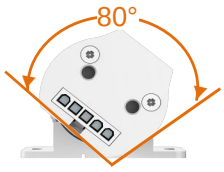
CLEAVER G5 COVE LIGHT

Interior G5 Cove Light

WISDOM LIGHT





APPLICATIONS

- **Versatile Lighting : I**deal for architectural coves, wall washing, and accent lighting in offices or retail spaces.
- **Pro Grade :** Designed for commercial environments requiring clean, uniform, and low-glare light.

CONSTRUCTION

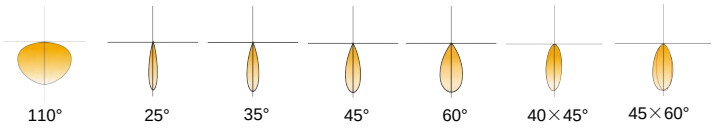
- Extruded aluminum housing with powder-coated finish for enhanced durability and thermal performance.
- Compact design: low-profile modular construction with precision end caps for a seamless appearance.
- End caps: high-strength engineered plastic for lightweight durability and clean detailing.
- Injection-molded adjustable mounting bracket with ±40° tilt adjustment

MOUNTING

- **Surface Mount:** Optimized for fast ceiling or wall installation
- **Flexible Aiming:** Easily adjust the light beam with a +/- 40° tilting bracket to highlight any area.

OPTICS

- Choose from a 110° standard wash, precision 25°/35°/45°/60° lenses, or specialized 40×45° and 45×60° elliptical beams for targeted architectural control.



SYSTEM SPECIFICATIONS

- High-efficacy 120 lm/W with CRI 90+ for superior color fidelity (CRI 80+ optional).

RATINGS & WARRANTY

Designed for indoor environments; service life >100,000 h (L90).
5-year limited product warranty.

SPECIFICATION

Model	Dimension	Watt select	Max Lumen	Nominal Efficacy	CCT	Beam Angle	Voltage	Dimming	CRI	UGR
WL-5COV1FT10WB2DUV-90-110-YY(XXK-XXK-XXK)	1FT L306×W69xH46.2mm	5W/7.5W/10W	1200lm	120lm/W	3000K 3500K 4000K Select	110°	AC120-277V	0-10V (5-100%)	Ra>90 (80 Optional)	<28
WL-5COV4FT40WB2DUV-90-110-YY(XXK-XXK-XXK)	4FT L1206×W69×H46.2mm	20W/30W/40W	4800lm							
WL-5COV1FT10WB2DUV-90-VVV-YY(XXK-XXK-XXK)	1FT L306×W69xH46.2mm	5W/7.5W/10W	1100lm	110lm/W		25°/35°/45°/60° 40×45°/45×60°				<19
WL-5COV4FT40WB2DUV-90-VVV-YY(XXK-XXK-XXK)	4FT L1206×W69×H46.2mm	20W/30W/40W	4400lm							
WL-5COV1FT10WB2TRSV-90-110(XXK-XXK-XXK)	1FT L306×W69xH46.2mm	5W/7.5W/10W	1200lm	120lm/W		110°	AC120V	Triac	Ra>90 (80 Optional)	<28
WL-5COV4FT40WB2TRSV-90-110-YY(XXK-XXK-XXK)	4FT L1206×W69×H46.2mm	20W/30W/40W	4800lm							
WL-5COV1FT10WB2TRSV-90-VVV-YY(XXK-XXK-XXK)	1FT L306×W69xH46.2mm	5W/7.5W/10W	1100lm	110lm/W		25°/35°/45°/60° 40×45°/45×60°				<19
WL-5COV4FT40WB2TRSV-90-VVV-YY(XXK-XXK-XXK)	4FT L1206×W69×H46.2mm	20W/30W/40W	4400lm							

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CLEAVER G5 COVE LIGHT

Interior G5 Cove Light

WISDOM LIGHT

ORDERING INFORMATION

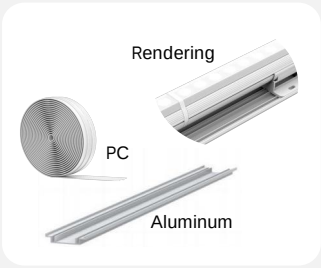
WL-5COV	1FT	10W	A	D1	UV	90	1515	27K	L
Brand & Product	Length	Wattage	Series	Dimming	Voltage	CRI	Beam angle	CCT	LED
WL-5COV Wisdom Light Cleaver GEN5 Cove Light	**1FT** 1FT **4FT** 4FT	**10W** Wattage Selectable 5W/7.5W/10W **40W** Wattage Selectable 20W/30W/40W	**B2** 3CCT Select, 3Watt Select	**D** 0-10V(5%-100%) **TR** Triac	**UV** 120-277V **SV** 120V	**90** Ra>90 (Standard) **80** Ra>80 (Optional)	**VVV=** **025** 25° for lens **035** 35° for lens **045** 45° for lens **060** 60° for lens **4045** 40x45° for lens **4560** 45x60° for lens **110** 110° for PC Clear Diffuser	**(XXK-XXK-XXK)=** **(30K-35K-40K)** 3000K/3500K/4000K 3-CCT select	**C** CREE **L** LUMISEE

ACCESSORIES



| Jumper cable 1FT / 3FT / 12FT

- JUM1FT-G5=1 ft cable, L=305mm(UL/SJT/18AWG)
- JUM3FT-G5=3 ft cable, L=920mm(UL/SJT/18AWG)
- JUM12FT-G5=12 ft cable, L=3660mm(UL/SJT/18AWG)



| SPLICING POSITIONING CHANNEL

- SPT1 – Splicing Positioning Channel, Aluminum (4 ft)
- SPT2 – Splicing Positioning Channel, PC (82ft/roll)



| POWER HARNESS

Metal junction box with 50 cm leads for clean, concealed power entry. Internal connector included

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CLEAVER G5 COVE LIGHT

Interior G5 Cove Light

WISDOM LIGHT

PRODUCT SPECIFICATIONS

Construction

- Housing is powder coated, extruded aluminum
- PC end caps ensure a robust and clean construction
- Available in 1F (12")and 4F (48") length

LED Drivers

- UL Class II certified LED driver
- 0-10V(5-100%):Electronic driver for 120-277V applications, smooth dimming control.
- TRIAC Phase-Cut Dimming (Optional): 120V only, leading-edge compatible

LED&Optics

- Fixture equipped with proprietary 90+ CRI LED module, available in 3-CCT select: 3000K / 3500K / 4000K.
- Consistent Color: t 5 SDCM | Selectable CCT.
- Designers can select from multiple optical options to suit both perpendicular and parallel installations. The 110° version features a transparent PC cover for uniform wash, while other options utilize precision optical lenses. Available beam angles include 25°, 35°, 45°, 60°, as well as 40×45° and 45×60° elliptical distributions, enabling flexible lighting effects from wide washes to precise grazing.

Mounting

- Injection-molded adjustable mounting bracket provides ±40° aiming adjustment. At 30°, the fixture reaches its maximum overall height. Suitable for surface, ceiling, or vertical installation. The bracket uses a friction-lock design to secure the aiming position.

Environment

- Operating temperature range: -25° C to 50° C

Approvals

- ETL - listed for damp locations
- Tested to IESNA lm-79 and lm-80

Performance & Warranty

- Rated lifetime: 50,000 hours
- 5-Year Limited Warranty

RUN LENGTH LIMITS

Run Length Limits (ft)	1FT			4FT		
Fixture Input Wattage	5W	7.5W	10W	20W	30W	40W
Maximum Run Length (ft) @ 120V	144ft	96ft	72ft	144ft	96ft	72ft
Maximum Run Length (ft) @ 277V	330ft	220ft	165ft	332ft	220ft	165ft

Notes:

1. When mixing 1ft and 4ft fixtures on one continuous run, all units must share the same wattage tier (low / medium / high). Otherwise, uneven brightness will occur.
2. For high-wattage mixed 1ft+4ft installations: maximum run length is restricted to 72 ft at 120V, and 165 ft at 277V.
3. For medium-wattage mixed 1ft+4ft installations: maximum run length is restricted to 96 ft at 120V, and 220 ft at 277V.
4. For low-wattage mixed 1ft+4ft installations: maximum run length is restricted to 144 ft at 120V, and 330 ft at 277V.
5. The above maximum run lengths are calculated based on standard 30mA-rated dimmers. Longer runs up to 200 ft are permitted when paired with 50mA dimmers.
6. Grounding Requirement: Supplementary grounding is mandatory for high-wattage or long-run installations for electrical safety. Secure the ground wire to the mounting bracket, and add an extra ground connection every 3 fixtures along the full run to eliminate shock hazards.

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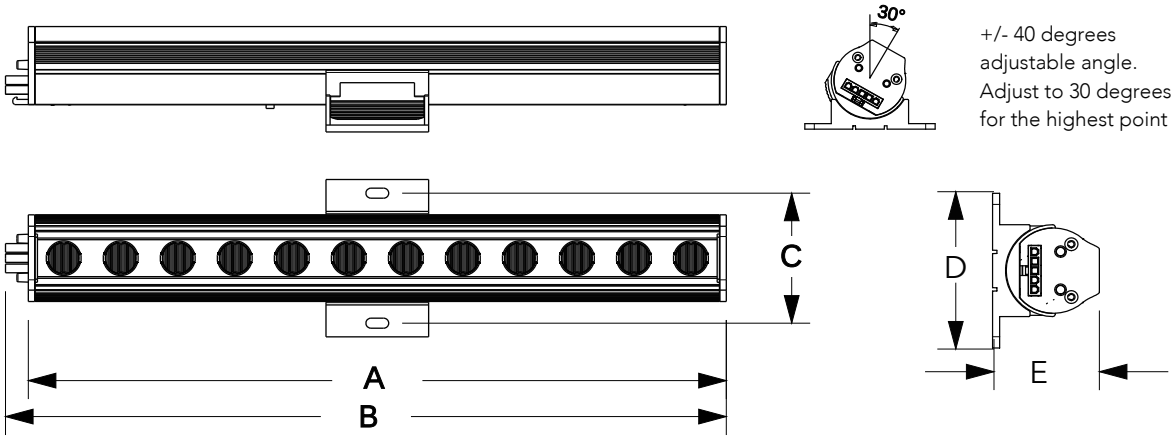
CLEAVER G5 COVE LIGHT

Interior G5 Cove Light

WISDOM LIGHT

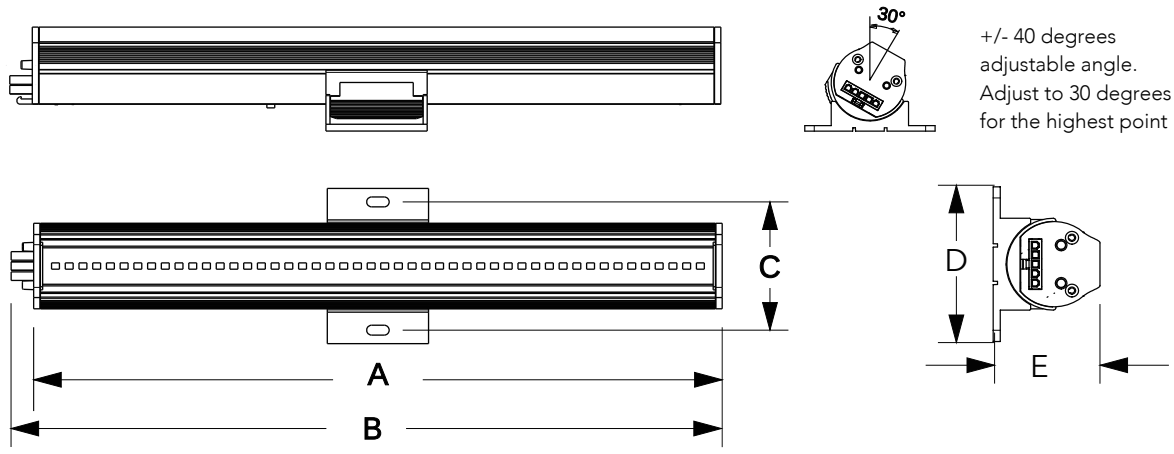
DIMENSION

Optical Lens Versions



MODEL	A	B	C	D	E
WL-5COV1FT	12.05"(306mm)	12.40"(315mm)	2.24"(57mm)	2.72"(69mm)	1.82"(46.2mm)
WL-5COV4FT	47.48"(1206mm)	47.83"(1215mm)	2.24"(57mm)	2.72"(69mm)	1.82"(46.2mm)

110° Frosted PC Protective Cover (No Optical Lens)



MODEL	A	B	C	D	E
WL-5COV1FT	12.05"(306mm)	12.40"(315mm)	2.24"(57mm)	2.72"(69mm)	1.82"(46.2mm)
WL-5COV4FT	47.48"(1206mm)	47.83"(1215mm	2.24"(57mm)	2.72"(69mm)	1.82"(46.2mm)

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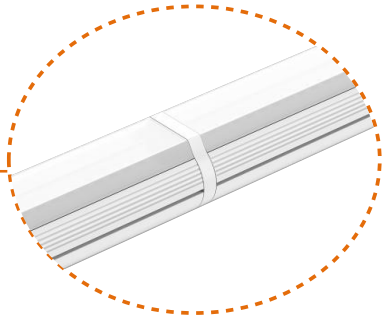
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CLEAVER G5 COVE LIGHT

Interior G5 Cove Light

WISDOM LIGHT

Features

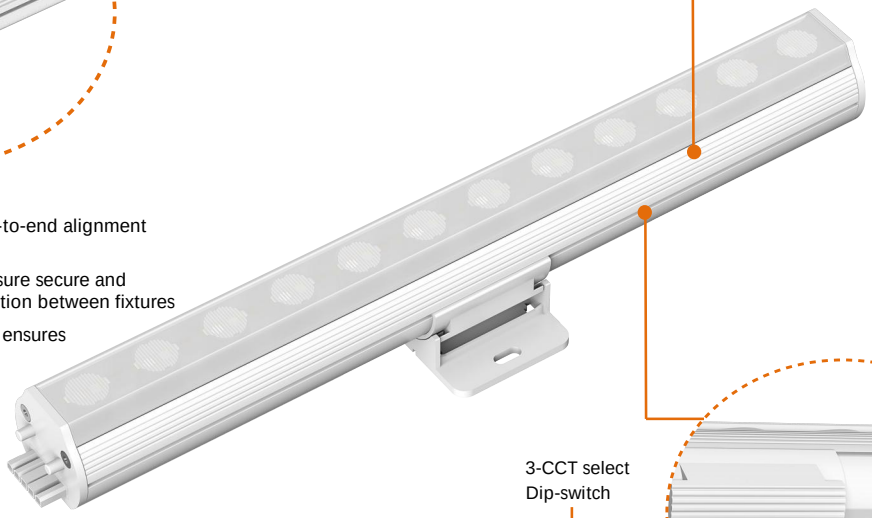


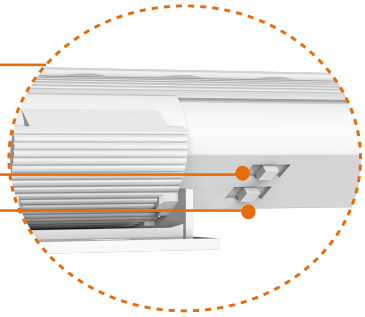
Housing is powder coated, extruded aluminum

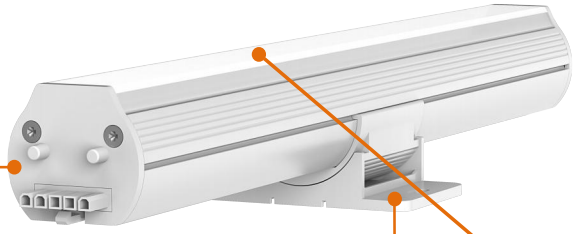
- Extruded aluminum provides strength and durability.
- Powder coating protects against corrosion, scratches, and UV damage.
- The finish enhances both durability and appearance.

Gapless Connection

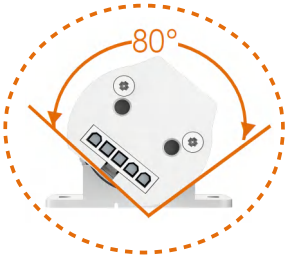
- End caps enable precise end-to-end alignment for a clean linear appearance
- External quick connectors ensure secure and reliable electrical interconnection between fixtures
- Optional positioning channel ensures straight and consistent linear alignment during installation

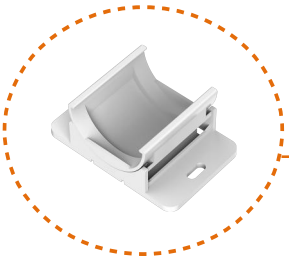






- DIP switch enables 3-stage wattage selection (5W/7.5W /10W for 1ft; 20W/30W/40W for 4ft) to accommodate diverse lighting requirements.
- EQuick CCT switching between 3000K, 3500K and 4000K via built-in DIP switch







- **Injection-molded Adjustable Mounting Bracket**

Injection-molded adjustable mounting bracket with ±40° aiming adjustment.

- **Installation Flexibility**

Designed for surface, ceiling, or vertical installation.

- **Positioning System**

Friction-lock mechanism ensures stable positioning without the need for set screws.

7 Optics Options (110° / Symmetric / Elliptical)

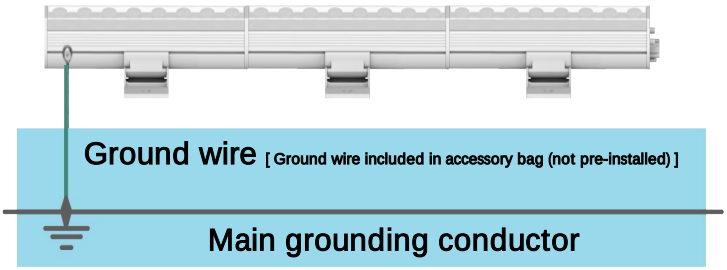
- 110°: Provides broad, uniform light for general ambient and wall washing.
- Symmetric Beam Lenses(25° / 35° / 45° / 60°): Deliver controlled beams for precise wall washing andaccent lighting.
- 40×45° / 45×60° elliptical lenses engineered for vertical surfaces, delivering targeted directional lighting with minimal light spill.

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WIRING INSTRUCTION FOR DAISY-CHAINED FIXTURES

Grounding wires are supplied in the accessory bag. An additional ground connection is required every 3 fixtures for safe operation within wet or corrosive environments, to avoid leakage current buildup and maintain full compliance with electrical safety standards.



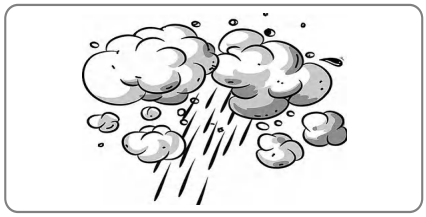


Leakage currents from interconnected fixtures can build up

Risk of hazardous touch voltage under fault or damp conditions

Supplementary grounding every 3 fixtures reduces circuit impedance

Particularly critical for wet or conductive mounting surfaces



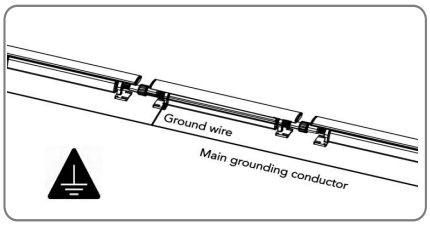
WHY IS GROUNDING CRITICAL IN HARSH ENVIRONMENTS?

- Fixtures are exposed to rain, irrigation water, and de-icing salt runoff.
- Metal housings may accumulate water and become conductive.
- Moisture lowers human body resistance significantly.
- Supplementary grounding creates a low-resistance return 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 continuous ground wiring creates higher resistance and elevated touch voltage.
- Damp conditions increase the risk of electric shock to users.
- A low-resistance grounding path limits hazardous touch voltage.
- Without proper grounding, protective devices may not trip.
- Mandated by global electrical safety standards.



HOW DOES EXTRA GROUNDING HELP?

- Adding one supplementary ground every 3 fixtures restricts leakage current buildup
- Shorter return conduction paths lower residual voltage on the fixture housing
- Ground redundancy ensures a single faulty ground wire will not disable the full circuit safety system.
- Protects against wire damage or loose connections.
- Also helps reduce EMI in complex wiring systems.

**** All ground connections shall be correctly fitted and tested in accordance with international electrical standards and the manufacturer ' s installation instructions. This is a mandatory safety requirement to guarantee reliable fixture operation and safeguard personnel and equipment from electrical hazards.**

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CLEAVER G5 COVE LIGHT

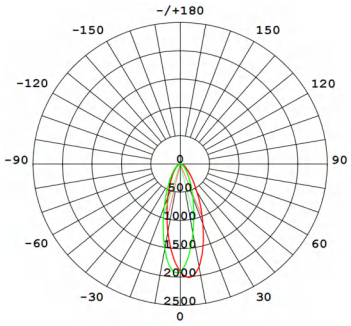
Interior G5 Cove Light

WISDOM LIGHT

PHOTOMETRIC DATA

CLEAVER G5 COVE LIGHT-WL-5COV

1FT/10W/RA90/35°/4000K/White



AVERAGE BEAM ANGLE(50%):33.1DEG

Nominal Flux(lm):1179.25,Nominal Power(W):10W,Max Intensity (cd):2010,Efficacy: 115.61lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1842	1480	1245	1213	1220
20	1129	818.4	628.2	607.6	623.6
30	569.7	416.0	314.4	299.9	309.9
40	287.8	217.7	167.0	158.1	163.8
50	154.1	119.9	95.21	88.24	90.63
60	86.99	69.46	54.82	50.63	51.69
70	48.54	39.18	27.68	26.87	27.59
80	25.76	19.31	8.993	11.35	12.63
90	11.35	6.784	0.0098	5.016	7.886
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

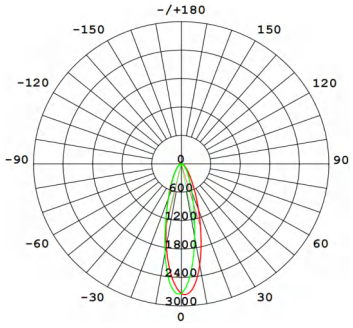
γ	Φzone	Φtotal
00-10	158.2	158.2
10-20	300.0	458.2
20-30	253.8	711.9
30-40	175.1	887.1
40-50	116.0	1003
50-60	76.05	1079
60-70	47.49	1127
70-80	25.77	1152
80-90	10.44	1163
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	6176	882
80	4526	1588
75	4222	2057
70	4330	2482
65	4700	2905
60	5308	3362
55	6152	3891
50	7313	4542
45	9012	5427

CLEAVER G5 COVE LIGHT-WL-5COV

1FT/10W/RA90/25°/3500K/White



AVERAGE BEAM ANGLE(50%):27.5DEG

Nominal Flux(lm):1188.9,Nominal Power(W):10W,Max Intensity (cd):2760,Efficacy: 117.71lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	2161	1737	1578	1731	1762
20	1027	734.5	632.5	722.7	777.1
30	434.7	328.2	286.3	317.2	344.7
40	208.4	167.9	149.8	159.9	172.3
50	111.5	91.99	83.69	86.91	92.56
60	63.00	52.78	47.84	49.58	52.54
70	34.57	28.99	24.27	26.98	28.51
80	17.52	13.46	8.086	12.06	13.61
90	7.144	4.747	0.0193	4.314	6.555
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

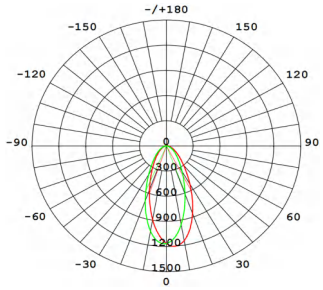
γ	Φzone	Φtotal
00-10	214.7	214.7
10-20	340.6	555.3
20-30	237.5	792.8
30-40	151.2	944.1
40-50	98.07	1042
50-60	63.86	1106
60-70	39.70	1146
70-80	21.32	1167
80-90	8.266	1175
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	3996	883
80	3040	1441
75	2908	1839
70	3046	2196
65	3348	2558
60	3798	2961
55	4401	3427
50	5226	4029
45	6437	4863

CLEAVER G5 COVE LIGHT-WL-5COV

1FT/10W/RA90/45°/3500K/White



AVERAGE BEAM ANGLE(50%):45.1 DEG

Nominal Flux(lm):1125.1,Nominal Power(W):10W,Max Intensity (cd):1199,Efficacy: 111.40lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	1146	1054	951.6	909.4	892.9
20	854.9	732.2	608.8	567.3	555.5
30	524.7	434.3	349.4	323.3	317.8
40	300.4	250.5	203.4	187.9	184.7
50	175.0	149.1	122.5	111.5	108.6
60	104.6	89.31	72.61	65.86	63.99
70	60.40	51.27	37.04	35.49	34.71
80	32.61	25.51	12.38	15.58	16.47
90	15.17	9.698	0.0267	7.310	10.89
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	Φzone	Φtotal
00-10	103.3	103.3
10-20	233.9	337.1
20-30	239.4	576.5
30-40	188.3	764.8
40-50	136.2	901.0
50-60	94.36	995.4
60-70	60.63	1056
70-80	33.32	1089
80-90	13.72	1103
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	8000	1376
80	5772	2194
75	5344	2795
70	5429	3334
65	5808	3878
60	6431	4470
55	7263	5117
50	8367	5867
45	9922	6854

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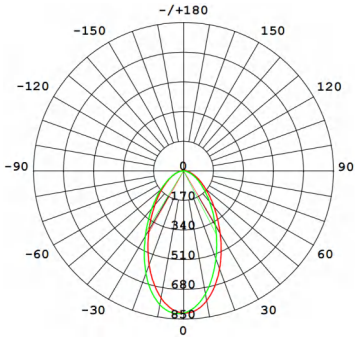
CLEAVER G5 COVE LIGHT

Interior G5 Cove Light

WISDOM LIGHT

CLEAVER G5 COVE LIGHT-WL-5COV

1FT/10W/RA90/60°/3500K/White



AVERAGE BEAM ANGLE(50%):59.0 DEG

Nominal Flux(lm):1098.3,Nominal Power(W):10W,Max Intensity (cd):819.5,Efficacy:108.74lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	755.8	725.0	715.2	733.3	739.4
20	597.2	551.0	536.0	561.8	572.0
30	415.0	374.6	360.7	384.6	393.6
40	268.4	238.5	227.5	246.3	253.8
50	165.9	145.9	138.0	151.9	157.4
60	99.46	85.78	80.21	89.63	93.63
70	55.14	46.72	39.94	49.47	52.25
80	26.91	20.74	12.53	22.43	25.20
90	11.20	8.031	0.0194	7.730	11.02
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

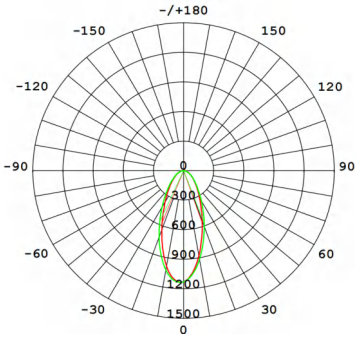
γ	Φzone	Φtotal
00-10	74.53	74.53
10-20	187.2	261.8
20-30	224.1	485.9
30-40	202.4	688.3
40-50	157.0	845.3
50-60	109.8	955.1
60-70	69.80	1025
70-80	37.36	1062
80-90	14.27	1077
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	6107	1193
80	4753	2233
75	4652	2968
70	4945	3612
65	5462	4259
60	6101	4962
55	6895	5732
50	7915	6642
45	9199	7779

CLEAVER G5 COVE LIGHT-WL-5COV

1FT/10W/RA90/40°×45°/3500K/White



AVERAGE BEAM ANGLE(50%):43.7 DEG

Nominal Flux(lm):1071.7,Nominal Power(W):10W,Max Intensity (cd):1142,Efficacy:106.11lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	877.7	874.6	915.0	984.6	985.9
20	543.0	546.4	601.1	652.7	637.7
30	316.9	319.4	352.8	384.6	370.7
40	192.0	190.8	204.5	225.9	220.5
50	120.0	116.7	123.7	136.7	135.2
60	74.72	71.19	74.05	84.12	84.76
70	43.08	39.79	37.78	48.59	50.27
80	22.24	18.26	11.95	23.88	26.68
90	11.73	8.342	0.0290	8.805	12.10
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

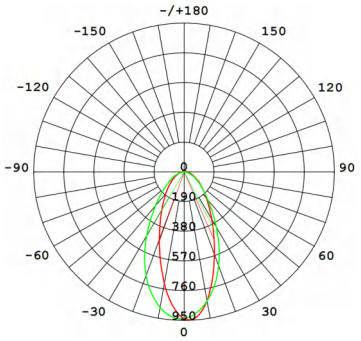
γ	Φzone	Φtotal
00-10	98.87	98.87
10-20	218.1	316.9
20-30	221.3	538.2
30-40	176.9	715.1
40-50	131.3	846.4
50-60	93.26	939.7
60-70	61.43	1001
70-80	34.26	1035
80-90	14.16	1050
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	5255	1153
80	3920	2133
75	3717	2811
70	3854	3422
65	4162	4008
60	4573	4588
55	5073	5221
50	5711	5963
45	6563	6937

CLEAVER G5 COVE LIGHT-WL-5COV

1FT/10W/RA90/45°×60°/3500K/White



AVERAGE BEAM ANGLE(50%):50.3 DEG

Nominal Flux(lm):1050.5,Max Intensity (cd)(W):10W,Max Intensity (cd):947.1,Efficacy:104.01lm/W

Zonal Flux Diagram

γ	C0	C45	C90	C135	C180
10	835.6	849.3	837.7	771.0	724.4
20	561.7	604.7	639.0	527.9	460.8
30	349.5	376.8	407.6	331.4	284.4
40	219.9	227.9	233.3	204.1	180.6
50	141.3	139.1	136.2	125.9	115.0
60	90.46	85.58	80.81	77.12	72.33
70	54.05	49.25	40.99	43.27	41.78
80	29.38	24.13	13.03	19.91	21.10
90	13.55	9.675	0.0464	8.529	12.05
DEG	LUMINOUSINTENSITY:cd/klm				

Zonal Lumens

γ	Φzone	Φtotal
00-10	83.61	83.61
10-20	195.7	279.3
20-30	215.9	495.2
30-40	182.2	677.4
40-50	137.1	814.5
50-60	97.76	912.3
60-70	64.36	976.6
70-80	35.83	1012
80-90	14.75	1027
UNIT:lm/klm		

LUMINANCE cd/(m2)

G(DEG)	C0/180	C90/270
85	7252	1255
80	5247	2301
75	4848	3037
70	4900	3675
65	5169	4305
60	5610	4956
55	6148	5654
50	6818	6496
45	7715	7661

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