

STAGE PRO C1320PC

CEILING MOUNT / WALL MOUNT / YOKE MOUNT

Architectural high performance LED Cylinder luminaire. Rugged design with flexible mounting, finish, and LED options make the C1320 an extremely versatile fixture.



PRODUCT SELECTOR GUIDE

SERIES	LUMENS	CCT	OPTICS	DRIVER / DIMMING	OPTIONS	TRIM	MOUNTING	FINISH	ACCESSORIES
EXAMPLE									
C1320PC	80L	35K	MD	EX		TCY	SM	TW	

FIXTURE HOUSING SPECIFICATION

SERIES	LUMENS ²		CCT		OPTIC		DRIVER / DIMMING ³		OPTIONS ⁷		TRIM		MOUNTING ⁹		FINISH ¹²		ACCESSORIES		
CEILING MOUNT C1320PC	60L	4852Lm	80 CRI		ND WD MD XW	18° 24° 48° 61°	EX DS10X DO10X DL3EX ⁴ DALI(X) ED01X DS2W1 DMXS ⁵⁻⁶ DMXC ⁵⁻⁶	Electronic Driver, 120V/277V 10%, 1-10v, 120V/277V 1%, 0-10V, 120V/277V 1% Lutron EcoSystem Fade, 120V/277V DALI Control 0.1%, eldoLED 120V/277V ELV/MLV 120V DMX Standard Configuration DMX Non-Standard Custom	SC1	Safety Cable	TSG ⁸ TMB TCY TCC	Semi Diffused Low Iridescent Clear Matte Black Same Color as Cylinder Custom Color	CEILING MOUNT		TW ¹¹ TB ¹¹ MT ¹¹ CC	Textured White Textured Black Textured Silver Custom Color		FCHMA ¹⁴	Field Cuttable Hang Mount Accessory Kit
	80L	6489Lm	27K	2700K									HMxx ¹⁰ PMxx ¹⁰ CDxx ¹⁰ CD3xx ¹⁰ HCxx ¹⁰ SM CRD	Hang Straight Pendant Mount Cord/Cable Mount 3 Cable Mount with Cord Hook/Cord Surface Mount DMX Large Round Driver Canopy					
	120L	9660Lm	30K	3000K															
	160L	12339Lm	35K	3500K															
	200L	15284Lm	40K	4000K															
		90 CRI										WALL MOUNT							
				27HK	2700K									WM3					
				30HK	3000K									WM5					
				35HK	3500K														
				40HK	4000K														
WALL MOUNT C1320PC																			
YOKE MOUNT C1320YKPC ¹ PC Yoke Mount														YOKE MOUNT					
														SM					
		</																	

NOTES:

1 C1320YKPC must select SM Mounting 2 Nominal Delivered Lumens at 80 CRI at any CCT with MD-TSG-MW 3 Contact Factory for Additional Options 4 200L Not Available with Lutron Drivers
5 Contact Factory 6 CRD Required for DMXS/C. Luminaire will Register as 4 Individual Unit Loads on DMX Universe 7 SC1 option not available with Yoke, Wall, or Surface Mounting 8 Standard Finish
9 See Mounting Page for Details and Component Finishes 10 Specify Length in Inches: See Mounting Page for Available Lengths 11 EMxxxx Option Requires 2 Cords - CD, CD3X, HC 12 Reference Color Sheet Located on Product Webpage for Full List of Available Colors/Consult Factory for Special Finishes 13 Standard Finishes 14 Field Cuttable Mounting Kit only for use with HM Stems



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C1320PC CEILING MOUNT / WALL MOUNT / YOKE MOUNT



Spectrum Lighting

STANDARD FINISHES

TW
TEXTURED WHITE



TB
TEXTURED BLACK

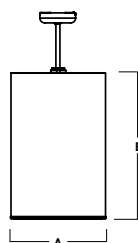


MT
TEXTURED SILVER



HOUSING DIMENSIONS

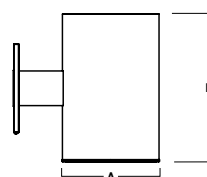
C1320PC - Ceiling Mount



A	B
13.3 337.8 mm	20.1 510.5 mm

Fixture Weight: 27.5 lbs

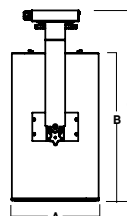
C1320PC - Wall Mount



A	B
13.3 337.8 mm	20.1 510.5 mm

Fixture Weight: 28.5 lbs

C1320YKPC - Yoke Mount



A	B	C
13.3 337.8 mm	20.1 510.5 mm	26.1 662.9 mm

Fixture Weight: 29.2 lbs

APPLICATION

13" round x 20" high Stage Pro luminaire for auditorium, Multipurpose rooms, houses of worship, and other high ceiling area lighting applications.

FEATURES

- Rugged aluminum construction.
- Clean cylindrical shape houses powerful light engines.
- Ceiling, walls, and aimable yoke mount meets most architectural installation needs.
- Recessed LEDs for visual comfort.
- Field changeable LED modules and optics.
- Wide variety of control options including 1% and DMX.

FINISH

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

ELECTRONICS

LED system features state of the art, high efficiency LEDs providing consistent stable color with excellent CCT control over the life of the light engine. Base 80 min CRI with 3-step MacAdam ellipse binning. High CRI of 90 min is also available as a standard option. A variety of electronic 120/277V and dimming options are available. DMX specified control will register as 4 individual loads on a DMX universe.

CONSTRUCTION

Housing is 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.

LUMENS / WATTAGE DATA

Nominal Delivered Lumens at 80CRI at any CCT with MD-TSG-MW.

PART NUMBER	SOURCE LUMENS	DELIVERED LUMENS	SYSTEM WATTS	LPW
C1320PC52L	5200	4852	43.4	112
C1320PC80L	8000	6489	56.4	115
C1320PC120L	12000	9660	63.2	116
C1320PC160L	16000	12339	111.5	111
C1320PC200L	20000	15284	143.4	107

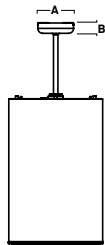
C1320PC CEILING MOUNT / WALL MOUNT / YOKE MOUNT



Spectrum Lighting

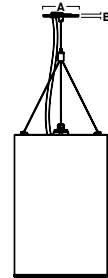
MOUNTING TYPES

HM / PM HANG STRAIGHT / PENDANT



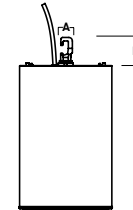
A	B
5.0	1.5
127.0 mm	38.1 mm

CD3X CORD / CABLE MOUNT



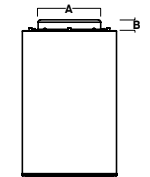
A	B
5.0	.25
127.0 mm	6.4 mm

HC HOOK AND CORD



A	B
2.1	4
53.1 mm	100.4 mm

SM SURFACE MOUNT



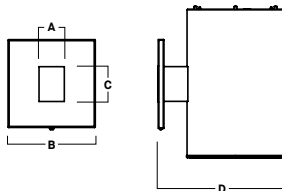
A	B
8.7	1.5
221.5 mm	38.56 mm

WM3 WALL MOUNT 3" EXTENSION



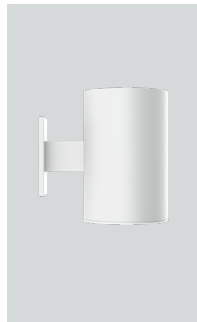
FRONT VIEW

SIDE VIEW



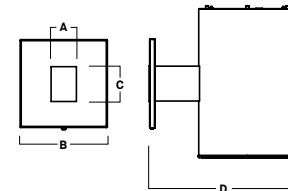
A	B	C	D
2.4	6.4	4.7	17.0
61.0 mm	162.6 mm	119.4 mm	431.8 mm

WM5 WALL MOUNT 5" EXTENSION



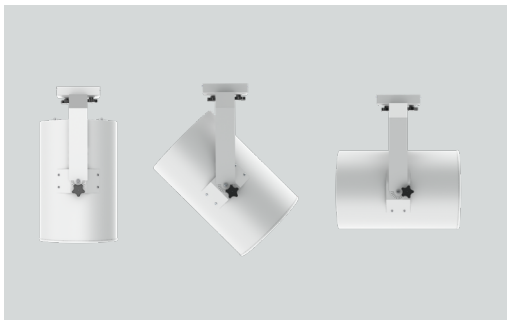
FRONT VIEW

SIDE VIEW



A	B	C	D
2.4	6.4	4.7	19.7
61.0 mm	162.6 mm	119.4 mm	500.4 mm

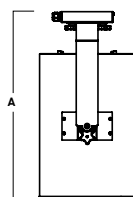
YK YOKE MOUNT



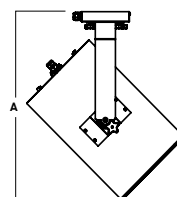
0° POSITION

45° POSITION

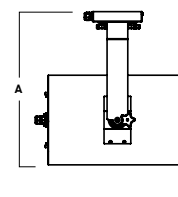
90° TILT



A
26.1
662.9 mm



A
27.6
701.0 mm



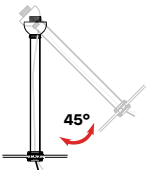
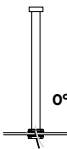
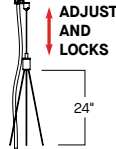
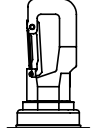
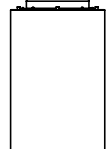
A
22.4
568.9 mm

* ROTATES 355° WITH TWIN LOCK KNOBS / BRAKE DISC.
* TILTS 180° WITH LOCKING THEATRICAL STYLE BRAKE DISC.

STANDARD MOUNTING & ACCESSORIES

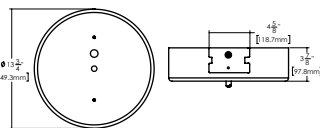
SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.
NOTE: THIS IS TYPICAL OF CYLINDERS SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

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)	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 (Length) SPECIFY LENGTH: HC36 - 36" HC72 - 72" HC144 - 144" HC(XX) Custom Length (Specify in Inches)	SM SURFACE MOUNT WIRING COMPARTMENT / TOP HAT  ORDER: SM
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*MAXIMUM ONE PIECE STEM LENGTH IS 72".
LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

DMX OPTION

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

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

Diagram of the EMRM 7W Remote Emergency Battery. Dimension A is the height of the battery. Dimension B is the length of the battery. Dimension C is the length of the battery including the mounting brackets on both ends.

A	B	C
1.3	12.6	13.0

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

Diagram of the EMEN 7W Remote Emergency Battery with enclosure. Dimension A is the height of the battery. Dimension B is the length of the battery. Dimension C is the length of the battery including the mounting brackets on both ends.

A	B	C
2.0	17.0	6.2

*OTHER EM BATTERY SIZES AVAILABLE, CONSULT FACTORY

ACCESSORIES

FCHMA - FIELD CUTTABLE HANG MOUNT ACCESSORY KIT 
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C1320PC CEILING MOUNT / WALL MOUNT / YOKE MOUNT

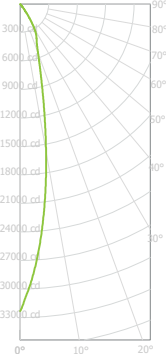


Spectrum Lighting

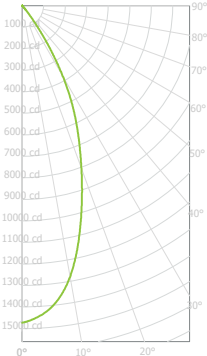
C1320PC120L35KNDDO10XTSGHMMW

CANDLEPOWER CURVE TEST SP-R993	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT										
	0.00°	0° - 10° 3227 33%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 4		RCR 6			
	0.00° 48318	0° - 20° 6238 64%							FC +	W/Sq. Ft.	FC +	W/Sq. Ft.		
	5.00° 29838	0° - 30° 8194 84%	8.0 ' 755 fc	2.5 ' 371 fc	14' 2'	2369	21.28	2196	21.45					
	10.00° 13075	0° - 40° 9535 98%	10.0 ' 483 fc	3.1 ' 238 fc	18' 4'	660	5.93	612	5.97					
	15.00° 6332	0° - 60° 9696 100%	12.0 ' 336 fc	3.8 ' 165 fc	22' 4'	587	5.27	495	4.84					
	20.00° 4437	0° - 80° 9714 100%	14.0 ' 247 fc	4.4 ' 121 fc	Delivered Illuminance Rating: (DIR)		111 FC per W/Sq. Ft.		102 FC per W/Sq. Ft.					
	30.00° 3075	0° - 90° 9724 100%	16.0 ' 189 fc	5.0 ' 93 fc										
	40.00° 176	Total 9724 100%	20.0 ' 121 fc	6.3 ' 59 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 4.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor									
	50.00° 14		24.0 ' 84 fc	7.5 ' 41 fc										
	60.00° 6		28.0 ' 62 fc	8.8 ' 30 fc										
	70.00° 7													
	80.00° 9													
	90.00° 13													
Delivered Lumens: 9724 Luminaire Watts: 83.34 LER: 116.68	CP at 0deg (Nadir): 48318 CRI: 80+	Beam Angle: 17.76 Spacing Ratio: 0.22	Lumen Multiplier: 52L x .505, 80L x .674, 160L x 1.285, 200L x 1.596 CCT Multiplier: 35HK x .894											

C1320PC120L35KMDDO10XTSGHMMW

CANDLEPOWER CURVE TEST SP-R992	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																														
	0.00°	0° - 10° 2475 26%	<table><thead><tr><th>Mounting Distance</th><th>FC at Beam Center</th><th>Diameter at Beam Angle</th><th>FC at Beam Edge</th></tr></thead><tbody><tr><td>8.0 ' </td><td>505 fc</td><td>3.4 ' </td><td>242 fc</td></tr><tr><td>10.0 ' </td><td>323 fc</td><td>4.3 ' </td><td>155 fc</td></tr><tr><td>12.0 ' </td><td>224 fc</td><td>5.1 ' </td><td>108 fc</td></tr><tr><td>14.0 ' </td><td>165 fc</td><td>6.0 ' </td><td>79 fc</td></tr><tr><td>16.0 ' </td><td>126 fc</td><td>6.9 ' </td><td>61 fc</td></tr><tr><td>20.0 ' </td><td>81 fc</td><td>8.6 ' </td><td>39 fc</td></tr><tr><td>24.0 ' </td><td>56 fc</td><td>10.3 ' </td><td>27 fc</td></tr><tr><td>28.0 ' </td><td>41 fc</td><td>12.0 ' </td><td>20 fc</td></tr></tbody></table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8.0 '	505 fc	3.4 '	242 fc	10.0 '	323 fc	4.3 '	155 fc	12.0 '	224 fc	5.1 '	108 fc	14.0 '	165 fc	6.0 '	79 fc	16.0 '	126 fc	6.9 '	61 fc	20.0 '	81 fc	8.6 '	39 fc	24.0 '	56 fc	10.3 '	27 fc	28.0 '	41 fc	12.0 '	20 fc	<table><thead><tr><th>Ceiling Height</th><th>Fixture Spacing</th><th colspan="2">RCR 4</th><th colspan="2">RCR 6</th></tr><tr><th></th><th></th><th>FC +</th><th>W/Sq. Ft.</th><th>FC +</th><th>W/Sq. Ft.</th></tr></thead><tbody><tr><td>14'</td><td>2'</td><td>2330</td><td>21.24</td><td>2145</td><td>21.41</td></tr><tr><td>18'</td><td>4'</td><td>513</td><td>4.68</td><td>598</td><td>5.96</td></tr><tr><td>22'</td><td>4'</td><td>577</td><td>5.26</td><td>484</td><td>4.83</td></tr><tr><td colspan="2">Delivered Illuminance Rating: (DIR)</td><td colspan="2">110 FC per W/Sq. Ft.</td><td colspan="2">100 FC per W/Sq. Ft.</td></tr><tr><td colspan="6">2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 4.5' x 1.66 + Average Initial Footcandles at 2.5' Above Floor</td></tr></tbody></table>	Ceiling Height	Fixture Spacing	RCR 4		RCR 6				FC +	W/Sq. Ft.	FC +	W/Sq. Ft.	14'	2'	2330	21.24	2145	21.41	18'	4'	513	4.68	598	5.96	22'	4'	577	5.26	484	4.83	Delivered Illuminance Rating: (DIR)		110 FC per W/Sq. Ft.		100 FC per W/Sq. Ft.		2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 4.5' x 1.66 + Average Initial Footcandles at 2.5' Above Floor					
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5.00° 24820	0° - 30° 8220 85%																																																																																	
10.00° 15722	0° - 40° 9501 98%																																																																																	
15.00° 8902	0° - 60° 9639 100%																																																																																	
20.00° 5530	0° - 80° 9653 100%																																																																																	
30.00° 2997	0° - 90° 9660 100%																																																																																	
40.00° 149	Total 9660 100%																																																																																	
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C1320PC120L35KWDDO10XTSGHMMW

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	0.00°	0° - 10° 1365 14%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3	RCR 5						
	0.00° 14728	0° - 20° 4549 47%							FC +	W/Sq. Ft.	FC +	W/Sq. Ft.				
	5.00° 14180	0° - 30° 7725 80%	8.0' 1	230 fc	7.2' 1	93 fc	14'	4'	597	5.30	369	3.68				
	10.00° 12800	0° - 40° 9406 98%	10.0' 1	147 fc	9.0' 1	59 fc	18'	6'	226	2.01	183	1.82				
	15.00° 10485	0° - 60° 9603 100%	12.0' 1	102 fc	10.8' 1	41 fc	22'	8'	135	1.20	109	1.08				
	20.00° 8047	0° - 80° 9619 100%	14.0' 1	75 fc	12.6' 1	30 fc	Delivered Illuminance Rating: (DIR)		113 FC per W/Sq. Ft.		100 FC per W/Sq. Ft.					
	30.00° 3746	0° - 90° 9625 100%	16.0' 1	58 fc	14.4' 1	23 fc										
	40.00° 252	Total 9625 100%	20.0' 1	37 fc	18.1' 1	15 fc	2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 4.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 4.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor									
	50.00° 9		24.0' 1	26 fc	21.7' 1	10 fc										
	60.00° 9		28.0' 1	19 fc	25.3' 1	8 fc										
	70.00° 6															
	80.00° 5															
	90.00° 6															
Delivered Lumens: 9625 Luminaire Watts: 82.93 LER: 116.06	CP at 0deg (Nadir): 14728 CRI: 80+	Beam Angle: 48.46 Spacing Ratio: 0.67	Lumen Multiplier: 52L x .505, 80L x .674, 160L x 1.285, 200L x 1.596 CCT Multiplier: 35HK x .894													

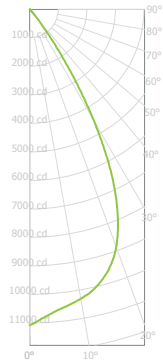
C1320PC CEILING MOUNT / WALL MOUNT / YOKE MOUNT



Spectrum Lighting

C1320PC120L35KXWDO10XTSGHMMW

CANDLEPOWER CURVE TEST SP-R995



Delivered Lumens: **9644**
Luminaire Watts: **83.03**
LER: **116.15**

INTENSITY CANDELA 0° AZIMUTH

0.00°
0.00° 11070
5.00° 10619
10.00° 10306
15.00° 9817
20.00° 8869
30.00° 4454
40.00° 280
50.00° 11
60.00° 8
70.00° 5
80.00° 4
90.00° 4

CP at 0deg (Nadir): 11070
CRI: 80+

ZONAL LUMENS

0° - 10°	1042	11%
0° - 20°	3860	40%
0° - 30°	7428	77%
0° - 40°	9402	97%
0° - 60°	9626	100%
0° - 80°	9639	100%
0° - 90°	9644	100%
Total	9644	100%

SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY

Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge
6.0'	307 fc	7.1'	106 fc
8.0'	173 fc	9.5'	60 fc
10.0'	111 fc	11.9'	38 fc
12.0'	77 fc	14.3'	26 fc
14.0'	56 fc	16.6'	19 fc
16.0'	43 fc	19.0'	15 fc
20.0'	28 fc	23.8'	10 fc
24.0'	19 fc	28.5'	7 fc

Beam Angle: 61.27
Spacing Ratio: 0.9

MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT

Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC +	W/Sq. Ft.	FC +	W/Sq. Ft.
14'	8'	157	1.32	139	1.32
18'	10'	106	0.89	69	0.66
22'	12'	63	0.53	41	0.39
Delivered Illuminance Rating: (DIR)		119 FC per W/Sq. Ft.		105 FC per W/Sq. Ft.	
2' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 4.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 + Average Initial Footcandles at 2.5' Above Floor					

Lumen Multiplier: 52L x .505, 80L x .674, 160L x 1.285, 200L x 1.596
CCT Multiplier: 35HK x .894