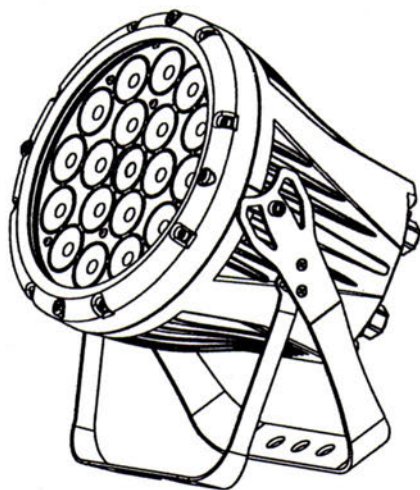


Color Tropper SH-360

USER MANUAL



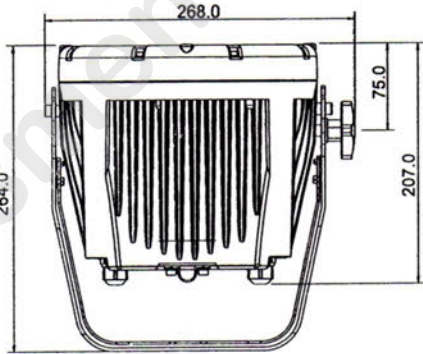
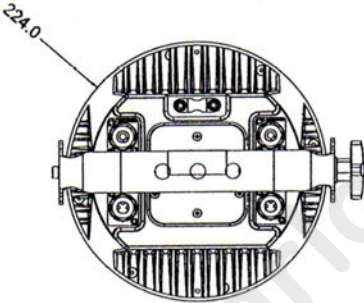
SHOWCO

1 PRODUCT (GENERAL)

1.1 TECHNICAL SPECIFICATIONS

LED MODULE

Type	Model	Voltage	Operation Temperature	Weight	Dimensions 2 (mm)	Power (W)	IP
I	RGBW:3Wx19	AC100~240V 50/60Hz	-20~45	6.2	268x224x264	70	
II	RGBW:3Wx19			6.2	268x224x264	70	66



1.2 SAFETY WARNING

IMPORTANT:

- This product must be installed by a qualified professional.
- All maintenance must be carried out by a qualified electrician.
- A minimum distance of 0.5m must be maintained between the equipment and a combustible surface.
- The product must always be operated in a well ventilated area.
- DO NOT stare directly into the LED light source.
- Always disconnect the power before carrying out any maintenance.
- The earth must always be connected to the ground.
- Ensure that all parts of the equipment are kept clean and free of dust.

2 INSTALLATION

2.1 MOUNTING

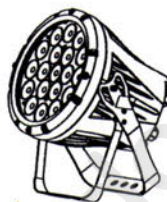
SINGLE FIXTURE RIGGING

The fixture can be mounted in any orientation.



UPRIGHT

The fixture can be mounted in an upright or sitting position using the supporting brackets.



NOTE

The LED MODULE can be mounted at any angle and in any position. It is possible to further adjust the angle of the LED MODULE using the two adjustment knobs located on the side of the fixture.

2.2 POWER CONNECTIONS

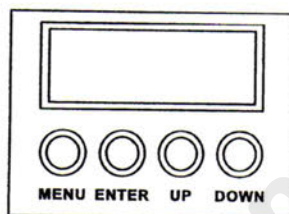
@ 220V: 20 units may be connected in series

@ 110V: 10 units may be connected in series

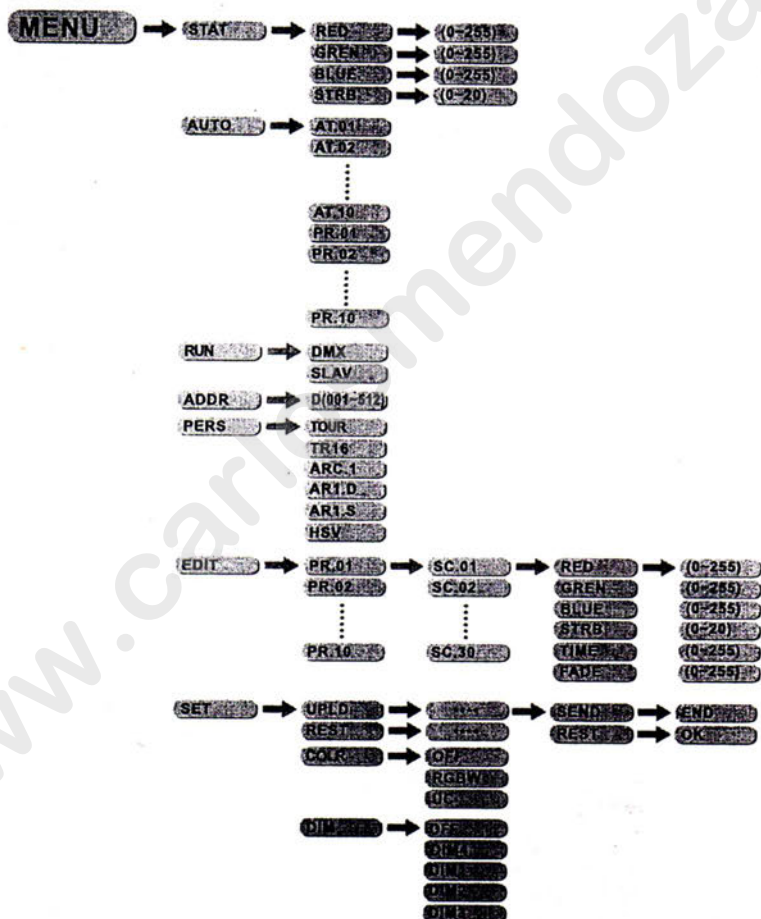
3 DISPLAY PANEL OPERATION

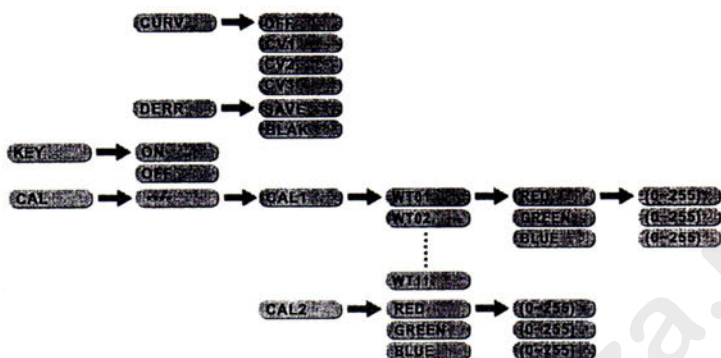
3.1 BASIC

- 【 MENU 】** Scroll through the main menu or exit from the current sub-menu
- 【 ENTER 】** enter the currently selected menu or confirm the current function value.
- 【 UP 】** scroll 'UP' through the menu list or increase the value of the current function.
- 【 DOWN 】** scroll 'DOWN' through the menu list or decrease the value of the current function.



3.2 MENU





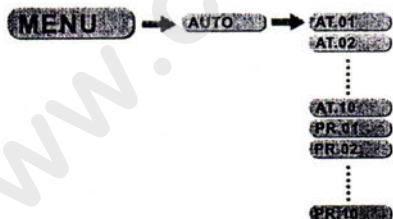
3.3 STATIC COLOR (STAT)



[STAT]...this function allows the user to create and edit static colors and strobe. Use the <UP> & <DOWN> keys to adjust the value as required.

- Combine **Red**, **Green** & **Blue** to create an infinite range of colors (0-255)
- Set the value of the **Strobe** (0-20Hz)

3.4 ACTIVATING AUTO PROGRAMS



- Select the target **AUTO** program and press **ENTER**.
- Programs **AT.01** to **AT.10** are fully pre-programmed and will not be altered by changes in **EDIT** mode.
- Programs **PR.01** to **PR.10** are fully pre-programmed and can be edited in **EDIT** mode.

3.5 RUN MODE



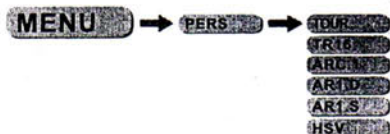
- Enter the **【RUN】** mode to set working mode.
- **【DMX】** mode is for using the DMX512 controller to control the fixtures.
- **【SLAV】** mode is for Master -- Slave operation.

3.6 DMX512 SETTINGS



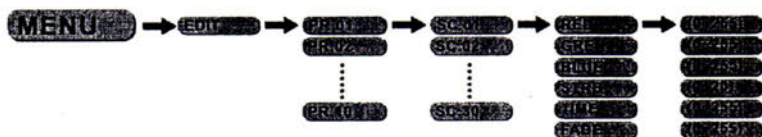
- Enter the **【DMX】** mode to set the DMX ADDRESS.

3.7 PERSONALITY



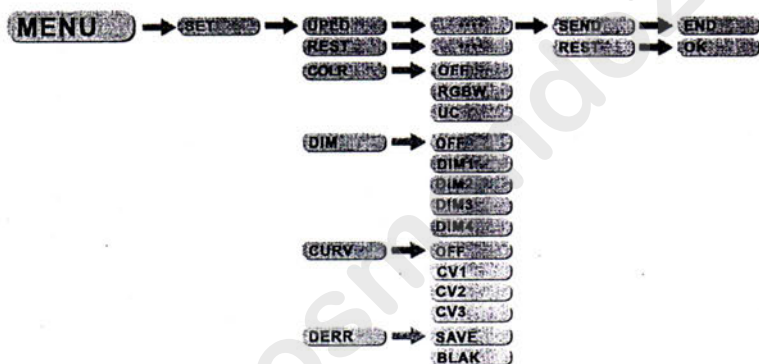
- Enter the **【PERSONALITY】** mode to select DMX mode: **【TOUR】**, **【TR16】**, **【Arc.1】**, **【Ar1.d】**, **【Ar1.s】** or **【HSV】**.

3.8 EDITING CUSTOM PROGRAMS



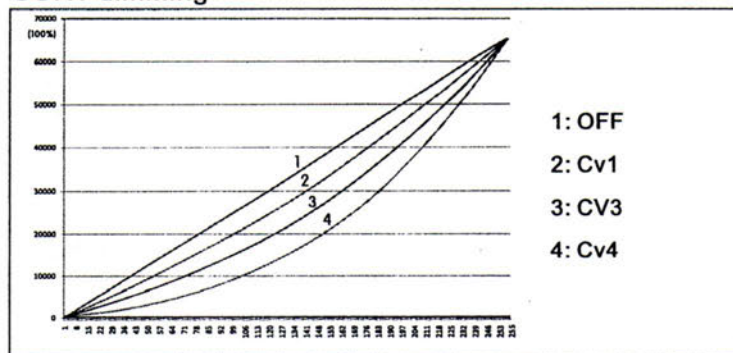
- Enter the **EDIT** mode to edit the custom programs **PR.01** to **PR.10**.
- Each custom program has 30 steps that can be edited.
- Each step allows the creation of a scene using **RED** **Red**, **GREEN** **Green**, **BLUE** **Blue**, **STROBE** **Strobe**, **TIME** **Time** & **FADE** **Fade**.

3.9 SPECIAL SETTINGS



- Select **UPLD** to upload the custom programs from the current **MASTER** unit to the **SLAVE** units.
- In order to reset custom modes to default values select **REST**.
- **COLR** is for activate/unactivate the color calibration functions. When **RGBW** is selected, on **RGB = 255,255,255**, the color is displayed as calibrated in **CAL2 -- RGBW**. When **COLR** is set **OFF**, on **RGB = 255,255,255**, the RGB values are not adjusted and the output is most powerful. When **UC** is selected, the RGB output are adjusted to a standard preset universal color which balances fixtures from different generations.
- Select **DIM1**, **DIM2**, **DIM3** or **DIM4** for different dimming speeds. (**DIM4** is the slowest dimming speed)
- **CURV** allows the user to adjust the shape of the dimming curve. See the **CURV** chart to understand more about actual dimming curves.
- **DERR** Choose **Save** in order to save the last **DMX** data in case of **DMX** signal error. Choose **Black** in order to blackout in case of **DMX** signal error.

CURV dimming

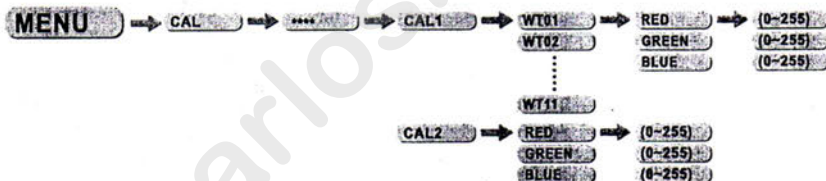


3.10 ACTIVATE THE PASSWORD



- **[SET]**...this menu allows the user to adjust key operation settings for this fixture.
- [KEY]**...select **[ON]** for automatic lock-out. Password to re-enter the display is **<UP> + <DOWN> + <UP> + <DOWN>**.

3.11 WHITES CALIBRATION



Press **[MENU]** button to enter the password confirmation, to enter the correct password **<UP + DOWN + UP + DOWN>**
 Key, press the **[MENU]** in, the correct password will enter show submenu

- Enter the **[CAL1]** to select white color of different color temperature.
- There are 11 pre-programmed White colors can be edited by using **[Red]**, **[Green]**, **[Blue]**
- Enter the **[CAL2]** to adjust the RGB parameter to make different whites.
- When the new setting is activated, the DMX controller choose RGB = 255,255,255, the white color will be made by the actual RGB values on the **[CAL2]**.

4 USING A DMX512 CONTROLLER

4.1 CHANNEL ASSIGNMENT

- Note: This product have six DMX512 channel configuration: TOUR / TR16 / ARC.1 / AR1.D / AR1.S / HSV

TOUR

CHANNEL	VALUE	FUNCTION
1	0 ⇔ 255	MASTER DIMMER
2	0 ⇔ 255	RED(outer)
3	0 ⇔ 255	GREEN(outer)
4	0 ⇔ 255	BLUE (outer)
5	0 ⇔ 255	RED(inside)
6	0 ⇔ 255	GREEN(inside)
7	0 ⇔ 255	BLUE(inside)
8	0 ⇔ 10	NO FUNCTION
	11 ⇔ 30	RED100%/GREENUP/BUE0%
	31 ⇔ 50	REDDOWN/GREEN100%/BLUE0%
	51 ⇔ 70	RED0%/GREEN100%/BLUEUP
	71 ⇔ 90	RED0%/GREENDOWN/BLUE100%
	91 ⇔ 110	REDUP/GREEN0%/BLUE100%
	111 ⇔ 130	RED100%/GREEN0%/BLUEDOWN
	131 ⇔ 150	RED100%/GREENUP/BUEUP
	151 ⇔ 170	REDDOWN/GREENDOWN/BLUE100%
	171 ⇔ 200	RED100%/GREEN100%/BLUE100%
	201 ⇔ 205	WHITE1: 3200K
	206 ⇔ 210	WHITE2: 3400K
	211 ⇔ 215	WHITE3: 4200K
	216 ⇔ 220	WHITE4: 4900K
	221 ⇔ 225	WHITE5: 5600K
	226 ⇔ 230	WHITE6: 5900K
	231 ⇔ 235	WHITE7: 6500K
	236 ⇔ 240	WHITE8: 7200K
	241 ⇔ 245	WHITE9: 8000K
	246 ⇔ 250	WHITE10: 8500K
	251 ⇔ 255	WHITE11: 10000K
9	0 ⇔ 9	No strobe
	10 ⇔ 99	Strobe (slow to fast)
	100 ⇔ 109	No strobe
	110 ⇔ 179	Lightning strobe (slow to fast)
	180 ⇔ 189	No strobe
	190 ⇔ 255	Random strobe (slow to fast)

CHANNEL	VALUE	FUNCTION
10	0 ⇄ 9	ALL RINGS
	10 ⇄ 54	STATIC RING 1
	55 ⇄ 99	STATIC RING 2
	100 ⇄ 119	RING EFFECT 1
	120 ⇄ 139	RING EFFECT 2
	140 ⇄ 159	RING EFFECT 3
	160 ⇄ 179	RING EFFECT 4
	180 ⇄ 184	STATIC RING WITH COLOR 1
	185 ⇄ 170	STATIC RING WITH COLOR 2
	190 ⇄ 194	STATIC RING WITH COLOR 3
	195 ⇄ 199	STATIC RING WITH COLOR 4
	200 ⇄ 204	STATIC RING WITH COLOR 5
	205 ⇄ 209	STATIC RING WITH COLOR 6
	210 ⇄ 214	STATIC RING WITH COLOR 7
	215 ⇄ 219	STATIC RING WITH COLOR 8
	220 ⇄ 224	STATIC RING WITH COLOR 9
	225 ⇄ 229	STATIC RING WITH COLOR 10
	230 ⇄ 234	STATIC RING WITH COLOR 11
	235 ⇄ 239	STATIC RING WITH COLOR 12
	240 ⇄ 244	STATIC RING WITH COLOR 13
	245 ⇄ 249	STATIC RING WITH COLOR 14
	250 ⇄ 255	STATIC RING WITH COLOR 15
11	0 ⇄ 255	AUTO SPEED
12	0 ⇄ 9	DIMMER SPEED RETURN SETTINGS
	10 ⇄ 29	NORMAL
	30 ⇄ 69	DIM 1
	70 ⇄ 129	DIM 2
	130 ⇄ 189	DIM 3
	190 ⇄ 255	DIM 4

TR16

CHANNEL	VALUE	FUNCTION
1	0 ⇄ 255	MASTER DIMMER
2	0 ⇄ 255	MASTER DIMMER FINE
3	0 ⇄ 255	RED(outside)
4	0 ⇄ 255	RED FINE(outside)
5	0 ⇄ 255	GREEN(outside)
6	0 ⇄ 255	GREEN FINE(outside)
7	0 ⇄ 255	BLUE (outside)
8	0 ⇄ 255	BLUE FINE(outside)
9	0 ⇄ 255	RED(inside)
10	0 ⇄ 255	RED FINE(inside)
11	0 ⇄ 255	GREEN(inside)
12	0 ⇄ 255	GREEN FINE(inside)
13	0 ⇄ 255	BLUE(inside)
14	0 ⇄ 255	BLUE FINE(inside)

CHANNEL	VALUE	FUNCTION
15	0 ⇔ 10	NO FUNCTION
	11 ⇔ 30	RED100%/GREENUP/BUE0%
	31 ⇔ 50	REDDOWN/GREEN100%/BLUE0%
	51 ⇔ 70	RED0%/GREEN100%/BLUEUP
	71 ⇔ 90	RED0%/GREENDOWN/BLUE100%
	91 ⇔ 110	REDUP/GREEN0%/BLUE100%
	111 ⇔ 130	RED100%/GREEN0%/BLUEDOWN
	131 ⇔ 150	RED100%/GREENUP/BLUEUP
	151 ⇔ 170	REDDOWN/GREENDOWN/BLUE100%
	171 ⇔ 200	RED100%/GREEN100%/BLUE100%
	201 ⇔ 205	WHITE1: 3200K
	206 ⇔ 210	WHITE2: 3400K
	211 ⇔ 215	WHITE3: 4200K
	216 ⇔ 220	WHITE4: 4900K
	221 ⇔ 225	WHITE5: 5600K
	226 ⇔ 230	WHITE6: 5900K
	231 ⇔ 235	WHITE7: 6500K
	236 ⇔ 240	WHITE8: 7200K
	241 ⇔ 245	WHITE9: 8000K
	246 ⇔ 250	WHITE10: 8500K
16	251 ⇔ 255	WHITE11: 10000K
	0 ⇔ 9	No strobe
	10 ⇔ 99	Strobe (slow to fast)
	100 ⇔ 109	No strobe
	110 ⇔ 179	Lightning strobe (slow to fast)
	180 ⇔ 189	No strobe
17	190 ⇔ 255	Random strobe (slow to fast)
	0 ⇔ 9	ALL RINGS
	10 ⇔ 54	STATIC RING 1
	55 ⇔ 99	STATIC RING 2
	100 ⇔ 119	RING EFFECT 1
	120 ⇔ 139	RING EFFECT 2
	140 ⇔ 159	RING EFFECT 3
	160 ⇔ 179	RING EFFECT 4
	180 ⇔ 184	STATIC RING WITH COLOR 1
	185 ⇔ 190	STATIC RING WITH COLOR 2
	191 ⇔ 194	STATIC RING WITH COLOR 3
	195 ⇔ 199	STATIC RING WITH COLOR 4
	200 ⇔ 204	STATIC RING WITH COLOR 5
	205 ⇔ 209	STATIC RING WITH COLOR 6
	210 ⇔ 214	STATIC RING WITH COLOR 7
	215 ⇔ 219	STATIC RING WITH COLOR 8
	220 ⇔ 224	STATIC RING WITH COLOR 9
	225 ⇔ 229	STATIC RING WITH COLOR 10
	230 ⇔ 234	STATIC RING WITH COLOR 11
	235 ⇔ 239	STATIC RING WITH COLOR 12
	240 ⇔ 244	STATIC RING WITH COLOR 13
	245 ⇔ 249	STATIC RING WITH COLOR 14
	250 ⇔ 255	STATIC RING WITH COLOR 15

CHANNEL	VALUE	FUNCTION
18	0 ⇄ 255	AUTO SPEED
19	0 ⇄ 9	DIMMER SPEED RETURN SETTINGS
	10 ⇄ 29	NORMAL
	30 ⇄ 69	DIM 1
	70 ⇄ 129	DIM 2
	130 ⇄ 189	DIM 3
	190 ⇄ 255	DIM 4

ARCI

CHANNEL	VALUE	FUNCTION
1	0 ⇄ 255	RED
2	0 ⇄ 255	GREEN
3	0 ⇄ 255	BLUE

ARI.D

CHANNEL	VALUE	FUNCTION
1	0 ⇄ 255	DIMMER
2	0 ⇄ 255	RED
3	0 ⇄ 255	GREEN
4	0 ⇄ 255	BLUE

<ARI.S>通道模式

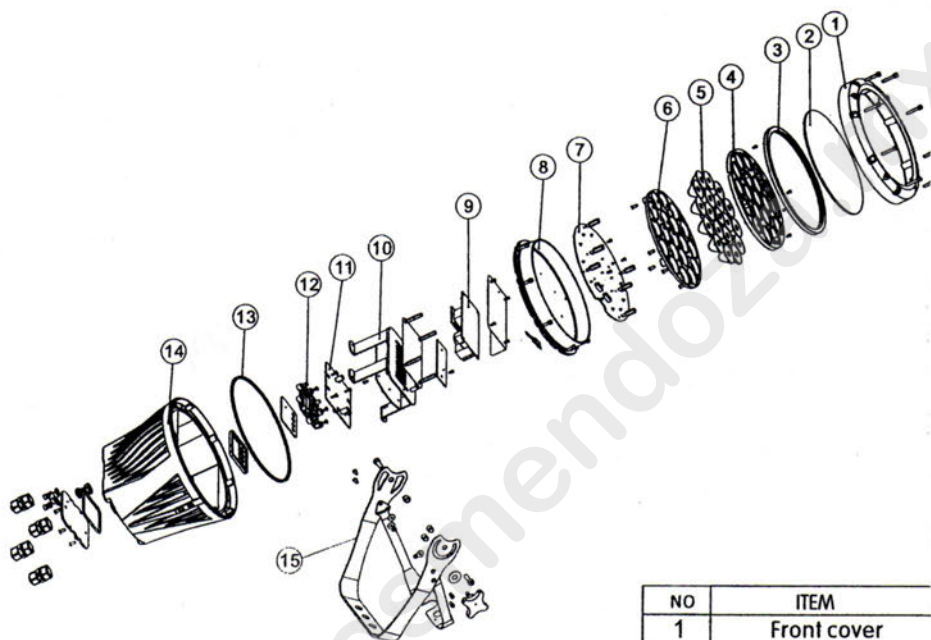
CHANNEL	VALUE	FUNCTION
1	0 ⇄ 255	DIMMER
2	0 ⇄ 255	RED
3	0 ⇄ 255	GREEN
4	0 ⇄ 255	BLUE
5	0 ⇄ 9	No strobe
	10 ⇄ 99	Strobe (slow to fast)
	100 ⇄ 109	No strobe
	110 ⇄ 179	Lightning strobe (slow to fast)
	180 ⇄ 189	No strobe
	190 ⇄ 255	Random strobe (slow to fast)

HSV

CHANNEL	VALUE	FUNCTION
1	0 ⇄ 255	HUE
2	0 ⇄ 255	SATURATION
3	0 ⇄ 255	VALUE

5 APPENDIX

5.1 PARTS DIAGRAM



NO	ITEM
1	Front cover
2	Tempered glass
3	Front cover waterproof gasket
4	Lens frame A
5	3 in 1 Lens
6	Lens frame B
7	LED board
8	Heat sink
9	Power Supply(PS)
10	Driver board support
11	Display PCB
12	Button pressed plate
13	Lamp body waterproof gasket
14	Lamp body(waterproof)
15	Hanging bracket