



Medium Adjustable Accent

## CARDAN Medium

### Adjustable Accent

- Highly flexible recessed ceiling luminaire for classic cardanic lighting
- Multifunctional lamp unit rotatable (360°) and tiltable (+30°)
- Simple, tool-free mounting of modules in installation frame/ring (single, double or triple) via locking mechanism

IBEW UNION MADE

DELIVERED LUMENS	WATTS / IC RATING	COLOR TEMPERATURE	COLOR RENDERING
1320 lm – 1450 lm	14 W-IL	3000 K, 3500 K, 4000 K	CRI 90+
1320 lm – 1450 lm	16 W-NL	Tunable White (2700 K – 6500 K)	
2100 lm – 2300 lm	24 W-NH	(MacAdam 3-Step)	



## Order Code

CARM	2	3	4	5	6	7	8	9	10
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1	FIXTURE	<b>CARM</b> CARDAN Medium
2	NUMBER OF HEADS	<b>1</b> One   <b>2</b> Two   <b>3</b> Three
3	SHAPE	<b>S</b> Square   <b>R</b> Round <sup>1</sup>
4	DISTRIBUTION <sup>2</sup>	<b>FL</b> Flood   <b>SP</b> Spot   <b>WF</b> Wide Flood
5	OUTPUT	<b>NH</b> Non-IC Rated – High Output <sup>3</sup>   <b>NL</b> Non-IC Rated – Low Output <sup>3</sup>   <b>IL</b> IC Rated – Low Output
6	SWITCHING	<b>C</b> Single Switched <sup>4</sup>   <b>S</b> Separate Switched
7	CRI/CCT	<b>930</b> 30CRI 3000K   <b>935</b> 90CRI 3500K   <b>940</b> 90CRI 4000K   <b>900</b> Tunable White <sup>5,6</sup>
8	DRIVER	<b>U</b> 0-10V   <b>D</b> DALI   <b>H</b> Lutron   <b>W</b> Wireless   <b>C</b> 0-10V, 347V
9	HEAD COLOR	<b>BK</b> Black   <b>SR</b> Silver Matte   <b>WH</b> White
10	OPTIONS	<b>01</b> 120V <sup>7</sup>   <b>02</b> 277 <sup>7</sup>   <b>0B</b> Battery IC <sup>8</sup>   <b>1B</b> Battery 120V   <b>2B</b> Battery 277V

1 Single head only.

2 Contact factory for multiple distribution options within multiple head unit.

3 Select voltage.

4 Single Switched, multiple head fixtures are not available with Tunable White, Lutron or in 347V options.

5 Lutron option not available.

6 347V option not available.

7 Non-IC rated units only.

8 IC rated units only.

11084747 CARDAN M Single HB Assembly

11084748 CARDAN M Double HB Assembly

11085308 CARDAN M Triple HB Assembly

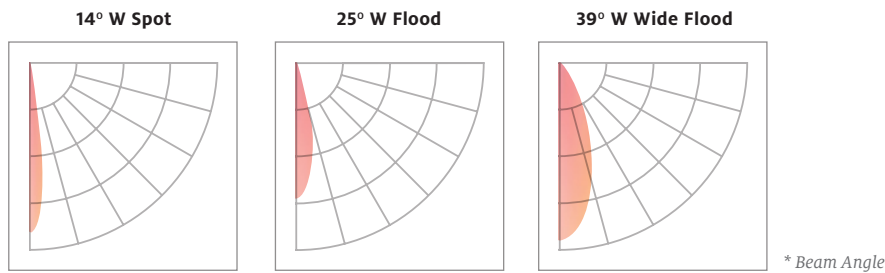
### REQUIRED HANGER BARS FOR TGRID INSTALLATION

<b>11084747</b>	CARDAN M Single HB Assembly
<b>11084748</b>	CARDAN M Double HB Assembly
<b>11085308</b>	CARDAN M Triple HB Assembly

PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION
<b>60800854</b>	Ancillary Tool for Disassembly	<b>60800853</b>	Oval Outline Lens
<b>60800856</b>	Telescopic Attachment Ring M for Spotlight Head Adjustment	<b>60800845</b>	Soft Outline Lens
<b>60800843</b>	Film with Wideflood Distribution Characteristic (54")	<b>60800842</b>	Anti-glare Cylinder, Black
<b>60800852</b>	Honeycomb Louver, Black	<b>60800857</b>	Bending Optic
<b>60800841</b>	Glass Attachment (IP54), Black Ring <sup>1</sup>	<b>60800849</b>	Vertical Optic
<b>60800864</b>	Glass Attachment (IP54), Matte Silver Ring <sup>1</sup>	<b>60800844</b>	Protective Glass
<b>60800840</b>	Glass Attachment (IP54), White Ring <sup>1</sup>		

1 If cover glass is used, the luminaire can no longer be tilted.

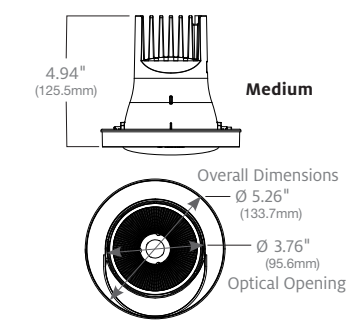
Light Distribution\*



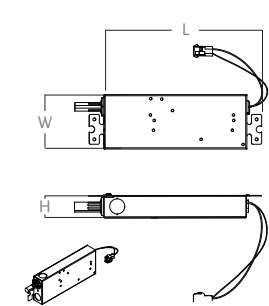
Lumen Ranges

	NH LUMENS		IL LUMENS		NL LUMENS	
	Spot, Flood and Wide Flood Distributions	Wattage	Spot, Flood and Wide Flood Distributions	Wattage	Spot, Flood and Wide Flood Distributions	Wattage
930	2100 lm	24	1320 lm	14	1320 lm	16
935	2200 lm	24	1385 lm	14	1385 lm	16
940	2300 lm	24	1450 lm	14	1450 lm	16

Dimensions



Driver Box



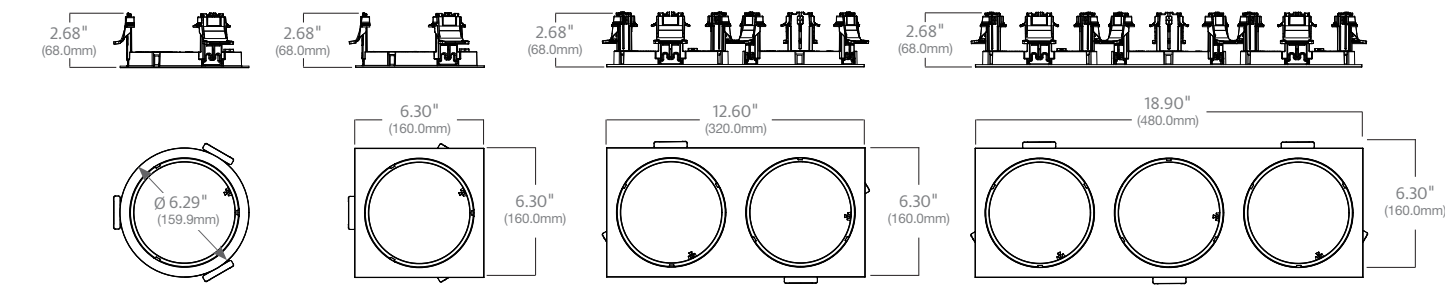
Driver Box

Size	Driver Box Size	Plenum Height	
M	LW	5.12"	
M	HW	8.50"	
Size	L	W	H
LW	10.81"	3.15"	1.30"
HW	13.71"	3.54"	1.30"
EM	10.81"	3.15"	1.30"

CARDAN Medium Apertur Driver Box Configuration

# of Heads	1	2	3
Constant	L x1	LWx1	HWx1
Separate Switch	N/A	LWx2	LWx3
EM Constant	EMx1 & LWx1	EMx1 & LWx1	EMx1 & HWx1
EM Separate Switch	N/A	EMx1 & LWx1	EMx1 & HWx1

Frame Dimensions



Technical Detail

**1) Driver Box:** 20 gauge galvanized steel. For T-grid ceiling applications, driver module mounts directly on grid. For inaccessible ceiling applications, the driver box is slim and it is inserted through the ceiling cut-out.

**2) Wattage & CCT:** Unit is available in 14 W, 16 W, or 24 W and in MacAdam 3-step 3000 K, 3500 K, 4000 K, and Tunable White (2700 K–6500 K.) Available in 90+ CRI. Color rendering index: Ra > 90.

**3) Dimming:** The unit is available with standard 0-10V dimming driver (1%), Lutron LDE1 Hi-lume 1%

digital EcoSystem with SoftOn/FadeToBlack, and DALI Type 8 dimming driver (1%), consult factory for other options. For non-dimming installations, the standard 0-10V dimming driver will be provided, and the dimming control wires can be capped off at installation.

Tridonic Wireless option is available, it is a Bluetooth Wireless controller that can be controlled using the 4remote BT app or Bluetooth switches.

**4) Trim & Reflector:** Specular reflector of aluminized PC, highly specular, iridescence-free.

**5) Light Engine Mounting:** Three adjustable clamps are provided for each fixture head in the frame, fixture head clicks into frame.

**6) Standby Battery Pack:** An Optional EM is available in 6 W.

**7) Life:** 50,000 hours rated life. L85.

**8) Weight:** CARDAN Fixture 1.70 lbs., Small Driver Box 1.50 lbs., Large Driver Box 3.00 lbs., EM Battery Pack 1.50 lbs.