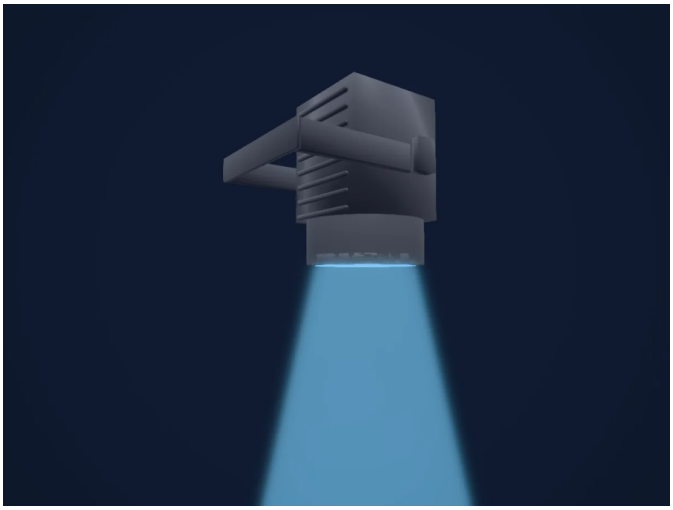
ETC

Fresnel V MAX



Manufacturer	**ETC**
Type	**Spot**
DMX modes	**9**
DMX footprint	**1, 4, 6, 8, 10, 12, 16 channels**
Beam angle	**13-44°**
Size (W × H × D)	**321 × 311 × 339 mm**
GDTF fixture type	**27DBB17D-5D07-5EE5-B6B6-25…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Dimmer

DMX modes

1ch	1 ch
rgb	4 ch
6ch	6 ch
cct	8 ch
stn	8 ch
ct2	10 ch
dir	10 ch
st2	12 ch
dr2	16 ch

1ch

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

rgb

4 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood

6ch

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	0	
3	Green	0	
4	Blue	0	
5	Shutter / Strobe	0	0–0 No Strobe 1–254 Strobe1-33Hz; duty/phase unqualified 255–255 No Strobe
6	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood

cct

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	C TC	0	
3	Control	0	0–0 Neutral0 1–1 Full Green10 2–127 Green10 to Neutral0 128–128 Neutral0 129–254 Neutral0 to Magenta-10 255–255 Full Magenta-10
4	Control	0	0–49 Brightest 50–99 Best Spectral 100–255 Reserved currently outputs Brightest
5	Shutter / Strobe	0	0–0 No Strobe 1–40 Dark Strobe1-40Hz; duty/phase unqualified 41–80 Bright Strobe1-40Hz; duty/phase unqualified 81–120 Pulse Strobe fade up and fade down; clock unqualif… 121–160 Random Strobe random intervals 161–200 Flicker Effect random intervals and intensity 201–240 No Strobe 241–254 LEDs Off 255–255 No Strobe
6	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood

cct (continued)

Ch	Function	Default	DMX values
7	Control	0	0–9 Auto 10–19 Off; thermal intensity reduction 20–20 Slow 21–248 Linear increase in fan speed 249–249 Fast 250–255 Auto
8	Control	10	0–9 Incandescent 10–19 Linear 20–29 Incandescent Red Shift; Direct uses Incandescent 30–39 Linear Red Shift; Direct uses Linear 40–49 Quick Incandescent 50–59 Quick Linear 60–69 Unregulated 70–79 Standard 80–255 Reserved uses Incandescent

stn

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	0	
3	Green	0	
4	Blue	0	
5	Shutter / Strobe	0	0–0 No Strobe 1–40 Dark Strobe1-40Hz; duty/phase unqualified 41–80 Bright Strobe1-40Hz; duty/phase unqualified 81–120 Pulse Strobe fade up and fade down; clock unqualif... 121–160 Random Strobe random intervals 161–200 Flicker Effect random intervals and intensity 201–240 No Strobe 241–254 LEDs Off 255–255 No Strobe
6	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood
7	Control	0	0–9 Auto 10–19 Off; thermal intensity reduction 20–20 Slow 21–248 Linear increase in fan speed 249–249 Fast 250–255 Auto
8	Control	10	0–9 Incandescent 10–19 Linear 20–29 Incandescent Red Shift; Direct uses Incandescent 30–39 Linear Red Shift; Direct uses Linear 40–49 Quick Incandescent 50–59 Quick Linear 60–69 Unregulated 70–79 Standard 80–255 Reserved uses Incandescent

ct2

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	

ct2 (continued)

Ch	Function	Default	DMX values
4	C TC Fine	0	Fine byte of C TC
5	Control	0	0–0 Neutral0 1–1 Full Green10 2–127 Green10 to Neutral0 128–128 Neutral0 129–254 Neutral0 to Magenta-10 255–255 Full Magenta-10
6	Control	0	0–49 Brightest 50–99 Best Spectral 100–255 Reserved currently outputs Brightest
7	Shutter / Strobe	0	0–0 No Strobe 1–40 Dark Strobe1-40Hz; duty/phase unqualified 41–80 Bright Strobe1-40Hz; duty/phase unqualified 81–120 Pulse Strobe fade up and fade down; clock unqualif… 121–160 Random Strobe random intervals 161–200 Flicker Effect random intervals and intensity 201–240 No Strobe 241–254 LEDs Off 255–255 No Strobe
8	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood
9	Control	0	0–9 Auto 10–19 Off; thermal intensity reduction 20–20 Slow 21–248 Linear increase in fan speed 249–249 Fast 250–255 Auto
10	Control	10	0–9 Incandescent 10–19 Linear 20–29 Incandescent Red Shift; Direct uses Incandescent 30–39 Linear Red Shift; Direct uses Linear 40–49 Quick Incandescent 50–59 Quick Linear 60–69 Unregulated 70–79 Standard 80–255 Reserved uses Incandescent

dir

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Red	0	
3	Green	0	
4	Blue	0	
5	Color Add Indigo	0	
6	Color Add GY	0	
7	Shutter / Strobe	0	0–0 No Strobe 1–40 Dark Strobe1-40Hz; duty/phase unqualified 41–80 Bright Strobe1-40Hz; duty/phase unqualified 81–120 Pulse Strobe fade up and fade down; clock unqualif… 121–160 Random Strobe random intervals 161–200 Flicker Effect random intervals and intensity 201–240 No Strobe 241–254 LEDs Off 255–255 No Strobe

dir (continued)

Ch	Function	Default	DMX values
8	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood
9	Control	0	0–9 Auto 10–19 Off; thermal intensity reduction 20–20 Slow 21–248 Linear increase in fan speed 249–249 Fast 250–255 Auto
10	Control	10	0–9 Incandescent 10–19 Linear 20–29 Incandescent Red Shift; Direct uses Incandescent 30–39 Linear Red Shift; Direct uses Linear 40–49 Quick Incandescent 50–59 Quick Linear 60–69 Unregulated 70–79 Standard 80–255 Reserved uses Incandescent

st2

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	0	
4	Red Fine	0	Fine byte of Red
5	Green	0	
6	Green Fine	0	Fine byte of Green
7	Blue	0	
8	Blue Fine	0	Fine byte of Blue
9	Shutter / Strobe	0	0–0 No Strobe 1–40 Dark Strobe1-40Hz; duty/phase unqualified 41–80 Bright Strobe1-40Hz; duty/phase unqualified 81–120 Pulse Strobe fade up and fade down; clock unqualif… 121–160 Random Strobe random intervals 161–200 Flicker Effect random intervals and intensity 201–240 No Strobe 241–254 LEDs Off 255–255 No Strobe
10	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood
11	Control	0	0–9 Auto 10–19 Off; thermal intensity reduction 20–20 Slow 21–248 Linear increase in fan speed 249–249 Fast 250–255 Auto
12	Control	10	0–9 Incandescent 10–19 Linear 20–29 Incandescent Red Shift; Direct uses Incandescent 30–39 Linear Red Shift; Direct uses Linear 40–49 Quick Incandescent 50–59 Quick Linear 60–69 Unregulated 70–79 Standard 80–255 Reserved uses Incandescent

dr2

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	0	
4	Red Fine	0	Fine byte of Red
5	Green	0	
6	Green Fine	0	Fine byte of Green
7	Blue	0	
8	Blue Fine	0	Fine byte of Blue
9	Color Add Indigo	0	
10	Color Add Indigo Fine	0	Fine byte of Color Add Indigo
11	Color Add GY	0	
12	Color Add GY Fine	0	Fine byte of Color Add GY
13	Shutter / Strobe	0	0–0 No Strobe 1–40 Dark Strobe1-40Hz; duty/phase unqualified 41–80 Bright Strobe1-40Hz; duty/phase unqualified 81–120 Pulse Strobe fade up and fade down; clock unqualif... 121–160 Random Strobe random intervals 161–200 Flicker Effect random intervals and intensity 201–240 No Strobe 241–254 LEDs Off 255–255 No Strobe
14	Zoom	1	0–0 Programmed Zoom Level 1–255 Linear Full Spot to Full Flood
15	Control	0	0–9 Auto 10–19 Off; thermal intensity reduction 20–20 Slow 21–248 Linear increase in fan speed 249–249 Fast 250–255 Auto
16	Control	10	0–9 Incandescent 10–19 Linear 20–29 Incandescent Red Shift; Direct uses Incandescent 30–39 Linear Red Shift; Direct uses Linear 40–49 Quick Incandescent 50–59 Quick Linear 60–69 Unregulated 70–79 Standard 80–255 Reserved uses Incandescent

Fixture model: gdtf-etc-fresnel-v-max-202610120088
Creator: HitLight
Modifications: Original HitLight 3D housing: scripted parametric geometry modelled by HitLight from public product photos and the manufactu...