22" ALUMINUM
OCT SERIES

LUMEN MAX
HIGH BAY LUMINAIRES

ALOCTV22GV

APPLICATION
22" Lumen Max GV series performance pendant for mid-bay and high-bay applications. Aluminum reflector designed for maximum downlight.

FEATURES
Octagonal fixture housing (OCT) features easy access side door for driver and EM servicing. Single-stage optical system for smooth light distribution. 80 CRI minimum. Consult factory for high CRI or special applications. LED module and driver designed for ease of maintenance and replacement. Posi-lock refractor retention ring will absorb shocks and impact. Optional safety cable. Variety of optical lenses and mounting methods.

FINISH
Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion. Standard Matte White interior finish on reflectors.

ELECTRONICS
GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available, consult factory.

CONSTRUCTION
Housing constructed of extruded and machined aluminum to resist corrosion. Extruded and machined 6063-T5 aluminum heat sink. Reflector made of spun .060" aluminum.

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	D	E
22.4 569.0 mm	8.7 221.0 mm	12.8 325.1 mm	21.5 546.1 mm	8.4 213.4 mm

Fixture Weight: 27.0 lbs

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS[1]	DELIVERED LUMENS[2]	SYSTEM WATTS	LPW
ALOCTV22GV110L	11000	8879	77	115
ALOCTV22GV150L	15000	11997	102	118
ALOCTV22GV220L	22000	17734	158	112
ALOCTV22GV240L	24000	19211	155	124

SERIES	LUMENS[1]		CCT		DRIVER / DIMMING[3]		OPTIONS[4]		MOUNTING[5]		REFLECTOR		DIFFUSER OPTIONS				FINISH[12]	
ALOCTV22GV	**110L**	11000 Lm	**85 CRI**		**EX**	Electronic Driver, 120V/277V	**FS**	Fusing	**HM**[6]	Hang Straight	**AL22/MWI**[10]	Matte White Inside	**DOOR**		**LENS**		**MW**[13]	Matte White
	150L	15000 Lm	**27K**	2700K			**2CIR**	2 Circuit	**AT**[6]	Hang Straight All Thread			**DR22A**[11]	22" Spun Door	**CNFR**	Conical Frosted Lens	**MB**[13]	Matte Black
	220L	22000 Lm	**30K**	3000K	**DS10X**	10% 0-10V, 120V/277V	**3CIR**	3 Circuit	**PM**[6]	Rigid Pendant	**AL22/FCI**	Fixture Color Inside			**CN**	Conical Frosted	**PT**[13]	Platinum Silver
	240L	24000 Lm	**35K**	3500K			**LSP10**	Surge Protector	**CD**[6]	Cord / Cable Mount					**DL**	Drop Lens	**CC**	Custom Color
			40K	4000K	**DALI**	DALI Control	**E347**	347V Driver	**HC**[6/7/8]	Hook & Cord					**WO90**	White Optical Acrylic		
			50K	5000K			**PHO**	Photo Sensor	**NM2**[7/8/9]	½" NPT Hub					**PP**	Prismatic Polycarbonate		
			90 CRI				**SC1**	Safety Cable	**NM3**[7/8/9]	¾" NPT Hub					**PC**	Clear Polycarbonate		See Page 5 for Full Range of Color Options (83-90081)
			27HK	2700K			**SC2**	Safety Cable, Refractor to Door	**EMERGENCY BATTERY OPTIONS**						**WAG22**	22" Wire Guard		
			30HK	3000K					**EMCR**	10W Canopy Mounted EM								
			35HK	3500K					**EMRM**	7W Remote EM								
			40HK	4000K					**EMEN**	7W Remote with Enclosure								

EXAMPLE: ALOCTV22GV240L40KEX/HM36/AL22/MWI/DR22ACN/MB

NOTES:
1 Nominal Source Lumens at 35K   2 Nominal Delivered Lumens at 35K with AL22   3 Contact Factory for Additional Options   4 See Product Options Page for Details   5 See Mounting Page for Details on Components and Finishes
6 Specify Length in Inches: See Mounting Page for Available Lengths   7 Mounting Supplied by Others   8 Not Available with EMCR   9 12" Leads Unless Specified   10 Reflector Finished Matte White with Finish Color Out
11 Same Finish as Housing   12 See Color Page for More Options/Consult Factory for Special Finishes   13 Standard Finishes

Spectrum Lighting

PROJECT:
QUANTITY:
TYPE:

SPECLIGHT.COM • 994 JEFFERSON ST. FALL RIVER, MA 02721 • 508.678.2303

ILLUMINATING WHAT'S POSSIBLE.

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.   83-20031_RE

22" ALUMINUM
OCT SERIES / FIXTURE OPTIONS

STANDARD FINISHES

MW
MATTE WHITE

MB
MATTE BLACK

PT
PLATINUM SILVER

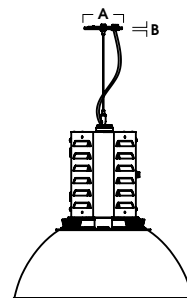## MOUNTING TYPES
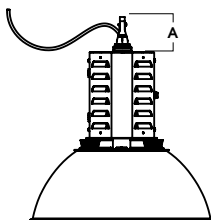
HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT
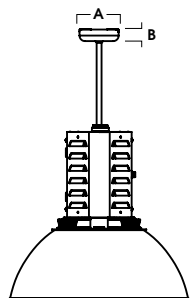
A	B
5.4	2.5
137.2 mm	63.5 mm

CD
CORD / CABLE MOUNT

A	B
5.0	.25
127.0 mm	6.4 mm

HC
HOOK CORD

A
4.2
106.7 mm

NM
NO MOUNT

Spectrum Lighting
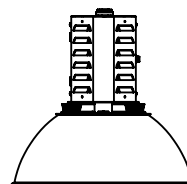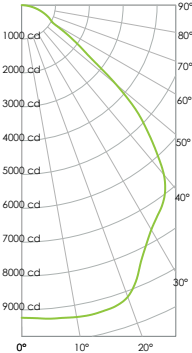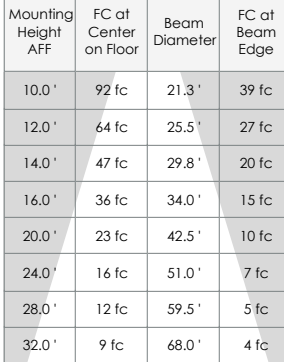
22" ALUMINUM
OCT SERIES / PHOTOMETRIC DATA

LUMEN MAX
HIGH BAY LUMINAIRES

ALOCTV22GV-240L-40K-EX-AL22

CANDLEPOWER CURVE

Delivered Lumens: 19,232
Luminaire Watts: 155
LER: 124.08

CP at 0deg (Nadir): 9,233
CRI: 85+

INTENSITY

0.00°	9,233
5.00°	9,296
10.00°	9,353
15.00°	9,349
20.00°	9,166
30.00°	7,660
40.00°	6,537
50.00°	3,641
60.00°	1,117
70.00°	709
80.00°	324
90.00°	2

0.00° (header)

ZONAL LUMENS

0° - 10°	930	5%
0° - 20°	3,523	18%
0° - 30°	7,344	38%
0° - 40°	11,842	62%
0° - 60°	17,649	92%
0° - 80°	19,083	99%
0° - 90°	19,232	100%
Total	19,232	100%

SINGLE UNIT: PERFORMANCE
INITIAL FOOTCANDLES
BASED ON IES BEAM ANGLE

Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge
10.0 '	92 fc	21.3 '	39 fc
12.0 '	64 fc	25.5 '	27 fc
14.0 '	47 fc	29.8 '	20 fc
16.0 '	36 fc	34.0 '	15 fc
20.0 '	23 fc	42.5 '	10 fc
24.0 '	16 fc	51.0 '	7 fc
28.0 '	12 fc	59.5 '	5 fc
32.0 '	9 fc	68.0 '	4 fc

Beam Angle: 94.22
Spacing Ratio: 1.23

MULTIPLE UNITS: PERFORMANCE
80/50/20% REFLECTANCES
INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT

Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
		FC [+]	W/Sq. Ft.	FC [+]	W/Sq. Ft.
22'	20' [*]	48	0.41	39	0.41
26'	22' [**]	30	0.26	25	0.26
32'	24' [***]	27	0.24	32	0.34
Delivered Illuminance Rating: (DIR)		115 FC per W/Sq. Ft.		94 FC per W/Sq. Ft.	

4' Suspension Length
Square rooms used for multiple units:
- RCR 2: Length & Width = Ceiling Ht. -6.5' x 5.00
- RCR 4: Length & Width = Ceiling Ht. - 6.5' x 2.50
[+] Average Footcandles at 2.5' Above Floor
[*] Exceeds spacing criteria by 5%
[**] Exceeds spacing criteria by -8%
[***] Exceeds spacing criteria by -23%

Lamp Multiplier: 110L x 0.48, 150L x 0.64, 220L x 0.94
CCT Multiplier: 27K x 0.93, 30K x 0.95, 35K x 0.97, 50K x 1.03

Spectrum Lighting

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 LUMEN MAX SPECIFICATION FOR PENDANT MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

LUMEN MAX
HIGH BAY LUMINAIRES

MOUNTING TYPES

HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP

45°

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*
RIDGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP

0°

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

FIELD
CUTABLE

45°

ORDER: **AT** (Length)
SPECIFY LENGTH:

AT12 - 12"
AT24 - 24"
AT36 - 36"

FIELD CUT THREADED PIPE
TO LENGTH NEEDED

CUT "PIPE COVER 3/4" SHORTER
THAN THREADED PIPE

SLIP "PIPE COVER" OVER THREADED PIPE

CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE

ADJUST AND LOCKS

ORDER: **CD** (Length)
SPECIFY LENGTH:

CD36 - 36"
CD72 - 72"
CD144 - 144"

CDLC(XX)
Custom Length
(Specify in Inches)

HC
HOOK & CORD
FOR INDEPENDENT MOUNTING

ORDER: **HC**

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36".
LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.

EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

Ø 9.0   3.25

REMOTE 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

ADDITIONS

FS - FUSING

Slow blow type fuse protects fixture against voltage surges. Factory installed.

LSP10 - SM - SURGE PROTECTOR

Surge protector absorbs transient electrical spikes and protects fixtures and electronics 120/277v. Re-sets after surge. Factory Installed.

surge protector

SAFETY CABLE OPTIONS

SC1 - SAFETY CABLE

1/16" stainless steel safety cable for added support. Standard kit is 18" and double barrel locks are provided. Approved for California seismic requirements.
Rated at 50 lbs.

SC2 - SAFETY CABLE

1/16" Stainless steel cable holds door to fixture

Spectrum Lighting

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.

SPECTRUM
POWDER COAT COLORS

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, Gloss 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

MW Matte White	GW Gloss White	PT Platinum Silver	MB Matte Black	GB Gloss Black	BZ Bronze

TIER 2 - TYPICAL FINISHES

TW Textured White	TB Textured Black	MT* Textured Silver	OB* Oil Rubbed Bronze	SN Sun Gold	CO Copper Metallic	BR Brecchia	GH Graphite	CH Charcoal	AL Almond	VE Verde Green

BL Blue Streak	RD Red Baron	OR Orange	CM Camel	PL Purple	PG Pub Green	TQ Turquoise	SF Sea Foam	PK Pink	AY Aero Yellow	EG Evergreen

LG Lime Green	LB Light Blue	BY Burgundy	AK Anodic Black	AM Anodic Malachite	AZ Anodic Bronze	AS Anodic Sapphire	AN Anodic Natural	AC Anodic Champagne

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color

CC

*UNAVAILABLE FOR WET LOCATION

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