

CHALICE DOWNLIGHT PENDANT

WASH LIGHTING

Catalog Numbers
 CDP100-*_**_***
 CDW100-*_**_***
 CDY100-*_**_***

Chalice from Altman Lighting is a 100W LED architectural down light designed for permanent installation and energy savings. Changing lamps in your fixtures has now become a thing of the past.

Integration into an existing control system is easy with the simple three-button DMX addressing located at the top of the fixture: set it once and enjoy a smoothly integrated and energy efficient illumination solution for your area of choice.

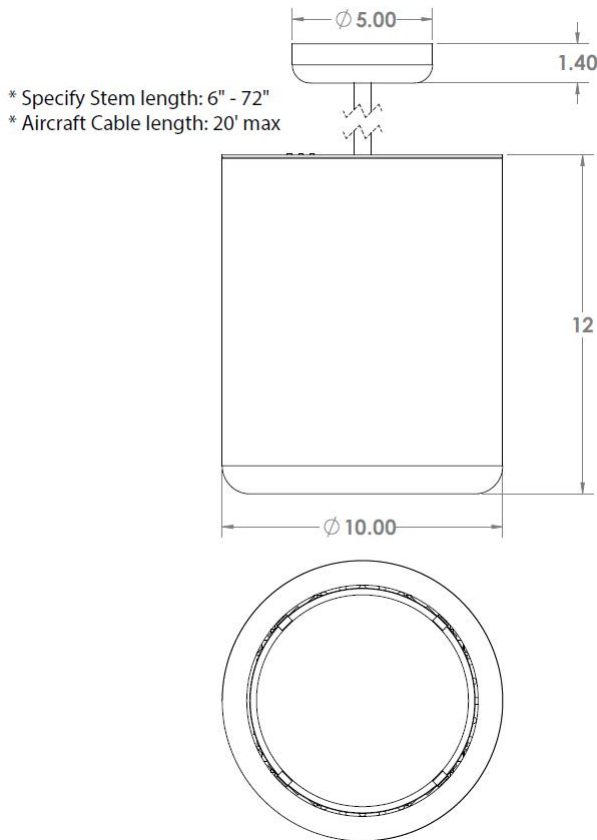
The fixture is able to be controlled by your entertainment console, architectural control system or both; also available as a mains dimmable fixture for those facilities being built without a DMX control system, or for easy retrofit to a current installation for energy savings.



100 WATT CHALICE DOWNLIGHT PENDANT

Features

- Available in three configurations: Pendant, Wall and Yoke mount
- 9 interchangeable lenses
- DMX or Mains Dimmable
- Push Button DMX Addressing and RDM compatibility
- DMX Pass through
- Flicker Free mode with 8-bit or 16-bit selectable operation
- 45° swivel ball mount
- Power: 100W LED driver
- Weight: Approx 12 lbs.
- ETL, cETL and CE Listed for Indoor Use
- Made in the USA



Model #	
CD#100-*_**_***	Chalice 100W LED Pendant Mount Downlight
# (Mounting Method)	Add the following code for Mounting Method: P=Pendant, W=Wall, Y=Yoke
* (LED Array)	Add the following code for LED Array: RGBA, RGBW, 3K, 3K6K
** (Body Color)	Add the following code for Body Color: B=Black, W=White, S=Silver, C=Custom
*** (Intensity Control)	Add the following code for Intensity Control: D=DMX, M=Mains Dimmable, (SCR)

Specifications:

Output: 6,000 Lumens.

Materials: Construction employs all corrosion-resistant materials and hardware.

Housing: Corrosion resistant aluminum outer shell with aluminum interior components.

Light Engine: Luxeon Rebel LED's, 100 Watt. Available in 3,000K White; 3,000K - 6,000K Variable White; RGBA or RGBW. Rated for 50,000 hours.

Lenses: 8" Diameter borosilicate glass PAR 64 or Acrylic conical

Rating: Multi-Voltage; 100-240V AC 50/60 Hz or Mains Dimmable Direct Driver compatible with SCR dimming modules.

NOTE: For Mains Dimmable fixtures, Altman Lighting recommends the use of 5 or more fixtures per dimming circuit for proper dimming performance.

Data Ports: 1 DMX in & 1 DMX through, Bare End Cat5. (DMX version ONLY)

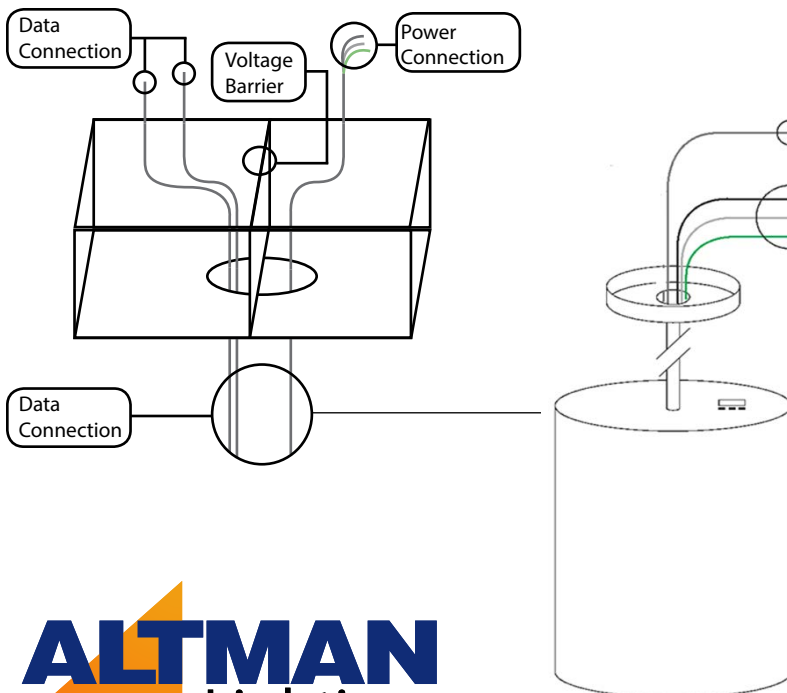
Finish: White, Black or Silver TGIC polyester, electrostatic application. Custom Colors available.

Weight: Approx. 12 lbs.

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Accessories	Description
18-0110	Very Narrow Spot Lens
18-0111	Narrow Flood Spread Lens
18-0112	Medium Flood Spread Lens
18-0113	Wide Flood Spread Lens
18-0114	Extra Wide Flood Spread Lens
SS-8CDL-20	20° Beam Angle Lens
SS-8CDL-30	30° Beam Angle Lens
SS-8CDL-60	60° Beam Angle Lens
SS-*CDL-P95	P95 Diffusion Lens
70-3980	Aircraft Cable Suspension Assembly
99-C545-S-**	Ball Mount Assembly
CDP100-SN-**	Full Snoot
CDP100-HSN-*	Half Snoot
CDP100-CBSN-**	Cross Baffle Snoot

WIRING DETAILS:



DMX CONNECTION	WIRE COLOR	HARD WIRE CONNECTION
DMX INPUT	White/Orange	Data 1 (+)
	Orange	Data 1 (-)
	White/Brown	Data 1 Common
DMX OUTPUT	White/Green	Data 2 (+)
	Green	Data 2 (-)
	Brown	Data 2 Common

POWER CONNECTION	WIRE COLOR	HARD WIRE CONNECTION
120VAC/60hz	Black	Hot / Mains
	White	Common - Neutral
	Green	Earth - Ground
100/240VAC /50hz	Brown	Hot / Mains
	Blue	Neutral
	Green/Yellow	Earth - Ground

DMX 512 XLR and RJ45 Connections		
DMX 512 Signal	XLR Pin	RJ45 Pin
Common (Drain)	1	7
DMX 512 Minus (-)	2	2
DMX 512 Plus (+)	3	1

Note: Remaining pins on each connector are not used

NOTE: Chalice utilizes One (1) piece of Category 5 Belden 1592A cable for all Data connectivity. Three (3) of the conductors are used for data input and three (3) conductors for data output. The White/Blue & Blue conductors are not used.

Photometrics:

Photometric data taken with all channels at full, and reflects the output of the fixture with each of the lensing systems installed. Comparisons between fixtures should only be made with photometric data that incorporates the lensing system to be used. Photometric data collected using a 3,000°K White LED fixture.

Performance per Lens:

VNSP Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	1.9' x 1.9' 0.6m x 0.6m	2.9' x 2.9' 0.9m x 0.9m	3.86' x 3.86' 1.2m x 1.2m	4.8' x 4.8' 1.5m x 1.5m
Illuminance (fc)	639	284	160	102
Illuminance (lux)	6,876	3,056	1,722	1,098

NSP Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	2.1' x 2.1' 0.6m x 0.6m	3.2' x 3.2' 1m x 1m	4.3' x 4.3' 1.3m x 1.3m	5.3' x 5.3' 1.6m x 1.6m
Illuminance (fc)	528	235	132	85
Illuminance (lux)	5,681	2,529	1,420	909

MFL Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	3.2' x 1.9' 1m x 0.6m	4.8' x 2.9' 1.5m x .89m	6.4' x 3.8' 2m x 1.2m	8' x 4.8' 2.4m x 1.5m
Illuminance (fc)	256	114	64	41
Illuminance (lux)	2,755	1,227	689	441

WFL Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	5' x 2.1' 1.5m x .7m	7.5' x 3.2' 2.3m x 1m	10' x 4.2' 3m x 1.3m	12.5' x 5.3' 3.8m x 1.6m
Illuminance (fc)	114	51	29	18
Illuminance (lux)	1,227	549	280	194

XWFL Lens

Throw Dis- tance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	9.5' x 9.6' 2.9m x 2.9m	14.3' x 14.3' 4.4m x 4.4m	19' x 19' 5.8m x 5.8m	23.8' x 24' 7.2m x 7.3m
Illuminance (fc)	35	18	11	7
Illuminance (lux)	377	204	118	75

20° Conical Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	5.2' x 4.7' 1.6m x 1.4m	7.8' x 7.5' 2.4m x 2.3m	10.4' x 9.4' 3.2m x 2.9m	13' x 11.8' 4m x 3.6m
Illuminance (fc)	95	42	24	15
Illuminance (lux)	1022	452	258	161

30° Conical Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	6.5' x 6.5' 2m x 2m	10' x 10' 3m x 3m	23' x 23' 7m x 7m	16' x 16' 5m x 5m
Illuminance (fc)	39	17	10	6
Illuminance (lux)	420	183	108	65

60° Conical Lens

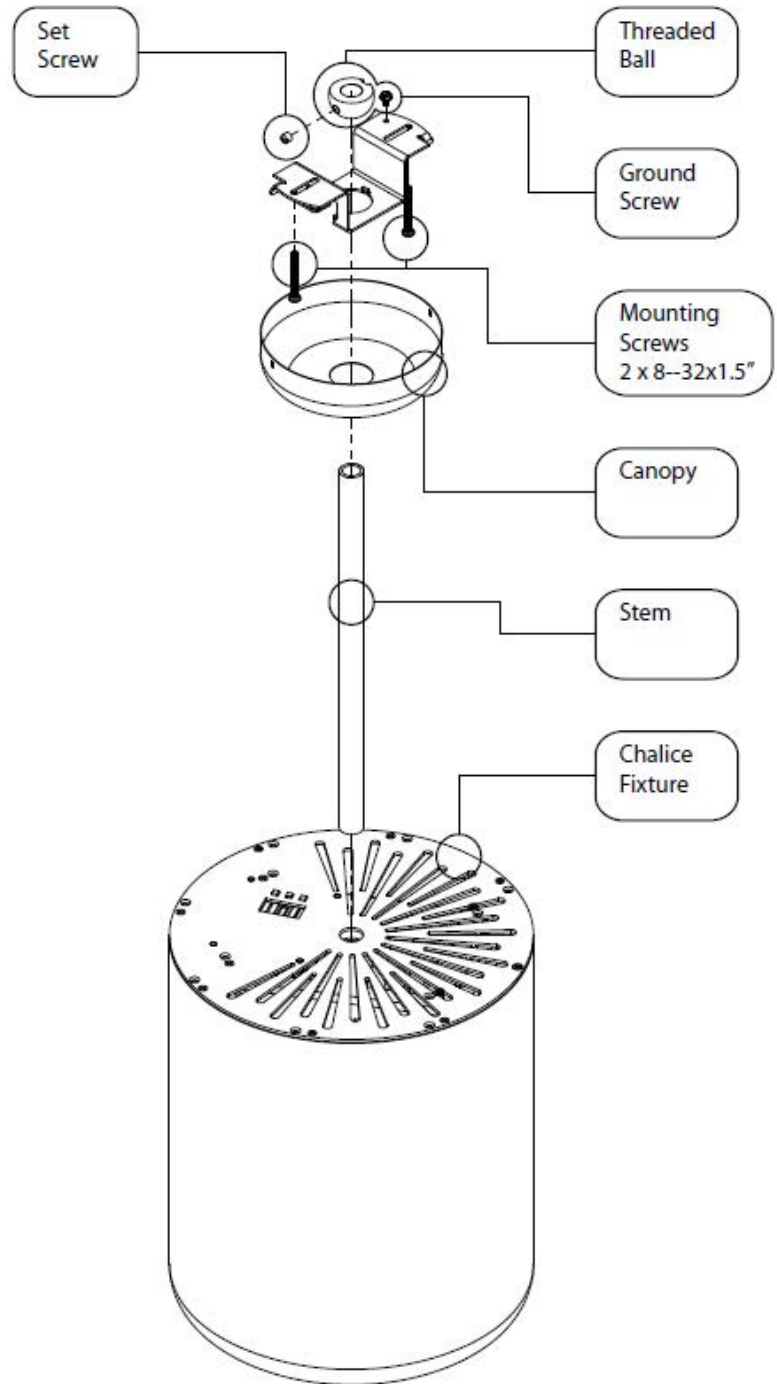
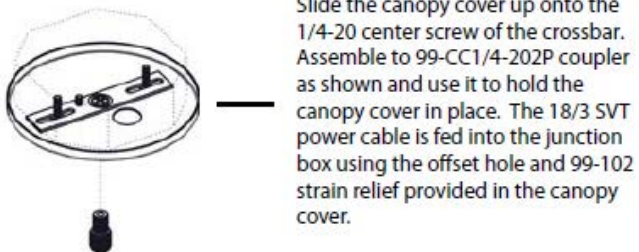
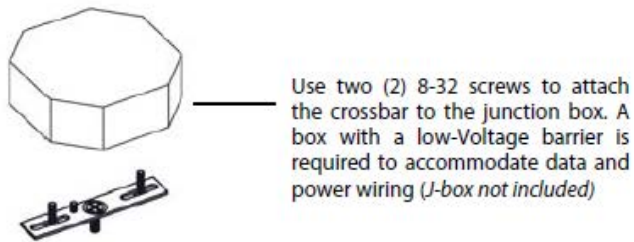
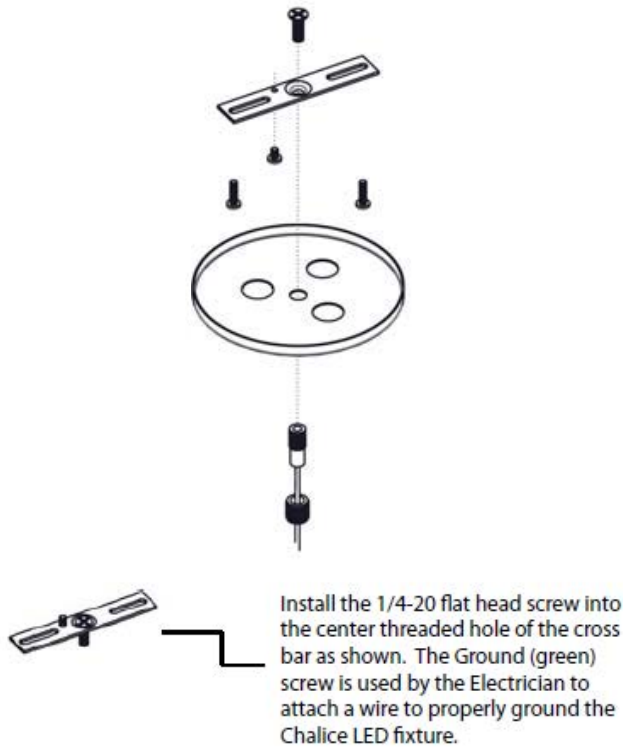
Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	11.3' x 12' 3.4m x 3.7m	17' x 18' 5.2m x 5.5m	23' x 24' 7m x 7.3m	28' x 30' 8.5m x 9m
Illuminance (fc)	30	13	7.5	5
Illuminance (lux)	323	140	81	54

P95 High Transmission Conical Lens

Throw Distance (d)	10' 3m	15' 4.6m	20' 6.1m	25' 7.6m
Beam Size, (H x V)	3.8' x 3.8' 1.2m x 1.2m	5.7' x 5.7' 1.7m x 1.7m	7.6' x 7.6' 2.3m x 2.3m	9.5' x 9.5' 2.9m x 2.9m
Illuminance (fc)	235	104	59	38
Illuminance (lux)	2529	1119	635	409

J-Box Connection Details:

Ball Mount Details:



Cable Mount Details:

