tivoli Covelum ID McAdam Ellipse for Tight Color Control Instructions

Contents

1 tivoli Covelum ID McAdam Ellipse for Tight Color Control
2 Layout Guide
3 Power Set Dimensions
4 Power Set Order Guide
5 Power Set Dimensions
6 Light Extension Set Order Guide
7 Specification
8 Photometrics (Based on 3500K / (1) Power Set @ (3) Modules)
9 Mounting Information
10 Replacement Parts
11 Recommended Dimmers
12 Specifications
13 FAQ
13.1 What is the warranty period for the Covelum ID product?
13.2 Can the Covelum ID be dimmed?
13.3 What is the maximum run length for the product?
14 Documents / Resources
14.1 References
15 Related Posts

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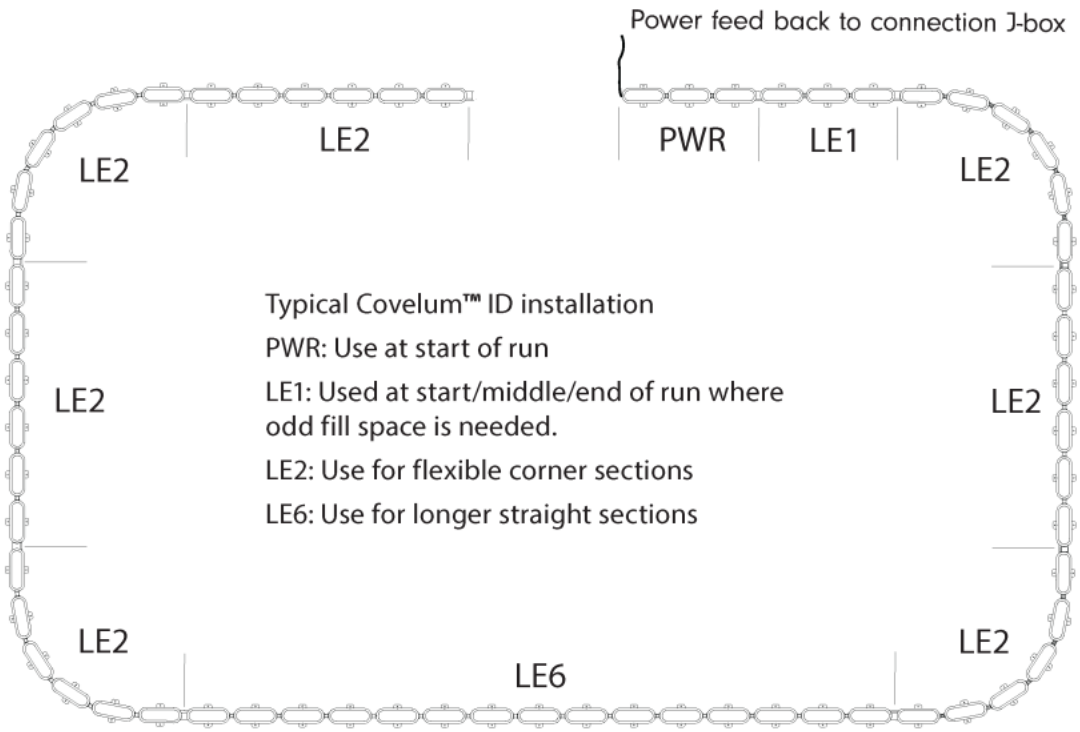
INSTRUCTION MANUAL

Project: _____ TYPE: _____

Layout Guide



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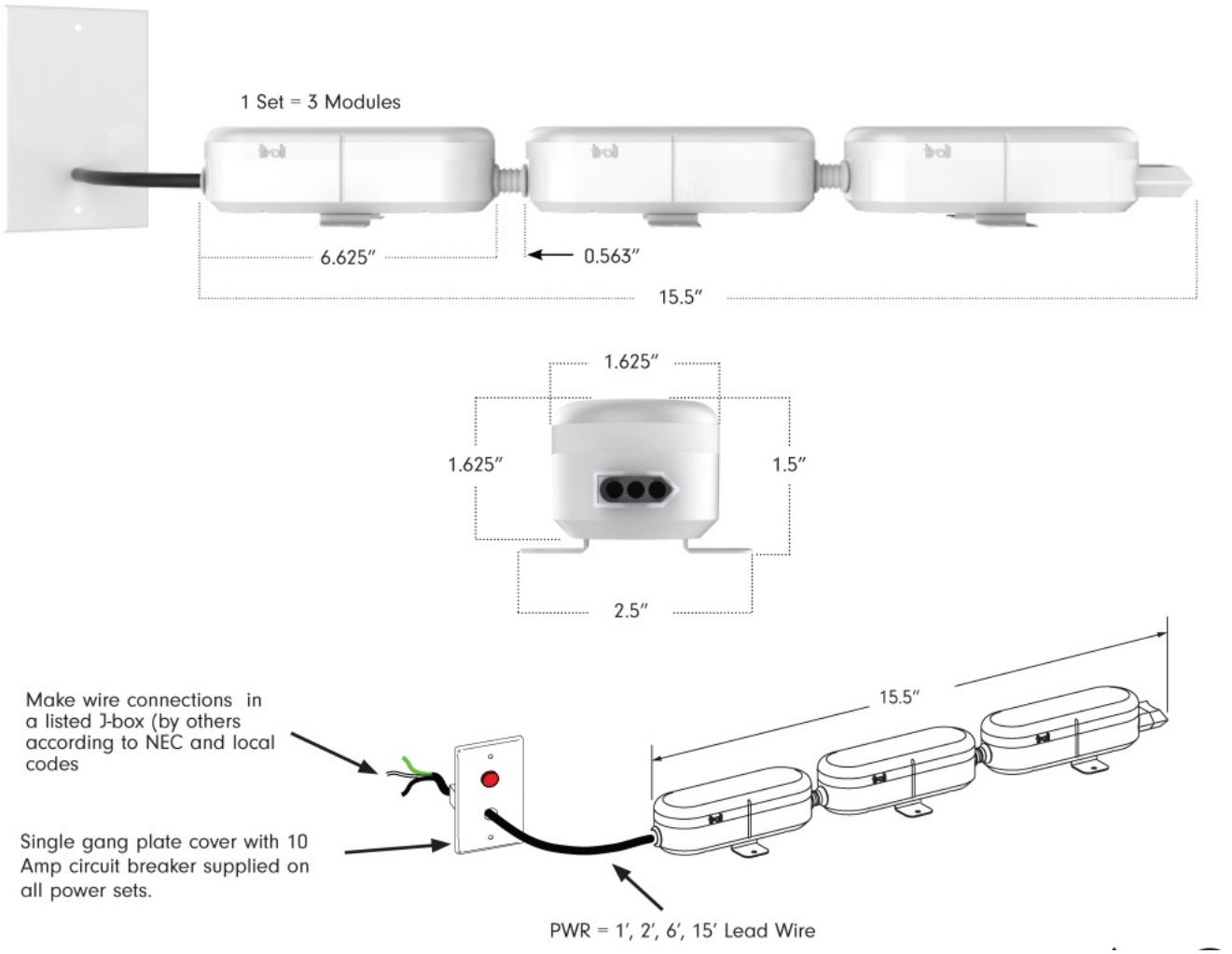
Power Set Dimensions



Power Set Order Guide

PRODUCT CODE		LED COLOR		PREP		VOLTAGE
CVLID	-		-		-	**120**
CVLID = Covelum™ ID		**22** = 2200K		PWR1 = Power Set, 1′ NOM, 1′ lead wire		**120** = 120V
		25 = 2500K		PWR2 = Power Set, 1′ NOM, 2′ lead wire		**277** = 277V
		27 = 2700K		PWR6 = Power Set, 1′ NOM, 6′ lead wire		
		30 = 3000K		PWR15 = Power Set, 1′ NOM, 15′ lead wire		
		35 = 3500K				
		40 = 4000K				

NOTE:

System must have one (PWR) Power Set at start of each circuit run length. *Consult Factory for 277V applications

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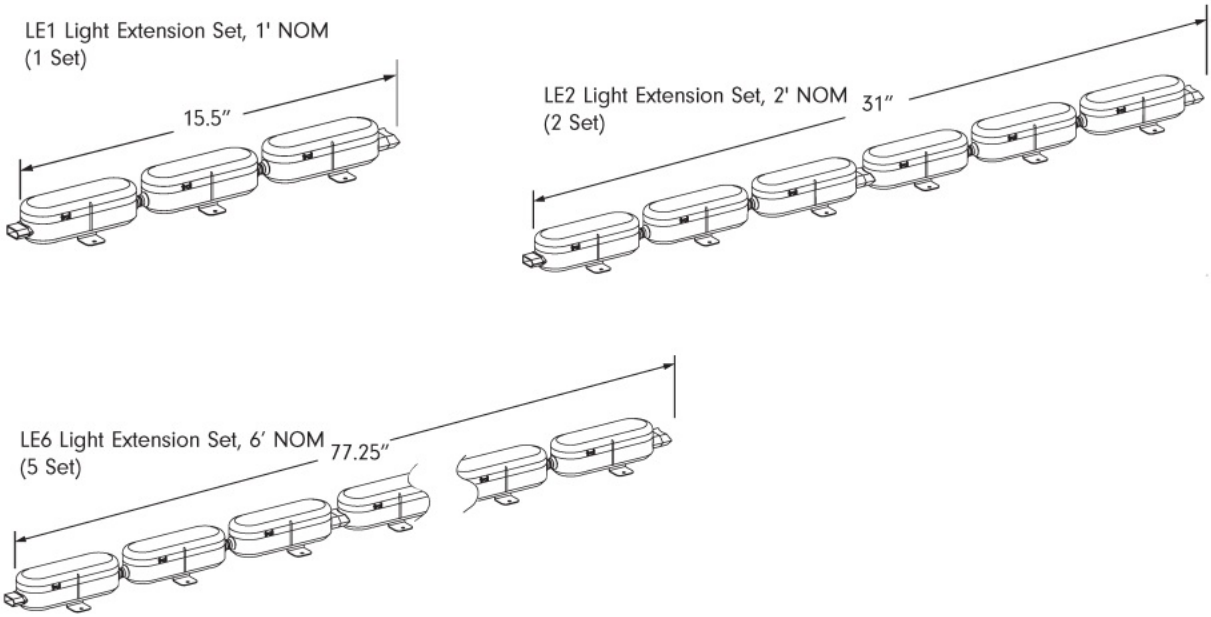
Power Set Dimensions



Light Extension Set Order Guide

PRODUCT CODE		LED COLOR		PREP		VOLTAGE
CVLID	-		-		-	**120**
CVLID = Covelum™ ID		**22** = 2200K		**LE1** = 1′ NOM light extension (15.5″) 1 set		**120** = 120V
		25 = 2500K		**LE2** = 2′ NOM light extension (31″) 2 set		**277** = 277V
		27 = 2700K		**LE6** = 6′ NOM light extension (77.25″) 5 set		
		30 = 3000K				
		35 = 3500K				
		40 = 4000K				

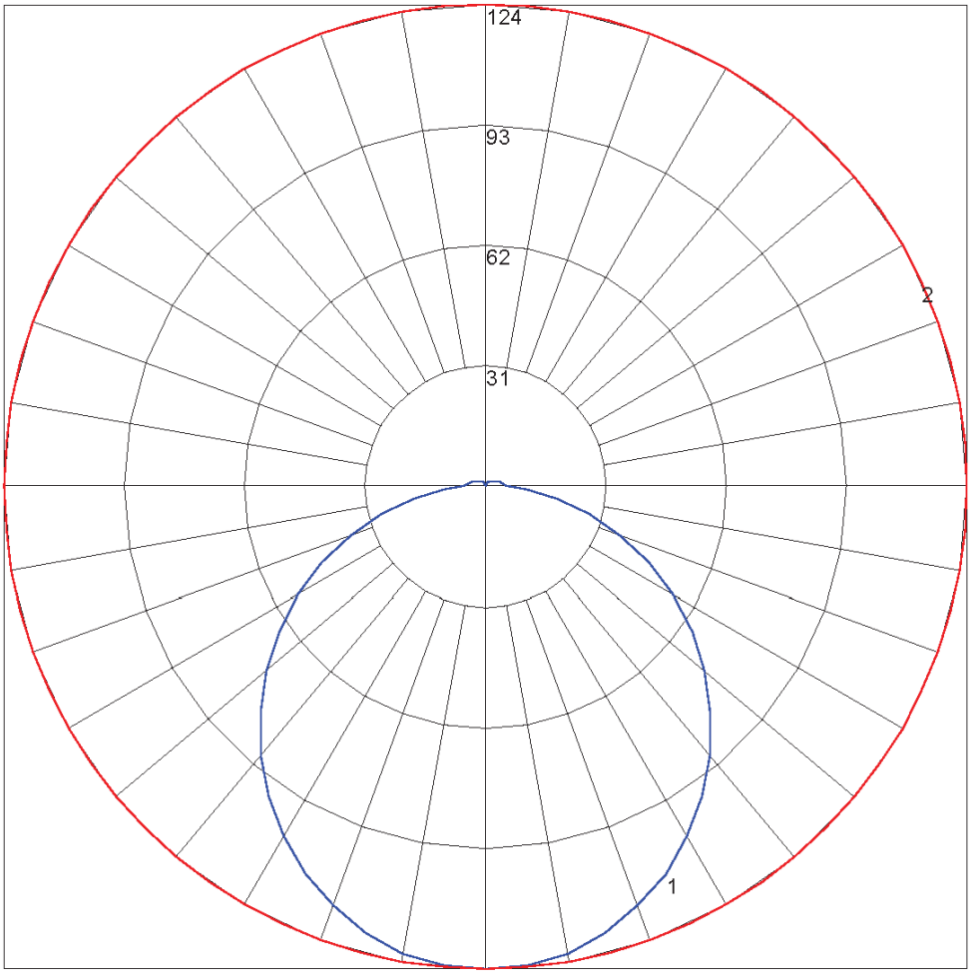
NOTE:

Light Extension Sets (LE) are flexible and have integral connections on both ends for easy run length connection.

Specification

LED Data (based on 120V)						
Color Temperature (CCT)	2200K	2500K	2700K	3000K	3500K	4000K
Lumen Output/Set	332	346	353	363	375	411
Efficacy/Set	60	63	64	66	68	75
Color Rendering Index (CRI)	93					
R9	94.64					
TM-30-15 Fidelity Index (R_f)	88					
TM-30-15 Gamut Index (R_g)	98					
Electrical & Photometric Data (Based on 3500K / (1) Power Set @ (3) Modules)						
Input Voltage	120V AC / 277V AC					
Dimming	Triac					
Power Consumption	5.55 W/Set					
Power Factor (PF)	0.8					
Maximum Run Length (Non-Dim)	185'					
Maximum Run Length (Dimmable)	132' (Based on 1.1% lumen drop at full brightness, 10% at full dimmed)					
Physical						
PCB O.C. Spacing (Average)	23/64"					
LEDs/Module	12					
Operating Temperature	-40°F (-40°C) ~ +140°F (+60°C)					
Environment	IP54 (Protected from limited dust ingress & water spray)					
Performance						
Certification	ETL Listed					
Lumenn Maintenance (L70) Hours	60,000					
Enviornment	Indoor					
IP Rating	54					
Warranty	5 Years					

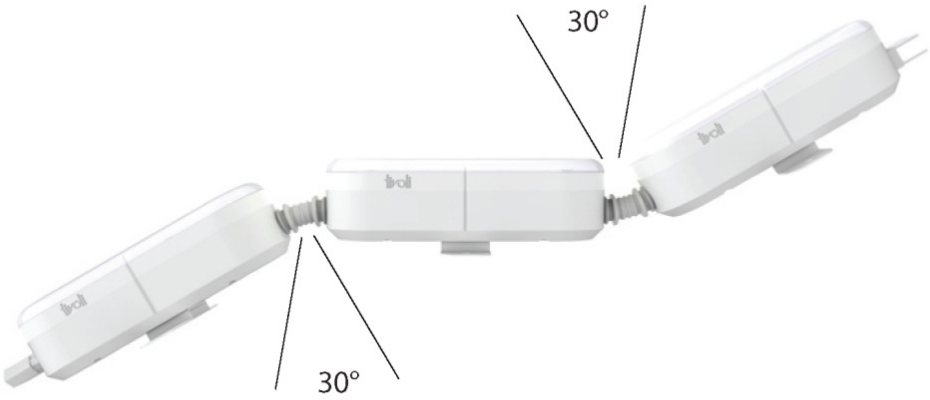
Photometrics (Based on 3500K / (1) Power Set @ (3) Modules)

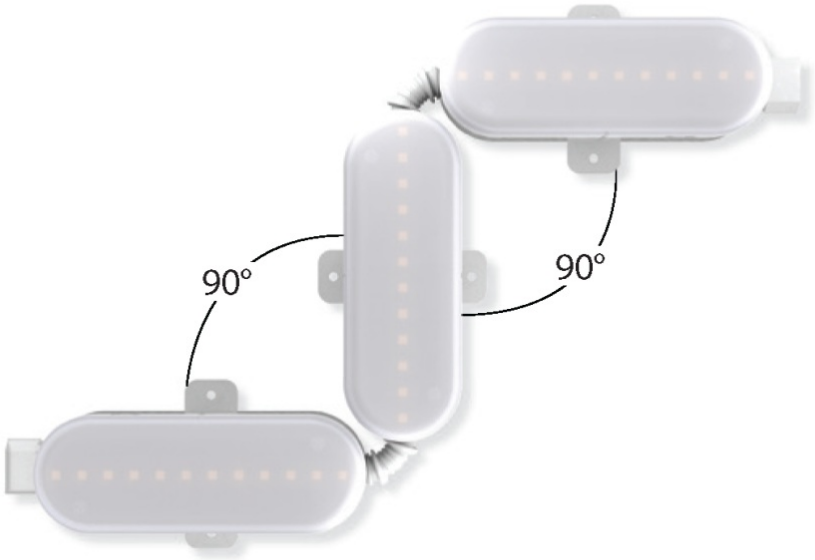


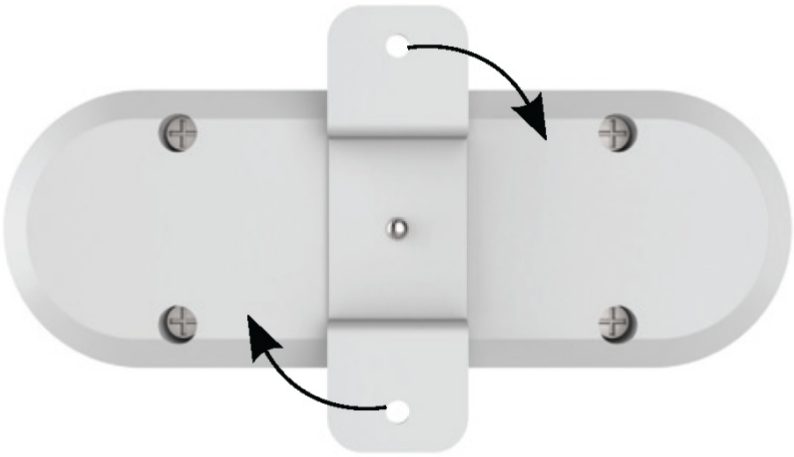
Maximum Candela = 124.17
Located At Horizontal Angle = 0

Vertical Angle = 0
#1 Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.) #2 Vertical Cone Through Vertical Angle (0) (Through Max. Cd.)

Mounting Information







Replacement Parts

CVLID-PCB-XX
XX = 22 (2200k), 25 (2500k), 27 (2700k), 30 (3000k), 35 (3500k), 40 (4000k)

CVLID-LENS-F

Replacement Lens

CVLID-LENS-C

Replacement Lens Clear Lens (1pc)

CVL120-JUMPER-X

X = 1 (1’),
2 (2’), 4 (4’), 8 (8’)
Male-Femail Molex Jumper Cables

Recommended Dimmers

DIMMING – MLV

DSCRIPTION	CAT NO	APPLICATIO N	INPUT VOLTAG E	OUTPUT VOLTA GE	MAX LOAD
MLV Dimmer	N-600	Indoor	120V AC	120V AC	450W

Tivoli, LLC. reserves the right to modify this specifi cation without prior notice

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Specifications

- **Product Code:** CVLID
- **Voltage:** 120V / 277V
- **LED Color Options:** 2200K, 2500K, 2700K, 3000K, 3500K, 4000K
- **IP Rating:** IP54
- **Warranty:** 5 Years

FAQ

What is the warranty period for the Covelum ID product?

The product comes with a warranty of 5 years.

Can the Covelum ID be dimmed?

Yes, the Covelum ID supports dimming using Triac dimmers.

What is the maximum run length for the product?

The maximum run length varies based on dimming or non-dimming scenarios. For non-dim, it is 185′, and for dimmable, it is 132′ with specific lumen drop percentages.

Documents / Resources

	tivoli Covelum ID McAdam Ellipse for Tight Color Control [pdf] Instructions Covelum ID, Covelum ID McAdam Ellipse for Tight Color Control, McAdam Ellipse for Tight Color Control, Ellipse for Tight Color Control, Tight Color Control

References

- Tivoli – Over 50 Years of Innovation and Linear Lighting Leadership.
- User Manual