



13" ROUND DIRECT STAGE-PRO SERIES



C1320XT - CEILING MOUNT

APPLICATION

13" round x 20" high XT series Stage Pro luminaire for auditorium and area lighting.

FEATURES

Architectural high performance LED Cylinder luminaire. Designed to illuminate auditoriums, houses of worship and other spaces where LED color quality and control are required. This series offers .1% dim to black as well as DMX, ELV and DALI dimming. Rugged design with flexible mounting, finish and LED options make these extremely versatile fixtures. Quick change LED module with interchangeable optics for job site flexibility and fixture upgrade.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. See mounting and color pages for standard finishes. All exposed materials are chromate pretreated to resist corrosion.

ELECTRONICS

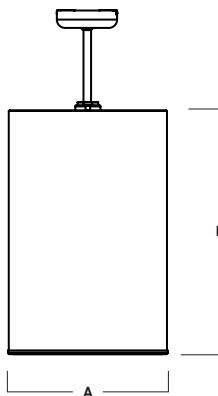
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic 120V/277V and dimming drivers. DMX specified control will register as 4 individual unit loads on a DMX universe.

CONSTRUCTION

Housing constructed of .080 aluminum. Specular primary optical reflectors provide high efficiency illumination. Stainless steel hardware with galvanized steel brackets to resist corrosion.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Manufactured and tested to UL standards No. 1598/8750.



A	B
13.3 337.8 mm	20.1 510.5 mm

Fixture Weight: 27.5 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS ³	LPW
C1320XT52L	5200	4750	60.0	79
C1320XT80L	8000	7308	94.8	77
C1320XT120L	12000	11301	138.4	82
C1320XT160L	16000	14072	159.6	88
C1320XT200L	20000	18270	207.0	88

SERIES	LUMENS ¹		CCT	OPTICS		DRIVER / DIMMING ⁶		OPTIONS ¹⁰		TRIM		MOUNTING ¹²		FINISH ¹⁵		
C1320XT	52L	5200 Lm	83 CRI	XN ⁵	12°	EX	Electronic Driver, 120V/277V	FS	Fuse Holder and Fuse	TSG ¹¹	Semi	HM ¹³	Hang Straight	MW ¹⁶	Matte White	
	80L	8000 Lm	27K	2700K	ND	25°	DS10X	10%, 1-10V, 120V/277V	SC1	Safety Cable	Diffuse Low Iridescent Clear	PM ¹³	Pendant Mount	MB ¹⁶	Matte Black	
	120L	12000 Lm	30K	3000K	MD	38°	DO10X	1%, 0-10V, 120V/277V				AT ¹³	Hang Straight All Thread	PT ¹⁶	Platinum Silver	
	160L	16000 Lm	35K	3500K	WD	55°	DL3EX ⁷	1%, Lutron® EcoSystem®				CD ^{13/14}	Cord / Cable Mount	CC	Custom Color	
	200L	20000 Lm	40K	4000K	XW	58°										
							ED01X	Fade, 120V/277V			TMB	Matte Black	CD3X ^{13/14}	3 Cable Mount with Cord		
							DALI	0.1%, eldoLED 120V/277V			TCY	Same Color as Cylinder	HC	Hook / Cord		
							DMXS ^{8/9}	DMX Standard Configuration			TCC	Custom	SM	Surface Mount		
							DMXC ^{8/9}	DMX Non-Standard Custom				Color	CQD ⁹	DMX Large Driver Canopy		
				98 CRI ⁴									EMERGENCY BATTERY OPTIONS			
			27HK	2700K								EMRM	7W Remote EM			
			30HK	3000K								EMEN	7W Remote with Enclosure			
			35HK	3500K												
			40HK	4000K												

EXAMPLE: C1320XT80L27KNDD510X/TSG/PM36/MW

NOTES:

1 Nominal Source Lumens At Any CCT 2 Nominal Delivered Lumens at 83 CRI at Any CCT with MD-TSG-MW 3 At 83 CRI 4 120L Max 5 80L Max 6 Contact Factory for Additional Options 7 200L Not Available with Lutron Drivers 8 Contact Factory 9 CGD Required for DMXS/C. Luminaire will Register as 4 Individual Unit Loads on DMX Universe 10 See Product Options Page for Details 11 Standard Finish 12 See Mounting Page for Details on Components and Finishes 13 Specify Length in Inches: See Mounting Page for Available Lengths 14 EMxxx Option Requires 2 Cords 15 Reference Color Sheet Located on Product Webpage for Full List of Available Colors/Consult Factory for Special Finishes 16 Standard Finishes



PROJECT:

QUANTITY:

TYPE:



13" ROUND DIRECT
STAGE-PRO SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK

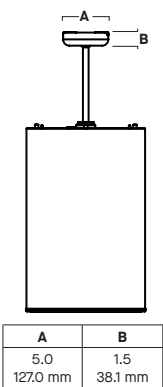


PT
PLATINUM SILVER

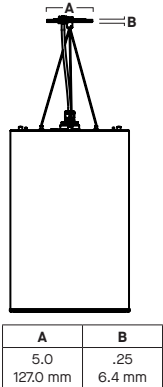


MOUNTING TYPES

HM / PM / AT
HANG STRAIGHT / PENDANT / ALL THREAD



CD3X
CORD / CABLE MOUNT



HC
HOOK AND CORD



SM
SURFACE MOUNT

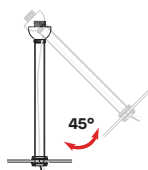
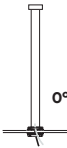
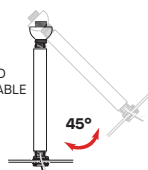
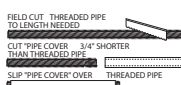
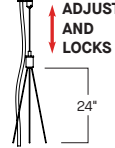
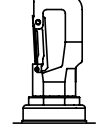
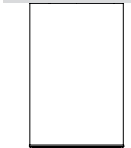


STANDARD MOUNTING & ACCESSORIES

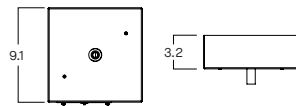
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF CYLINDERS SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.



MOUNTING TYPES

HM* HANG STRAIGHT 45° SWIVEL 5/8" OD STEM - 3/8" IP  ORDER: HM (Length) SPECIFY LENGTH: HM3 - 3" HM24 - 24" HM6 - 6" HM36 - 36" HM12 - 12" HM48 - 48" HM18 - 18" HM72 - 72" HMLC(XX) Custom Length (Specify in Inches)	PM* RIGID PENDANT MOUNT RIGID 5/8" OD STEM - 3/8" IP  ORDER: PM (Length) SPECIFY LENGTH: PM3 - 3" PM24 - 24" PM6 - 6" PM36 - 36" PM12 - 12" PM48 - 48" PM18 - 18" PM72 - 72" PMLC(XX) Custom Length (Specify in Inches)	AT** HANG STRAIGHT ALL THREAD 45° SWIVEL 5/8" OD STEM - 1/4" IP  ORDER: AT (Length) SPECIFY LENGTH: AT12 - 12" AT24 - 24" AT36 - 36"  *MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.	CD CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE  ORDER: CD (Length) SPECIFY LENGTH: CD36 - 36" CD72 - 72" CD144 - 144" CDLC(XX) Custom Length (Specify in Inches)	CD3X CORD / CABLE MOUNT SJ CORD WITH 1/16 SS CABLE  ORDER: CD3X (Length) SPECIFY LENGTH: CD3x36 - 36" CD3x72 - 72" CD3x144 - 144" CDLC3X(XX) Custom Length (Specify in Inches)	HC HOOK & CORD FOR INDEPENDENT MOUNTING  ORDER: HC	SM SURFACE MOUNT WIRING COMPARTMENT / TOP HAT  ORDER: SM
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DMX OPTION

CQD - LARGE DRIVER CANOPY FOR DMX OPTIONS 
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REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY
(50' MAX)

A technical diagram of the EMRM battery. It shows a rectangular battery with a top layer and a bottom layer. Dimension A is the height of the top layer. Dimension B is the length of the top layer. Dimension C is the length of the bottom layer. The bottom layer is slightly wider than the top layer.

A	B	C
1.3	12.6	13.0

EMEN* - 7W REMOTE EMERGENCY BATTERY
WITH ENCLOSURE (50' MAX)

A technical diagram of the EMEN battery with an enclosure. It shows a rectangular battery with a top layer and a bottom layer. Dimension A is the height of the top layer. Dimension B is the length of the top layer. Dimension C is the length of the bottom layer. The bottom layer is slightly wider than the top layer. There are small circles on the bottom layer, possibly representing mounting holes.

A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

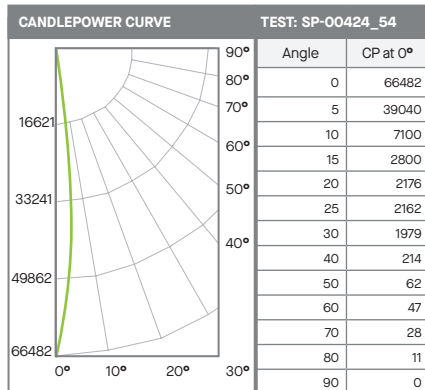


13" ROUND DIRECT

STAGE-PRO SERIES / PHOTOMETRIC DATA



C1320XT-80LxxK-XNEX-TSG-MW



ZONAL LUMENS		
0-10	2955	49%
0-20	4043	67%
0-30	5017	84%
0-40	5814	97%
0-60	5934	99%
0-80	5991	100%
0-90	5996	100%
Total Lumens	5996	100%

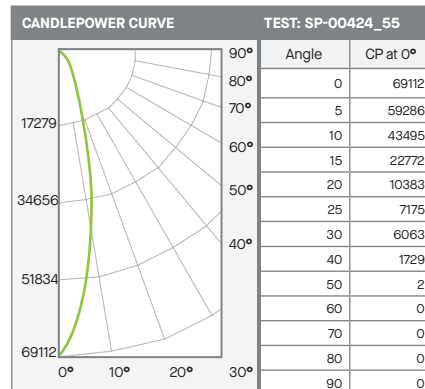
80L XTRA NARROW - 83 CRI

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	665	2.1'	329
12'	462	2.5'	228
16'	260	3.3'	128
20'	166	4.1'	82
24'	115	5.0'	57
28'	85	5.8'	42
32'	65	6.6'	32
36'	51	7.4'	25

Delivered Lumens: 5996 CP @ 0° (Nadir): 66482 Spacing Ratio: 0.22
 Luminaire Watts: 142 Beam Angle: 11.8° Output Multipliers: 52L x 0.65
 LER: 42 CRI: 83

* From aperture to horizontal surface below.
 ** At IESNA defined Beam Angle, to 50% Max. CP.

C1320XT-200LxxK-NDEX-TSG-MW



ZONAL LUMENS		
0-10	5205	28%
0-20	11940	65%
0-30	15466	84%
0-40	17907	98%
0-60	18337	100%
0-80	18337	100%
0-90	18337	100%
Total Lumens	18337	100%

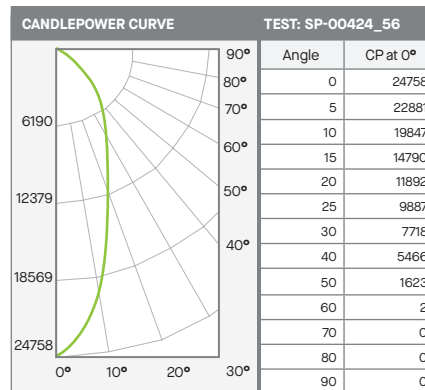
200L NARROW - 83 CRI

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	691	4.4'	329
12'	480	5.3'	229
16'	270	7.1'	129
20'	173	8.9'	82
24'	120	10.6'	57
28'	88	12.4'	42
32'	67	14.2'	32
36'	53	16.0'	25

Delivered Lumens: 18337 CP @ 0° (Nadir): 69112 Spacing Ratio: 0.42
 Luminaire Watts: 207 Beam Angle: 25° Output Multipliers: 52L x 0.26, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 89 CRI: 83

* From aperture to horizontal surface below.
 ** At IESNA defined Beam Angle, to 50% Max. CP.

C1320XT-200LxxK-MDEX-TSG-MW



ZONAL LUMENS		
0-10	2100	11%
0-20	6356	35%
0-30	10840	59%
0-40	14792	81%
0-60	18269	100%
0-80	18270	100%
0-90	18270	100%
Total Lumens	18270	100%

200L MEDIUM - 83 CRI

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	248	6.9'	111
12'	172	8.3'	77
16'	97	11.0'	43
20'	62	13.8'	28
24'	43	16.5'	19
28'	32	19.3'	14
32'	24	22.0'	11
36'	19	24.8'	9

Delivered Lumens: 18270 CP @ 0° (Nadir): 24758 Spacing Ratio: 0.6
 Luminaire Watts: 207 Beam Angle: 38° Output Multipliers: 52L x 0.26, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 88 CRI: 83

* From aperture to horizontal surface below.
 ** At IESNA defined Beam Angle, to 50% Max. CP.



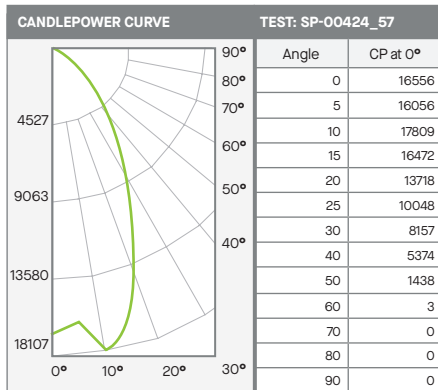
13" ROUND DIRECT

STAGE-PRO SERIES / PHOTOMETRIC DATA



C1320XT-200LxxK-WDEX-TSG-MW

200L WIDE - 83 CRI



ZONAL LUMENS		
0-10	1610	9%
0-20	6125	34%
0-30	10942	60%
0-40	15084	83%
0-60	18204	100%
0-80	18205	100%
0-90	18205	100%
Total Lumens	18205	100%

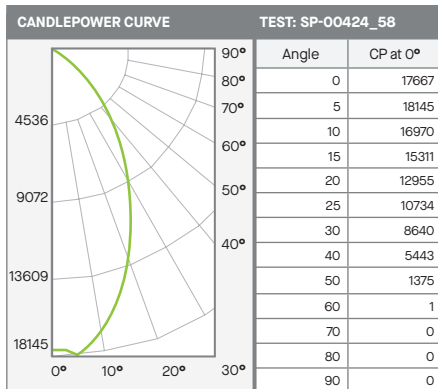
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	166	10.4'	65
12'	115	12.5'	45
16'	65	16.7'	25
20'	41	20.8'	16
24'	29	25.0'	11
28'	21	29.2'	8
32'	16	33.3'	6
36'	13	37.5'	5

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 18205 CP @ 0° (Nadir): 16556 Spacing Ratio: 0.9
 Luminaire Watts: 207 Beam Angle: 55° Output Multipliers: 52L x 0.26, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 88 CRI: 83

C1320XT-200LxxK-XWEX-TSG-MW

200L XTRA WIDE - 83 CRI



ZONAL LUMENS		
0-10	1675	9%
0-20	5952	33%
0-30	10873	59%
0-40	15291	84%
0-60	18292	100%
0-80	18293	100%
0-90	18293	100%
Total Lumens	18293	100%

SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	177	11.1'	68
12'	123	13.3'	47
16'	69	17.7'	26
20'	44	22.2'	17
24'	31	26.6'	12
28'	23	31.0'	9
32'	17	35.5'	7
36'	14	39.9'	5

* From aperture to horizontal surface below.
** At IESNA defined Beam Angle, to 50% Max. CP.

Delivered Lumens: 18293 CP @ 0° (Nadir): 17667 Spacing Ratio: 0.88
 Luminaire Watts: 207 Beam Angle: 58° Output Multipliers: 52L x 0.23, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 88 CRI: 83

