

INSTALLATION INSTRUCTION of LED BOLLARD LIGHT				EDITION:	ED2022YA																																																																																																														
ITEM:	ERMA-MCA250A	FIXTURE:	PSA-L1000	FIXING:	FNE-L125																																																																																																														
<div><div>INTRODUCTI ON</div><div><div><div>!</div><div>CAUTION</div></div><div><div>1. Basic safety precautions should always be followed: READ AND FOLLOW ALL SAFETY INSTRUCTIONS.</div><div>2. Should be installed by authorized person. And Servicing of this equipment should be performed by qualified personnel.</div><div>3. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.</div><div>4. FOLLOW ANY SPECIFIC INSTRUCTIONS ON LUMINAIRE LABELS.</div><div>5. Before starting of installation please read this INSTRUCTION carefully and keeps it well.</div><div>6. Do not mount near heaters or hot surfaces.</div><div>7. Should be mounted in locations where it will not be readily subject to tampering by unauthorized personnel.</div><div>8. The use of accessory equipment is not recommended by the manufacturer as it may cause an unsafe condition.</div><div>9. Do not use this equipment for other than its intended purpose.</div><div>10. If there is any broken, please should not use it.</div><div>11. MIN 60°C SUPPLY CONDUCTORS.</div><div>12. WARNING: LEDs are high quality electrical components. Please avoid touching them directly during installation.</div></div></div><div><div>Housing: Aluminum Housing, Glass Diffuser.</div><div>Electrical: LED color temperature is white/red/green/blue/white. Inner housing pre-wired with waterproof junction box.</div><div>Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of "GUBO". For the most current technical data, please refer to "GUBO".</div><div>Finish: Silver or Black or White. Custom colors are available.</div><div>CSA certified to U.S. and Canadian standards, suitable for Wet locations. Protection class IP65.</div></div></div>																																																																																																																			
<div><div>Tools Required:</div><div>Drilling Machine</div><div>Screwdriver</div><div>Hex Key</div><div>Wrench</div></div> <div><div>SPECIFICATION SHEET: Specify the item number from the label/mark on the product.</div><div>"T": The column 'T' in this chart indicates the temperature in degrees Celsius which is reached on the center of the surface during operation.</div><div>"D": The column 'D' in this chart indicates the dimming type</div><div>"PC": The column 'PC' in this chart indicates the number of conductor of Flexible Cords for Power Supply.</div><div>"PC-DIA": The column 'PC-DIA' in this chart indicates the range of the outer diameter of Cable for Power Supply.</div><div>"PD": The column 'PD' in this chart indicates the number of conductor of Flexible Cords for Dimming Signal.</div><div>"PD-DIA": The column 'PD-DIA' in this chart indicates the range of the outer diameter of Cable for Dimming Signal.</div></div>																																																																																																																			
Weight: 6.5kgs(14.3lbs)	<table><thead><tr><th>NO.</th><th>ITEM</th><th>LED</th><th>INPUT</th><th>D</th><th>T</th><th>PC</th><th>PC-DIA</th><th>PD</th><th>PD-DIA</th></tr></thead><tbody><tr><td>1.</td><td>ERMA-MCA250A-40W-3000K-CDN</td><td>35W, 3000K</td><td>AC100~277V,40W</td><td>NON</td><td>48°C</td><td>3C</td><td>5~9mm</td><td>NON</td><td>/</td></tr><tr><td>2.</td><td>ERMA-MCA250A-40W-3500K-CDN</td><td>35W, 3500K</td><td>AC100~277V,40W</td><td>NON</td><td>48°C</td><td>3C</td><td>5~9mm</td><td>NON</td><td>/</td></tr><tr><td>3.</td><td>ERMA-MCA250A-40W-4000K-CDB</td><td>35W, 4000K</td><td>AC100~277V,40W</td><td>NON</td><td>48°C</td><td>3C</td><td>5~9mm</td><td>NON</td><td>/</td></tr><tr><td>4.</td><td>ERMA-MCA250A-40W-3000K-CDT</td><td>35W, 3000K</td><td>AC100~277V,40W</td><td>TRIAC</td><td>48°C</td><td>3C</td><td>5~9mm</td><td>NON</td><td>/</td></tr><tr><td>5.</td><td>ERMA-MCA250A-40W-3000K-CDV</td><td>35W, 3000K</td><td>AC100~277V,40W</td><td>0~10V</td><td>48°C</td><td>3C</td><td>5~9mm</td><td>2C</td><td>5~9mm</td></tr><tr><td>6.</td><td>ERMA-MCA250A-40W-3000K-CDA</td><td>35W, 3000K</td><td>AC100~277V,40W</td><td>DALI</td><td>48°C</td><td>3C</td><td>5~9mm</td><td>2C</td><td>5~9mm</td></tr><tr><td>7.</td><td>ERMA-MCA250A-40W-TWG-CDP</td><td>2C@35W</td><td>CV DC24V, 40W</td><td>PWM</td><td>53°C</td><td>3C</td><td>5~9mm</td><td>NON</td><td>/</td></tr><tr><td>8.</td><td>ERMA-MCA250A-40W-RGBW-CDP</td><td>4C@35W</td><td>CV DC24V, 40W</td><td>PWM</td><td>53°C</td><td>5C</td><td>5~9mm</td><td>NON</td><td>/</td></tr><tr><td>9.</td><td>ERMA-MCA250A-40W-TWG-CDX</td><td>2C@35W</td><td>CV DC24V, 40W</td><td>DMX512</td><td>53°C</td><td>3C</td><td>5~9mm</td><td>3C</td><td>5~9mm</td></tr><tr><td>10.</td><td>ERMA-MCA250A-40W-RGBW-CDX</td><td>4C@35W</td><td>CV DC24V, 40W</td><td>DMX512</td><td>53°C</td><td>3C</td><td>5~9mm</td><td>3C</td><td>5~9mm</td></tr></tbody></table>					NO.	ITEM	LED	INPUT	D	T	PC	PC-DIA	PD	PD-DIA	1.	ERMA-MCA250A-40W-3000K-CDN	35W, 3000K	AC100~277V,40W	NON	48°C	3C	5~9mm	NON	/	2.	ERMA-MCA250A-40W-3500K-CDN	35W, 3500K	AC100~277V,40W	NON	48°C	3C	5~9mm	NON	/	3.	ERMA-MCA250A-40W-4000K-CDB	35W, 4000K	AC100~277V,40W	NON	48°C	3C	5~9mm	NON	/	4.	ERMA-MCA250A-40W-3000K-CDT	35W, 3000K	AC100~277V,40W	TRIAC	48°C	3C	5~9mm	NON	/	5.	ERMA-MCA250A-40W-3000K-CDV	35W, 3000K	AC100~277V,40W	0~10V	48°C	3C	5~9mm	2C	5~9mm	6.	ERMA-MCA250A-40W-3000K-CDA	35W, 3000K	AC100~277V,40W	DALI	48°C	3C	5~9mm	2C	5~9mm	7.	ERMA-MCA250A-40W-TWG-CDP	2C@35W	CV DC24V, 40W	PWM	53°C	3C	5~9mm	NON	/	8.	ERMA-MCA250A-40W-RGBW-CDP	4C@35W	CV DC24V, 40W	PWM	53°C	5C	5~9mm	NON	/	9.	ERMA-MCA250A-40W-TWG-CDX	2C@35W	CV DC24V, 40W	DMX512	53°C	3C	5~9mm	3C	5~9mm	10.	ERMA-MCA250A-40W-RGBW-CDX	4C@35W	CV DC24V, 40W	DMX512	53°C	3C	5~9mm	3C	5~9mm
NO.	ITEM	LED	INPUT	D	T	PC	PC-DIA	PD	PD-DIA																																																																																																										
1.	ERMA-MCA250A-40W-3000K-CDN	35W, 3000K	AC100~277V,40W	NON	48°C	3C	5~9mm	NON	/																																																																																																										
2.	ERMA-MCA250A-40W-3500K-CDN	35W, 3500K	AC100~277V,40W	NON	48°C	3C	5~9mm	NON	/																																																																																																										
3.	ERMA-MCA250A-40W-4000K-CDB	35W, 4000K	AC100~277V,40W	NON	48°C	3C	5~9mm	NON	/																																																																																																										
4.	ERMA-MCA250A-40W-3000K-CDT	35W, 3000K	AC100~277V,40W	TRIAC	48°C	3C	5~9mm	NON	/																																																																																																										
5.	ERMA-MCA250A-40W-3000K-CDV	35W, 3000K	AC100~277V,40W	0~10V	48°C	3C	5~9mm	2C	5~9mm																																																																																																										
6.	ERMA-MCA250A-40W-3000K-CDA	35W, 3000K	AC100~277V,40W	DALI	48°C	3C	5~9mm	2C	5~9mm																																																																																																										
7.	ERMA-MCA250A-40W-TWG-CDP	2C@35W	CV DC24V, 40W	PWM	53°C	3C	5~9mm	NON	/																																																																																																										
8.	ERMA-MCA250A-40W-RGBW-CDP	4C@35W	CV DC24V, 40W	PWM	53°C	5C	5~9mm	NON	/																																																																																																										
9.	ERMA-MCA250A-40W-TWG-CDX	2C@35W	CV DC24V, 40W	DMX512	53°C	3C	5~9mm	3C	5~9mm																																																																																																										
10.	ERMA-MCA250A-40W-RGBW-CDX	4C@35W	CV DC24V, 40W	DMX512	53°C	3C	5~9mm	3C	5~9mm																																																																																																										
IP65 IK08	<div><div>ETL</div><div>US</div></div>																																																																																																																		
<div><div>Installation:</div><div>1. Construction requirements: Provide a minimum 5" Cement solid ground or wall. NOTE: Put the power cord in the installation position. Cores number and cable diameter as the list in "Specification sheet". NOTE: The required length of power wire is minimum 250mm/10" (Figure 2).</div><div>2. Disassemble the luminaire body (Figur.3). Loosen six hex bolt by 3mm spanner, then remove the [FLANGE] and [CON].</div><div>3. Installation on Solid Surface Drill three Φ10x125mm holes according the drawing (Figur.4). Insert M8x150mm expansion bolt into the hole (Fig.4).</div><div>4. Fix the [FLANGE]: Fix the flange by three M8 nuts. (Fig.5) NOTE: Put the power wire through the holder.</div><div>5. Connect the cables of luminaire to waterproof wiring box. (Fig.6) Make supply wiring and cable connections inside waterproof wiring box [CON]. NOTE: Follow the signs to identify the wires on the lamp. NOTE: Tighten the cable gland and fix the cover by three screws(Fig.6)</div><div>5.1) INPUT AC100~277V POWER: MAIN VOLTAGE SUPPLY WIRE: BLACK or BROWN LUMINAIRE WIRE NEUTRAL (COMMON) SUPPLY WIRE: WHITE or BLUE LUMINAIRE WIRE GREEN GROUND WIRE: GREEN/YELLOW LUMINAIRE WIRE 0/1-10V Dimming (if applicable): DIMMING CONTROL WIRE (+) TO POSITIVE DRIVER DIM CONTROL WIRE DIMMING CONTROL WIRE (-) TO NEGATIVE DRIVER DIM CONTROL WIRE</div><div>5.2)INPUT DC24V POWER and DMX512 Signal: POSITIVE DRIVER WIRE (+): RED WIRE NEGATIVE DRIVER WIRE (-): BLACK WIRE DMX512 Dimming Signal: DIMMING SIGNAL CONTROL WIRE (+) : PURPLE WIRE DIMMING SIGNAL CONTROL WIRE (-) : BLACK WIRE DIMMING SIGNAL CONTROL WIRE (GND): YELLOW/GREEN WIRE</div><div>5.3)INPUT DC24V POWER and RGBW(+): POSITIVE DRIVER WIRE (+): BLACK. RED LED WIRE (-): RED WIRE. GREEN LED WIRE (-): GREEN WIRE. BLUE LED WIRE (-): BLUE WIRE. WHITE LED WIRE (-): YELLOW WIRE or WHITE WIRE.</div><div>6. Fix the bollard by six hex bolt by 3mm spanner onto the [FLANGE]. (Fig.7)</div></div> <div><div><div><div>DIMENSION: [ UNIT: MM ]</div><div><div><div>30/1.2"</div><div>Φ250/9.84"</div><div>Φ95/3.74"</div><div>L1000/39.4"</div><div>[FLANGE] [CUSTOM] T10/0.4"</div><div>[FNE] L125/5"</div></div><div>Fig.1</div></div></div><div><div><div>M6</div><div>3</div><div>[MCA]</div><div>[PSA]</div><div>[DRIVER]</div><div>[CON]</div><div>[FLANGE]</div></div><div>Fig.2</div></div><div><div><div>L250/10"</div><div>≥150/6"</div></div><div>Fig.3</div></div><div><div><div>Φ95</div><div>Φ56</div><div>Φ30</div><div>120°</div><div>3-Φ10x20</div></div><div>Fig.4</div></div><div><div><div>Fig.5</div></div></div><div><div><div>Fig.6</div></div><div><div>Fig.6</div></div><div><div>Fig.7</div></div></div></div></div>																																																																																																																			