CHALICE 150W LED DOWNLIGHT

The Chalice 150 LED pendant downlight follows the Altman Lighting tradition of lighting quality. Designed specifically for the demands of theaters, churches and public venues, the Chalice 150 is a 145 Watt White LED pendant fixture that is an energy-efficient solution to general lighting needs.

The Chalice 150 addresses and alleviates the typical maintenance routines in difficult-to-access locations. The Chalice 150 uses a single-point source for optimal beam control, and offers a variety of reflector options for ceiling heights from 15 to 50 feet. Its powerful and clean non-pixelated and non-granulated output blends to seamless coverage in the most elegant setting.

Extremely smooth dimming reproduces the comfortable feel of traditional incandescent sources, at a fraction of the power consumption. Available in either Mains Dimming or DMX control allows each fixture to be controlled independently or in groups, from an architectural control system and/or directly from a theatrical control console.
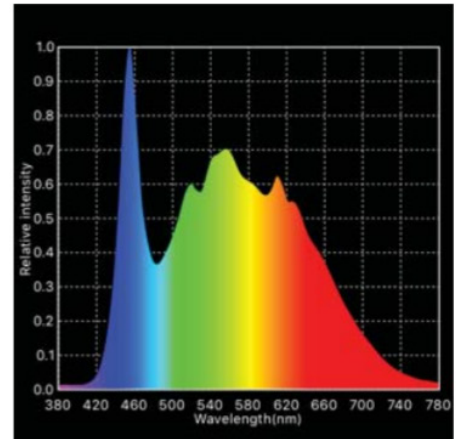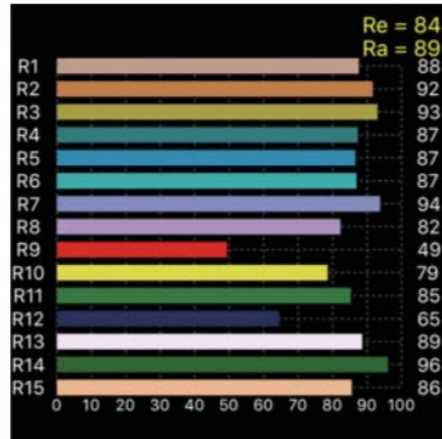
Chalice 150W LED Pendant

Product Features:

- 150W LED Driver
- Maximum 13,765 lumens
- 7 interchangeable reflectors
- CCT options 2700K, 3000K, 4000K, or 5000K
- 40° swivel ball ceiling mount
- DMX or Mains (line voltage) dimmable
- Push button DMX addressing and RDM compatible
- DMX pass-through
- Single channel high resolution DMX
- Selectable actions on loss of control signal (for DMX models only)
- Available in white, black, or custom colors
- cETLus listed for indoor applications
- Made in the USA
- Five (5) year and one (1) day warranty
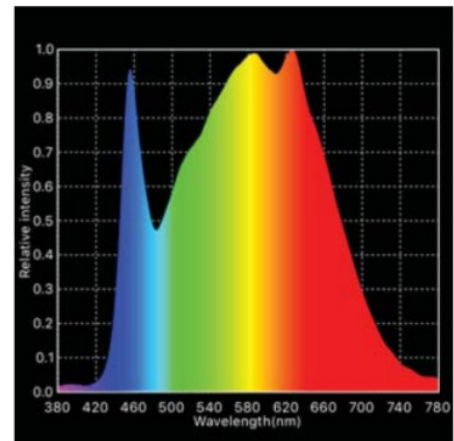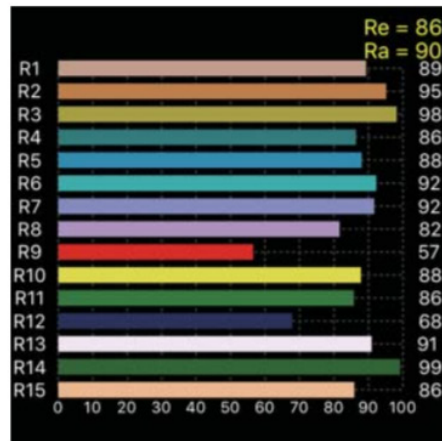- No cost technical support for the life of your product

Made in the USA

Photometric Performance

CHALICE CDP150 PHOTOMETRIC SCORE CARD – 5000K

CCT	5236
DUV	.0056
CRI	89
CQS	87
RE (R1-15)	84
TLCI (Qa)	89.3
TM-30-15 rf	86
TM-30-15 rg	96

Re = 84
Ra = 89

R1	88
R2	92
R3	93
R4	87
R5	87
R6	87
R7	94
R8	82
R9	49
R10	79
R11	85
R12	65
R13	89
R14	96
R15	86

CHALICE CDP150 PHOTOMETRIC SCORE CARD – 4000K

CCT	3940
DUV	.0034
CRI	90
CQS	89
RE (R1-15)	86
TLCI (Qa)	90.3
TM-30-15 rf	86
TM-30-15 rg	94

Re = 86
Ra = 90

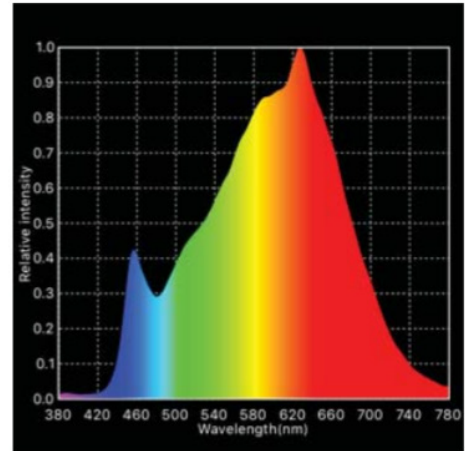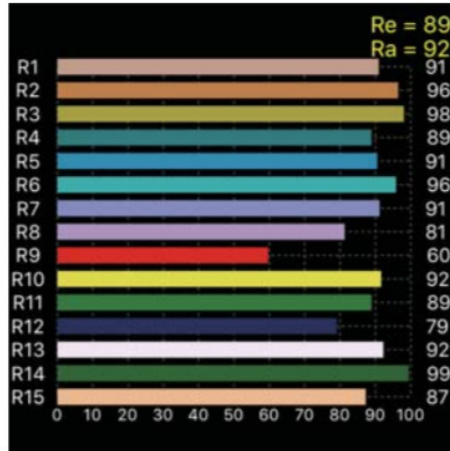|	
R1	89
R2	95
R3	98
R4	86
R5	88
R6	92
R7	92
R8	82
R9	57
R10	88
R11	86
R12	68
R13	91
R14	99
R15	86

Additional information continued on next page.

Note: Complete TM-30 information can be found in the CDP150 Photometrics information sheet. This document is found on the Altman Lighting web site in the CDP150 pendant luminaire Support section.

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L I G H T I N G

Photometric Performance (continued)

CHALICE CDP150 PHOTOMETRIC SCORE CARD – 3000K	
CCT	3014
DUV	.0022
CRI	92
CQS	91
RE (R1-15)	89
TLCI (Qa)	92.3
TM-30-15 rf	88
TM-30-15 rg	95

Re = 89
Ra = 92

R1	91
R2	96
R3	98
R4	89
R5	91
R6	96
R7	91
R8	81
R9	60
R10	92
R11	89
R12	79
R13	92
R14	99
R15	87

CHALICE CDP150 PHOTOMETRIC SCORE CARD – 2700K	
CCT	2679
DUV	-0.0015
CRI	89
CQS	89
RE (R1-15)	86
TLCI (Qa)	84.4
TM-30-15 rf	88
TM-30-15 rg	97

Re = 86
Ra = 89

R1	89
R2	97
R3	95
R4	87
R5	90
R6	97
R7	85
R8	70
R9	39
R10	93
R11	88
R12	86
R13	91
R14	98
R15	83

Note: Complete TM-30 information can be found in the CDP150 Photometrics information sheet. This document is found on the Altman Lighting web site in the CDP150 pendant luminaire Support section.
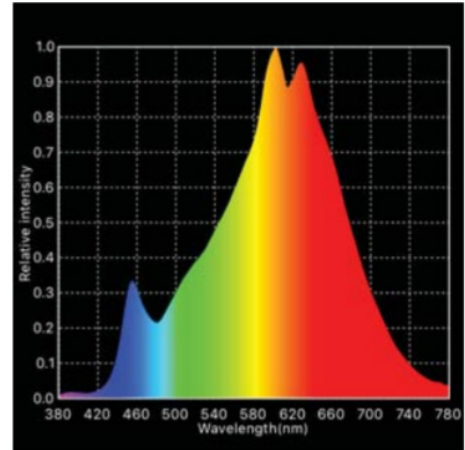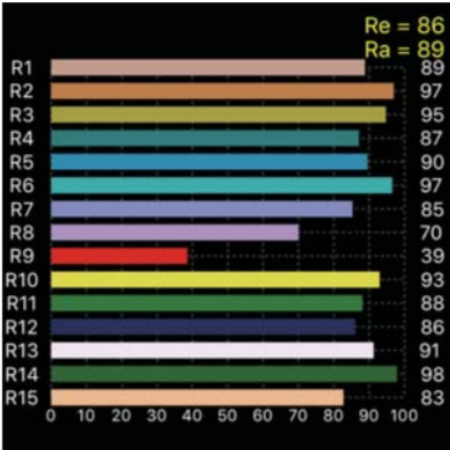
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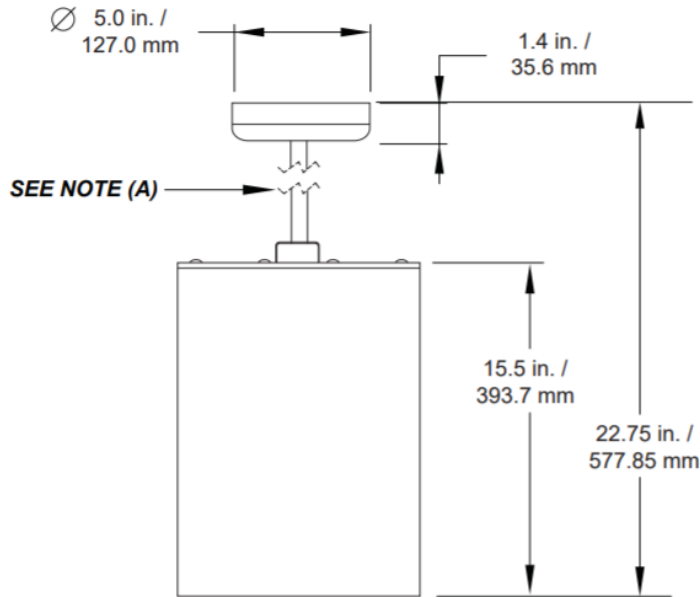LIGHTING

Photometric Performance

Photometric data taken with CDP150 fixture at the shown CCT values. Some Clipping of the beam will occur with the use of the 91 degree Extra Wide Flood Reflector. Please see Chalice 150 IES files on the Altman Lighting web site for additional beam characteristics.

CCT	Reflector Type	Lumen Output	10'-0" (3.048m)	20'-0" (6.096m)	30'-0" (9.144m)	40'-0" (12.192m)	50'-0" (15.240m)	
5000K	20 Degree Narrow Spot	13765.0	586.75	148.8	66.1	36.67	23.47	fc
			6313.43	1600.6	711.4	394.56	252.53	lux
	29 Degree Spot	11366.0	263.28	65.82	30.2	16.46	10.53	fc
			2832.89	708.22	325.2	117.10	113.30	lux
	39 Degree Narrow Flood	10529.0	129.0	32.3	14.3	8.07	5.16	fc
			1388.0	347.0	154.2	86.83	55.52	lux
	46 Degree Medium Flood	10367.0	160.0	40.0	17.8	9.96	6.38	fc
			1721.6	430.4	191.3	107.16	68.64	lux
	51 Degree Wide Flood	10733.0	109.0	27.3	12.1	6.78	4.34	fc
			1172.8	293.2	130.3	72.95	46.69	lux
	64 Degree Very Wide Flood	12303.0	108.0	27.0	12.0	6.71	4.29	fc
			1162.1	290.5	129.1	72.19	46.16	lux
	91 Degree Extra Wide Flood	10780.0	52.0	13.0	5.8	3.24	2.07	fc
			559.5	139.9	62.2	34.86	22.27	lux
4000K	20 Degree Narrow Spot	12949.0	555.0	138.8	61.7	34.65	22.17	fc
			5971.8	1493.0	663.5	372.83	238.54	lux
	29 Degree Spot	10688.0	246.0	61.5	27.3	15.32	9.81	fc
			2647.0	661.7	294.1	164.84	105.55	lux
	39 Degree Narrow Flood	9909.0	122.0	30.5	13.6	7.59	4.86	fc
			1312.7	328.2	145.9	81.66	52.29	lux
	46 Degree Medium Flood	9748.0	147.0	37.0	16.4	9.19	5.88	fc
			1581.72	398.1	176.9	98.88	63.26	lux
	51 Degree Wide Flood	10094.0	99.0	24.8	11.0	6.18	3.96	fc
			1065.2	266.3	118.4	66.49	42.60	lux
	64 Degree Very Wide Flood	11572.0	104.0	26.0	11.6	6.47	4.14	fc
			1119.0	279.8	124.3	69.61	44.54	lux
	91 Degree Extra Wide Flood	10144.0	51.0	12.8	5.7	3.14	2.01	fc
			548.8	137.2	61.0	33.78	21.62	lux
3000K	20 Degree Narrow Spot	11746.0	507.0	126.8	56.3	31.65	20.25	fc
			5455.3	1363.8	606.1	340.55	217.89	lux
	29 Degree Spot	9697.0	229.0	57.3	25.4	14.29	9.15	fc
			2464.0	616.0	273.8	153.76	98.45	lux
	39 DegreeNarrow Flood	8983.0	112.0	28.0	12.4	6.97	4.46	fc
			1205.1	301.3	133.9	74.99	47.98	lux
	46 Degree Medium Flood	8845.0	135.0	33.8	15.0	8.39	5.37	fc
			1452.6	363.2	161.4	90.27	57.78	lux
	51 Degree Wide Flood	9155.0	92.0	23.0	10.2	5.71	3.65	fc
			989.9	247.5	110.0	61.43	39.27	lux
	64 Degree Very Wide Flood	10499.0	95.0	23.8	10.6	5.9	3.78	fc
			1022.2	255.6	113.6	63.48	40.67	lux
	91 Degree Extra Wide Flood	9196.0	44.0	11.0	4.9	2.71	1.73	fc
			473.4	118.4	52.6	29.15	18.61	lux
2700K	20 Degree Narrow Spot	11016.0	476.0	119.0	52.9	29.75	19.04	fc
			5121.8	1280.4	569.1	320.11	204.87	lux
	29 Degree Spot	9097.0	211.0	52.8	23.4	13.2	8.45	fc
			2270.4	567.6	252.3	142.03	90.92	lux
	39 DegreeNarrow Flood	8426.0	104.0	26.0	11.6	6.5	4.16	fc
			1119.0	279.8	124.3	69.94	47.76	lux
	46 Degree Medium Flood	8294.0	124.0	31.0	13.8	7.7	4.93	fc
			1334.2	333.6	148.2	82.85	53.04	lux
	51 Degree Wide Flood	8685.0	87.0	21.8	9.7	5.40	3.45	fc
			936.1	234.0	104.0	58.10	37.12	lux
	64 Degree Very Wide Flood	9849.0	89.0	22.3	9.9	5.52	3.53	fc
			957.6	239.4	106.4	59.39	37.98	lux
	91 Degree Extra Wide Flood	8627.0	44.0	11.0	4.9	2.72	1.74	fc
			473.4	118.4	52.6	29.26	18.72	lux

Note: All photometrics above including published IES files have been taken with the DMX version of this product. The output on the mains dim version may vary depending upon the connected dimming system's efficiency.
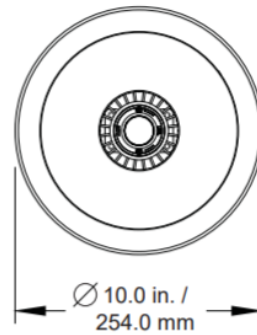
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Dimensional Drawing

Pendant Mount

Ø 5.0 in. / 127.0 mm

1.4 in. / 35.6 mm

SEE NOTE (A)

15.5 in. / 393.7 mm

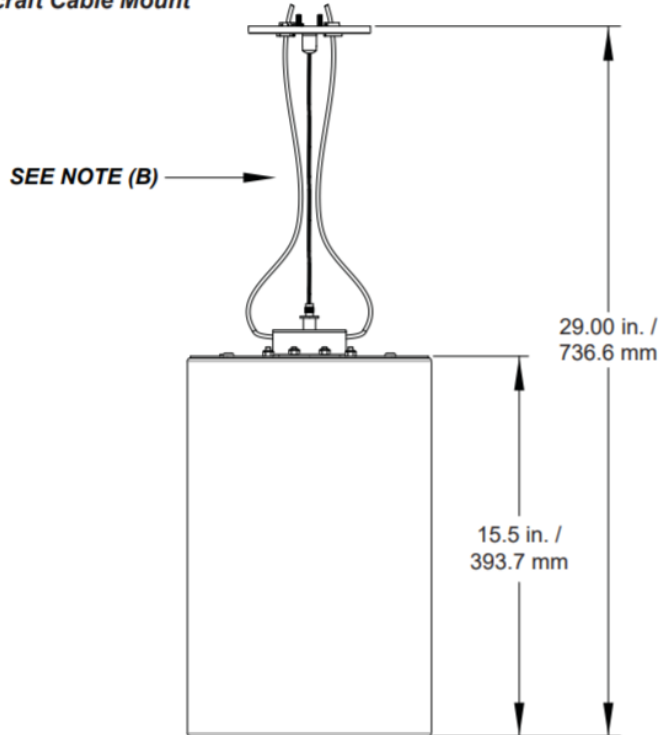22.75 in. / 577.85 mm

Ø 10.0 in. / 254.0 mm

NOTES:

(A) Specify Length of stem: 6 in. / 152.4 mm (minimum) to 72 in. Measurement shown with 6-inch stem and canopy for reference only. Additional stem lengths available. Please consult your Altman Lighting regional sales manager for details.
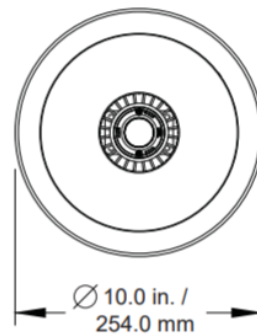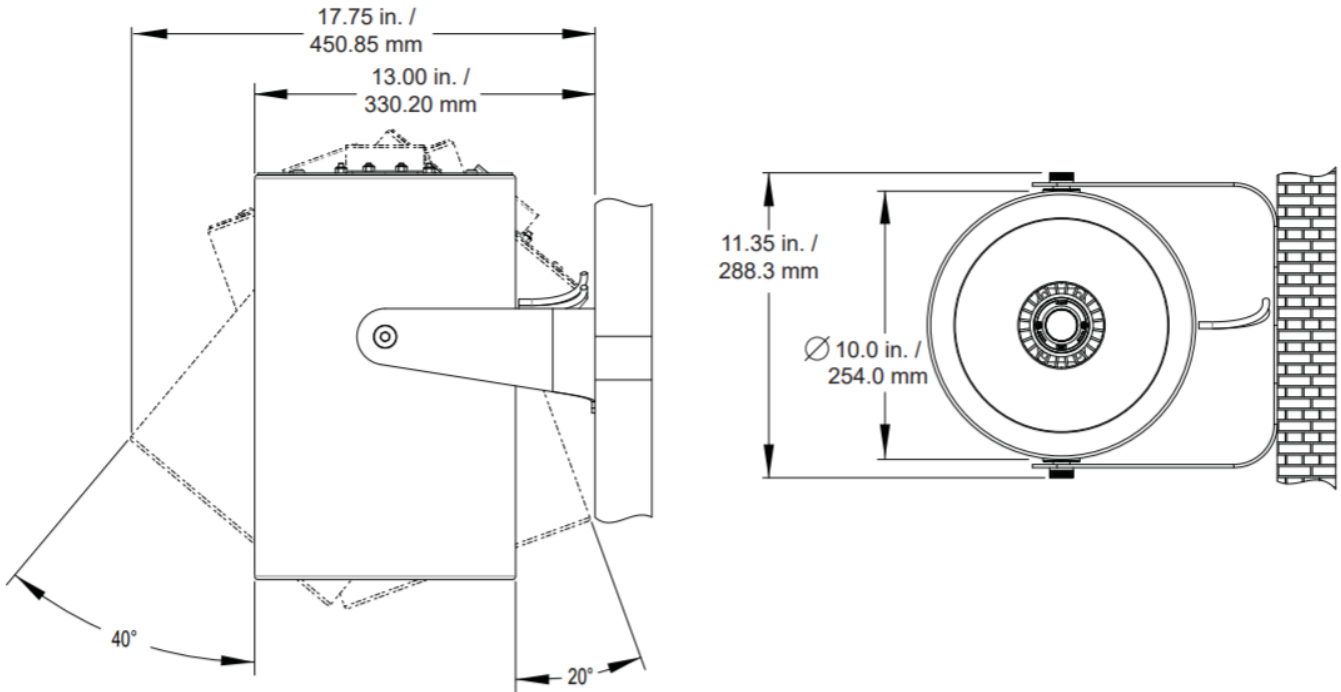
Aircraft Cable Mount

SEE NOTE (B)

29.00 in. / 736.6 mm

15.5 in. / 393.7 mm

Ø 10.0 in. / 254.0 mm

NOTES:

(B) Specify Length of aircraft cable: Up to 20 ft. / 6.1 m. Measurement shown with 12-inch cable for reference only.

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LIGHTING

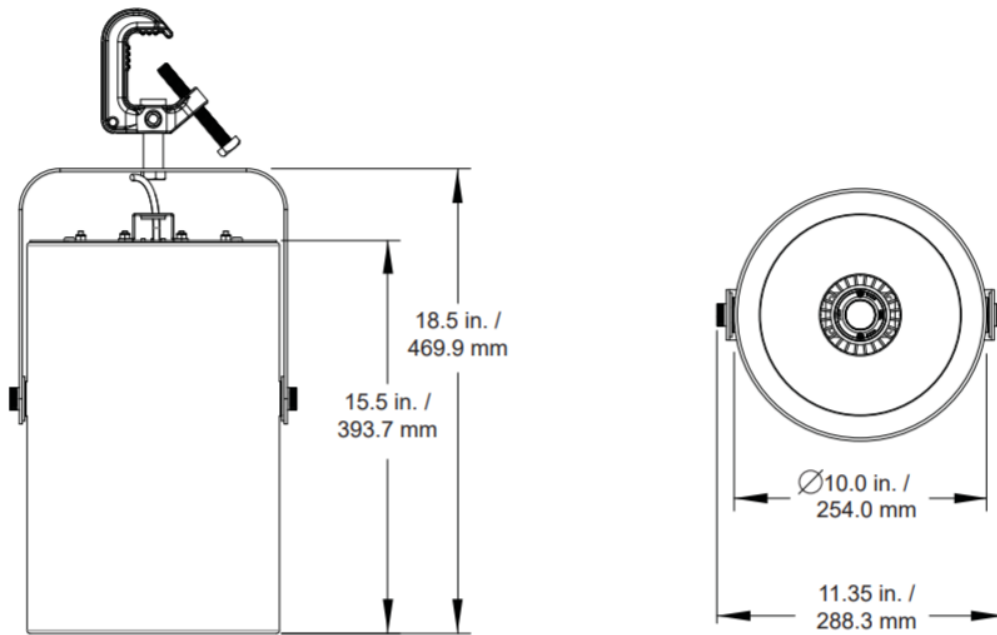## Dimensional Drawing

Wall Mount

17.75 in. / 450.85 mm

13.00 in. / 330.20 mm

11.35 in. / 288.3 mm

∅ 10.0 in. / 254.0 mm

40°

20°

Yoke Mount

18.5 in. / 469.9 mm

15.5 in. / 393.7 mm

∅10.0 in. / 254.0 mm

11.35 in. / 288.3 mm

ALTMAN
LIGHTING

Specifications

Materials:	Corrosion-resistant materials and hardware
Control:	Mains dimmable or DMX/RDM
Light Engine:	145W LED Array - Available in 2700K, 3000K, 4000K, or 5000K
Lumens:	Maximum 13,765
Rated LED Life:	Array rating >50,000 hours to L70
Input Voltage:	100-277 VAC 50/60 Hz
Watts:	150
Current Draw:	DMX Models: 1.2A @ 120VAC / 0.68A @220VAC / 0.58A @ 277VAC
	Mains Dimmable Models: 1.11A @120VAC / 0.50A @ 240VAC
Power Factor	> 0.92 @ Full Load (Mains Dimmable Models)
Current Inrush	15Apk Max 1/2 cycle @230VAC
Quiescent Load	3.1 Watts (DMX Models Only)
LED Engine Cooling:	(Mains Dimmable Models)
Environment:	Convection, passive
	0 - 40°C (32 - 104°F) with humidity of 5-95% non-condensing)
Weight:	28.25 lbs. (12.81 kgs.)
Body Color:	
Compliance:	cETLus listed for indoor use
Warranty:	Five (5) years and One (1) day
Support:	Supported Forever - free phone and online tech support for the life of your product.

Please note that noise levels on mains dim luminaries are subject to the dimming/switching systems in which they are wired. Electrical systems displaying harmonics may increase the audible noise output from the luminaire.

IMPORTANT! For fixtures that are mains dim controlled, do not connect more than four (4) luminaires to the same dimmer. Connecting more than four luminaires to the same dimmer will result in undesired low-end dimmer response. Note: dimmer must be sized appropriately to handle the luminaire load.

Ordering Information

CDA150-(LED ARRAY)-(BODY COLOR)-(CONTROL)- (VOLTAGE)
Model CDA150 Chalice Pendant Aircraft Cable LED Luminaire*

CDP150-(LED ARRAY)-(BODY COLOR)-(CONTROL)- (VOLTAGE)
Model CDP150 Chalice Pendant LED Luminaire**

CDY150-(LED ARRAY)-(BODY COLOR)-(CONTROL)- (VOLTAGE)
Model CDY150 Chalice Yoke Mount LED Luminaire

CDW150-(LED ARRAY)-(BODY COLOR)-(CONTROL)- (VOLTAGE)
Model CDP150 Chalice Wall Mount LED Luminaire

LED Array:	2K (2700K), 3K (3000K), 4K (4000K) or 5K (5000K)
Body Color:	Black (B) or White (W) or Custom (C)***
Control:	DMX Control (D) or Mains Dimmable (M)****
Voltage:	120 (120VAC), 220 (220VAC), or 277 (277VAC)

Notes:
* Mounting: Maximum length for Aircraft cable = 20'-0" (6.1 m)
** Mounting: Minimum length of Pendant = 6"(152mm) to 72" / (1.8 m) maximum. Custom stem lengths available. Consult your local regional sales manager for details.
***Consult factory before ordering.
****Mains Dimmable models available in 120VAC or 220VAC only.

Accessories

19-F13379	20 Degree Narrow Spot Reflector
19-F13380	29 Degree Spot Reflector
19-F13325	39 Degree Narrow Flood Reflector
19-F13381	46 Degree Medium Flood Reflector
19-F13401	51 Degree Wide Flood Reflector
19-F13402	64 Degree Very Wide Flood Reflector
19-F13838	91 Degree Extra Wide Flood Reflector
510	Malleable Iron Pipe Clamp
99-C545-S-*	Ball Mount Assembly
70-3980	Aircraft Cable Suspension Assembly (natural silver only)
CDP150-TH-*	CDP150 Top Hat
CDP150-HTH-*	CDP150 Half Top Hat
CDP150-BD-*	CDP150 four flap Barn Door
61-0265	RAD (Remote Authorization Device) for remotely addressing fixtures via RDM

Note: * For these optional accessories, specify color Black (B), White (W) or Custom (C). For custom colors, consult factory before ordering.