

# 13" ROUND ACCENT DIRECT

## STAGE-PRO SERIES



### C1320YKFSXT - YOKE MOUNT

#### APPLICATION

13" round x 20" high XT series Stage Pro pendant for auditorium and area lighting. Features integral flared 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 pre-treated to resist corrosion.

#### ELECTRONICS

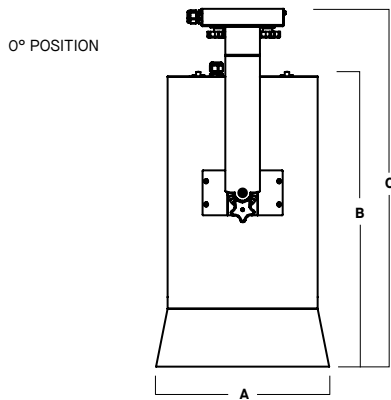
LED system features Xicato LED module with proprietary phosphor technology that provides consistent stable color with CCT control of +/- 100K over life of the light engine. Base CRI is 83 with 2-step MacAdam Ellipse binning. High CRI is 98 with 1 x 2-step MacAdam Ellipse binning. Variety of electronic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



A	B	C
15.0 381.0 mm	25.0 635.0 mm	31.0 787.4 mm

Fixture Weight: 30.3 lbs

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS <sup>1</sup>	DELIVERED LUMENS <sup>2</sup>	SYSTEM WATTS <sup>3</sup>	LPW
C1320YKFSXT52L	5200	3996	60.0	67
C1320YKFSXT80L	8000	6151	94.8	65
C1320YKFSXT120L	12000	9222	138.4	67
C1320YKFSXT160L	16000	11832	159.6	74
C1320YKFSXT200L	20000	15373	207.0	74

SERIES	LUMENS <sup>1</sup>	CCT	OPTICS	DRIVER/VOLTAGE <sup>5</sup>	OPTIONS <sup>8</sup>	TRIM	MOUNTING <sup>9</sup>	FINISH <sup>10</sup>	
C1320YKFSXT	52L	5200 Lm	83 CRI	<b>EX</b> Electronic Driver, 120V/277V <b>DS10X</b> 10%, 0-10V, 120V/277V <b>DO10X</b> 1%, 0-10V, 120V/277V <b>DLTE1<sup>6</sup></b> Lutron 2-Wire Forward Phase (MLV), 120V <b>DL3EX<sup>6</sup></b> 1%, Lutron® EcoSystem® Fade, 120V/277V <b>DALIX</b> DALI Control <b>DMXS<sup>7</sup></b> DMX Standard Configuration <b>DMXC<sup>7</sup></b> DMX Non-Standard Custom	<b>FS</b> Fuse Holder and Fuse <b>SC1</b> Safety Cable	<b>MWI</b> Matte White <b>MBI</b> Matte Black <b>CC</b> Custom Color	<b>SM</b> Surface Mount  <b>EMRM</b> 7W Remote EM <b>EMEN</b> 7W Remote with Enclosure	<b>MW<sup>11</sup></b> Matte White <b>MB<sup>11</sup></b> Matte Black <b>PT<sup>11</sup></b> Platinum Silver <b>CC</b> Custom Color	
	80L	8000 Lm	27K 2700K						<b>XN</b> 12°
	120L	12000 Lm	30K 3000K						<b>ND</b> 25°
	160L	16000 Lm	35K 3500K						<b>MD</b> 37°
	200L	20000 Lm	40K 4000K						<b>WD</b> 53°
			98 CRI <sup>4</sup>						<b>XW</b> 55°
			27HK 2700K						
			30HK 3000K						
			35HK 3500K						
			40HK 4000K						

**EXAMPLE:** C1320YKFSXT80L27KMDEX/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 Reference Color Sheet Located on Product Webpage for Full List of Available Colors/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

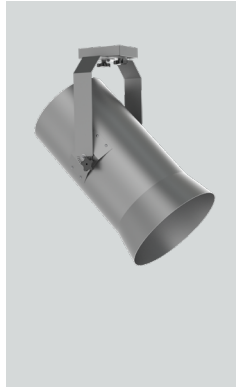
**MW**  
MATTE WHITE



**MB**  
MATTE BLACK



**PT**  
PLATINUM SILVER

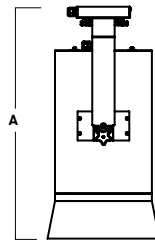


### MOUNTING TYPES

**YK**  
YOKE MOUNT

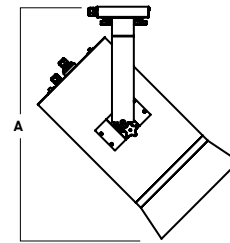


0° POSITION



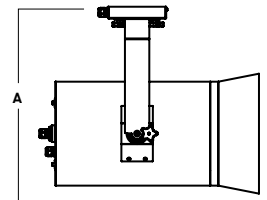
<b>A</b>
31.0
787.4 mm

45° POSITION



<b>A</b>
31.8
807.7 mm

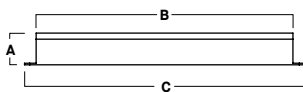
90° TILT



<b>A</b>
23.4
594.4 mm

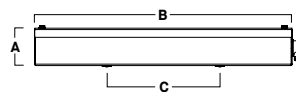
### EMERGENCY BATTERY OPTIONS

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



<b>A</b>	<b>B</b>	<b>C</b>
1.3	12.6	13.0

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



<b>A</b>	<b>B</b>	<b>C</b>
2.0	17.0	6.2

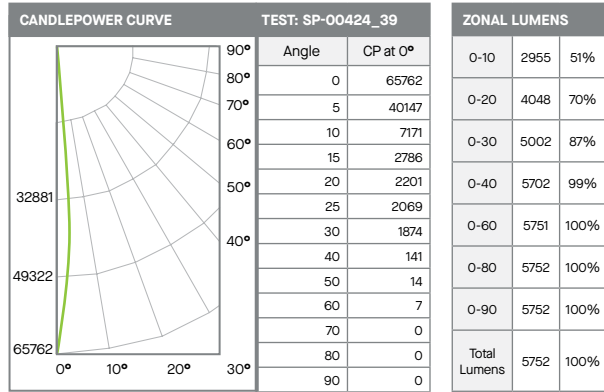
\*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

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## STAGE-PRO SERIES / PHOTOMETRIC DATA



### C1320YKFSXT-80LxxK-XNEX-MBI



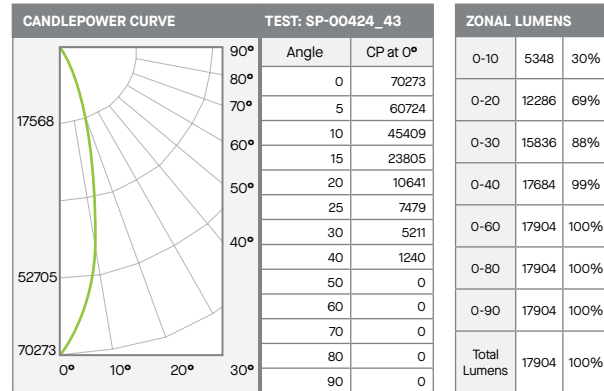
### 80L XTRA NARROW - 83 CRI

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

### C1320YKFSXT-200LxxK-NDEX-MBI



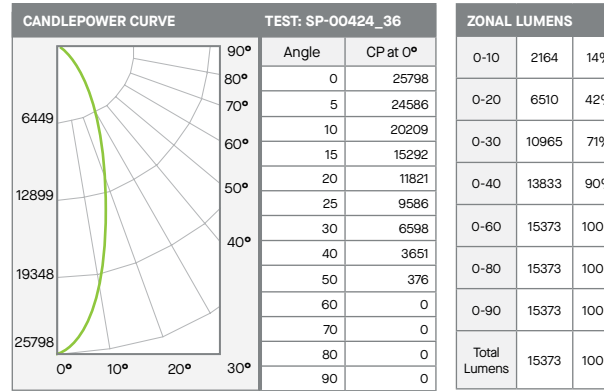
### 200L NARROW - 83 CRI

SINGLE UNIT: PERFORMANCE			
INITIAL FOOTCANDLES AND BEAM ANGLE DIAMETERS			
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	703	4.4'	335
12'	488	5.3'	233
16'	275	7.0'	131
20'	176	8.8'	84
24'	122	10.6'	58
28'	90	12.3'	43
32'	69	14.1'	33
36'	54	15.8'	26

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

Delivered Lumens: 17904    CP @ 0° (Nadir): 70273    Spacing Ratio: 0.42  
 Luminaire Watts: 207    Beam Angle: 24.8°    Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77  
 LER: 86    CRI: 83

### C1320YKFSXT-200LxxK-MDEX-MBI



### 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	6.7'	116
12'	179	8.0'	81
16'	101	10.7'	45
20'	64	13.3'	29
24'	45	16.0'	20
28'	33	18.7'	15
32'	25	21.4'	11
36'	20	24.0'	9

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

Delivered Lumens: 15373    CP @ 0° (Nadir): 25798    Spacing Ratio: 0.58  
 Luminaire Watts: 207    Beam Angle: 36.9°    Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77  
 LER: 74    CRI: 83

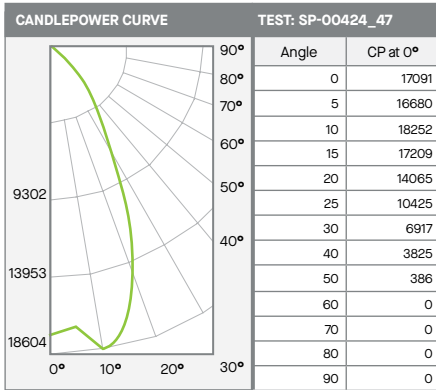
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## STAGE-PRO SERIES / PHOTOMETRIC DATA



### C1320YKFSXT-200LxxK-WDEX-MBI

### 200L WIDE - 83 CRI



Beam Angle	Lumens	% of Total
0-10	1659	11%
0-20	6286	40%
0-30	11117	71%
0-40	14186	91%
0-60	15584	100%
0-80	15584	100%
0-90	15584	100%
Total Lumens	15584	100%

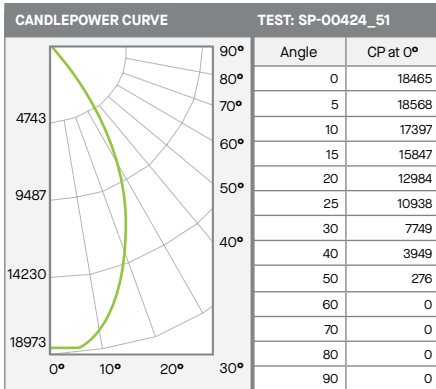
Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	171	10.0'	68
12'	119	12.0'	47
16'	67	16.0'	27
20'	43	20.0'	17
24'	30	24.0'	12
28'	22	28.0'	9
32'	17	32.0'	7
36'	13	36.0'	5

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

Delivered Lumens: 15584    CP @ 0° (Nadir): 17091    Spacing Ratio: 0.9  
 Luminaire Watts: 207    Beam Angle: 53.1°    Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77  
 LER: 75    CRI: 83

### C1320YKFSXT-200LxxK-XWEX-MBI

### 200L XTRA WIDE - 83 CRI



Beam Angle	Lumens	% of Total
0-10	1737	11%
0-20	6127	39%
0-30	11070	70%
0-40	14478	91%
0-60	15859	100%
0-80	15859	100%
0-90	15859	100%
Total Lumens	15859	100%

Mounting Height*	FC at Center	Diameter of Beam**	FC at Beam**
10'	190	10.3'	75
12'	132	12.4'	52
16'	74	16.5'	29
20'	47	20.6'	19
24'	33	24.7'	13
28'	24	28.8'	10
32'	19	33.0'	7
36'	15	37.1'	6

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

Delivered Lumens: 15859    CP @ 0° (Nadir): 18465    Spacing Ratio: 0.86  
 Luminaire Watts: 207    Beam Angle: 54.5°    Output Multipliers: 52L x 0.25, 80L x 0.4, 120L x 0.62, 160L x 0.77  
 LER: 77    CRI: 83