

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

The Alcon Lighting 12172 Architectural LED Linear Track Light is designed for retail, commercial, and industrial environments requiring flexible, efficient illumination. Ideal for shops, supermarkets, motorcycle showrooms, garden centers, grocery checkout and produce areas, and trunking rail lighting systems, it delivers uniform lighting for merchandise display and general indoor applications. Its slim profile, tool-free installation, and adjustable light output make it a practical solution for architects and lighting designers seeking adaptable, low-maintenance lighting in dynamic commercial spaces.

FEATURES

Construction: Lightweight, ultra-thin, and intuitive design built for high-efficiency performance

Lens: Frosted flat

Mounting: Most standard 3-wire track rails (Halo recommended) and Suspension Kit (provided by others)

Finish: White

Color Temperature: 30/40/50K selectable switch

Wattage: 35/40/45/50W selectable switch

Beam Angle: 120°

Lumens: Up to 8500 lm

Efficacy: Up to 170 lm/W

Voltage: 100–277V AC

Driver Output: 30–36V DC (Non-Dimmable)

Operating Temperature: –13°F to 122°F

Total Harmonic Distortion: ≤ 20%

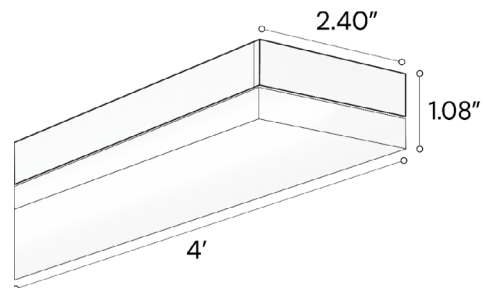
Power Factor: >0.9

CRI: 80+

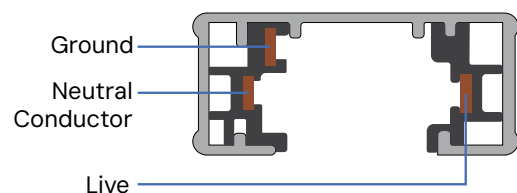
Life: 50,000 Hours

Warranty: 5 years Carefree for parts & components
(Labor not included)

Listings: ETL listed



Track Rail Recommended
Standard-3 wires / 1 phase

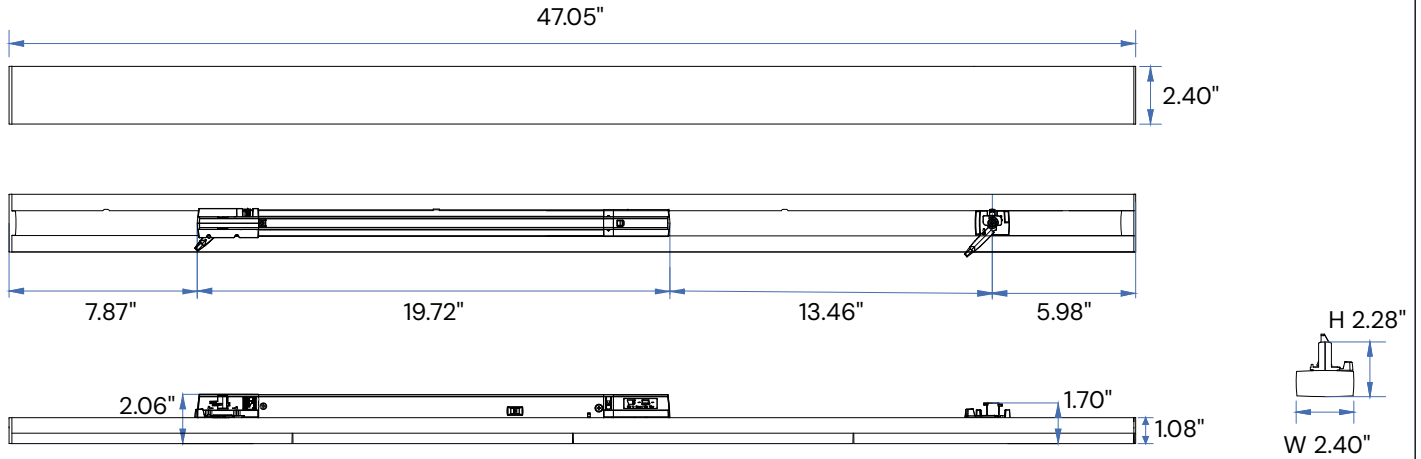


ORDERING INFORMATION Example:

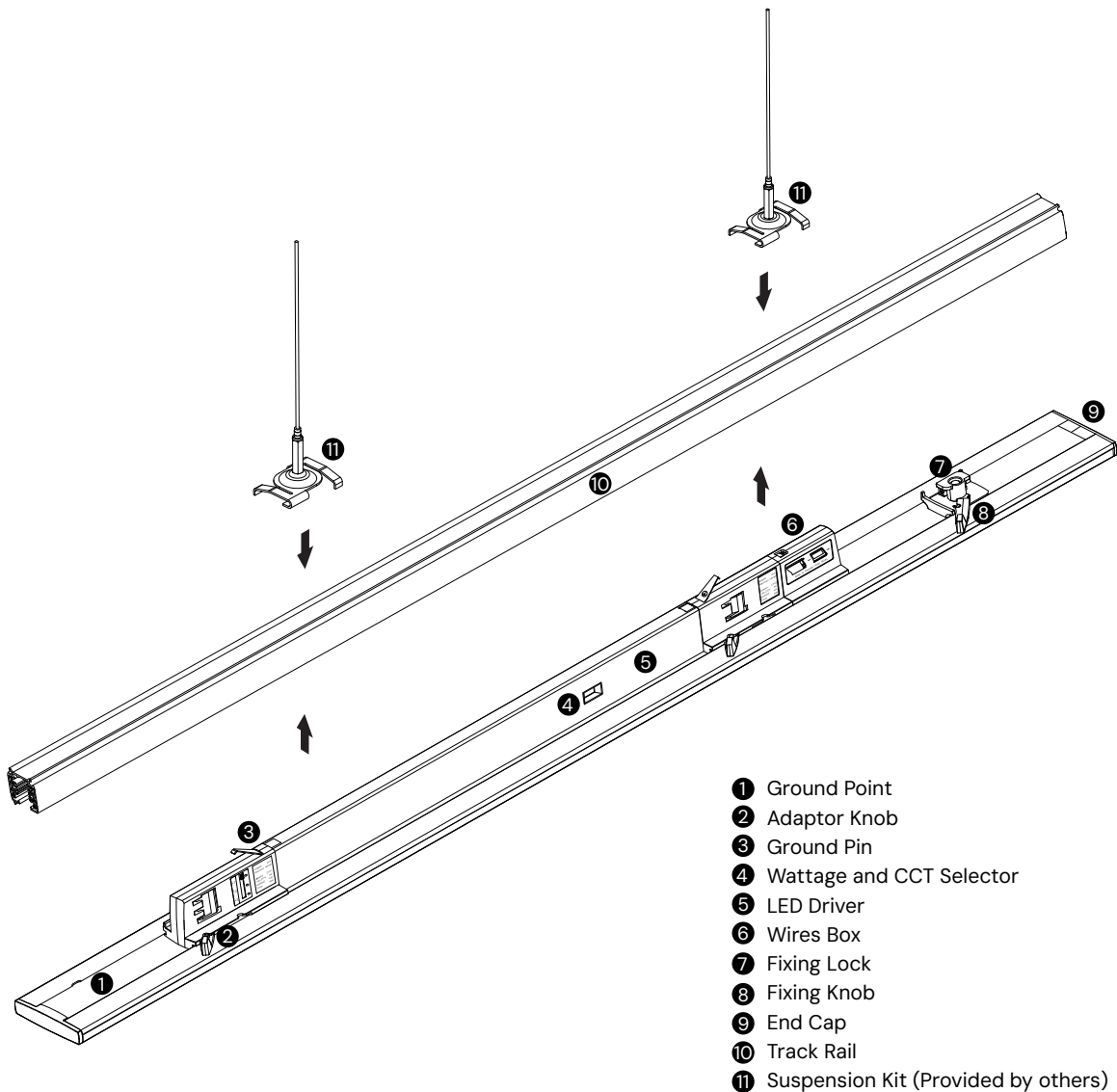
Model

12172

LINE DRAWINGS & DIMENSIONS

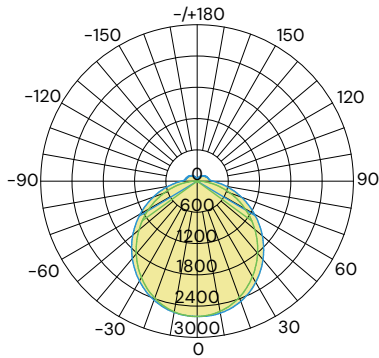


PRODUCT STRUCTURE



PHOTOMETRY

12172 / 50W / 4000K



AVERAGE BEAM ANGLE (50%): 113.2°

Lumens: 8556.15 lm
Watts: 50 W
LPW: 167.39 Lm/W
CCT: 4000K

UNIT:cd
— C0/180, 118.2°
— C90/270, 108.1°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	2572	2555	2537	2548	2558
20	2454	2416	2371	2409	2428
30	2246	2188	2119	2190	2214
40	1966	1895	1804	1906	1938
50	1635	1562	1448	1574	1614
60	1273	1202	1065	1205	1261
70	906.4	833.2	676.1	827.6	900.4
80	564.3	485.2	308.5	473.6	560.6
90	303.8	214.9	17.2	209.2	302.4
100	229	160.5	14.13	161.2	229.1
110	210.3	149.1	9.166	148.8	210.8
120	188.4	124.8	9.489	131.3	188.8
130	160.3	95.38	11.25	110.1	161.8
140	129.9	72.11	12.8	87.07	130.7
150	96.19	48.63	14.14	62.86	96.7
160	60.68	32.76	15.39	38.58	61.01
170	28.1	20.17	16.39	19.59	27.98
180	17.62	16.59	17.04	17	17.67
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	φ total
0-10	245.9
10-20	950.3
20-30	2016
30-40	3298
40-50	4635
50-60	5867
60-70	6860
70-80	7533
80-90	7874
90-100	8047
100-110	8195
110-120	8319
120-130	8416
130-140	8483
140-150	8525
150-160	8546
160-170	8554
170-180	8556
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	66498	22468
80	45457	24542
75	39500	26079
70	37073	27312
65	36024	28444
60	35606	29431
55	35513	30314
50	35573	31123
45	35710	31841

PRODUCT FAMILY ACCESSORIES

- [13000-TC](#) Track Channel
- [13000-LC](#) Linear Connector
- [13000-OA](#) Outlet Adapter
- [13000-SC](#) Slope Ceiling Track Adapter
- [13000-TB](#) T-Bar End Feed
- [13000-FC](#) Floating Canopy Connector
- [13000-EC](#) End Cap
- [13000-LV](#) Live End with Canopy
- [13000-LE](#) Live End
- [13000-L](#) L-Connector
- [13000-T](#) T-Connector
- [13000-X](#) X-Connector
- [13000-MC](#) Mini Connector
- [13000-CP](#) Cord and Plug Connector
- [13000-PA](#) Pendant Adapter
- [13000-CC](#) Conduit Connector
- [13000-CK](#) Conduit Continuation Kit

COLOR TEMPERATURE GUIDE

2700K	3000K	3500K	4000K	5000K
WARM WHITE	SOFT WHITE GLOW	NEUTRAL GLOW	COOL WHITE GLOW	DAYLIGHT GLOW
friendly personal intimate	soft warm pleasing	sociable inviting non-threatening	neat clean efficient	bright cool alert
HOMES LIBRARIES RESTAURANTS	HOMES HOTEL ROOMS LOBBIES RETAIL STORES	EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS	OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS	GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS
X	✓	X	✓	✓