

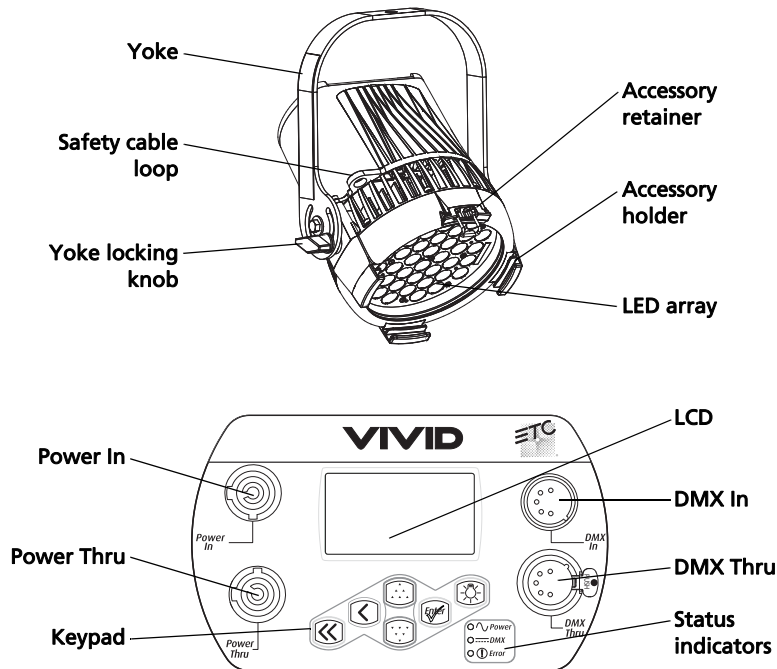
ETC Quick Guide

Desire Fixture Series

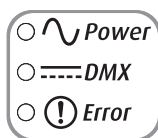
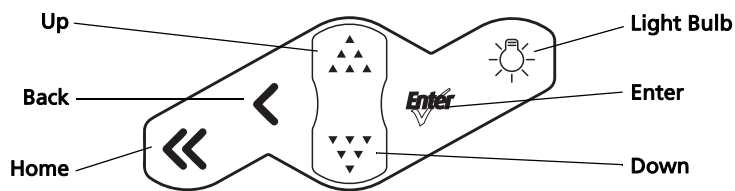
Overview

For complete information and step-by-step instructions, see the *Desire Series by ETC D22, D40, D40XT, D60, D60X User Manual*. Download ETC documentation at etcconnect.com.

The features shown in the following images may not appear on all Desire Series fixtures.



***There is no user interface on the D60X



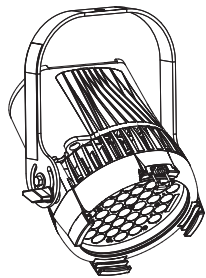
Power – Indicates AC power is On.
DMX – Indicates control signal is Active.
Error – Indicates data error, high temperature, or other unusual status.



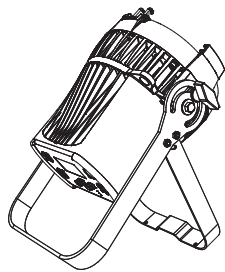
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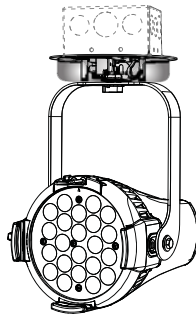
Install



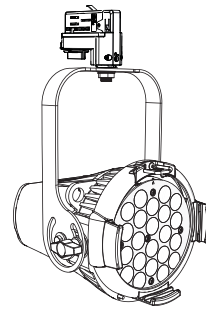
With yoke



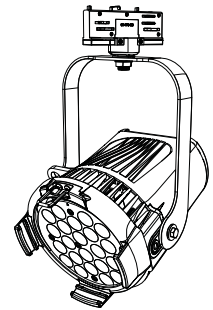
With floor stand



Canopy mount
(D22 only)



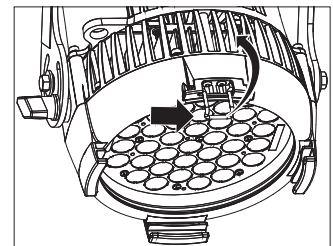
OneTrack
Track mount
(D22 only)



DataTrack
Track mount
(D22 only)

D22 Portable, D40, D40XT, D60, D60X

1. Hang or mount the fixture.
2. Attach safety cable.
3. Insert secondary lens with smooth side out, if desired.
4. Insert additional accessories, if desired (top hat, egg crate, etc.).



Accessory holder and clip



WARNING: Use only hardware rated for total weight of fixture and accessories.

The safety cable (or other approved safety device) must be securely attached to the safety cable loop before loosening the clamp.

D22 Canopy and D22 Track

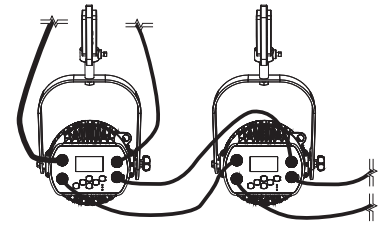
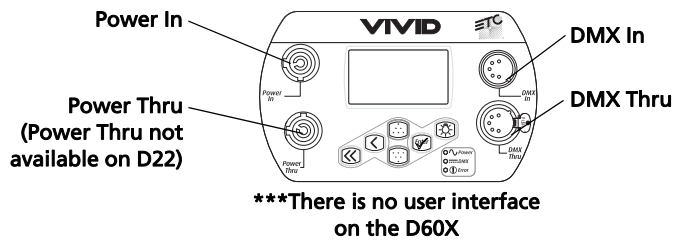
See the *Desire Series D22 Installation Guide* for details on installing the canopy and track-mounted versions of the D22 fixture.

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Desire Fixture Series

Connect

D22 Portable, D40, D40XT, D60 and D60X



1. If using external DMX or RDM control, attach a 5-pin XLR cable to DMX In.
2. Connect the power cable to AC power.
3. Plug the XLR cable into the data source, if applicable.
4. Link any additional fixtures via Power Thru and DMX Thru connectors. (The D22 fixture does not have the Power Thru option.)



WARNING: • Do not link more than nine fixtures when using Power Thru (non-dimming, 100 to 240 VAC, 50/60 Hz). Power Thru is not available on all Desire Series fixtures.

- Up to 32 devices can be daisy-chained together per data run.
- Disconnect power and DMX before all cleaning and maintenance.

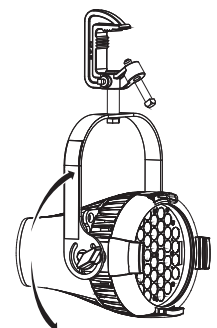
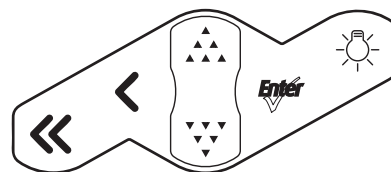
D22 Canopy and D22 Track

See the *Desire Series D22 Installation Guide* for details on connecting the canopy and track-mounted versions of the D22 fixture.

Focus

D60X fixtures do not have the user interface that other Desire fixtures do. For information on setting up D60X fixtures, see [Configure D60X using RDM on page 4](#).







1. Supply power and wait for the fixture to boot up.
2. Press [] to open **Presets & Sequences**.
3. Select **Focus** and press [] to turn on the LED array.
4. Adjust the position of the fixture.
5. Once the focus is set, press [] to turn off the LED array and then press [] to return to the home screen.






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Desire Fixture Series

Address

1. From the home screen, press [] to open the **Main Menu**.
2. On the **Main Menu**, scroll to **DMX Start Address** and press [].
3. Use [] or [] to scroll to the desired address.
4. Press [] to select the address number.
5. Press [] to return to the home screen.

Quick Setup

1. On the **Main Menu**, scroll to **Quick Setups** and press [].
2. Scroll to the desired setup and then press []. An asterisk (*) indicates which setup is active.
3. Press [] to return to the home screen. The top line of the home screen displays the name of the active setup.








Individual features and settings are adjustable in the Advanced menu. See the *Desire Series by ETC D22, D40, D40XT, D60, D60X User Manual* for more information on advanced features of Desire fixtures.

Quick Color (Vivid, Lustr+, Fire and Ice, Studio HD)

Quick Color allows you to easily select a color and its intensity from a predefined menu. This feature overrides any presets or sequences previously selected and is only available when there is no external DMX signal to the fixture.



Note: *Exiting the Quick Color menu will return the fixture to the state it was in prior to entering the menu.*

1. Press [] to open **Presets and Sequences**.
2. Scroll to **Quick Color** and press [].
3. Scroll to **Color** and press [].
4. Scroll to the desired color and press [].
5. Scroll to **Intensity** and press [].
6. Scroll to adjust the intensity and press [].
7. To exit **Quick Color**, press [].

Configure D60X using RDM

Up to 32 D60X fixtures can be daisy-chained on a DMX/RDM network. Each fixture can have a unique DMX address and each address can be configured separately. Alternatively, more than one fixture can have the same address, allowing you to configure them identically.

Use an RDM configuration tool or an RDM lighting control device to configure the fixtures. An RDM configuration tool is installed on a PC, which is connected to the DMX/RDM network via Gadget II or a DMX/RDM gateway. After the fixtures are configured, Gadget II or the gateway can be disconnected and a DMX or RDM control device can be connected to the network for continued operation. For more information on configuring fixtures using RDM, see the *Desire Series by ETC D22, D40, D40XT, D60, D60X User Manual*. Download ETC documentation at etconnect.com.

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Desire Fixture Series

Quick Setups

D40XT, D40, D60, and D60X: Vivid, Lustr+, Fire, Ice, Studio HD

D22: Lustr+, Studio HD

Quick Setup	Profile	Features	Recommended Use
General	Direct	<ul style="list-style-type: none">• Standard dimming curve• Regulated output for color consistency• 3200 K white point setting	Factory default: For general purpose use, including interior architectural applications
Stage	HSI Plus 7 enabled	<ul style="list-style-type: none">• Incandescent dimming curve• Regulated output for color consistency• 3200 K white point setting	Theatrical lighting: Duplicates the color and dimming behavior of tungsten and stage lighting fixtures
XT Arch	HSI	<ul style="list-style-type: none">• Standard dimming curve• Protected output• 3200 K white point setting	Exterior Architectural lighting: Provides a high degree of color consistency in high ambient temperature environments.
High Impact	RGB	<ul style="list-style-type: none">• Quick dimming curve• Boost mode for maximum intensity• 5600 K white point setting	Event lighting: Enables quick response, simple RGB control and strobe channel for maximum effect usage
Studio	Studio	<ul style="list-style-type: none">• Linear dimming curve• Regulated output mode for color consistency	Studio factory default: Enables three-parameter control of white light (intensity, white point, and tint) via DMX from a console or console-free fixture display

D22, D40, D40XT, D60, and D60X: Studio Tungsten and Studio Daylight

Quick Setup	Profile	Features	Recommended Use
Studio	Studio	<ul style="list-style-type: none">• Linear dimming curve• Regulated output for intensity stability	Allows you to control the intensity from the fixture user interface (no console required)
Stage	Direct	<ul style="list-style-type: none">• Incandescent dimming curve• Regulated output	Matches conventional fixture performance
Single Channel	Direct	<ul style="list-style-type: none">• Standard dimming curve• Regulated output for color consistency	For general purpose architectural use

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Desire Fixture Series

DMX Input Channel Profiles

D40, D40XT: Vivid, Lustr+, Fire, Ice, Studio HD

D22: Lustr+, Studio HD

DMX Profile	DMX Channels	Channel Assignments		Notes
		Vivid, Lustr+	Studio HD	
Direct	9	1 - Red	1 - Red	Direct control of each individual color with a separate master intensity channel. The 9-channel profile will produce the highest quality color cross fades.
		2 - Orange (White if Lustr+)	2 - Amber	
		3 - Amber	3 - Green/Cyan	
		4 - Green	4 - Blue	
		5 - Cyan	5 - 3000 K White	
		6 - Blue	6 - 6000 K White	
		7 - Indigo	7 - n/a	
		8 - Intensity	8 - Intensity	
		9 - Strobe	9 - Strobe	
RGB	5 (Ch. 4 not used)	1 - Red		Effectively addresses all seven colors via three channels of control. RGB profile will produce medium quality color cross fades.
		2 - Green		
		3 - Blue		
		4 - n/a		
		5 - Strobe		
HSI	5	1 - Hue (coarse)		High resolution hue (two channels), saturation, and intensity control. HSI mode will produce color cross fades around the color space.
		2 - Hue (fine)		
		3 - Saturation		
		4 - Intensity		
		5 - Strobe		
HSIC	6	1 - Hue (coarse)		High-resolution hue, saturation, and intensity control as above, with the addition of a color point channel to adjust the color temperature of the fixture in both white light and color. Color cross fade performance is the same as HSI.
		2 - Hue (fine)		
		3 - Saturation		
		4 - Intensity		
		5 - Strobe		
		6 - Color Point (CCT)		
Studio	3	1 - Intensity		Controls fixture as a white light unit. If no DMX is present, you can adjust these parameters using the user interface on the fixture.
		2 - Color Point (CCT)		
		3 - Tint		

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Desire Fixture Series

Additional profile options

Profile Option	Channel Assignments		Notes
	Vivid, Lustr+	Studio HD	
Plus 7	1 - Hue (coarse)	1 - Hue (coarse)	<p>Adds seven additional color control channels to RGB, HSI, HSIC, and Studio input profile settings. For example, HSI with 'Plus 7' enabled becomes a 14-channel profile.</p> <p>Use the HSI or RGB channels to achieve the desired color and intensity.</p> <p>Placing channel 7 at a value over 51% gives the fixture a 14-channel profile.</p> <p>Channels 8–14 represent the native colors of the fixture and allow the operator to adjust individual color channels to fine-tune the color output.</p>
	2 - Hue (fine)	2 - Hue (fine)	
	3 - Saturation	3 - Saturation	
	4 - Intensity	4 - Intensity	
	5 - Strobe	5 - Strobe	
	6 - n/a	6 - n/a	
	7 - Plus 7 Control on/off	7 - Plus 7 Control on/off	
	8 - Red	8 - Red	
	9 - Orange (white if Lustr+)	9 - Amber	
	10 - Amber	10 - Green/Cyan	
	11 - Green	11 - Blue	
	12 - Cyan	12 - 3000 K White	
	13 - Blue	13 - 6000 K White	
	14 - Indigo	14 - n/a	
Strobe	Variable strobe control: 0% is no strobe. The fixture output will strobe more rapidly as the strobe-channel value approaches 100%.		

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Desire Fixture Series

D60 & D60X: Vivid, Lustr+, Fire, Ice, Studio HD (no Fire or Ice in D60X)

DMX Profile	DMX Channels	Channel Assignments		Notes
		Vivid, Lustr+, Fire, Ice	Studio HD	
Direct	10	1 - Red	1 - Red	Direct control of each individual color with a separate master intensity channel. The 10-channel profile will produce the highest quality color cross fades.
		2 - Orange (White if Lustr+)	2 - Amber	
		3 - Amber	3 - Green/Cyan	
		4 - Green	4 - Blue	
		5 - Cyan	5 - 3000 K White	
		6 - Blue	6 - 6000 K White	
		7 - Indigo	7 - n/a	
		8 - Intensity	8 - Intensity	
		9 - Strobe	9 - Strobe	
		10 - Fan Control	10 - Fan Control	
RGB	6 (Ch. 4 not used)	1 - Red		Effectively addresses all seven colors via three channels of control. RGB profile will produce medium quality color cross fades.
		2 - Green		
		3 - Blue		
		4 - n/a		
		5 - Strobe		
		6 - Fan Control		
HSI	6	1 - Hue (coarse)		High resolution hue (two channels), saturation, and intensity control. HSI mode will produce color cross fades around the color space.
		2 - Hue (fine)		
		3 - Saturation		
		4 - Intensity		
		5 - Strobe		
		6 - Fan Control		
HSIC	7	1 - Hue (coarse)		High-resolution hue, saturation, and intensity control as above, with the addition of a color point channel to adjust the color temperature of the fixture in both white light and color. Color cross fade performance is the same as HSI.
		2 - Hue (fine)		
		3 - Saturation		
		4 - Intensity		
		5 - Color Point (CCT)		
		6 - Fan Control		
		7 - Color Point (CCT)		
Studio	6 (Ch. 4 not used)	1 - Intensity		Controls fixture as a white light unit. If no DMX is present, you can adjust these parameters using the user interface on the fixture.
		2 - Color Point (CCT)		
		3 - Tint		
		4 - n/a		
		5 - Strobe		
		6 - Fan Control		

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Desire Fixture Series

Additional profile options

Profile Option	Channel Assignments		Notes
	Vivid, Lustr+, Fire, Ice	Studio HD	
Plus 7	1 - Hue (coarse)	1 - Hue (coarse)	Adds seven additional color control channels to RGB, HSI, and HSIC input profile settings. For example, HSI with 'Plus 7' enabled becomes a 15-channel profile.
	2 - Hue (fine)	2 - Hue (fine)	
	3 - Saturation	3 - Saturation	
	4 - Intensity	4 - Intensity	
	5 - Strobe	5 - Strobe	
	6 - Fan Control	6 - Fan Control	
	7 - n/a	7 - n/a	
	8 - Plus 7 Control on/off	8 - Plus 7 Control on/off	Use the HSI or RGB channels to achieve the desired color and intensity.
	9 - Red	9 - Red	Placing channel 8 at a value over 51% gives the fixture a 15-channel profile.
	10 - Orange (white if Lustr+)	10 - Amber	Channels 9–15 represent the native colors of the fixture and allow the operator to adjust individual color channels to fine-tune the color output.
	11 - Amber	11 - Green/Cyan	
	12 - Green	12 - Blue	
	13 - Cyan	13 - 3000 K White	
	14 - Blue	14 - 6000 K White	
	15 - Indigo	15 - n/a	
Strobe	Variable strobe control: 0% is no strobe. The fixture output will strobe more rapidly as the strobe-channel value approaches 100%.		

D40XT, D40, D60, D60X: Studio Tungsten, and Studio Daylight D22: Studio Tungsten and Studio Daylight

DMX Profile	DMX Channels	Channel Assignments	Notes
Studio	3	1 - Intensity	Direct control of each individual color with a separate master intensity channel. The 10-channel profile will produce the highest quality color cross fades.
		2 - Strobe	
		3 - Fan Control (D60 only)	
Direct	3	1 - Intensity	
		2 - Strobe	
		3 - Fan Control (D60 only)	

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Desire Fixture Series

Typical Power Consumption

D22

Model	Value	100V	120V	230V
Lustr+	Idle Power / Current	7.8W / 0.111	7.6W / 0.111A	7.4W / 0.094A
	100% Boost Power / Current	56.8W / 0.578	56.5W / 0.475A	55.1W / 0.288
Studio Tungsten	Idle Power / Current	7.6W / 0.11A	7.6W / 0.11A	7.2W / 0.094A
	100% Boost Power / Current	52.4W / 0.532A	51.8W / 0.445A	50.9W / 0.276
Studio Daylight	Idle Power / Current	7.3W / 0.093A	7.2W / 0.091A	7.3W / 0.124A
	100% Boost Power / Current	55.2W / 0.556A	55W / 0.462A	53.8W / 0.268
Studio HD	Idle Power / Current	6.7W / 0.095A	6.7W / 0.098A	6.7W / 0.118A
	100% Boost Power / Current	55W / 0.555A	54.6W / 0.464A	53.3W / 0.271A

D40 and D40XT

Model	Value	100V	120V	240V
Vivid	Idle Power / Current	10.5W / 0.135A	11W / 0.098A	12.7W / 0.078A
	100% Boost Power / Current	102W / 1.12A	98W / 0.82A	95.6W / 0.403
Lustr+	Idle Power / Current	10.3W / 0.125A	10.5W / 0.094A	12.2W / 0.074A
	100% Boost Power / Current	104W / 1.16A	102W / 0.861	99.7 W / 0.418
Fire	Idle Power / Current	10.5W / 0.125A	10.8W / 0.096A	12.5W / 0.076A
	100% Boost Power / Current	91.2W / 1.02A	88.2W / 0.74A	87.2W / 0.369A
Ice	Idle Power / Current	11.0W / 0.123A	11.2W / 0.099A	12.8W / 0.077A
	100% Boost Power / Current	104.2W / 1.17A	102.2W / 0.867A	99.5W / 0.42A
Studio HD	Idle Power / Current	11.1W / 0.134A	11W / 0.097A	12.8W / 0.077A
	100% Boost Power / Current	106.2W / 1.19A	103.5W / 0.883A	101.3W / 0.426A
Studio Daylight	Idle Power / Current	10.6W / 0.123A	10.6W / 0.095A	12.4W / 0.076A
	100% Boost Power / Current	105.1W / 1.12A	103.3W / 0.878A	100.8W / 0.424A
Studio Tungsten	Idle Power / Current	10W / 0.111A	10.1W / 0.093A	11.9W / 0.075A
	100% Boost Power / Current	104W / 1.05A	103.1W / 0.872A	100.3W / 0.422A

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D60

Model	Value	100V	120V	240V
Vivid	Idle Power / Current	7.6W / 0.083A	7.7W / 0.083A	9.2W / 0.087A
	100% Boost Power / Current	139W / 1.41A	136.1W / 1.15A	130.3W / 0.549A
Lustr+	Idle Power / Current	7.3W / 0.1A	7.4W / 0.77A	9W / 0.086A
	100% Boost Power / Current	143W / 1.46A	140.1W / 0.97A	135.1W /
Fire	Idle Power / Current	7.9W / 0.105A	7.9W / 0.086A	9.4W / 0.089A
	100% Boost Power / Current	129W / 1.35A	126.5W / 1.35A	122.7W / 0.52A
Ice	Idle Power / Current	7.3W / 0.095A	7.4W / 0.081A	9W / 0.085A
	100% Boost Power / Current	148.5W / 1.53A	147W / 1.28A	140.2W / 0.592A
Studio HD	Idle Power / Current	7.2W / 0.086A	7.3W / 0.082A	8.9W / 0.086A
	100% Boost Power / Current	146W / 1.5A	143.7W / 1.24A	138.2W / 0.58A
Studio Daylight	Idle Power / Current	7.5W / 0.09A	7.6W / 0.084A	9.3W / 0.089A
	100% Boost Power / Current	145.5W / 1.48A	142.8W / 1.22A	136W / 0.573A
Studio Tungsten	Idle Power / Current	7.4W / 0.088A	7.5W / 0.083A	9.1W / 0.088A
	100% Boost Power / Current	145.8W / 1.49A	143.3W / 1.23A	137.1W / 0.577A

D60X

Model	Value	100V	120V	240V
Vivid	Idle Power / Current	4.2W / 0.08A	4.3W / 0.075A	4.1W / 0.067A
	100% Boost Power / Current	117.9W / 1.19A	118W / 1A	115.6W / 0.526
Lustr+	Idle Power / Current	4.2W / 0.08A	4.2W / 0.075A	4.3W / 0.069A
	100% Boost Power / Current	123.7W / 1.24A	123.6W / 1.04	121W / 0.546
Studio HD	Idle Power / Current	4.2W / 0.08A	4.3W / 0.76 A	4.3W / 0.068A
	100% Boost Power / Current	125.1W / 1.26A	124.7W / 1.05A	122.5W / 0.552A
Studio Daylight	Idle Power / Current	4.2W / 0.08A	4.3W / 0.76 A	4.2W / 0.068A
	100% Boost Power / Current	125.1W / 1.26A	124.7W / 1.05A	122.5W / 0.552A
Studio Tungsten	Idle Power / Current	4.3W / 0.08A	4.2W / 0.073A	4.2W / 0.065A
	100% Boost Power / Current	124.4W / 1.25A	123.7W / 1.04A	121.2W / 0.545A

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