

Connect Tiaa 15 x 90° Linear Cove AC Linear Light System High Performance ELV Interior LED Cove



General Information

Mains 100 to 277 V AC Input Plug and Play linear system.
Module lengths 305mm, 1219mm
Single Colour White 2200k, 2700k, 3000k, 3500k, 4000k
Red, Green, Blue, Amber
CR I>80
15 x 90° +25° Tilt Beam angle
Interior IP40
Tiltable

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Output	Condition
Beam Angle (frosted)	15 x 90°
Beam Angle (optional)	See additional Tiaa specification
Lumens* 2700K CCT (80CRI)	1,380 lm/m
Lumens* 3000K CCT (80CRI)	1,425 lm/m
Lumens* 3500K CCT (80CRI)	1,450 lm/m
Lumens* 4000K CCT (80CRI)	1,500 lm/m
Lumens* Red (624-634nm)	380 lm/m
Lumens* Green (520-540nm)	1,450 lm/m
Lumens* Royal Blue (440-460nm)	585 lm/m
Lumens* PC Amber	1,300 l/mm
Efficacy Mono Typ (native, lm/W)	120 lm/W Typ (Avg)
Beam Angle (frosted)	15 x 90°
Beam Angle (optional)	See additional Tiaa specification
Lumens* 2700K CCT (80CRI)	1,380 lm/m

Electrical	Condition
Input Voltage	100 to 220VAC, auto-ranging, 50/60Hz
Power Consumption	12w Typ, 13.12w/m
Power Factor	0.99 @ 120VAC, 0.90 @ 277VAC
Surge	4kV maximum common (Gnd to L, Gnd to N)

Control	Condition
Luminaire	ELV (100-1%)
Control System	Provided by Others
Interface	Provided by Others
Remote Monitoring & Management	Provided by Others

***Calculated Values:**

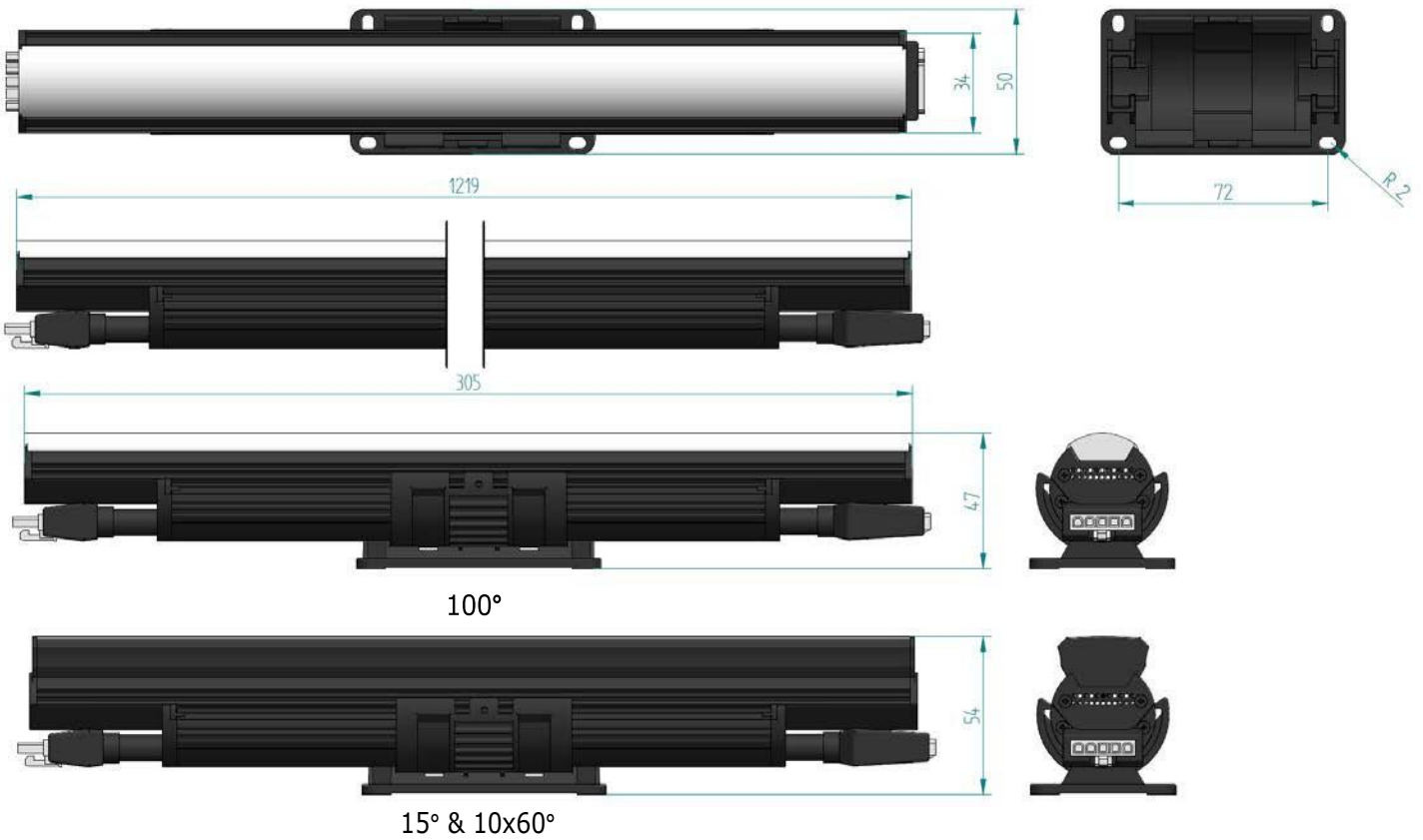
The luminous flux, radiant power, chromaticity, forward voltage and CRI measurements in this document are calculated specifications only. Actual results will vary within tolerance of +/- 5%

Physical	Condition
Dimensions (Height x Width x Length)	32 x 49 x 305/1219mm (1.2 x 1.9 x 12/48 inch)
Weight	0.25 kg (0.55 lb) 305mm, 0.85 kg (1.88 lb) 1219mm
Housing Material	Extruded aluminum, black powder-coated finish
Lens	Optically clear polycarbonate
Connections	Integral male/female quick connectors

Environment	Condition
Temperature Ranges	-40 to 50° C (-40 to 122° F) Operating
	-20 to 50° C (-4 to 122° F) Startup
	-40 to 80° C (-40 to 176° F) Storage
Vibration Resistance	N/A
Impact (Mechanical)	N/A
Corrosion Resistance	N/A
Humidity	0 to 95%, non-condensing

Certification & Safety	Condition
Approbation	ETL, CE
Environment	Dry/Damp Location, IP40

Dimensions



Photometrics

17x35° Clear, 1219mm

Photometric Data	Condition
Beam Angle	16.7 x 90.3°
LED	4000K
Lumens (lm)	1504lm
Input Power (W)	12W
Efficacy (lm/W)	125lm/W
Peak Candela (Cd)	2123Cd

Zone	Lumens	% Luminaire
0-30	940.2	43.6
0-40	1,343.0	62.3
0-60	1,913.9	88.7
60-90	183.4	8.5
70-100	78.5	3.6
90-120	24.8	1.1
0-90	2,097.2	97.2
90-180	60.1	2.8
0-180	2,157.3	100

Center Beam (fc/lx)		Beam Width (cm)
1m	197.25 / 2123.19	100.8
2m	49.31 / 530.80	201.6
3m	21.92 / 235.91	302.4
4m	12.33 / 132.70	403.2
5m	7.89 / 84.93	504.0

Luminaire and Accessories

Luminaire	Item Code
305mm Indoor 2700K 15x90°Linear Cove (ELV)	M11-00000682-0001-002
1219mm Indoor 2700K 15x90°Linear Cove (ELV)	M11-00000681-0001-002
305mm Indoor 3000K 15x90°Linear Cove (ELV)	M11-00000682-0001-001
1219mm Indoor 3000K 15x90°Linear Cove (ELV)	M11-00000681-0001-001
305mm Indoor 3500K 15x90°Linear Cove (ELV)	M11-00000682-0001-003
1219mm Indoor 3500K 15x90°Linear Cove (ELV)	M11-00000681-0001-003
305mm Indoor 4000K 15x90°Linear Cove (ELV)	M11-00000682-0001-004
1219mm Indoor 4000K 15x90°Linear Cove (ELV)	M11-00000681-0001-004

Luminaire	Item Code
305mm Indoor Red 15x90°Linear Cove (ELV)	M11-00000682-0001-005
1219mm Indoor Red 15x90°Linear Cove (ELV)	M11-00000681-0001-005
305mm Indoor Green 15x90°Linear Cove (ELV)	M11-00000682-0001-006
1219mm Indoor Green 15x90°Linear Cove (ELV)	M11-00000681-0001-006
305mm Indoor Royal Blue 15x90°Linear Cove (ELV)	M11-00000682-0001-007
1219mm Indoor Royal Blue 15x90°Linear Cove (ELV)	M11-00000681-0001-007
305mm Indoor PC Amber 15x90°Linear Cove (ELV)	M11-00000682-0001-008
1219mm Indoor PC Amber 15x90°Linear Cove (ELV)	M11-00000681-0001-008

Accessories	Item Code
3m Starter Cable + Cap	T16-00000025-0001
0.6m Jumper Cable	T16-00000327-0001