.4°	63.36	207.90	2633.4	59
33.5	64.32	51.4°	64.32	211.05	2673.3	57
34.0	65.28	51.4°	65.28	214.20	2713.2	55
34.5	66.24	51.4°	66.24	217.35	2753.1	53
35.0	67.20	51.4°	67.20	220.50	2793.0	51
35.5	68.16	51.4°	68.16	223.65	2832.9	49
36.0	69.12	51.4°	69.12	226.80	2872.8	47
36.5	70.08	51.4°	70.08	229.95	2912.7	45
37.0	71.04	51.4°	71.04	233.10	2952.6	43
37.5	72.00	51.4°	72.00	236.25	2992.5	41
38.0	72.96	51.4°	72.96	239.40	3032.4	39
38.5	73.92	51.4°	73.92	242.55	3072.3	37
39.0	74.88	51.4°	74.88	245.70	3112.2	35
39.5	75.84	51.4°	75.84	248.85	3152.1	33
40.0	76.80	51.4°	76.80	252.00	3192.0	31
40.5	77.76	51.4°	77.76	255.15	3231.9	29
41.0	78.72	51.4°	78.72	258.30	3271.8	27
41.5	79.68	51.4°	79.68	261.45	3311.7	25
42.0	80.64	51.4°	80.64	264.60	3351.6	23
42.5	81.60	51.4°	81.60	267.75	3391.5	21
43.0	82.56	51.4°	82.56	270.90	3431.4	19
43.5	83.52	51.4°	83.52	274.05	3471.3	17
44.0	84.48	51.4°	84.48	277.20	3511.2	15
44.5	85.44	51.4°	85.44	280.35	3551.1	13
45.0	86.40	51.4°	86.40	283.50	3591.0	11
45.5	87.36	51.4°	87.36	286.65	3630.9	9
46.0	88.32	51.4°	88.32	289.80	3670.8	7
46.5	89.28	51.4°	89.28	292.95	3710.7	5
47.0	90.24	51.4°	90.24	296.10	3750.6	3
47.5	91.20	51.4°	91.20	299.25	3790.5	1
48.0	92.16	51.4°	92.16	302.40	3830.4	0
48.5	93.12	51.4°	93.12	305.55	3870.3	0
49.0	94.08	51.4°	94.08	308.70	3910.2	0
49.5	95.04	51.4°	95.04	311.85	3950.1	0
50.0	96.00	51.4°	96.00	315.00	3990.0	0
50.5	96.96	51.4°	96.96	318.15	4029.9	0
51.0	97.92	51.4°	97.92	321.30	4069.8	0
51.5	98.88	51.4°	98.88	324.45	4109.7	0
52.0	99.84	51.4°	99.84	327.60	4149.6	0
52.5	100.80	51.4°	100.80	330.75	4189.5	0
53.0	101.76	51.4°	101.76	333.90	4229.4	0
53.5	102.72	51.4°	102.72	337.05	4269.3	0
54.0	103.68	51.4°	103.68	340.20	4309.2	0
54.5	104.64	51.4°	104.64	343.35	4349.1	0
55.0	105.60	51.4°	105.60	346.50	4389.0	0
55.5	106.56	51.4°	106.56	349.65	4428.9	0
56.0	107.52	51.4°	107.52	352.80	4468.8	0
56.5	108.48	51.4°	108.48	355.95	4508.7	0
57.0	109.44	51.4°	109.44	359.10	4548.6	0
57.5	110.40	51.4°	110.40	362.25	4588.5	0
58.0	111.36	51.4°	111.36	365.40	4628.4	0
58.5	112.32	51.4°	112.32	368.55	4668.3	0
59.0	113.28	51.4°	113.28	371.70	4708.2	0
59.5	114.24	51.4°	114.24	374.85	4748.1	0
60.0	115.20	51.4°	115.20	378.00	4788.0	0
60.5	116.16	51.4°	116.16	381.15	4827.9	0
61.0	117.12	51.4°	117.12	384.30	4867.8	0
61.5	118.08	51.4°	118.08	387.45	4907.7	0
62.0	119.04	51.4°	119.04	390.60	4947.6	0
62.5	120.00	51.4°	120.00	393.75	4987.5	0
63.0	120.96	51.4°	120.96	396.90	5027.4	0
63.5	121.92	51.4°	121.92	399.15	5067.3	0
64.0	122.88	51.4°	122.88	402.30	5107.2	0
64.5	123.84	51.4°	123.84	405.45	5147.1	0
65.0	124.80	51.4°	124.80	408.60	5187.0	0
65.5	125.76	51.4°	125.76	411.75	5226.9	0
66.0	126.72	51.4°	126.72	414.90	5266.8	0
66.5	127.68	51.4°	127.68	418.05	5306.7	0
67.0	128.64	51.4°	128.64	421.20	5346.6	0
67.5	129.60	51.4°	129.60	424.35	5386.5	0
68.0	130.56	51.4°	130.56	427.50	5426.4	0
68.5	131.52	51.4°	131.52	430.65	5466.3	0
69.0	132.48	51.4°	132.48	433.80	5506.2	0
69.5	133.44	51.4°	133.44	436.95	5546.1	0
70.0	134.40	51.4°	134.40	440.10	5586.0	0
70.5	135.36	51.4°	135.36	443.25	5625.9	0
71.0	136.32	51.4°	136.32	446.40	5665.8	0
71.5	137.28	51.4°	137.28	449.55	5705.7	0
72.0	138.24	51.4°	138.24	452.70	5745.6	0
72.5	139.20	51.4°	139.20	455.85	5785.5	0
73.0	140.16	51.4°	140.16	459.00	5825.4	0
73.5	141.12	51.4°	141.12	462.15	5865.3	0
74.0	142.08	51.4°	142.08	465.30	5905.2	0
74.5	143.04	51.4°	143.04	468.45	5945.1	0
75.0	144.00	51.4°	144.00	471.60	5985.0	0
75.5	144.96	51.4°	144.96	474.75	6024.9	0
76.0	145.92	51.4°	145.92	477.90	6064.8	0
76.5	146.88	51.4°	146.88	481.05	6104.7	0
77.0	147.84	51.4°	147.84	484.20	6144.6	0
77.5	148.80	51.4°	148.80	487.35	6184.5	0
78.0	149.76	51.4°	149.76	490.50	6224.4	0
78.5	150.72	51.4°	150.72	493.65	6264.3	0
79.0	151.68	51.4°	151.68	496.80	6304.2	0
79.5	152.64	51.4°	152.64	499.95	6344.1	0
80.0	153.60	51.4°	153.60	503.10	6384.0	0
80.5	154.56	51.4°	154.56	506.25	6423.9	0
81.0	155.52	51.4°	155.52	509.40	6463.8	0
81.5	156.48	51.4°	156.48	512.55	6503.7	0
82.0	157.44	51.4°	157.44	515.70	6543.6	0
82.5	158.40	51.4°	158.40	518.85	6583.5	0
83.0	159.36	51.4°	159.36	522.00	6623.4	0
83.5	160.32	51.4°	160.32	525.15	6663.3	0
84.0	161.28	51.4°	161.28	528.30	6703.2	0
84.5	162.24	51.4°	162.24	531.45	6743.1	0
85.0	163.20	51.4°	163.20	534.60	6783.0	0
85.5	164.16	51.4°	164.16	537.75	6822.9	0

ISOLINE 1690MM 4K WD DA 8C

Item No: 0042521

SYLVANIA

General data

Product name	ISOLINE 1690MM 4K WD DA 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

Fixture luminous flux (lm)	8150
Luminaire efficacy (lm/W)	145
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

Electrical data

Total power consumption (W)	56
Primary Supply/Product voltage - min (V)	198.0
Primary Supply/Product voltage - max (V)	264.0
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	5.5
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	DALI-2
Minimum dimming level (%)	1
Drive current (mA)	250
Inrush Current (A)	28
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 B Breaker	14
Max. products per 16A B Breaker	23
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 DA 8C

Item No: 0042521



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)	3.5

Packaging

Product EAN number	5410288425214
Packaging single length / height (cm)	185.0
Packaging single width (cm)	7.2
Packaging single depth (cm)	6.9
DUN14 (inner)	05410288425214
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
---------------------	-----