

CLEAVER G2 COVE LIGHT

Surface Mount

WISDOM LIGHT



LED Interior/Exterior Architectural Cove

Typical Applications

- Hotels • Restaurants • Commercial Office Spaces
- Schools • Hospitals • Retail • Residential



Surface Mount



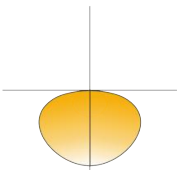
IP65



PRODUCT FEATURES

- IP65 rated for exterior wet locations or interior installations
- Luminaire equipped with an integrated driver designed for wall washing and grazing lighting applications.
- Up to 300 ft run from a single power drop
- 90+ CRI, SDCM<3, superior color consistency
- 0-10V 1%-100% dimming

DISTRIBUTION



110°

Model	Dimension	Watt select	Lumen	Nominal Efficacy	CCT	Beam angle	Voltage	Dimming	CRI
WL-2COV4FT 10WA1D1UV-90-VVV-YY(XXK)	4FT	40W	3600lm	90lm/W	3000K 3500K 4000K Single	110°	AC120-277V	0-10V (1-100%)	Ra>90

ORDERING GUIDE

Sample Model#: **CLEAVER WL-2COV4FT40WA1D1UV-90-110-WH-30K**

CLEAVER		WL-1COV									
Luminaire ID	Series	Length	Wattage	Dip-switch	Dimming	Voltage	CRI	Beam angle	Surface color	CCT	
CLEAVER	WL-2COV	4FT	40W	A1= Single CCT, 3Watt Select	D1= 0-10V (1%-100%)	UV=120-277V	90=Ra>90	VVV= 110=110°	YY= WH=White CUS=Custom	XXK= 30K=3000K 40K=4000K 50K=5000K	

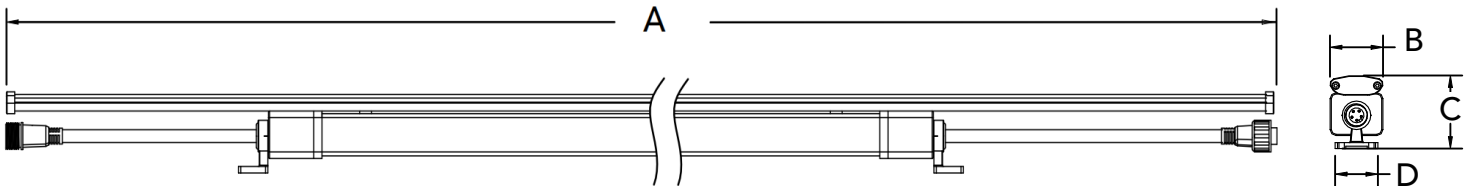
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Dimensions

PC Version :110°



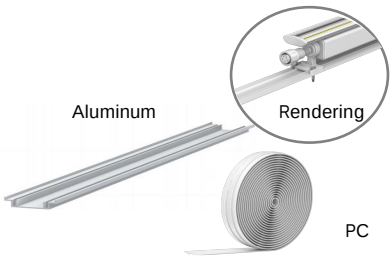
MODEL	A	B	C	D
WL-2COV4FT40WA1D1UV-90-110	39.37"(1000mm)	1.76"(44.6mm)	2.42"(61.5mm)	1.36"(36mm)

ACCESSORIES

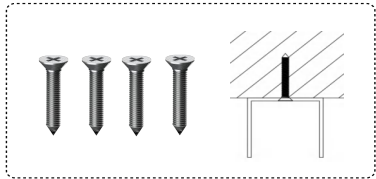
JUMPER	OTHER
JUM1FT=Jumper 1FT Cable	SPT1= Splicing Positioning Trunking, Aluminum (2.4M/ROLL)
JUM3FT=Jumper 3FT Cable	SPT2 = Splicing Positioning Trunking, PC (25M/ROLL)
JUM12FT=Jumper 12FT Cable	SSK= Surface Mounting Screw Kit



JUMPER 1' /3' /12'
L=305mm(UL/SJT/18AWG)
L=920mm(UL/SJT/18AWG)
L=3660mm(UL/SJT/18AWG)



SPT1 = Splicing Positioning Trunking,Aluminum (2.4M/ROLL)
SPT2 = Splicing Positioning Trunking, PC (25M/ROLL)



SSK=Surface Screw Kits
(Flat head cross tail screw M4x16)

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Product Specifications

Construction

- Housing is powder coated, extruded aluminum
- PC end-caps ensure a robust and clean construction

LED Drivers

- LED system coupled with electrical driver
- Traditional electronic drivers are available for 120- 277V applications

LED Optics

- Fixture equipped with proprietary 90+ CRI LED module available in any single CCT
- Designers can achieve optimal results for any installation with optical control options, covering both perpendicular and parallel orientations. This flexibility empowers designers to deliver the perfect wash or graze as needed.
- LM-80 data utilized in TM-21 lumen maintenance projections: L70 > 54,000 hrs L90 = 44,000 hrs

Mounting

- Adjustable mounting bracket is made of polycarbonate . This versatile bracket permits aiming within a range of +/- 90 degrees and can be installed in any orientation— surface, ceiling, or Wall . It features a set of screws for securing the aiming position, and for enhanced security, additional trunking can be added.

Run Length Limits

Run Length Limits (ft)	1.03M
Fixture Input Wattage	40W
Maximum Run Length (ft) @ 120V	72'
Maximum Run Length (ft) @ 277V	165'

Notes:

- 1.When 4FT are used on a line, all lamps must use the same power level, such as high-end, mid-range and low-end, otherwise the brightness will be inconsistent.
- 2.When using high power, Run must be limited to 72 ft when using 4FT fixtures in a single run at 120V. Run must be limited to 165 FT when using 4FT fixtures in a single run at 277V.
- 3.When using the medium power range, Run must be limited to 96 ft when using 4FT fixtures in a single run at 120V. Run must be limited to 220 FT when using 4FT fixtures in a single run at 277V.
- 4.When using low power range, Run must be limited to 144 FT when using 4FT fixtures in a single run at 120V.
- 5.Run must be limited to 330 FT when using 4FT fixtures in a single run at 277V.Run length is limited based on common 30mA dimmer limit. Run length could be extended to 200FT for dimmers with 50mA current rating.

Lengths

- Available in 3.38FT(1.03M)
- Additional fixture lengths are available please consult factory. All lengths are nominal and do not include end caps.

Lumen Maintenance

- 90% (L90) of initial light output at 61,000+ hrs
- 70% (L70) of initial light output at 237,000+ hrs
- Derived from TM-21 standard @25°C for worst case operating conditions

Electrical

- 0-10V 1% Dimming provided as standard
- Dimming wires capped with wire nuts for non-dimming applications
- Optional battery backup provided
- Operating temperature range: -25°C to 50°C

Weight

- 1.03M=6.0lb

Approvals

- ETL
- Tested to IESNA LM-79 and LM-80



IP65



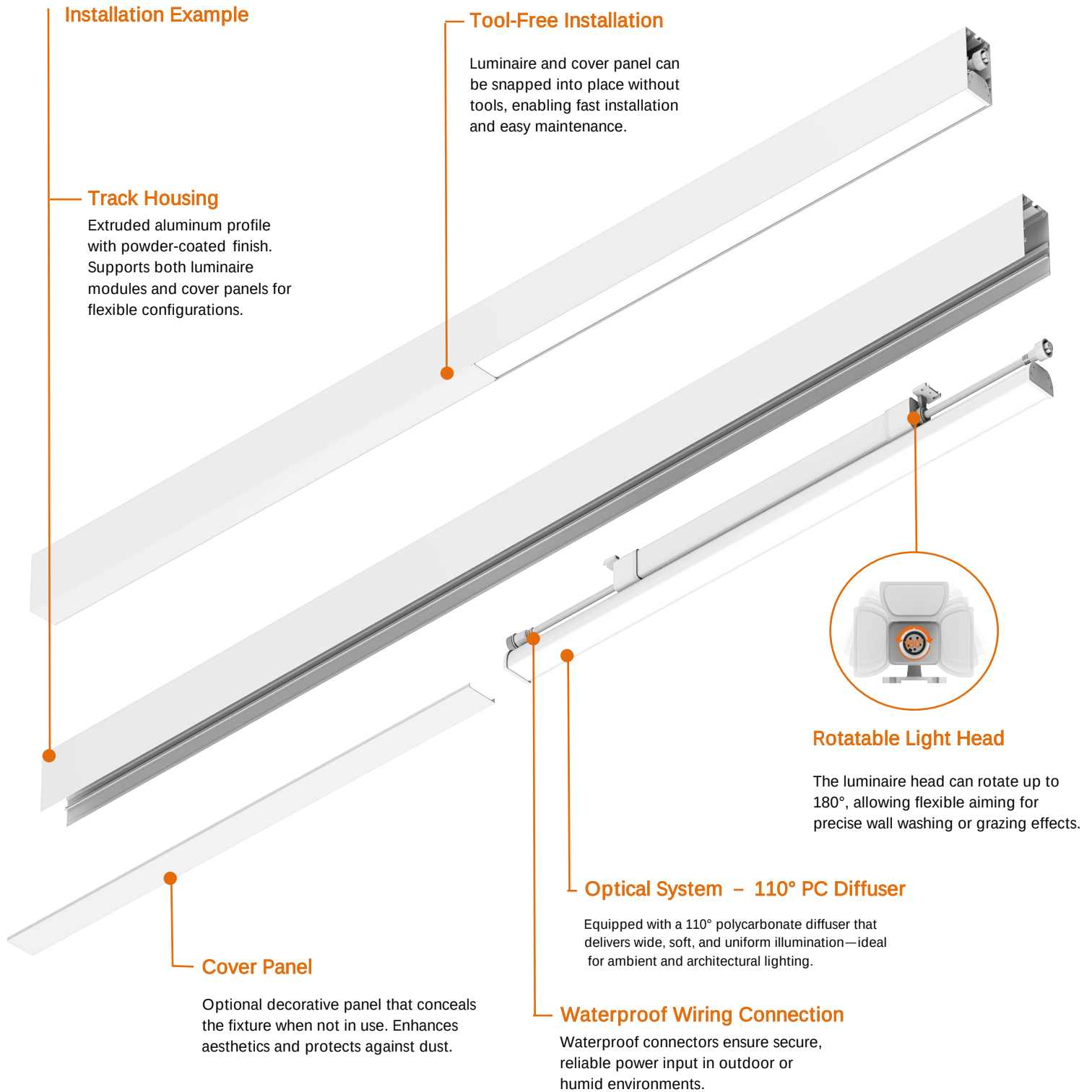
Warranty

Five year warranty standard. Optional ten year warranty available.

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FAST & FLEXIBLE INSTALLATION SYSTEM



Designed with a surface-mounted track, this system enables quick snap-in installation of both the luminaire and optional cover panel—without tools. Each component is modular and replaceable, ensuring efficient maintenance and maximum design flexibility.

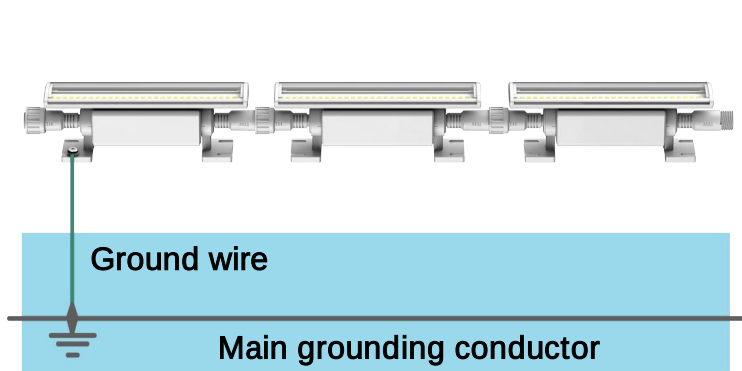
The luminaire and panel align precisely for a clean, unified ceiling finish. The optional cover panel can conceal the light when not in use—enhancing aesthetics, reducing visual clutter, and simplifying long-term maintenance.



- Final look: sleek, flush, and architectural.
- Balanced proportions, refined surface integration.
- Minimalist profile, maximized performance.
- Seamless appearance with hidden screws and track.
- Complete installation in minutes—no extra tools required.
- Clean surface look with secure mounting structure.

WIRING NOTICE FOR CONNECTED FIXTURES

To ensure safe operation in wet or corrosive environments, a corrosion-resistant ground wire must be installed every three fixtures. This prevents leakage current buildup and complies with international safety standards.



Leakage current from multiple fixtures may accumulate



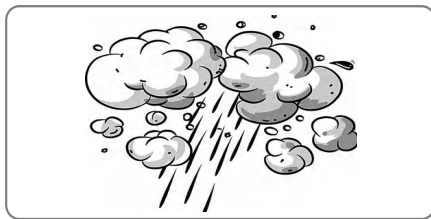
Risk of touch voltage under fault or wet conditions



Additional ground every 3 fixtures lowers impedance

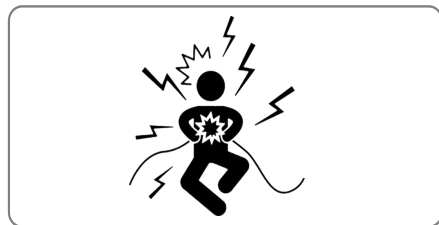


Especially important for wet /conductive surfaces



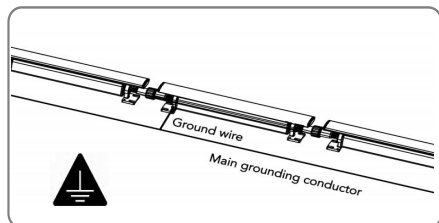
WHY IS GROUNDING CRITICAL IN HARSH ENVIRONMENTS?

- Fixtures are exposed to rain, irrigation, and melting snow salt.
- Metal housings may accumulate water and become conductive.
- Moisture lowers human body resistance significantly.
- Extra grounding provides a low resistance path for leakage current.
- This prevents hazardous voltage on exposed metal parts.



WHY IS GROUNDING NEEDED?

- Tiny leakage currents from each light can add up.
- Long ground wires = higher resistance, more voltage.
- Wet ground = greater shock risk to people.
- Low resistance grounding path prevents touch voltage.
- Without proper grounding, protective devices may not trip.
- Required by international electrical safety codes.



HOW DOES EXTRA GROUNDING HELP?

- One ground every 3 lights limits current build-up
- Shorter return paths reduce voltage on housing.
- Redundancy prevents one bad wire from failing all.
- Protects against wire damage or loose connections.
- Also helps reduce EMI in complex wiring systems.

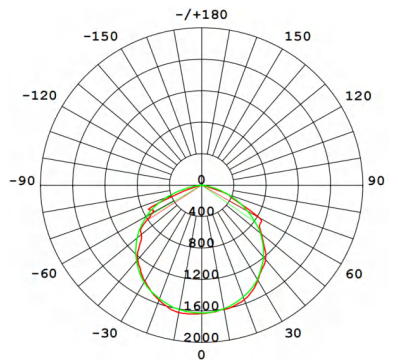
**** All grounding connections must be properly installed and tested according to international standards and manufacturer instructions. This is a critical safety requirement to ensure reliable operation and protect both people and equipment.**

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Cleaver G2 -WL-1COV
Cleaver G2 -WL-1COV/4FT/40W/RA90/4000K/110°



AVERAGE BEAM ANGLE(50%):115.2 DEG

NOMINAL FLUX(lm):4547.72,NOMINAL POWER(W):40W,lmax(cd):1646,Efficay:90lm/W

Zonal Flux Diagram						Zonal Lumens			LUMINANCE cd/(m2)		
γ	C0	C45	C90	C135	C180	γ	φ zone	φ total	G(DEG)	C0/180	C90/270
10	1606	1594	1595	1622	1644	00-10	154.6	154.6	85	3121	2178
20	1549	1533	1512	1576	1555	10-20	448.1	602.7	80	3337	7968
30	1394	1414	1383	1447	1412	20-30	685.7	1288	75	4789	14991
40	1233	1198	1193	1253	1239	30-40	829.5	2118	70	21002	20541
50	969.5	974.9	953.4	1016	978.7	40-50	857.4	2975	65	22037	23638
60	817.0	679.3	651.7	702.0	705.2	50-60	766.7	3742	60	32419	25859
70	362.0	306.0	354.1	407.7	286.3	60-70	562.5	4304	55	30400	27851
80	29.21	31.20	69.74	64.35	25.82	70-80	205.2	4510	50	29925	29430
90	7.652	7.716	0.3349	9.601	7.676	80-90	22.63	4532	45	30775	30263
DEG	LUMINOUS INTENSITY:cd/klm					UNIT:lm/klm					

