

13" ROUND ACCENT DIRECT

STAGE-PRO SERIES



C1320YKSSXT - YOKE MOUNT

APPLICATION

13" round x 20" high XT series Stage Pro pendant for auditorium and area lighting. Features integral straight 3" deep snoot for additional cutoff.

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 .01% 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

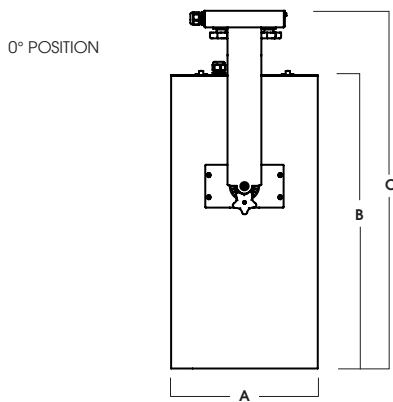
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic 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	C
13.0	26.5	32.5
330.2 mm	673.1 mm	825.5 mm

Fixture Weight: 30.3 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS ³	LPW
C1320YKSSXT52L	5200	3174	60.0	53
C1320YKSSXT80L	8000	4884	94.8	52
C1320YKSSXT120L	12000	7325	138.4	53
C1320YKSSXT160L	16000	9398	159.6	59
C1320YKSSXT200L	20000	12211	207.0	59

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER/VOLTAGE ⁵	OPTIONS ⁸	TRIM	MOUNTING ⁹	FINISH ¹⁰			
C1320YKSSXT	52L	5200 Lm	83 CRI	Electronic Driver, 120V/277V 10%, 0-10V, 120V/277V 1%, 0-10V, 120V/277V Lutron 2-Wire Forward Phase (MLV), 120V 1%, Lutron® EcoSystem® Fade, 120V/277V DALI Control DMX Standard Configuration DMX Non-Standard Custom	FS Fuse Holder and Fuse SC1 Safety Cable	MWI Matte White MBI Matte Black CCI Custom Color	SM Surface Mount	MW ¹¹ Matte White			
	80L	8000 Lm	27K 2700K					ND 25°	DS10X	MB ¹¹ Matte Black	
	120L	12000 Lm	30K 3000K					MD 34°	DO10X	PT ¹¹ Platinum Silver	
	160L	16000 Lm	35K 3500K					WD 44°	DLTE1 ⁶	CC Custom Color	
	200L	20000 Lm	40K 4000K					XW 47°	DL3EX ⁶	EMERGENCY BATTERY OPTIONS EMRM 7W Remote EM EMEN 7W Remote with Enclosure	See Page 5 for Full Range of Color Options (83-90095)
			98 CRI ⁴						DALIX		
			27HK 2700K						DMXS ⁷		
			30HK 3000K						DMXC ⁷		
			35HK 3500K								
			40HK 4000K								

EXAMPLE: C1320YKSSXT80L27KMDEX/MBI/SM/MB

NOTES:

1 Nominal Source Lumens At Any CCT 2 Nominal Delivered Lumens at 83 CRI at Any CCT with MD-MBI 3 At 83 CRI 4 120L Max 5 Contact Factory for Additional Options 6 200L Not Available with Lutron Drivers 7 Contact Factory 8 See Product Options Page for Details 9 See Mounting Page for Details on Components and Finishes 10 See Color Page for More Options/Consult Factory for Special Finishes 11 Standard Finishes



PROJECT: _____
TYPE: _____



Dimensions and values shown are nominal. Spectrum Lighting continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.

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STAGE-PRO SERIES / FIXTURE OPTIONS



STANDARD FINISHES

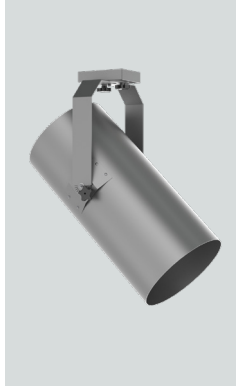
MW
MATTE WHITE



MB
MATTE BLACK



PT
PLATINUM SILVER

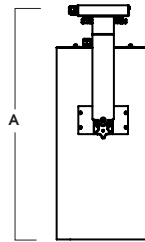


MOUNTING TYPES

YK
YOKE MOUNT

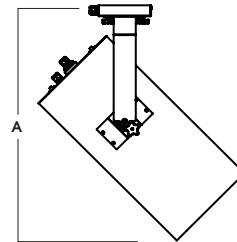


0° POSITION



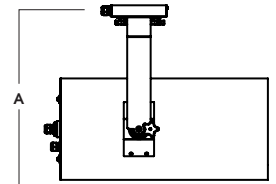
A
32.5
825.5 mm

45° POSITION



A
31.8
807.7 mm

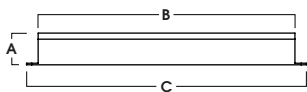
90° TILT



A
23.4
594.4 mm

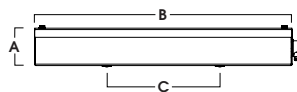
EMERGENCY BATTERY OPTIONS

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



A	B	C
1.3	12.6	13.0

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



A	B	C
2.0	17.0	6.2

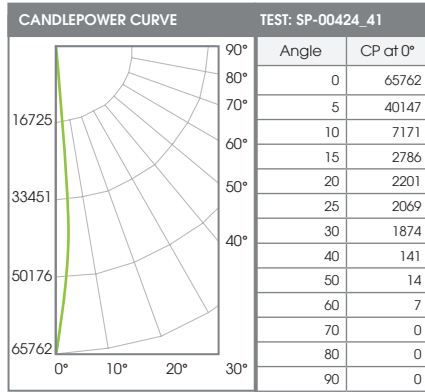
*OTHER EM BATTERY SIZES AVAILABLE. CONSULT FACTORY

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STAGE-PRO SERIES / PHOTOMETRIC DATA



C1320YKSSXT-80LxxK-XNEX-MBI



ZONAL LUMENS		
0-10	2955	51%
0-20	4048	70%
0-30	5002	87%
0-40	5702	99%
0-60	5751	100%
0-80	5752	100%
0-90	5752	100%
Total Lumens	5752	100%

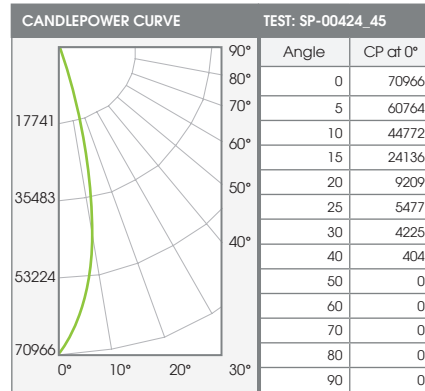
80L XTRA NARROW - 83 CRI

SINGLE UNIT: PERFORMANCE			
INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	658	2.1'	325
12'	457	2.6'	226
16'	257	3.4'	127
20'	164	4.3'	81
24'	114	5.1'	56
28'	84	6.0'	41
32'	64	6.8'	32
36'	51	7.7'	25

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

Delivered Lumens: 5752 CP @ 0° (Nadir): 65762 Spacing Ratio: 0.22
 Luminaire Watts: 142 Beam Angle: 12.2° Output Multipliers: 52L x 0.65
 LER: 41 CRI: 83

C1320YKSSXT-200LxxK-NDEX-MBI



ZONAL LUMENS		
0-10	5361	33%
0-20	12212	76%
0-30	14776	92%
0-40	15917	99%
0-60	16045	100%
0-80	16045	100%
0-90	16045	100%
Total Lumens	16045	100%

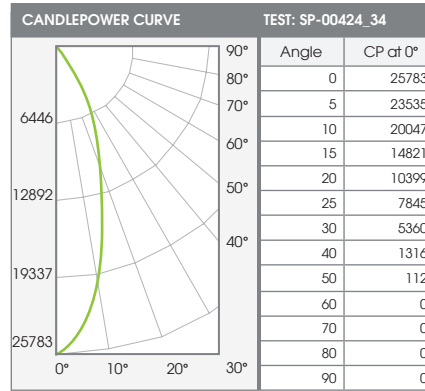
200L NARROW - 83 CRI

SINGLE UNIT: PERFORMANCE			
INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	710	4.3'	339
12'	493	5.2'	235
16'	277	6.9'	132
20'	177	8.7'	85
24'	123	10.4'	59
28'	91	12.2'	43
32'	69	13.9'	33
36'	55	15.6'	26

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

Delivered Lumens: 16045 CP @ 0° (Nadir): 70966 Spacing Ratio: 0.42
 Luminaire Watts: 207 Beam Angle: 24.5° Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 78 CRI: 83

C1320YKSSXT-200LxxK-MDEX-MBI



ZONAL LUMENS		
0-10	2172	18%
0-20	6347	52%
0-30	9705	79%
0-40	11537	94%
0-60	12211	100%
0-80	12211	100%
0-90	12211	100%
Total Lumens	12211	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'	258	6.2'	118
12'	179	7.4'	82
16'	101	9.9'	46
20'	64	12.4'	29
24'	45	14.9'	20
28'	33	17.3'	15
32'	25	19.8'	11
36'	20	22.3'	9

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

Delivered Lumens: 12211 CP @ 0° (Nadir): 25783 Spacing Ratio: 0.56
 Luminaire Watts: 207 Beam Angle: 34.4° Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 59 CRI: 83

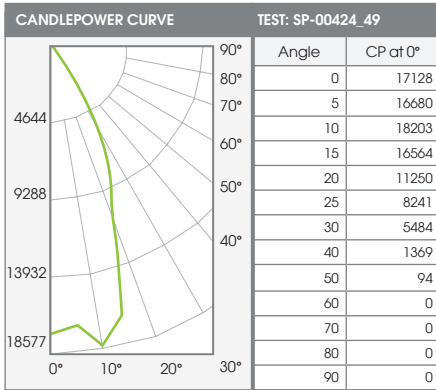
13" ROUND ACCENT DIRECT

STAGE-PRO SERIES / PHOTOMETRIC DATA



C1320YKSSXT-200LxxK-WDEX-MBI

200L WIDE - 83 CRI



Beam Angle	Lumens	% of Total
0-10	1662	14%
0-20	6064	50%
0-30	9529	79%
0-40	11439	95%
0-60	12070	100%
0-80	12070	100%
0-90	12070	100%
Total Lumens	12070	100%

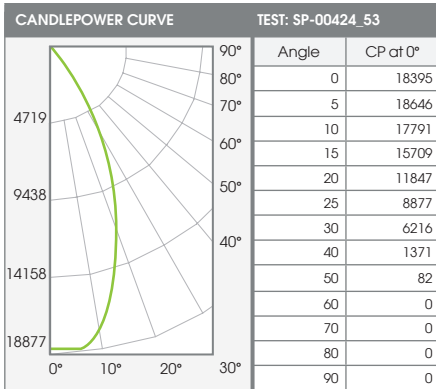
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	171	8.1'	74
12'	119	9.7'	51
16'	67	13.0'	29
20'	43	16.2'	18
24'	30	19.5'	13
28'	22	22.7'	9
32'	17	26.0'	7
36'	13	29.2'	6

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

Delivered Lumens: 12070 CP @ 0° (Nadir): 17128 Spacing Ratio: 0.78
 Luminaire Watts: 207 Beam Angle: 44.2° Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 58 CRI: 83

C1320YKSSXT-200LxxK-XWEX-MBI

200L XTRA WIDE - 83 CRI



Beam Angle	Lumens	% of Total
0-10	1729	14%
0-20	5981	48%
0-30	9774	78%
0-40	11922	95%
0-60	12556	100%
0-80	12556	100%
0-90	12556	100%
Total Lumens	12556	100%

Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	184	8.7'	77
12'	128	10.4'	54
16'	72	13.8'	30
20'	46	17.3'	19
24'	32	20.8'	13
28'	23	24.2'	10
32'	18	27.7'	8
36'	14	31.2'	6

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

Delivered Lumens: 12556 CP @ 0° (Nadir): 18395 Spacing Ratio: 0.78
 Luminaire Watts: 207 Beam Angle: 46.8° Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 61 CRI: 83

COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

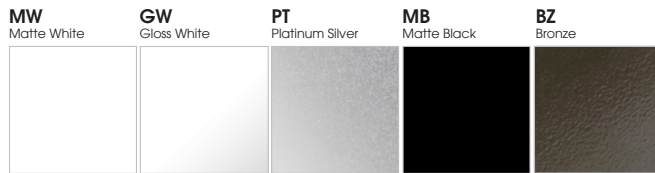
FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Tier 2 - Typical Finishes	\$\$	⌚⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES



TIER 2 - TYPICAL FINISHES



CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION