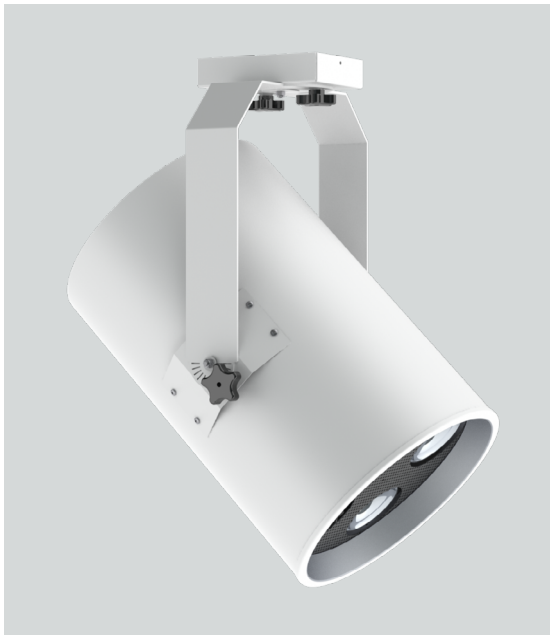




13" ROUND ACCENT DIRECT STAGE-PRO SERIES



C1320YKXT - YOKE MOUNT

APPLICATION

13" round x 20" high XT series Stage Pro pendant 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 .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 pre-treated 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.

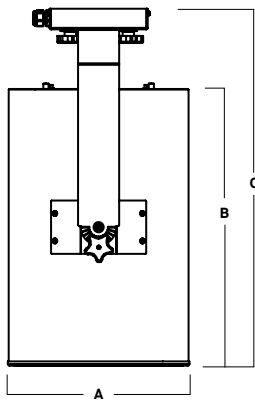
CONSTRUCTION

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.

0° POSITION



A	B	C
13.1 332.7 mm	20.1 510.5 mm	26.1 662.9 mm

Fixture Weight: 29.2 lbs

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS ³	LPW
C1320YKXT52L	5200	4750	60.0	79
C1320YKXT80L	8000	7308	94.8	77
C1320YKXT120L	12000	11301	138.4	82
C1320YKXT160L	16000	14072	159.6	88
C1320YKXT200L	20000	18270	207.0	88

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER/VOLTAGE ⁶	OPTIONS ⁹	TRIM	MOUNTING ¹¹	FINISH ¹²	
C1320YKXT	52L	5200 Lm	83 CRI	XN ⁵ 12°	EX Electronic Driver, 120V/277V	FS Fuse Holder and Fuse	TSG ¹⁰ Semi Diffuse	SM Surface Mount	MW ¹³ Matte White
	80L	8000 Lm	27K 2700K	ND 25°	DS10X 10%, 0-10V, 120V/277V	SC1 Safety Cable	Low Iridescent Clear	EMERGENCY BATTERY OPTIONS	MB ¹³ Matte Black
	120L	12000	30K 3000K	MD 38°	DO10X 1%, 0-10V, 120V/277V		TMB Matte Black		PT ¹³ Platinum
	160L	Lm	35K 3500K	WD 55°	DLTE1 ⁷ Lutron 2-Wire Forward Phase (MLV), 120V		TCY Same Color as Cylinder		CC Silver
	200L	16000 Lm	40K 4000K	XW 58°	DL3EX ⁷ 1%, Lutron® EcoSystem® Fade, 120V/277V		TCC Custom Color		Custom Color
		20000 Lm							
			98 CRI ⁴		DALIX DALI Control				
			27HK 2700K		DMXS ⁸ DMX Standard Configuration		EMRM 7W Remote EM		
			30HK 3000K		DMXC ⁸ DMX Non-Standard Custom		EMEN 7W Remote with Enclosure		
			35HK 3500K						
		40HK 4000K							

EXAMPLE: C1320YKXT80L27KNDEX/TCY/SM/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 See Product Options Page for Details 10 Standard Finish 11 See Mounting Page for Details on Components and Finishes 12 Reference Color Sheet Located on Product Webpage for Full List of Available Colors/Consult Factory for Special Finishes 13 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.

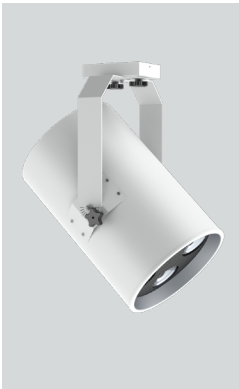
13" ROUND ACCENT DIRECT

STAGE-PRO SERIES / FIXTURE OPTIONS



STANDARD FINISHES

MW
MATTE WHITE



MB
MATTE BLACK



PT
PLATINUM SILVER

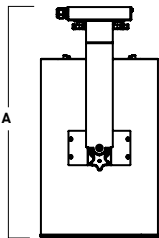


MOUNTING TYPES

YK
YOKE MOUNT

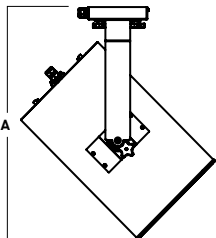


0° POSITION



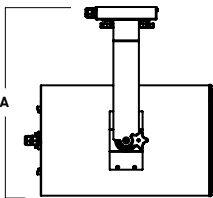
A
26.1
662.9 mm

45° POSITION



A
27.6
701.0 mm

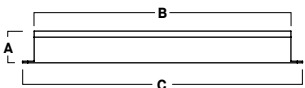
90° TILT



A
22.4
568.9 mm

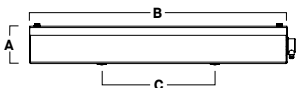
EMERGENCY BATTERY OPTIONS

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

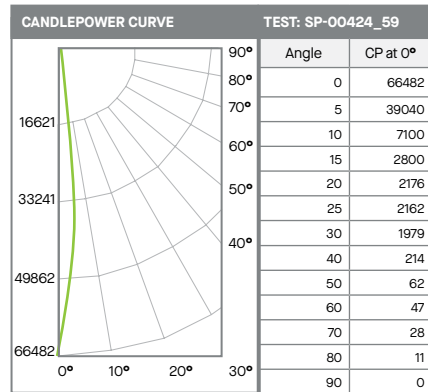
*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

13" ROUND ACCENT DIRECT

STAGE-PRO SERIES / PHOTOMETRIC DATA



C1320YKXT-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%

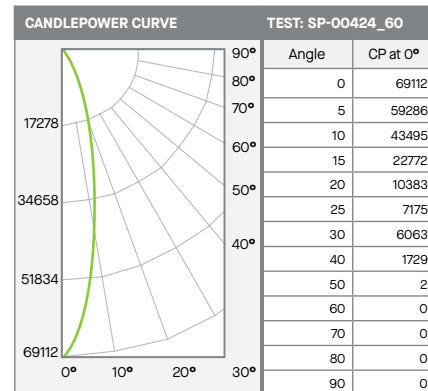
80L XTRA NARROW - 83 CRI

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

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

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

C1320YKXT-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%

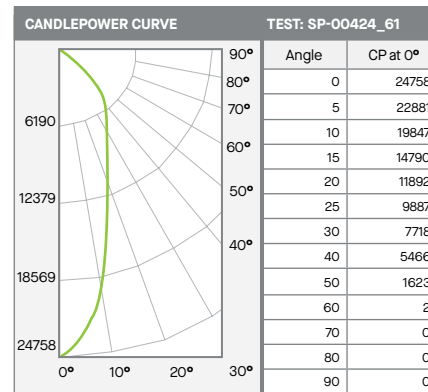
200L NARROW - 83 CRI

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

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

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

C1320YKXT-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

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

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

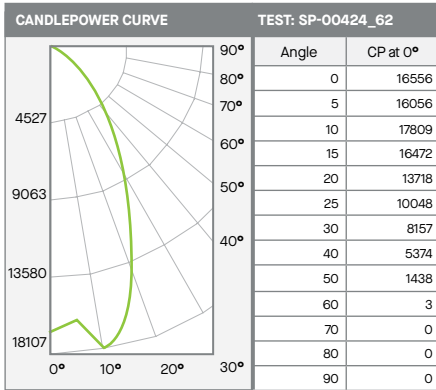
13" ROUND ACCENT DIRECT

STAGE-PRO SERIES / PHOTOMETRIC DATA



C1320YKXT-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%

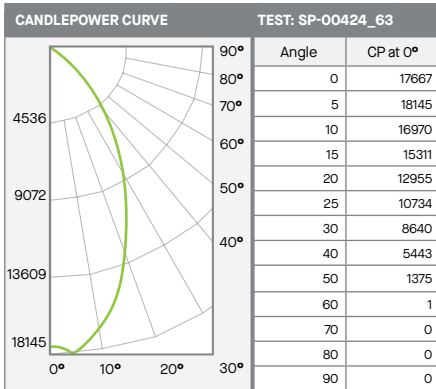
SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	166	10.4'	65
12'	115	12.5'	45
16'	65	16.7'	25
20'	41	20.8'	16
24'	29	25.0'	11
28'	21	29.2'	8
32'	16	33.3'	6
36'	13	37.5'	5

* 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

C1320YKXT-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 0.26, 80L x 0.4, 120L x 0.62, 160L x 0.77
 LER: 88 CRI: 83