

MONOPOINT INTERNATIONAL CM2 HANG STRAIGHT





An innovative solution for sloped ceilings, this monopoint “hang straight” can suspend with a rigid stem up to 4’ in length, for ceiling pitches up to 45° while still allowing for a full 90° tilt.

PROJECT NAME:

TYPE:



ORDERING INFORMATION - MONOPOINT

CYLINDER	LENGTH	FIXTURE	BODY FINISH	BAFFLE FINISH	STEM FINISH	CRI / WATTAGE PACKAGE	CCT	OPTIC (UGR)	DRIVER	MEDIA	MOUNTING			
CM2		HS1									E			
CM2 83mm	LENGTHS SL 3" Standard 24 24" 48 48" 24" AND 48" STEMS ARE FIELD CUTTABLE. 3" STANDARD LENGTH STEM IS MINIMUM LENGTH.	ADJUSTABLE DRY / DAMP HS1 Adjustable 90° Fixture Tilt, Max ceiling pitch 12/12 (45°)	POWDERCOAT	POWDERCOAT	POWDERCOAT	 STATIC WHITE	24 2400K* *(90+ CRI only)	10 10° (>19)	INTEGRAL IE Electronic ELV / TRIAC 220V-240V	STANDARD MEDIA 4 Soft Focus Lens 0 No Lens* *(Standard with 10° optic, Not available for Warm Dim)	E EXMP Export Mounting Plate. Features 83mm diameter canopy			
			WH White	WH White	WH White	80S11A 80+ CRI, 11 Watts Lumens Delivered - 1216	27 2700K	15 15° (<13)						
			BK Black	BK Black	BK Black	80S17A 80+ CRI, 17 Watts Lumens Delivered - 1843	30 3000K	20 20° (<10)	REMOTE IG eldoLED, SOLOdrive 0.1% 0-10V, LOG 120V-277V	ALTERNATE MEDIA 2 Honeycomb Louver* *(Not available for Warm Dim)				
			AB Architectural Bronze	AB Architectural Bronze	AB Architectural Bronze	90S11A 90+ CRI, 11 Watts Lumens Delivered - 1045	35 3500K	25 25° (<10)						
			AG Satin Silver	AG Satin Silver	AG Satin Silver	90S17A 90+ CRI, 17 Watts Lumens Delivered - 1583	40 4000K	40 40° (<10)	IN eldoLED, SOLOdrive 0.1% 0-10V, LIN 120V-277V	ID eldoLED, SOLOdrive 0.1% DALI-2, LOG 120V-277V				
			AU Cashmere Gold	AU Cashmere Gold	AU Cashmere Gold	97S11A 97+ CRI, 11 Watts Lumens Delivered - 918		60 60° (<16)						
			BB Burnt Bronze	BB Burnt Bronze	BB Burnt Bronze	97S17A 97+ CRI, 17 Watts Lumens Delivered - 1390			REMOTE TUNABLE WHITE DD eldoLED, DUALdrive 0.1% DALI-2, LOG 120V-277V	5 Frosted Glass Lens 6 Frosted Soft Focus Lens 7 Frosted Linear Spread Lens S Soft Focus Lens w/ Honeycomb Louver F Frosted Glass Lens w/ Honeycomb Louver				
			CF Custom Finish* *(Consult Factory)	CF Custom Finish* *(Consult Factory)	CF Custom Finish* *(Consult Factory)	 STATIC WHITE	27 2700K	15 15° (<13)						
						80S28B 80+ CRI, 28 Watts Lumens Delivered - 2756	30 3000K	20 20° (<10)	ALUMINA NOT RECOMMENDED FOR EXTERIOR APPLICATIONS, FINISHES ARE NOT UV RATED					
						90S28B 90+ CRI, 28 Watts Lumens Delivered - 2368	35 3500K* *(Not available for 97+ CRI)	25 25° (<10)						
						97S28B 97+ CRI, 28 Watts Lumens Delivered - 2079	40 4000K	40 40° (<10)						
						 WARM DIM		20 20° (<10)						
						90W18A 90+ CRI, 18 Watts Incandescent Profile Lumens Delivered - 1140	WL 2700K - 1800K	25 25° (<10)						
						Halogen Profile Lumens Delivered - 1128	WD 3000K - 1800K	40 40° (<10)						
						SEE PAGE 3 FOR WARM DIM PROFILE COMPARISON.		60 60° (<13)						
						 REMOTE TUNABLE WHITE		15 15° (<13)						
						90T28A 90+ CRI, 28W Cool Profile: 5000K - 2700K Lumens Delivered - 1977	TH 5000K - 2700K	20 20° (<13)						
						Warm Profile: 4000K - 1800K Lumens Delivered. - 1995	TR 4000K - 1800K	25 25° (<13)						
								40 40° (<13)						
								60 60° (<16)						

PART NUMBER NOTES

- CM2 ships as e.g., CM224HS1WHBKWH90S11*3040IE*4E
- Remote driver ships as e.g., PS-RMT-90S-28B-IG*

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FINISHES

POWDERCOAT FINISHES

					
(WH) White	(BK) Black	(AB) Architectural Bronze	(AG) Satin Silver	(BB) Burnt Bronze	(AU) Cashmere Gold

ALUMINA FINISHES BY LUCIFER LIGHTING™

				
(01) Brushed Obsidian	(03) Brushed Dark Patinated Bronze	(05) Brushed Aged Aluminum	(07) Brushed Cast Brass	(09) Brushed Light Patinated Bronze
				
(02) Matte Obsidian	(04) Matte Dark Patinated Bronze	(06) Matte Aged Aluminum	(08) Matte Cast Brass	(10) Matte Light Patinated Bronze

ACCESSORIES

REPLACEMENT MEDIA

☐ **HCL-CT2** Honeycomb Louver*
*(Not available for Warm Dim)

☐ **CGL-CT2** Clear Glass Lens*
*(Not available for Warm Dim)

☐ **SFL-CT2** Soft Focus Lens

☐ **FGL-CT2** Frosted Glass Lens

☐ **FSFL-CT2** Frosted Soft Focus Lens

☐ **FLSL-CT2** Frosted Linear Spread Lens

SECOND MEDIA GASKET

Replaces standard gasket when installing second media. Not required if two media are specified with fixture.

☐ **2EDG-CT2** Two Media Gasket

REPLACEMENT OPTICS

Interchangeable optics accessible by removing baffle.

Static White		Warm Dim		Tunable White	
<input type="checkbox"/> RO-70-15-S	15° optic	<input type="checkbox"/> RO-70-20-W	20° optic	<input type="checkbox"/> RO-70-15-T	15° optic
<input type="checkbox"/> RO-70-20-S	20° optic	<input type="checkbox"/> RO-70-25-W	25° optic	<input type="checkbox"/> RO-70-20-T	20° optic
<input type="checkbox"/> RO-70-25-S	25° optic	<input type="checkbox"/> RO-70-40-W	40° optic	<input type="checkbox"/> RO-70-25-T	25° optic
<input type="checkbox"/> RO-70-40-S	40° optic	<input type="checkbox"/> RO-70-60-W	60° optic	<input type="checkbox"/> RO-70-40-T	40° optic
<input type="checkbox"/> RO-70-60-S	60° optic			<input type="checkbox"/> RO-70-60-T	60° optic

MONOPOINT INTERNATIONAL CM2 HANG STRAIGHT

PERFORMANCE - 3000K

LUMEN PACKAGE	WATTAGE	10° OPTIC		15° OPTIC		20° OPTIC		25° OPTIC		40° OPTIC		60° OPTIC	
		NO SOFT FOCUS LENS		SOFT FOCUS LENS		SOFT FOCUS LENS		SOFT FOCUS LENS		SOFT FOCUS LENS		SOFT FOCUS LENS	
		DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW	DELIVERED	LPW
80S11A	11	1022	93	1143	104	1216	111	1202	109	1124	102	949	86
80S17A	17	1382	81	1750	103	1843	108	1823	107	1690	99	1440	85
80S28B	28	-	-	2571	92	2756	98	2694	96	2529	90	2072	74
90S11A	11	881	80	982	89	1045	95	1033	94	966	88	815	74
90S17A	17	1191	70	1503	88	1583	91	1566	92	1452	85	1237	73
90S28B	28	-	-	2209	79	2368	85	2314	83	2193	78	1780	64
97S11A	11	760	69	862	78	918	83	907	82	848	77	716	65
97S17A	17	1028	60	1320	78	1390	82	1375	81	1275	75	1086	64
97S28B	28	-	-	1939	69	2079	74	2032	73	1908	68	1563	56
90W18A (2700K-1800K)	18	-	-	-	-	1140	63	1128	63	1044	58	915	51
90W18A (3000K-1800K)	18	-	-	-	-	1128	63	1126	63	1063	59	926	51
90T28A (4000K-1800K)	28	-	-	1972	70	1995	71	1971	70	1837	66	1655	59
90T28A (5000K-2700K)	28	-	-	1954	70	1977	71	1953	70	1820	65	1640	59

Part L 75+ LPW configurations comply with residential Part L
95+ LPW configurations comply with commercial Part L

UNIFIED GLARE RATING

10° OPTIC NO LENS	15° OPTIC SOFT FOCUS LENS	20° OPTIC SOFT FOCUS LENS	25° OPTIC SOFT FOCUS LENS	40° OPTIC SOFT FOCUS LENS	60° OPTIC SOFT FOCUS LENS
>19	<13	<13	<13	<13	<16

MEDIA LIGHT LOSS MULTIPLIER

MEDIA	LIGHT LOSS FACTOR
No Lens	1.05
CGL	0.97
SFL	1.00
FGL	0.85
FSFL	0.82
FLSL	0.78
HCL	0.75
SFL W/ HCL	0.68
FGL W/ HCL	0.47

OUTPUT MULTIPLIER

CCT	CCT SCALE
2400K	0.85
2700K	0.97
3000K	1.000
3500K	1.03
4000K	1.08

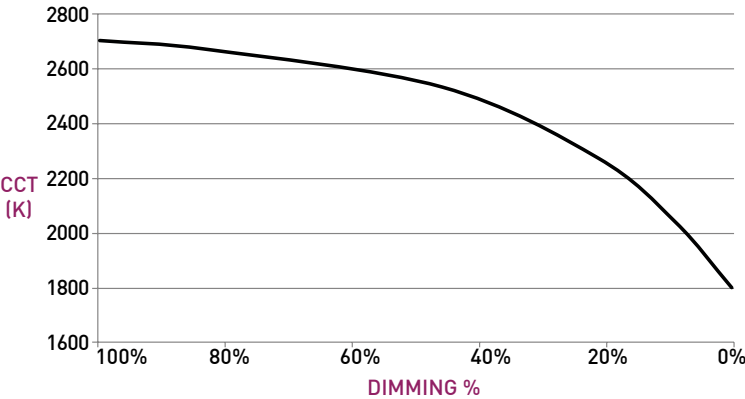
TUNABLE WHITE MULTIPLIER

CCT	5000K-2700K	4000K-1800K
5000K	1.16	-
4000K	1.08	1.14
3500K	1.04	1.07
3000K	1.00	1.00
2700K	0.96	0.92
2400K	-	0.84
1800K	-	0.69

WARM DIM PERFORMANCE - SOFT FOCUS LENS - 20° OPTIC

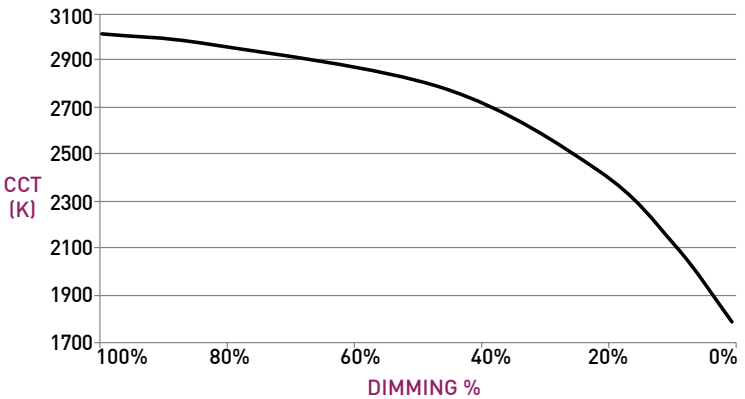
INCANDESCENT DIMMING PROFILE

90W18AL 2700K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	2700	2650	2620	2520	2180	1950	1800
Light Output (Lm)	1128	902	790	564	226	113	23
Power (W)	18	14.4	12.6	9	3.6	1.8	0.36
Efficacy (LPW)	63	63	63	63	63	63	63



HALOGEN WARM DIM PROFILE

90W18AD 3000K - 1800K	Full on 100%	Dimmed to 80%	Dimmed to 70%	Dimmed to 50%	Dimmed to 20%	Dimmed to 10%	Dimmed to 2%
CCT (K)	3000	2950	2920	2775	2375	2000	1800
Light Output (Lm)	1140	912	798	570	228	114	23
Power (W)	18	14.4	12.6	9	3.6	1.8	0.36
Efficacy (LPW)	62	62	62	62	62	62	62



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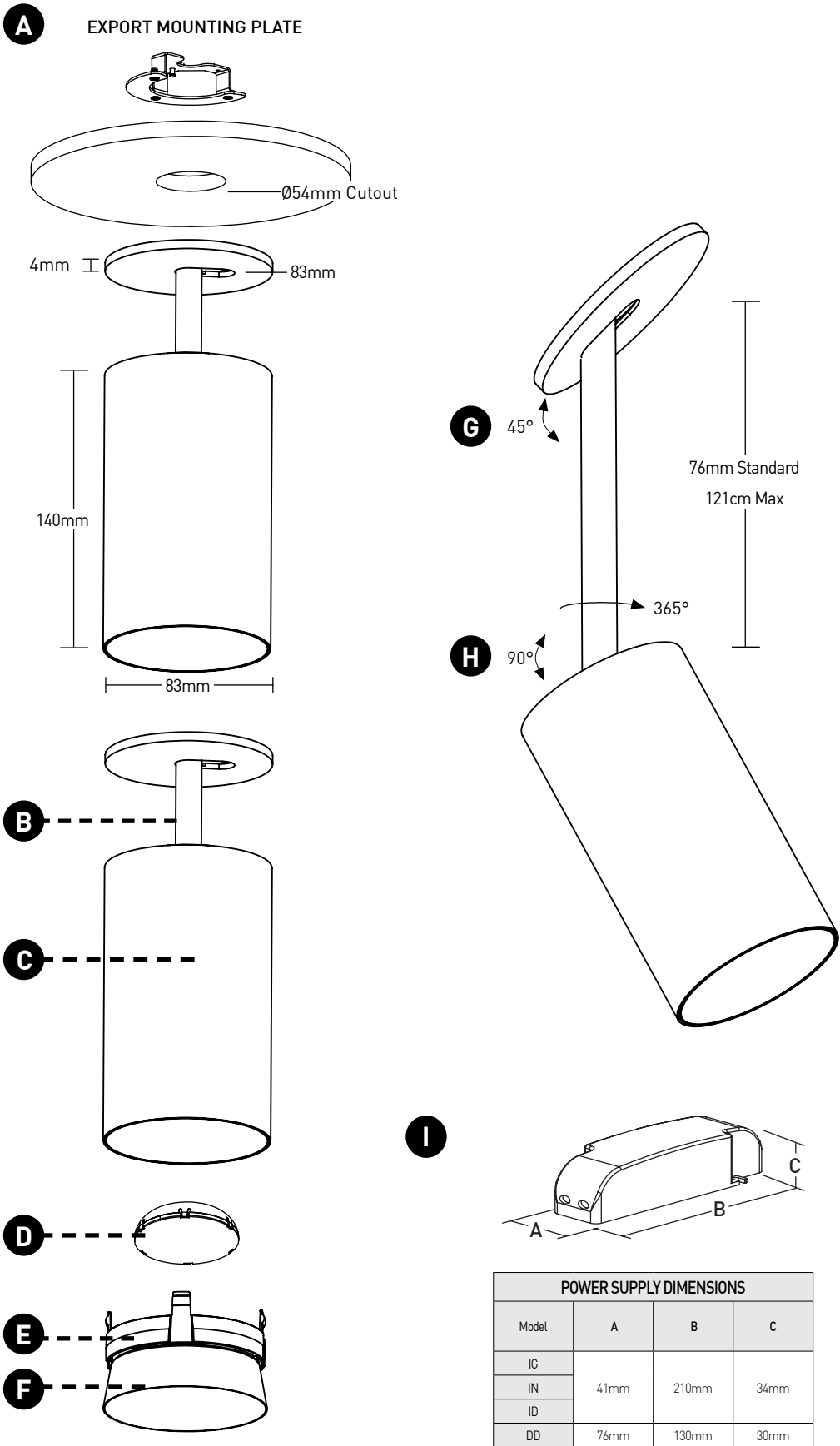
MONOPOINT

- A EXPORT MOUNTING PLATE**
Export mounting plate (concealed) to be installed above ceiling substrate. Features minimalist 83mm diameter canopy.
- B STEM**
Standard length is 3", also available in 24" and 48" lengths. All lengths excepts 3" are field cuttable. Powdercoat finishes standard, consult factory for Alumina finishes.
- C BODY**
Available in powdercoat and Alumina finishes. Power supply integrated into fixture body.
- D OPTICS**
Robust light engine with optimized optic pairing integrates Reflection, Refraction, and TIR offering 10°, 15°, 20°, 25°, 40° & 60° beams.
- E MEDIA**
Accepts 2 media; Soft Focus Lens standard.
- F BAFFLE**
Baffle minimizes aperture glare and conceals view into fixture. Powdercoat finishes standard, consult factory for Alumina finishes.
- G HANG STRAIGHT CANOPY**
Features hidden ball joint that accomodates installations on up to 12/12 (45°) sloped ceilings.
- H ADJUSTABILITY**
Features locking 90° tilt and 365° rotation. Stem features 45° tilt to accommodate up to 12/12 slopes.

REMOTE POWER SUPPLY

- I Remote power supply provides additional driver options.** See page 5 for maximum allowable wiring distance. Must be installed in an accessible location.

DIMENSIONS / DRAWINGS



MONOPOINT INTERNATIONAL CM2 HANG STRAIGHT

TECHNICAL

CONSTRUCTION

Monopoint: Machined aluminum body; painted finishes are granulated powder coat; Alumina finishes are anodized aluminum.

STATIC WHITE LED

2-step MacAdam ellipse LED module available in 80+, 90+ and 97+ CRI configurations in color temperatures of 2700K, 3000K, 3500K and 4000K.
3-step MacAdam ellipse LED module available in 90+ CRI configurations in color temperature of 2400K. Average rated lamp life of 50,000 hours.

WARM DIM LED

3-step MacAdam ellipse warm dim LED module available in 90+ CRI configuration. 3000K or 2700K at full brightness, warming to 1800K at full dim. Average rated lamp life of 50,000 hours.

TUNABLE WHITE LED

3-step MacAdam ellipse tunable white LED module available in 90+ CRI configuration. Features tuning ranges of 1800K to 4000K and 2700K to 5000K. Average rated lamp life of 50,000 hours.

POWER SUPPLY PERFORMANCE AND DIMMING INFORMATION

	PHASE	0-10V		DALI	
Power Supply	IE	IG	IN	ID	DD
Minimum °C	-20 °C	-20 °C	-20 °C	-20 °C	-20 °C
Maximum °C	40 °C	40 °C	40 °C	40 °C	40 °C
Dimming %	2.0%	0.1%	0.1%	0.1%	0.1%

Note: For IG and IN drivers consult chart on page 6 to confirm appropriate dimming curve for compatibility with selected control.

MAXIMUM ALLOWABLE REMOTE DRIVER WIRING DISTANCES

	WIRE AWG				
DRIVER	12	14	16	18	20
IG, IN, ID, DD	-	-	118'	72'	46'

LISTING

Monopoints and drivers CE Listed for Dry / Damp locations.
Integral drivers ENEC and CB Listed.

DECLARE

LBC Red List Approved.

PART L

Part L compliant for all 75+ LPW residential and 95+ LPW commercial configurations.

LIMITED WARRANTY

Manufacturer's Limited Warranty guarantees product(s) listed to be free from defects in material and workmanship under normal use and service for 1-year. LED and power supplies are warranted to operate with 70% of original flux and remain within a range of 3 duv for a period of 5-years. Warranty period begins from the date of shipment by Seller. [Consult website for full warranty terms and conditions.](#)

CHANGE LOG

- 1.02/13/2024: ADDED TUNABLE WHITE OFFERING.
- 2.2/15/2024: PART L COMPLIANCE ADDED

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DIMMING COMPATABILITY

eldoLED DRIVER COMPATIBILITY

Power supply IG Manufacturer	Family/Model #
Busch-Jaeger	2112U-101
Jung	240-10
Leviton Lighting Controls	IP710-DLX
Lightolier Controls	ZP600FAM120
Merten	5729
Pass & Seymour	CD4FB-W
The Watt Stopper	DCLV1
Synergy	ISD BC
Crestron®	GLX-DIMFLV8
Crestron®	GLXP-DIMFLV8
Crestron®	GLPAC-DIMFLV4-*
Crestron®	GLPAC-DIMFLV8-*
Crestron®	GLPP-DIMFLVEX-PM
Crestron®	GLPP-1DIMFLV2EX-PM
Crestron®	GLPP-1DIMFLV3EX-PM
Crestron®	DIN-A08
Crestron®	DIN-4DIMFLV4
Crestron®	CLS-EXP-DIMFLV
Crestron®	CLCI-1DIMFLV2EX
Power supply IN Manufacturer	Family/Model #
Lutron Electronics	Nova T® - NTFTV
Lutron Electronics	Diva® - DVTV
Lutron Electronics	Nova® - NFTV
Lutron Electronics	GrafixEye® GRX-TVI w GRX3503
Lutron Electronics	Energy Savr Node™ - QSN-4T16-S
Lutron Electronics	TVM2 Module
Sensor Switch	nIO EZ
ABB	SD/S 2.16.1