Chalice 200 Pendant

Chalice 200W LED Pendant

The Chalice 200 is a compact 200 Watt LED Engine that is IP20 rated & convection cooled zoom pendant fixture that is packed with a high feature set at an affordable price. This silent, compact luminaire weighs in at just 15.20 pounds / 6.89 kg. but features a powerful lumen output with a wide zoom range.

The Chalice 200 Pendant is a compact, cast aluminum design allows for discrete luminaire placement while the Red, Green, Blue, Lime LED engine offers very high output of deep rich saturated colors as well as soft and delicate pastels. The Chalice 200 also comes in a Tunable White, 3000K and 5000K LED Engine. The Chalice 200 Pendant replicates the soft output of a par wash light while maintaining a uniform beam output throughout the entire zoom range.

The Chalice 200 Pendant offers a number of different control states from 8 Bit,16 Bit, RGB, CMY, Compact and HSIC, modes allowing for a number of control choices. Popular gel colors are factory calibrated and custom color presets are available to program and store custom color mixes. This allows for quick selection of factory preloaded white points and the most widely used entertainment color choices.

The motorized zoom produces a beam spread between 6.5° and 50° with built-in stops at five different set points ensuring precise beam spread repeatability. This zoom can be set from RDM and locked out, or directly from the console.

Product Features

- RGBL, Tunable White, 3000K and 5000K LED Engine
- IP20 rated
- Lightweight, 15.20 lbs. (6.89kg)
- Available in Black, White and Custom
- Motorized zoom system 6.5° to 50° with built-in stops
- Patented Zoom Lock
- 100 to 240 VAC 50/60 Hz operation
- Hardwire Terminal Block for power input and DMX connection
- Option to have a panel mount PowerCon and DMX 5pin XLR connectors
- Up to 30 Hz Strobe rate
- Compatible with DMX 512, Wireless Mulitverse and RDM protocols
- Eight different control settings of:
- Silent convection cooling
- Color calibration system
- Multiple dimming profiles

- Frequency Adjust Settings
- Amber Shift Settings
- Preset white select set point setting
- cETLus listed CE marked
- Five (5) year and one (1) day warranty
- No cost technical support for the life of your product
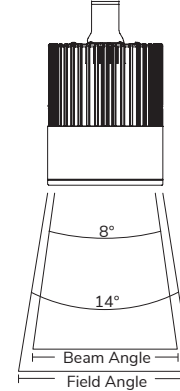
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Photometric

Zoom Set: VNSP

Output Setting	Zoom DMX Setting	Beam Angle	Field Angle	Candela	Beam Lumens	Lumens Per Watt
Full On				138237	2997	15
3000K*	0	8°	14°	96747	2170	20.4
5000K*				118202	2670	18.4

Throw Distance	10ft (3m)	15ft (4.6m)	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Field Diameter	2.5ft (0.7m)	3.7ft (1.1m)	5.0ft (1.5m)	7.5ft (2.3m)	10.0ft (3.0m)	12.6ft (3.8m)
Illuminance (fc) at Full On	1382	614	345	153	86	55
Illuminance (lux) at Full On	15360	6609	3713	1646	925	592

8°

14°

Beam Angle

Field Angle

Note: To determine the center beam illumination in Footcandles at any distance, divide Candela by the distance squared.

Note: To Calculate the Field Diameter with the Fixture, Zoom set for VNSP, Multiply any distance by 0.25
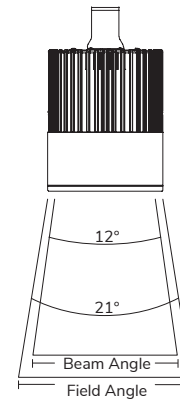
Note: To Calculate the Beam Diameter with the Fixture, Zoom set for VNSP, Multiply any distance by 0.144

Note: * - The 3K and 5K results are taken with the RGBL Engine and with Calibration On.

Zoom Set: NSP

Output Setting	Zoom DMX Setting	Beam Angle	Field Angle	Candela	Beam Lumens	Lumens Per Watt
Full On				66391	3356	16.6
3000K*	63	12°	21°	47174	2387	22.5
5000K*				60840	2937	20.2

Throw Distance	10ft (3m)	15ft (4.6m)	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Field Diameter	3.8ft (1.1m)	5.6ft (1.1m)	7.5ft (2.3m)	11.3ft (3.4m)	15.1ft (4.6m)	18.9ft (5.7m)
Illuminance (fc) at Full On	663	295	165	73	41	26
Illuminance (lux) at Full On	7136	3175	1776	785	441	279

12°

21°

Beam Angle

Field Angle

Note: To determine the center beam illumination in Footcandles at any distance, divide Candela by the distance squared.

Note: To Calculate the Field Diameter with the Fixture, Zoom set for NSP, Multiply any distance by 0.375
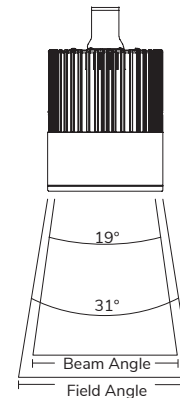
Note: To Calculate the Beam Diameter with the Fixture, Zoom set for NSP, Multiply any distance by 0.216

Note: * - The 3K and 5K results are taken with the RGBL Engine and with Calibration On.

Zoom Set: MFL

Output Setting	Zoom DMX Setting	Beam Angle	Field Angle	Candela	Beam Lumens	Lumens Per Watt
Full On				30348	3516	17.5
3000K*	127	19°	31°	22277	2506	23.6
5000K*				27990	3083	21.3

Throw Distance	10ft (3m)	15ft (4.6m)	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Field Diameter	5.5ft (1.6m)	8.3ft (2.5m)	11.1ft (3.8m)	16.7ft (5.1m)	22.3ft (6.8m)	28ft (8.5m)
Illuminance (fc) at Full On	303	135	75	34	19	12
Illuminance (lux) at Full On	3261	1453	807	365	204	129

19°

31°

Beam Angle

Field Angle

Note: To determine the center beam illumination in Footcandles at any distance, divide Candela by the distance squared.

Note: To Calculate the Field Diameter with the Fixture, Zoom set for MFL, Multiply any distance by 0.55

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for MFL, Multiply any distance by 0.34

Note: * - The 3K and 5K results are taken with the RGBL Engine and with Calibration On.

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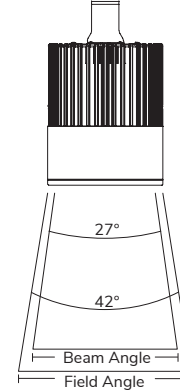
Photometric

Zoom Set: WFL

Output Setting	Zoom DMX Setting	Beam Angle	Field Angle	Candela	Beam Lumens	Lumens Per Watt
Full On				17055	3604	17.8
3000K*	191	27°	42°	12823	2568	24.2
5000K*				16110	3160	21.8

Throw Distance	10ft (3m)	15ft (4.6m)	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Field Diameter	7.5ft (2.3m)	11.4ft (3.4m)	15.1ft (4.6m)	22.7ft (6.9m)	30ft (9.1m)	37.8ft (11.5m)
Illuminance (fc) at Full On	170	76	42	19	10	7
Illuminance (lux) at Full On	1829	818	452	204	107	75

Note: To determine the center beam illumination in Footcandles at any distance, divide Candela by the distance squared.

Note: To Calculate the Field Diameter with the Fixture, Zoom set for WFL, Multiply any distance by 0.755
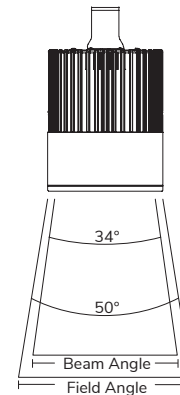
Note: To Calculate the Beam Diameter with the Fixture, Zoom set for WFL, Multiply any distance by 0.486

Note: * - The 3K and 5K results are taken with the RGBL Engine and with Calibration On.

Zoom Set: XWFL

Output Setting	Zoom DMX Setting	Beam Angle	Field Angle	Candela	Beam Lumens	Lumens Per Watt
Full On				11202	3665	18.1
3000K*	255	34°	50°	8050	2619	24.7
5000K*				10440	3254	22.4

Throw Distance	10ft (3m)	15ft (4.6m)	20ft (6.1m)	30ft (9.1m)	40ft (12.1m)	50ft (15.2m)
Field Diameter	9.0ft (2.7m)	13.5ft (4.1m)	18ft (5.5m)	27ft (8.2m)	36ft (11.0m)	45ft (13.7m)
Illuminance (fc) at Full On	112	49	28	12	7	5
Illuminance (lux) at Full On	1205	527	301	129	75	53

Note: To determine the center beam illumination in Footcandles at any distance, divide Candela by the distance squared.

Note: To Calculate the Field Diameter with the Fixture, Zoom set for XWFL, Multiply any distance by 0.90

Note: To Calculate the Beam Diameter with the Fixture, Zoom set for XWFL, Multiply any distance by 0.612
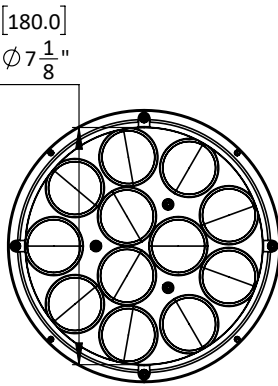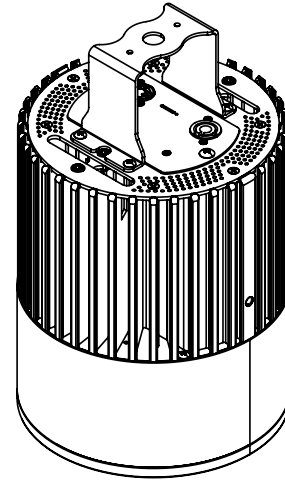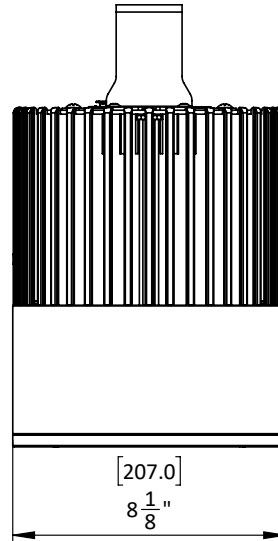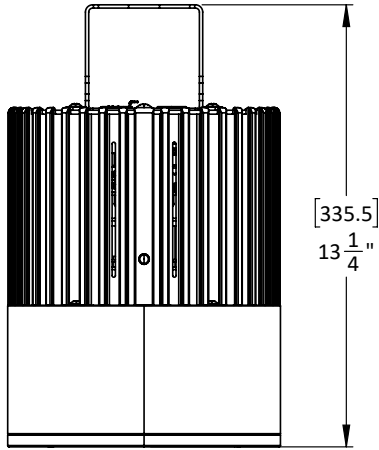
Note: * - The 3K and 5K results are taken with the RGBL Engine and with Calibration On.
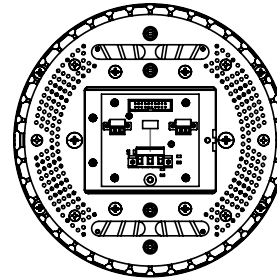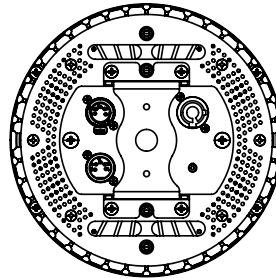
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Dimensions

Weight	Height	Width
15.20lbs (6.89kg)	13.25in (335.5mm)	8.12in (207mm)

335.5
$13\frac{1}{4}"$

207.0
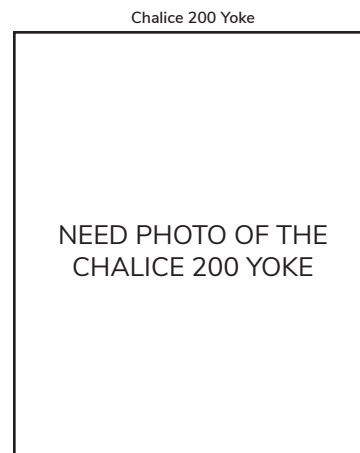$8\frac{1}{8}"$
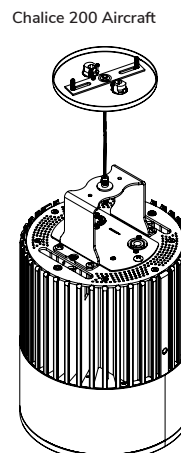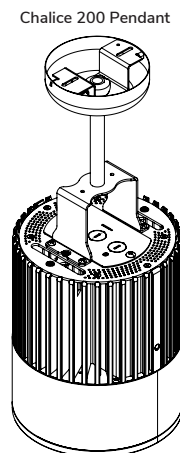
180.0
$\emptyset\, 7\frac{1}{8}"$

Model: CDP200-*-PC- -**
Chalice 200 Pendant with Power con and
XLR Connection

Model: CDP200-*-KO- -**
Chalice 200 Pendant with Knockout Plate and
Hardwire Connection

Mounting

Note: Mounting Options are sold
separately.

Chalice 200 Pendant

Chalice 200 Aircraft

Chalice 200 Yoke

NEED PHOTO OF THE
CHALICE 200 YOKE

Chalice 200 Pendant

Chalice 200W LED Pendant

Specifications

LED Source

LED Engine	12X20 Watt RGBL
Max Power Consumption	222 Watts
Rated LED Life:	Arrays are rated for >50,000 to L70
PWM (Pulse Width Modulation)	600hz to 25khz
Strobe	0-30HZ

Color

Color Used	RGBL, 3K, 5K Tuneable White (3K to 5K)
Color Temperature Range	2700K to 10000K
Dimming Curves	Linear, Incandescent and Standard
Tungsten Dimming Simulation	Off to 2500W
Color Calibration	Yes (On and Off Setting)

Optical

Zoom Range	Wash Mode: 6.5° to 32° Spot Mode: 8° to 50°
Aperture Size	7 1/2"
Zoom Lock	Patented Zoom Lock

Control and Programming

Input Connections	DMX512 via 5-pin XLR connector / Hardware via Terminal Block / Wireless
Protocols	DMX512/RDM
Modes	16bit Direct (15 DMX Channels) 16bit CMY (13 DMX Channels) 8bit Direct (10 DMX Channels) 8bit CMY (9 DMX Channels) RGB (5 DMX Channels) HSIC (10 DMX Channels) Compact Mode (6 DMX Channels) Compact with Zoom (7 DMX Channels)
RDM Configuration	Yes
User Interface	No Local UI. Configure the fixture via RDM
Presets	60 Preset Colors

Electrical

Voltage Range	100-240 VAC, 50/60 Hz
Input Connection	Neutrik PowerCon / Terminal Block Connection
Current Inrush	At 120 VAC, 50A (1/2 cycle) @25°C At 240 VAC, 40A (1/2 cycle) @25°C
Current Draw	1.67A @ 120VAC; 0.87A @ 230VAC
Power Factor	≥ 0.95
Quiescent Load:	6.05 Watts

Thermal

Ambient Operating Temp	0°–40° C (32°–104° F)
Fan	Convection Cooled
dB	N/A
BTUs/Hour	?

Construction

Materials	Corrosion-resistant materials and hardware
Color Options	Black, White or Custom
Mounting	Pendant, Aircraft or Yoke
IP Rating	IP20
Weight	15.20lbs (6.89kg)
Size	13.25in (335.5mm), 8.12in (207mm)

Warranty

Fixture	5 Years and 1 Day.
Support	Forever the life of the Product

Compliance

Compliance Marks	cETLus listed CE marked
Country of Origin	Assembled in the USA

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Ordering Information

Models

Model:	LED:	Data Connection:	Body Color:
CDP200	RGBL - Color Mixing 3K - Fixed 3K White 5K - Fixed 5K White TW - Tunable White (3K-5K)	PC - PowerCon / XLR Connection KO - Hardwire Connection	B - Black W - White C - Custom

Note: When ordering the fixture simply select an option from each column and that will produce your ordering part number .

Color: Fixture ship standard as Black. If White or Custom are required that could result in a longer lead time.

Mounting Options

Model:	Mounting Options:	Color:
CDP200	AIRCRAFT - Aircraft Cable Mount PENDENT - Pendant / Stem Mount YOKE - Yoke Mount	B - Black W - White C- Custom

Note: When you order a Chalice 200 Fixture the mount is no included. When ordering a mount simply select one option from each column from the Mounting Chart and that will produce your ordering part number.

Aircraft: Mounting: Maximum length for Aircraft cable = 20'-0" (6.1 m)
Pendant: Mounting: Minimum length of Pendant = 6"(152mm). Custom stem lengths available. Consult your local regional sales manager for details.

Accessories

Model:	Description:
510	Malleable Iron Clamp
515	Extruded Aluminum C-Clamp
SC-36-BK	36-Inch Black Safety Cable with Spring Clip
SS-SC-40-BK	40-Inch Stainless Steel Safety Cable with Spring Clip
CDP200-WIRELESS	Chalice 200 Wireless Kit
61-DMXCAT	DMXCAT DMX / RDM Setup Tool
DMX-5-TERM	XLR DMX Terminator

Power Input Cables

Model:	Connector Type:	Wire Size:	Length:
PCL - PowerCON Blue	BARE - Bare End Cable 2P&G - Stage Pin Male PBG - Edison Male TLG - L5-20 Twist Lock Male	12	5 - 5ft 10 - 10ft 25 - 25ft

Note: When ordering the PowerCON Cable simply select an option from each column and that will produce your ordering part number.

DMX Cables

Model:	Number of Pins:	Length:
XLR - DMX Cable	5 - 5 pin DMX	5 - 5ft 10 - 10ft 15 - 15ft 25 - 25ft 50 - 50ft 100 - 100ft

Note: When ordering the XLR DMX Cable simply select an option from each column and that will produce your ordering part number.