

Technical drawing of the CV-BA-130X15W-M12 LED lighting fixture, showing three views: Top View, Side View, and Front View.

Top View: Shows the rectangular housing with dimensions 140mm (total length) and 130mm (Lighting Area). The LED array is 15mm (Lighting Area) wide and 17mm high. The cable length is 500mm. The cable label is 60mm long and 20mm high. The cable connector is M12 Male Connector.

Side View: Shows the housing with dimensions 22.5mm (height) and 110mm (length). The cable is 500mm long. The cable label is 60mm long and 20mm high. The cable connector is M12 Male Connector.

Front View: Shows the housing with dimensions 9mm (height) and 5.5mm (width). The cable is 500mm long. The cable label is 60mm long and 20mm high. The cable connector is M12 Male Connector.

Dimensions and Tolerances:

- Overall Length: 140mm
- Lighting Area Length: 130mm
- Lighting Area Width: 15mm
- Housing Height: 22.5mm
- Housing Width: 9mm
- Cable Length: 500mm
- Cable Label Length: 60mm
- Cable Label Height: 20mm
- Cable Connector: M12 Male Connector

Material and Finish:

- Housing: Aluminum (Aluminum Die Casting)
- LED Array: SMD LED
- Cable: PVC Cable
- Cable Label: PVC Label
- Cable Connector: M12 Male Connector

Notes:

1. LED Array
2. Housing
3. Cable
4. Cable Connector

Table 1: NOMINAL LENGTH

CLASS	L ≤ 10	10 < L ≤ 30	30 < L ≤ 100	100 < L ≤ 300	300 < L ≤ 1000	1000 < L ≤ 3000
H	±0.02	±0.05	±0.1	±0.2	±0.3	±0.4
K	±0.05	±0.1	±0.2	±0.4	±0.6	±0.8

Table 2: NOMINAL LENGTH ON SHORTER SIDE

CLASS	L ≤ 100	100 < L ≤ 300	300 < L ≤ 1000	1000 < L ≤ 3000
H	±0.2	±0.3	±0.4	±0.5
K	±0.4	±0.6	±0.8	±1.0

Table 3: M12 MALE CONNECTOR

REF DRAWING	Pin No	Assign	WIRE COLOR INSIDE
	1	+V	RED/BROWN
	2		
	3	-V	BLACK/BLUE
	4		

Table 4: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 5: CHAMFER TOLERANCE

CLASS	f	m

Table 6: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 7: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 8: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 9: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 10: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 11: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 12: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 13: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 14: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 15: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 16: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 17: STANDARD DIMENSION RANGE

CLASS	L < 0.2	0.2 ≤ L ≤ 0.5	0.5 < L ≤ 1	1 < L ≤ 3	3 < L ≤ 6	6 < L
f	IN DRW.	±0.1	±0.2	±0.5	±1.0	±1.0
m						

Table 18: STANDARD DIMENSION RANGE

CLASS	L
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