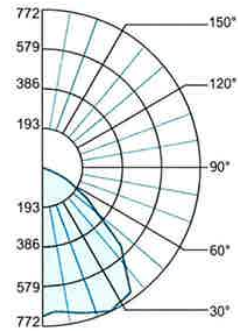


Recessed **P43**

photometric data

P-43-1T5-04'-SPL-TMW-D1

Report # LL1030708C D=100.0%
Spacing Criteria: Along 1:3, Across 1:5
Lamp Lumens: 2900 Input Watts: 33.82



Candlepower Summary

Vertical Angle	0°	22.5°	45°	67.5°	90°
0	724	724	724	724	724
5	763	763	740	712	703
15	732	742	746	737	734
25	671	695	731	759	772
35	592	633	698	732	743
45	492	547	595	555	534
55	355	413	366	280	261
65	182	198	138	123	124
75	32	31	31	27	27
85	9	8	7	7	7
90	0	0	0	0	0

Zonal Lumen Summary

Zone	% Lamp	% Luminaire
0-90	68.2	100.00
90-180	0.00	0.00

Efficiency = 68.2%

Luminance Summary (cd/m²)

Angle	0°	45°	90°
45	7195	8701	7809
55	6400	6598	4705
65	4453	3376	3034
75	1278	1238	1079
85	1068	830	830

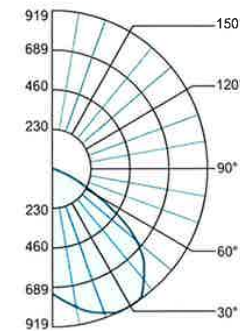
Coefficients of Utilization (%)

Floor	effective floor cavity reflectance = 20	80	70	50
Ceiling				
Wall				
RCR 0	81	81	81	79
1	74	71	68	66
2	68	62	57	53
3	61	54	49	44
4	56	48	41	37
5	51	42	36	31
6	47	37	31	27
7	43	34	27	23
8	40	30	24	20
9	37	28	22	18
10	35	25	20	16

photometric data

P-43-1T5-04'-SPL-TMW-D1W

Report # LL1020904A D=100.0%
Spacing Criteria: Along 1:2, Across 1:22
Lamp Lumens: 2900 Input Watts: 31.71



Candlepower Summary

Vertical Angle	0°	22.5°	45°	67.5°	90°
0	725	725	725	725	725
5	772	765	752	737	720
15	864	847	796	735	685
25	919	892	820	716	628
35	910	878	798	679	551
45	761	747	719	608	452
55	526	514	525	486	325
65	202	212	234	217	124
75	15	17	19	16	14
85	7	7	7	7	7
90	0	0	0	0	0

Zonal Lumen Summary

Zone	% Lamp	% Luminaire
0-90	64.3	100.00
90-180	0.00	0.00

Efficiency = 64.3%

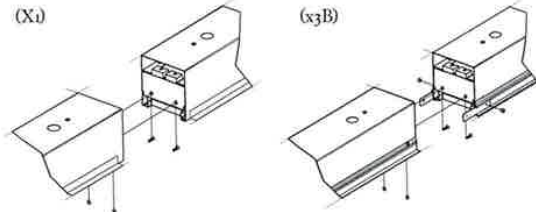
Luminance Summary (cd/m²)

Angle	0°	45°	90°
45	11212	10594	6560
55	9554	9536	5903
65	4980	5769	3057
75	604	765	564
85	2344	837	837

Coefficients of Utilization (%)

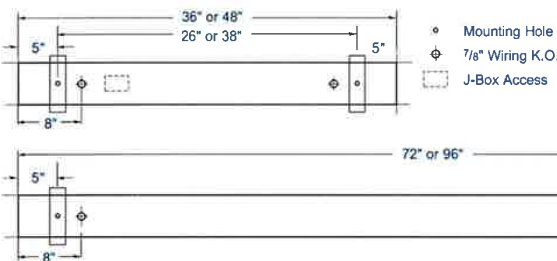
Floor	effective floor cavity reflectance = 20	80	70	50
Ceiling				
Wall				
RCR 0	76	76	76	75
1	70	67	64	62
2	63	58	54	50
3	57	50	45	41
4	52	44	38	34
5	48	39	33	29
6	44	35	29	25
7	40	31	25	21
8	37	28	22	19
9	35	26	20	16
10	32	23	18	15

Adjoining Detail

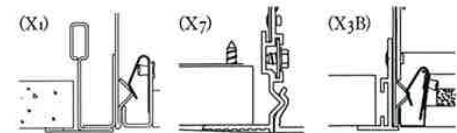


installation

Mounting Locations



Ceiling Systems



Framing Dimensions X3B & X7
Add 1/2" in fixture width, Add 5/8" in fixture length.

Prudential reserves the right to change design specifications or materials without notice.

LOW-VOLTAGE PENDANTS

S21

Mini Cargo Solid Pendant

DESCRIPTION

Industrial-inspired dome-shaped metal shade. Includes low-voltage, 50 watt MR16 flood lamp and six feet of field-cutable suspension cable.

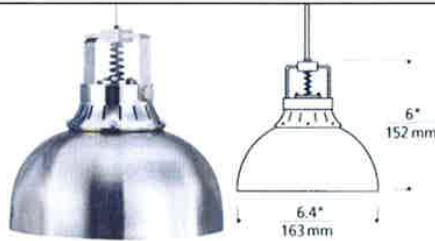
Note: supplied w/cable
not stem.

INSTALLATION

Socket terminates with FreeJack male connector, which may be installed into a system connector. Elements ordered with a system prefix include a connector for that system.

WEIGHT

1.4lb / 0.64kg ±



ORDERING INFORMATION

600	SYSTEM	MCRGS	FINISH
FJ	FREEJACK		Z ANTIQUE BRONZE
KL	KABLE LITE		S SATIN NICKEL
MP	MONOPOINT		
MO	MONORAIL		
MO2	TWO-CIRCUIT MONORAIL		

Note: MP includes 4" Round Flush Canopy.



600	MCRGS
FIXTURE TYPE: _____	
JOB NAME: _____	
NOTES: _____	



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Tech Lighting reserves the right to change specifications for product improvements without notification.



S21 LAMP



DEFINITY™

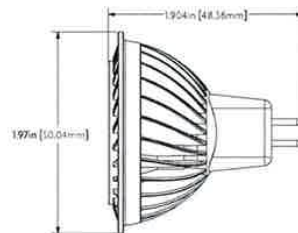
MR16 Hi-Output

BENEFITS

- 8 watts – up to 84% more efficient than comparable Halogen lamp.
- Replaces up to 50W MR16 halogen lamps.
- Maintenance free operation, lasts up to eight times longer than conventional lighting.
- 25,000 hour rated design life.
- Superior design requires no fans to optimize thermal dissipation.
- Beam distribution of 25° & 40°.
- Available from 2700-5000K CCT.
- Over 65 Lumens per watt in 3000 CCT Version
- ANSI compliant form factor.
- Compatible with a wide array of AC, DC and magnetic or electronic transformers.³

FEATURES¹

Equivalent Source	Up to 50W Halogen
L70 Lumen Depreciation up to	25,000 hours ²
Housing	Aluminum
Socket	GU 5.3 base
Beam Spread	25° & 40°
Narrow Flood, Flood	
Operating Temperature	-20° C to +40° C
MOL	1.904 in, 48.36mm
Voltage	12VDC
Warranty	5 year limited



Specifications are nominal. Please refer to the DDF's Lighting Facts Technical Guidelines. As a part of a continuous improvement process, specifications can be subject to change and are updated regularly at www.lsgc.com. Non-compatible transformers may cause microscopic effect due to nominal load requirements of the lamp. For more information, please refer to the DDF's Lighting Facts Technical Guidelines. This is not a lamp defect. LSGC advises to change the transformer. Values are nominal, subject to further innovation. Specifications are subject to change. L70 results based on 12 Volt DC source base up. ³ See attached transformer compatibility chart.

ADVISE COLOR TEMPERATURE & DISTRIBUTION



ORDERING INFORMATION \ \ DFN 16 WW V2 FL

Family	Product	Color (CCT)	Light Output	Distribution
DFN Definity	16 MR16	W27 Warm White 2700K	V2 High Output	NFL Narrow Flood
		WW Warm White 3000K		FL Flood
		NW Neutral White 4000K		
		CW Cool White 5000K		

NORTH AMERICAN CERTIFICATIONS



ENVIRONMENT



MR16 HI-OUTPUT Diameter & MOL

MR16 HI-OUTPUT MOL: 1.904in, 48.36mm

Diameter: 1.97in, 50.04mm



Specifications are typical values and may change without notification.
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MR16 Hi-Output

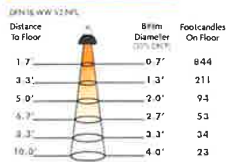
MR16 Hi-Output

Type S21 lamp

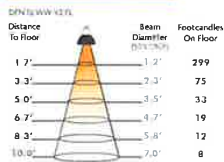
Part Number	Base Type	Wattage	Beam Angle ¹	Lumens	Efficacy	CRI	CBCP
DFN 16 NW V2 NFL	5.3	8W	25	535	67	83	2375
DFN 16 WW V2 NFL	5.3	8W	25	525	66	83	2350
DFN 16 W27 V2 NFL	5.3	8W	25	500	63	83	2230
DFN 16 CW V2 NFL	5.3	8W	25	550	69	67	2436
DFN 16 NW V2 FL	5.3	8W	40	515	64	83	1045
DFN 16 WW V2 FL	5.3	8W	40	500	63	83	1000
DFN 16 W27 V2 FL	5.3	8W	40	475	59	83	950
DFN 16 CW V2 FL	5.3	8W	40	525	66	67	1045

NFL: Narrow Flood NW: Neutral White WW: Warm White W27: Warm White 2700K CW: Cool White CBCP: Center Beam Candle Power

0° AIMING FOOTCANDLES



0° AIMING FOOTCANDLES



Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. Values are nominal, subject to change from further innovation, specifications are subject to change.

Cautions

- Turn power off before inspection, installation, or removal.
- Risk of Electric Shock – Do not use where directly exposed to water or weather.
- Suitable for Damp Locations.
- Do not open – no user serviceable parts inside.
- Not for use in fully sealed or enclosed fixture.
- This device is not intended for use with emergency exit fixtures or emergency exit lights.
- This device complies with Part 15 of the FCC rules and has been tested and found to comply with the limits for a Class B digital device. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generally uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.



Specifications are typical values and may change without notification.
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SCD-00003 DFN MR16_50W_REV A

877-999-5742 | www.lsgc.com
1227 South Patrick Drive | Satellite Beach, FL 32957

T-22



INFINIUM™ SPECTRAC SERIES
HIGH OUTPUT/DIMMING
GE SERIES/46 WATT MAXIMUM

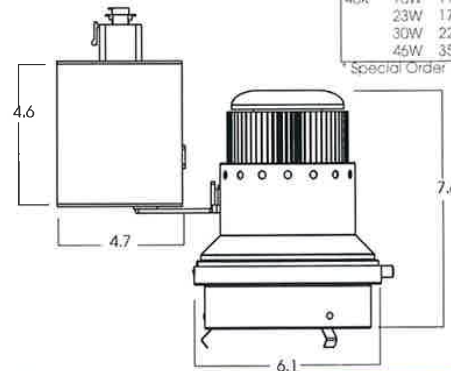
SARLED
SPECTRUM
INFINIUM™

PRODUCT INFORMATION:

- Spectrac SAR high output LED track light.
- Features quick change LED module.
- Machined aluminum construction.
- Single high powered LED produces point source quality and luminaire focus.
- 50,000 hours rated LED systems life means low maintenance.
- 2700°, 3000°, 3000°HK, and 4100° Kelvin.
- Medium, Wide, or Extra Wide beam distribution.
- Manufactured and tested to UL standards No 1598/8750.

Kelvin	Wattage	Lumens	CRI	SDCM
27K	15W	900	80	<4
	23W	1500	80	<4
	30W	1800	80	<4
30K	15W	1000	80	<4
	23W	1600	80	<4
	30W	2000	80	<4
30K* High CRI	15W	1000	87	<2
	23W	1600	87	<2
	30W	2000	87	<2
40K	15W	1100	80	<4
	23W	1750	80	<4
	30W	2200	80	<4
	46W	3500	80	<4

*Special Order



MODEL	LED	KELVIN	BEAM	DRIVER	ADAPTOR	FINISH	ACCESSORIES*
SAR38LEDGI- Spec Trak PAR38 Lamp LED Infusion™ Series	15W (1000 lm)	27K -2700° K	MD (25°)	E1 -Electronic 120v	GES66 -Works with GET Track	MT -Mini Textured Silver	FG -Frosted Face Lens
	23W (1500 lm)	30K -3000° K 3HK -3000° K High CRI	WD (35°)	E2 -Electronic 277v	TEK100 -Works with TEK Track	MB -Matte Black	LN34 -Lens (see lens pages)
	30W (2000 lm)	40K -4000° K	XW (60°)	Dimming Not Available	HTEK100 -Works with HTEK Track	MW -Matte White	SN34 -Snoot
	46W (3000lm)				GA100 -Works with XTS Track	CC -Custom Color	HL34 -Hex Louver
					GES70 -Monopoint Canopy	*See SPECTRUM color chart for a full list of colors (MT/MB/-with black adaptor & cord MW-with white adaptor & cord)	BD34 -Barn Door *Accessory finish

Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.



PROJECT:	TYPE: T22
CAT. SAR38LEDGI-23W-40K-MD-E1-TEK100-MW-BD34	

994 Jefferson Street, Fall River, MA 02721 508.678.2303 FAX 508.678.2260



REV3



SPECTRACK FILTER OPTIONS

LENSES SPECTRUM LIGHTING

Lens Options

Color/Types	Model No.	Color/Types	Model No.
Lemon Yellow 	#101	Azure Blue 	#148
Canary 	#102	Dark Blue 	#146
Cognac 	#502	Pale Blue 	#303
Light Amber 	#162	Primary Blue 	#144
Medium Amber 	#164	Medium Blue 	#143
Dark Amber 	#165	Sky Blue 	#142
Golden Amber 	#166	Ice Blue 	#302
Light Peach 	#204	Light Blue 	#140
Orange 	#167	Turquoise 	#149
Flame 	#208	Light Green 	#152
Red 	#180	Medium Green 	#157
Rose 	#173	Emerald Green 	#403
Plum 	#211	Dark Green 	#181
Grape 	#138	Deep Green 	#405
Light Rose 	#171	Medium Bronze 	#505
Light Salmon 	#205	Light Bronze 	#504
Pale Pink 	#170	Gray 	#603
Light Pink 	#170A	Light Gray 	#602
Medium Pink 	#172A	Diffusion 	#606
Light Lavender 	#133	Frost 	#100
Lavender 	#133B	UV Block 	#702
Purple 	#137	Gen. Spread 	#673
Violet 	#139	Linear Spread 	#600

SPECTRUM Output Controls	
	LN1620- 20 % Light Transmission
	LN1630- 30 % Light Transmission
	LN1640- 40 % Light Transmission
	LN1650- 50 % Light Transmission
	LS16 -Light Shield Eliminates Up-Light
	SN16- Snoot Focuses Light

Specify Lens Size and Color	
LN 16 #	
LN 20 #	
LN 30 #	
LN 38 #	
LN 46 #	
LN 56 #	
LN 64 #	

SPECIFY HEX LOUVER SIZE	
	HL 16
	HL 20
	HL 30
	HL 38
	HL 46
	HL 56
	HL 64



TRACK SERIES

Adaptor must match track-use this chart to select adaptor.
adaptor will be wired to track head.

	1 CIRCUIT	2 CIRCUIT		3 CIRCUIT
	1 NEUTRAL	2 NEUTRAL		1 NEUTRAL
SERIES NUMBER	GES	TEK	HTEK	XTS
Voltage	120	120	277	120
REQUIRED ADAPTOR	GES66	TEK100	HTEK100	GA100

	2 CIRCUIT			3 CIRCUIT
	1 NEUTRAL	2 NEUTRAL		1 NEUTRAL
SERIES NUMBER	GES	TEK	HTEK	XTS
Voltage	120	120	277	120
TRACK LENGTHS	SPECIFY FINISH: Natural Aluminum (-1) Available for track lengths only; Black (-2); White (-3)			
4' Length	GES304	TEK44 / *FTP44	HTEK44 / *FTP44	XTS44 / *FTP44
8' Length	GES308	TEK48 / *FTP48	HTEK48 / *FTP48	XTS48 / *FTP48
12' Length	GES312	TEK412 / *FTP412	HTEK412 / *FTP412	XTS412 / *FTP412
ACCESSORIES	SPECIFY FINISH: Black (-2); White (-3) *FTP (Recessed Track Jacket-Order Separately if Required)			
Live End	GES11	TEK11	HTEK11	XTS11
End Cap	GES41	TEK41	HTEK41	XTS41
Linear Coupler	GES21	TEK21	HTEK21	XTS21
Conduit End Feed	GES13	N/A	N/A	N/A
Live Middle Feed	GES14	TEK14	HTEK14	XTS14
Feedable L	GES34	TEK34	HTEK34	XTS34
Feedable T	GES40	TEK40	HTEK40	XTS40
Feedable X	GES38	TEK38	HTEK38	XTS38
Floating Feed	GES67	N/A	N/A	N/A
Conduit Continuation	GES13 & GES16	N/A	N/A	N/A
Flex Connect	GES23	N/A	N/A	N/A
Monopoint***	GES70	N/A	N/A	N/A
TRACK MOUNTING	SPECIFY FINISH: Black (-2); White (-3) 48" LENGTH			
Stem Kit	GEA37 / ()	SPUS / ()	SPUS / ()	SPUS / ()
End Feed Suspension	GEA11	SP4E	SP4E	SP4E
Universal Feed Suspension	GEA10	SP4P	SP4P	SP4P
L Feed Suspension	N/A	SP4L	SP4L	SP4L
T Feed Suspension	N/A	SP4T	SP4T	SP4T
X Feed Suspension	N/A	SP4X	SP4X	SP4X
TBAR Clip	GEA7	SKBT12	SKBT12	SKBT12
Cable Clip	N/A	SKB10	SKB10	SKB10
Threaded Rod Mounting Clip	GEA6			
Ceiling Cup for Cable Rod*	N/A	SKB30	SKB30	SKB30
Cable Lengths*	N/A	SKB34 (*)	SKB34 (*)	SKB34 (*)
SPECIFY FINISH: Black (-2); White (-3) / () : SPECIFY STEM LENGTH / (*): SPECIFY CABLE LENGTH, 5' OR 9'				

Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.



PROJECT:	TYPE: T22
CAT.	



994 Jefferson Street, Fall River, MA 02721 508.678.2303 FAX 508.678.2260

TEK TRACK

2 CIRCUIT / 2 NEUTRAL

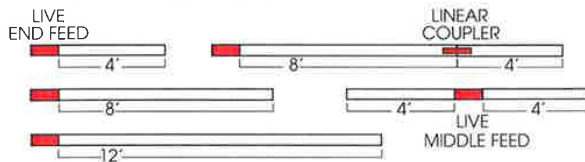
120 VOLT

USE TEK100 ADAPTOR

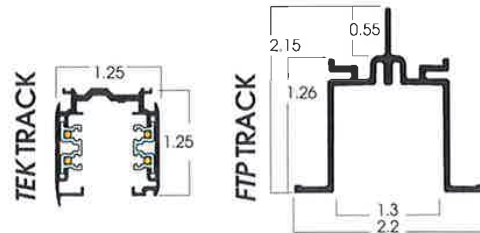
TEK
SERIES

COMPONENTS OF TEK TRACK INSTALLATION

TYPICAL TRACK INSTALLATIONS



- 2 Circuit/2 Neutral Track
- Architectural Grade.
- ISO 9002 Quality
- Integral Suspension rail.
- Copper connector/
polycarbonate components
- UL Listed.



DESCRIPTION	PART #	PART #
	TRACK	RECESSED
4' TRACK	TEK44	FTP44
8' TRACK	TEK48	FTP48
12' TRACK	TEK412	FTP412

SPECIFY FINISH: Natural Aluminum (-1) Available for track lengths only; Black (-2); White (-3)

ACCESSORIES FOR TEK TRACK INSTALLATION

LIVE END
TEK11



FEEDABLE "L"
CONNECTOR
TEK34



LIVE MIDDLE FEED
TEK14



DEAD END
TEK41



FEEDABLE "T"
CONNECTOR
RIGHT-TEK39, LEFT-TEK40



MONO POINT
1 CIRCUIT GES70
SPECIFY ADAPTOR GES66



LINEAR COUPLER
TEK21



FEEDABLE "X"
CONNECTOR
TEK38



SPECIFY FINISH: Black (-2); White (-3)

MOUNTING ACCESSORIES FOR TEK TRACK

STEM KIT for GES/GET
SPUS ()

Specify Stem Length
12", 18", 24", 48"



T-BAL CLIP
SKBT12



CABLE CLIP
SKB12



UNIVERSAL
SP4P



END FEED
SUSPENSION
SP4E



OTHER ACCESSORIES NOT SHOWN

DESCRIPTION	PART #
Ceiling Cup Cable	SKB30
Cable Lengths	SKB34 ()
(*5', 9')	

SPECIFY FINISH: Black (-2); White (-3)

Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.

SPECTRUM
LIGHTING, INC.
www.speclight.com

PROJECT:

TYPE: T22

CAT. NO.:



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STERNBERG

W23

LED Prairie Lighting Fixtures

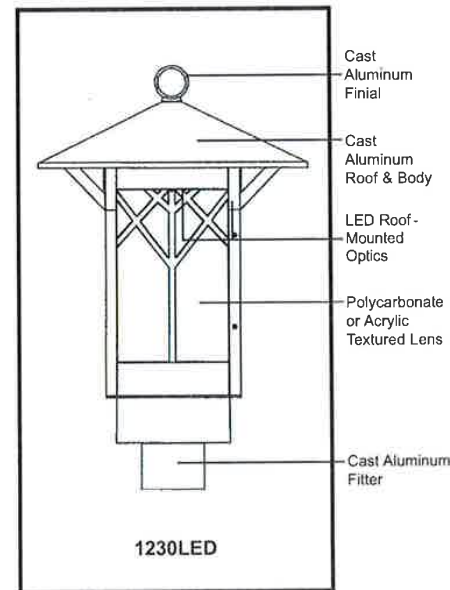
18-736

1230 LED PRAIRIE SERIES

SPECIFICATIONS

LUMINAIRE DESIGN

- The fixture is a large scale, dramatic Wrightian/ Mission squared edge design. It features a tall, straight four-sided decorative cast cage, a unique tree design grille, acrylic lens and a dramatic cantilever roof design.
- The roof shall be appointed with an aluminum ring finial.
- The luminaire shall have LED light sources and roof mounted, down-lighting optics.
- The luminaire shall be 24" square with a 37" overall height.
- The luminaire shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines.
- The luminaire shall be U.L. or E.T.L. listed in U.S. and Canada.



EPA = 4.48 (ft²)
WEIGHT = 71 LBS

POST FITTER

- The fitter shall be heavy wall cast aluminum for high tensile strength.
- It shall have an inside diameter opening to accept a 4", 5" or 6" square or round pole or tenon.
- When ordered with a Sternberg pole, the fitter shall be set screwed to the pole top or tenon.

DRIVER

- The LED driver shall be securely mounted inside the fitter, for optimized performance and longevity.
- The LED driver shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation.

LIGHT SOURCES

- The luminaire shall use high output, high brightness LEDs.
- The LEDs shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface.
- The LEDs shall be attached to the printed circuit board with not less than 90% pure silver to insure optimal electrical and thermal conductivity.
- The LEDs and printed circuit boards shall be protected from moisture and corrosion by a conformal coating of 1 to 3 mils.
- The LEDs and printed circuit board construction shall be environmentally friendly and 100% recyclable. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant.
- The LED life rating data shall be determined in accordance with IESNA LM-80-08.

LIST NO.
1230 LED
PRAIRIE
SERIES

8-11

(Continued on next page)

STERNBERG

LED Prairie Lighting Fixtures

18-736A

1230 LED PRAIRIE SERIES

SPECIFICATIONS

LIST NO.
1230 LED
PRAIRIE
SERIES

OPTICS

- The luminaire shall be provided with individual, acrylic, refractor type optics applied to each LED.
- The luminaire shall provide Type ____ (III or V) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79-08.

PERFORMANCE

- The LED arrays are built in series-parallel circuits which maintain overall light output in the event of single LED failures.
- The LEDs and LED driver shall operate over a -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- The High Performance white LEDs will have a life expectancy of approximately 70,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C.
- The High Brightness, High Output LED's shall be 4500K (3500K or 6000K option) color temperature with a minimum of 75 CRI.
- The luminaire shall have a minimum _____ (see table) initial delivered lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Light Source	Initial Delivered Lumens	Fixture Watts	Light Source	Initial Delivered Lumens	Fixture Watts
4A1R60T5-CSA	4250	95	4A1R60T3-CSA	3895	95
4A1R45T5-CSA	3180	95	4A1R45T3-CSA	2820	95
4A1R35T5-CSA	2650	95	4A1R35T3-CSA	2285	95
4ARC60T5-CSA	2820	66	4ARC60T3-CSA	2640	66
4ARC45T5-CSA	2085	66	4ARC45T3-CSA	1905	66
4ARC35T5-CSA	1720	66	4ARC35T3-CSA	1540	66
1RND60T5-CSA	1420	34	1RND60T3-CSA	1345	34
1RND45T5-CSA	1080	34	1RND45T3-CSA	1005	34
1RND35T5-CSA	910	34	1RND35T3-CSA	840	34

ELECTRONIC DRIVERS

- The driver shall be U.L. or E.T.L. Recognized.
- The driver shall have overload as well as short circuit protection.
- The driver shall be a DC voltage output, constant current design, 50/60HZ.

STERNBERG
LIGHTING

555 Lawrence Ave. Roselle, IL 60172 • 847-588-3400 • Fax 847-588-3440
www.sternberglighting.com Email: info@sternberglighting.com

8-11

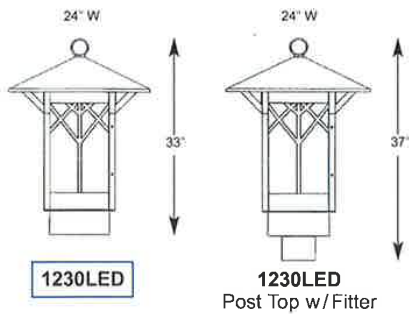
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18-736D

1230 LED PRAIRIE

ACORNS / FITTERS / ARMS PM - WB

FIXTURES



POST FITTERS

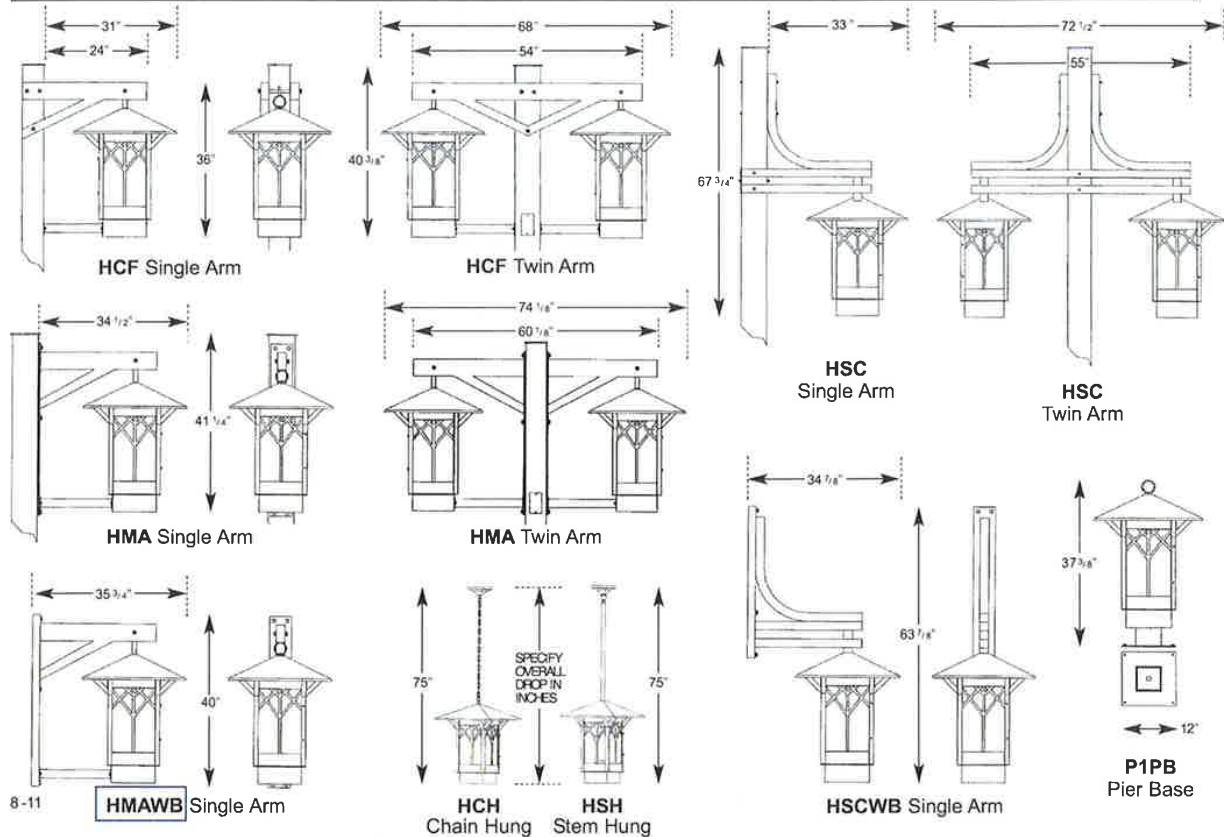
- S4"
- R4"
- S5"
- R5"
- S6"
- R6"

LENSES



ARMS - POST MOUNT or WALL BRACKETS (WB)

See Arms Section for more information



STERNBERG

Prairie Lighting Specifications

18-736E

BUILDING A PART NUMBER

POST & ARM FIXTURES

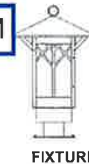


ARM MOUNTED FIXTURE	CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE	DRIVER	OPTIONS	FINISH
NO. OF ARMS 2	FIXTURE / POSTARM 1230LED/HCF	FIXTURE / FITTER PT	(See Post Section) 6SQ15	SC	4ARC60T5	MH	BK

WALL FIXTURES

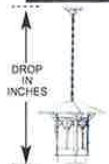


FIXTURE / WALL BRACKET	LIGHT SOURCE	DRIVER	OPTIONS	FINISH
1230LED/HMAWB	4ARC45T3	ML		BK



PIER FIXTURES
Uses same information boxes as wall fixture
1230LED/P1PB
FIXTURE / PIER BASE

HANGING FIXTURES



FIXTURE / HANGING BRACKET	OVERALL DROP IN INCHES	LIGHT SOURCE	DRIVER	OPTIONS	FINISH
1230LED/HCH44	75 INCHES	4ARC45T3	ML		BK

PART NUMBER SELECTIONS

FIXTURES	POST ARMS	WALL BRACKET ARMS	LIGHT SOURCES T5	LIGHT SOURCES T3	FINISHES STANDARD	FINISHES CUSTOM
• 1230LED	• 50PM	• 50WB	• 4A1R60T5	• 4A1R60T3	• BKT Black Textured	• WHT White
FITTERS	• 50DPM	• 478WB	95W, 6000K	95W, 6000K	• BK Black	Textured
• S4	• 478TPM	• 50DWB	Type V Optics	Type III Optics	• VG Verde Green	• WH White
• R4	• 70PM*	• 478WB	• 4A1R45T5	• 4A1R45T3	• PGT Park Green	• CV Copper Vein
• S5	• 80PM	• 478TSWB	95W, 4500K	95W, 4500K	Textured	• WBK Weathered
• R5	• 80DPM	• 70WB*	Type V Optics	Type III Optics	• PG Park Green	Black
• S6	• 480PM	• 80WB	• 4A1R35T5	• 4A1R35T3	• ABZT Architectural	• WBR Weathered
• R6	• 480DPM	• 80DWB	95W, 3500K	95W, 3500K	Medium	Brown
DRIVERS	• 55PM	• 480WB	Type V Optics	Type III Optics	• ABZ Architectural	• CD Cedar
• ML -	• 55LPM	• 480DWB	• 4ARC60T5	• 4ARC60T3	Medium Bronze	• RT Rust
120-277	• 5236PM	• 55WB	66W, 6000K	66W, 6000K	• SI Swedish Iron	• OI Old Iron
• MH -	• 579PT	• 55LWB	Type V Optics	Type III Optics	• DBT Dark Bronze	• TT Two Tone
347-480	• TAPT	• 6236WB	• 4ARC45T5	• 4ARC45T3	Textured	• CM Custom
• MDL -	• TASCRT	• 579WB	66W, 4500K	66W, 4500K	• DB Dark Bronze	Match
Dimming	• BAPT	• TASCWB	Type V Optics	Type III Optics	• OWGT Old World Gray	
120-277	LENSES	• HSH44	• 4ARC35T5	• 4ARC35T3	• OWG Old World Gray	
• MDH -	• CSA	HANGING BRACKETS	66W, 3500K	66W, 3500K		
Dimming	• CTA	• HCH44	Type V Optics	Type III Optics		
347-480	• PA	• HSH44	• 1RND60T5	• 1RND60T3		
PIER BASE	• WA		34W, 6000K	34W, 6000K		
• P1PB	• AGB		Type V Optics	Type III Optics		
			• 1RND45T5	• 1RND45T3		
			34W, 4500K	34W, 4500K		
			Type V Optics	Type III Optics		
			• 1RND35T5	• 1RND35T3		
			34W, 3500K	34W, 3500K		
			Type V Optics	Type III Optics		

SILVER FINISH

STERNBERG
LIGHTING

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8-11



FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — **LP6LN (New Construction)**: Rugged, 16-gauge galvanized steel mounting frame with torsion spring bracket to mount the finishing module. Vertically adjustable mounting brackets that use 16-gauge flat bar hangers (included), 1/2" conduit or C channel T-bar fasteners. Provides 3-3/4" total height adjustment.

6VL (New Construction): Galvanized steel mounting/plaster frame with torsion spring bracket to mount the finishing module. Integral galvanized bar hangers span up to 24" o.c. and feature built-in T-bar clips and nailers for T-bar or wood joist installations.

6VLR (Remodel): Galvanized steel remodel mounting/plaster frame with torsion spring bracket to mount the finishing module. Four (4) remodel ARC clips included for remodel installation.

All frames are equipped with galvanized steel junction box UL Listed for through wire applications. Junction boxes equipped with two combination 1/2"-3/4" and three 1/2" knockouts for straight-through conduit runs and removable access doors. Capacity: 4 (2 in, 2 out), No. 12 AWG conductors, rated for 90°C.

Post installation adjustment possible from below the ceiling.

Maximum 1-1/2" ceiling thickness.

LED Trim: Rugged, one-piece, die-cast heat sink design for optimum thermal management. Wet location rated lens is tightly fitted to the housing to reduce the ingress of dust.

OPTICS — Elliptical upper reflector and micro prism lens, provides precise beam control. Lower splay recesses optical system into the ceiling to reduce glare and provide a traditional PAR look. Standard fixture has a 0.65 spacing criteria. The luminaire is also available with a 0.95 spacing criteria option for use in general/ambient lighting applications.

CRI>80.

ELECTRICAL — On-board circuitry to ensure against wiring errors.

Thermal protection provided against improper insulation use.

High-efficiency, electronic LED 0-10V dimming driver mounted to the junction box, dims luminaire to 15% light output.

For dimming fixture requires two (2) additional low-voltage wires to be pulled.

The system maintains 70% lumen output for more than 50,000 hours.

Input wattage for 1000L is 14.2W, 74 lumens per watt. Input wattage for 1500L is 18.8W, 85 lumens per watt.

Actual wattage may differ by +/-15% when operating between 120-277V +/-10%.

LISTINGS — CSA certified to US and Canadian safety standards. Wet location listed. ENERGY STAR® qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

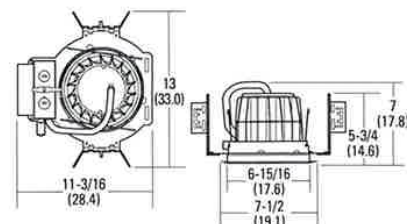
Note: Specifications subject to change without notice.

Catalog Number	REAL6C D6AZ ESL 1000L 40K .65SC 277 LP6LN PFMW
Notes	KIPP COLUMBUS FOUNDATION CHARTER SCHOOL
Type	R24

6" LED



Non-IC
New Construction



Specifications

Aperture: 4-3/8 (11.1)

Ceiling opening: 6-15/16 (17.6)

Overlap trim: 7-1/2 (19.1)

Height: 7 (17.8)

All dimensions are inches (centimeters) unless otherwise noted.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: REAL6C D6MW ESL 1500L 35K .95SC 277 LP6LN

REAL6C D6 AZ		R24	1000L	40K	.65SC	277	LP6LN	PFMW
Series/Finish		Type	Lumen output ¹	Color temperature	Distribution	Voltage	Mounting pan	Options
Series REAL6C D6 6" open downlight	Finish	ESL ENERGY STAR® listed	1000L 14.2W, 1000 lumens 1500L 18.8W, 1500 lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K	.65SC .65 Spacing criteria .95SC .95 Spacing criteria	120 277 347 ²	LP6LN 1000L ³ LP6LN 1500L ³ 6VL 1000L ³ 6VLR 1000L ³ 6VLR 1500L ³	PFMW Matte white plastic flange ring PFBL Black plastic flange ring ELR ⁴ Emergency battery pack with remote test switch NSD ⁵ Sensor Switch nLight™ dim- ming relay GMF Single slow- blow fuse, must specify voltage ISH Insect shield
	A Matte white							
	A Clear diffuse							
	AZ Clear specular							
	BN Brushed nickel							
	BLZ Black specular							
	BZA Antique bronze							
	ORB Oil-rubbed bronze							
	WT Wheat diffuse							



6VLR



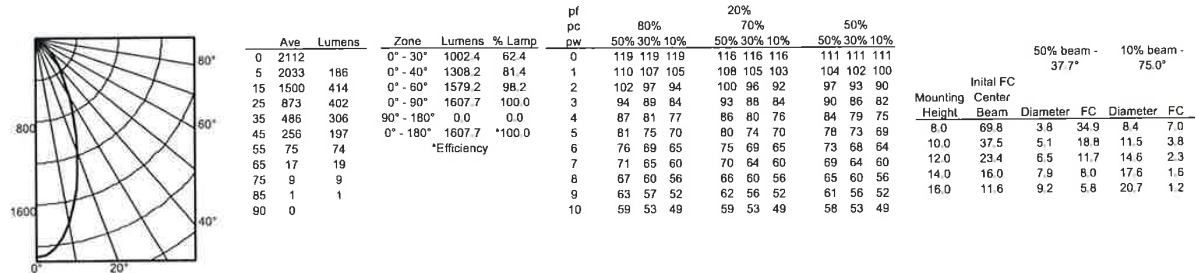
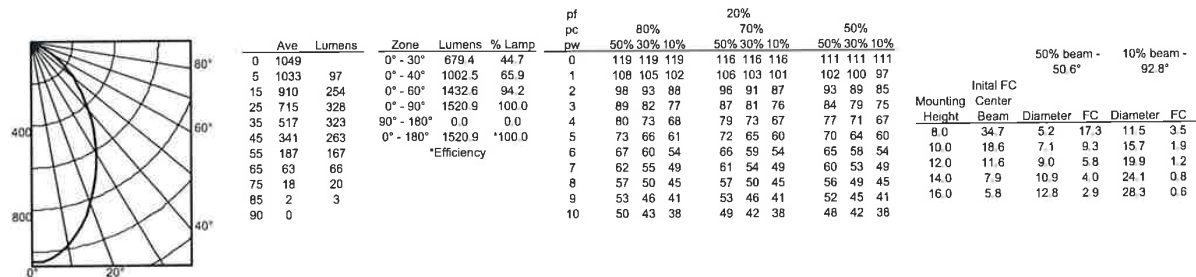
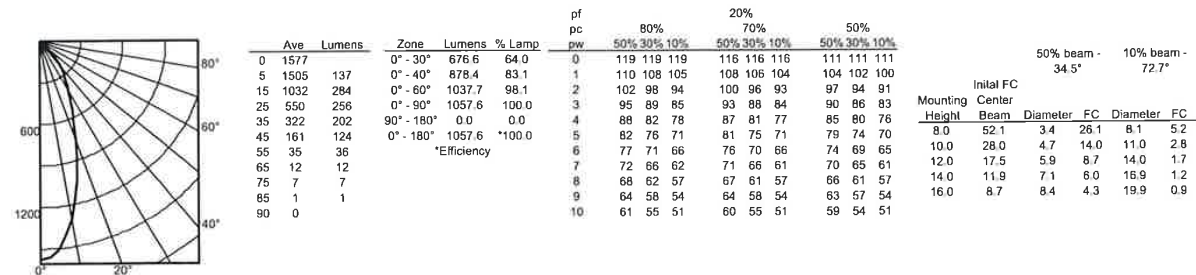
6VL

Notes

- 1 Total system nominal delivered lumens.
- 2 Using step-down transformer increases power draw by 15 watts.
- 3 Lumens only required when ordered separately.
- 4 Not available with 347V.
- 5 One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply.

REALITY™ 6" LED ENERGY STAR®**PHOTOMETRICS**

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
--------------------	-------------------	-------------	----------------------------	--

REAL6C D6MW ESL 35K 1500L .65SC, input watts: 18.8, delivered lumens: 1607, .65 spacing, LM/W=85, test no. LTL21387**REAL6C D6MW ESL 1500L 35K .95SC**, input watts: 18.8, delivered lumens: 1520, .95 spacing, LM/W=81, test no. LTL21389**REAL6C D6MW ESL 1000L 35K .65SC**, input watts: 14.2, delivered lumens: 1057, .65 spacing, LM/W=74, test no. LTL21373

Color temperature	Lumen multiplier
27K	0.83
30K	0.94
35K	1.00 (Baseline)
40K	1.03

Trim finish	Lumen multiplier
Clear Diffuse (A)	1.01
Matte White (MW)	1.00
Clear Specular (AZ)	1.00
Wheat (WT)	0.98
Brushed Nickel (BN)	0.97
Black Specular (BLZ)	0.96
Antique Bronze (BZA)	0.95
Oil-Rubbed Bronze (ORB)	0.95

COMPATIBLE DIMMER SWITCHES	
Manufacturer	Model number
Synergy®	ISD BC 120/277
Leviton®	IP710-DLX
Lutron®	NTFV-WH For on/off control, this switch requires a power pack. Consult Lutron for more information.

Notes

- Actual performance may differ as a result of end-user environment and application.

REALITY-6-LED-COMMERCIAL-ESL





D-Series Size 2 LED Wall Luminaire



Catalog Number DSXW2 LED 30C 1000 50K TFTM MVOLT HS DBBXD

Notes KIPP COLUMBUS FOUNDATION CHARTER SCHOOL

Type W25

Specifications Luminaire

Width: 18-1/2"
(47.0 cm)

Depth: 10"
(25.4 cm)

Height: 7-5/8"
(19.4 cm)

Weight: 21 lbs
(9.5 kg)

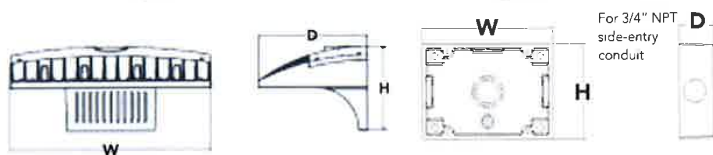
Back Box (BBW)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)

Height: 4"
(10.2 cm)

BBW Weight: 1 lbs
(0.5 kg)



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 76% in energy savings over comparable 400W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DDBTXD

DSXW2 LED	30C 1000 50K	TFTM	MVOLT	HS	DBBXD
DSXW2 LED	LEDs	T2S Type II Short	MVOLT¹	Shipped included	Shipped installed
	20C 20 LEDs (two engines)	T2M Type II Medium	120 ¹	(blank) Surface mounting bracket	PE Photoelectric cell, button type ²
	30C 30 LEDs (three engines)	T3S Type III Short	208 ¹		PER NEMA twist-lock receptacle only (no controls)
		T3M Type III Medium	240 ¹		DMG 0-10V dimming driver (no controls)
		T4M Type IV Medium	277 ¹		DCR Dimmable and controllable via ROAM [®] (no controls) ⁵
		TFTM Forward Throw Medium	347 ²		PIRH 180° motion/ambient light sensor, 15-30' mtg ht. ⁶
			480 ²	Shipped separately³	
	Drive current			BBW Surface-mounted back box (for conduit entry)	
	350 350 mA				
	530 530 mA				
	700 700 mA				
	1000 1000 mA (1 A)				
	Color temperature				
	30K 3000K				
	40K 4000K				
	50K 5000K				
					Shipped separately
					BSW Bird-deterrent spikes ³
					WG Wire guard ³
					VG Vandal guard ³
					DBBXD Dark bronze
					DBLXD Black
					DNAXD Natural aluminum
					DWHXD White
					DSSXD Sandstone
					DDBTXD Textured dark bronze
					DBLBXD Textured black
					DNATXD Textured natural aluminum
					DWHGXD Textured white
					DSSTXD Textured sandstone

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Available with 30 LED/700mA options only (DSXW2 LED 30C 700).
- Also available as a separate accessory; see Accessories information.
- Photocontrol (PE) requires 120, 208, 240 or 277 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Specifies a ROAM[®] enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347 or 480V. Additional hardware and services required for ROAM[®] deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net.
- Specifies the Sensor Switch SBR-6-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁴
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁴
SC U	Shorting cap ¹
DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW2WG U	Wire guard accessory
DSXW2VG U	Vandal guard accessory
DSXW2BBW	Back box accessory
DBBXD U	(specify finish)

Lithonia Colors

Page 1 of 1

Job: Kipp Academy Type W25 colors



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COLOR OPTIONS

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AVAILABILITY BY PRODUCT

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RESOURCES

[Lithonia colors in Alpha Order](#)

[RAL colors in Numerical Order](#)

[Custom Color Order Procedures](#)

[Custom Color Order Submittal Form](#)

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LITHONIA COLORS

The visualization of the colors on the screen is conditional based on the characteristics of your printer, monitor and its graphics card. This chart is intended as a reference guide only. Please - always contact a Lithonia representative for an accurate paint chip sample.

Color Chip	ABL Code	Color Name	Part #
	DBL	Black	P13
	DDB	Dark Bronze	P50
	DWH	White	P21
	DNA	Natural Aluminum	P07
	DMB	Medium Bronze	P11
	DSS	Sandstone	P12
	DGC	Charcoal Grey	P32
	DTG	Tennis Green	P33
	DSB	Steel Blue	P49
	DBR	Bright Red	P34



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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 65 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	530	20C 530 --K	36 W	T2S	3533	1	0	1	98	3860	1	0	1	107
				T2M	3437	1	0	1	95	3755	1	0	1	104
				T3S	3489	1	0	1	97	3811	1	0	1	106
				T3M	3545	1	0	2	98	3873	1	0	2	108
				T4M	3498	1	0	1	97	3822	1	0	1	106
				TFIM	3495	1	0	1	97	3819	1	0	1	106
	700	20C 700 --K	47 W	T2S	4371	1	0	1	93	4776	1	0	1	102
				T2M	4252	1	0	1	90	4647	1	0	2	99
				T3S	4316	1	0	1	92	4716	1	0	1	100
				T3M	4386	1	0	2	93	4793	1	0	2	102
				T4M	4328	1	0	1	92	4729	1	0	2	101
				TFIM	4324	1	0	1	92	4725	1	0	2	101
	1000	20C 1000 --K	73 W	T2S	5914	1	0	1	81	6462	1	0	1	89
				T2M	5754	1	0	2	79	6287	2	0	2	86
				T3S	5839	1	0	1	80	6380	1	0	2	87
				T3M	5935	1	0	2	81	6484	1	0	2	89
				T4M	5855	1	0	2	80	6398	1	0	2	88
				TFIM	5851	1	0	2	80	6393	1	0	2	88
30C (30 LEDs)	530	30C 530 --K	54 W	T2S	5280	1	0	1	98	5769	1	0	1	107
				T2M	5137	1	0	2	95	5613	1	0	2	104
				T3S	5214	1	0	1	97	5696	1	0	1	105
				T3M	5298	1	0	2	98	5789	1	0	2	107
				T4M	5228	1	0	2	97	5712	1	0	2	106
				TFIM	5223	1	0	2	97	5707	1	0	2	106
	700	30C 700 --K	71 W	T2S	6513	1	0	1	92	7118	2	0	2	100
				T2M	6337	2	0	2	89	6925	2	0	2	98
				T3S	6431	1	0	2	91	7028	1	0	2	99
				T3M	6536	1	0	2	92	7143	2	0	3	101
				T4M	6449	1	0	2	91	7047	1	0	2	99
				TFIM	6444	1	0	2	91	7042	1	0	2	99
	1000	30C 1000 --K	109 W	T2S	8697	2	0	2	80	9501	2	0	2	87
				T2M	8462	2	0	2	78	9244	2	0	2	85
				T3S	8588	1	0	2	79	9381	2	0	2	86
				T3M	8728	2	0	3	80	9534	2	0	3	87
				T4M	8611	1	0	2	79	9407	2	0	2	86
				TFIM	8604	2	0	2	79	9399	2	0	2	86

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW2 LED 30C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

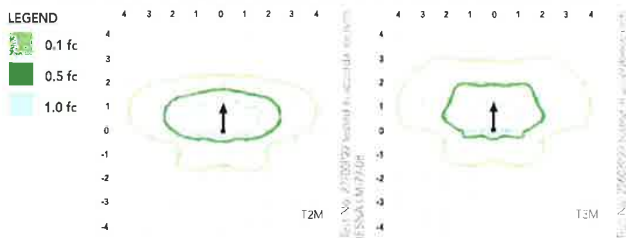
Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	73 W	0.68	0.39	0.34	0.29	-	-
30C	350	36 W	0.33	0.19	0.17	0.14	-	-
	530	54 W	0.50	0.29	0.25	0.22	-	-
	700	71 W	0.66	0.38	0.33	0.28	0.23	0.16
	1000	109 W	1.01	0.58	0.50	0.44	-	-

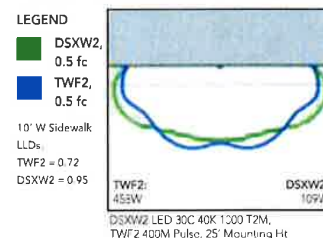
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 2 homepage.

Isofootcandle plots for the DSXW2 LED 30C 1000 40K. Distances are in units of mounting height (25').



Distribution overlay comparison to 400W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 2 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000K (80 min. CRI),

4000K (70 min. CRI) or 5000K (65 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L87/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours. Surge protection device meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient

WARRANTY

Five year limited warranty. Full warranty terms located at www.lithonia.com/customerresources/terms_and_conditions.aspx.

Note: Specifications subject to change without notice.



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DSXW2-LED
Rev. 5/30/13



FEATURES & SPECIFICATIONS

INTENDED USE

Provides maintenance-free general illumination for outdoor use in residential and commercial applications such as retail, education, multi-unit housing and storage. Ideal for lighting building facades, parking areas, walkways, garages, loading areas and any other outdoor space requiring reliable safety and security.

CONSTRUCTION

Sturdy weather-resistant aluminum housing with a bronze finish.

High performance LEDs are powered by an MVOLT driver that provides 2,300/3,100 delivered lumens at 5000K. 100,000 hours LED lifespan based on IESNA LM-80-08 results and calculated per IESNA TM-21-11 methodology. Fixture is maintenance-free.

Rated for outdoor installations -40°C minimum ambient.

Adjustable Dusk-to-Dawn, photocell standard automatically turns light on at dusk and off at dawn for convenience and energy savings.

Photocell can be disabled by rotating the photocell cover.

OPTICS

Precision-molded acrylic lenses provide optimal luminaire spacing with Type 3 distribution.

Nighttime Friendly™ full cutoff above 90° angle, standard.

INSTALLATION

Wall or arm mount (mounting arm sold separately).

All mounting hardware included.

LISTINGS

UL Certified to US safety standards. C-UL Certified to Canadian safety standards. Wet location listed.

Tested in accordance with IESNA LM-79 and LM-80 standards. DLC qualified product.

WARRANTY

5-year limited warranty. Complete warranty terms located at

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Specifications are subject to change without notice.

Catalog Number	OLW 31
Notes	KIPP COLUMBUS FOUNDATION CHARTER SCHOOL
Type	W26

Outdoor General Purpose

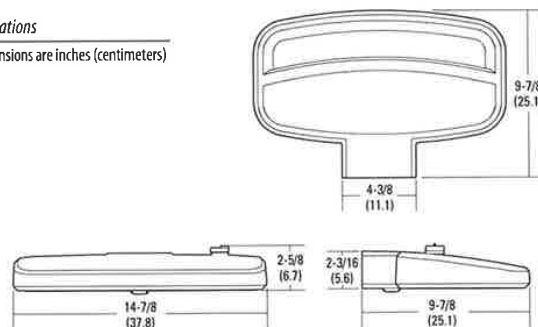
OLW

LED WALL PACK



Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLW 23

OLW	31			
Series	Lumens / Color temperature (CCT)	Voltage	Features	Finish
OLW LED Wall Light	23 2300 delivered lumens / 5000K ¹	(blank) MVOLT (120V-277V)	(blank) Photocell included	(blank) DDB Dark Bronze
	31 3100 delivered lumens / 5000K ¹			

Accessories: Order as separate catalog number.

OMA M6 14" Aluminum Mounting Arm

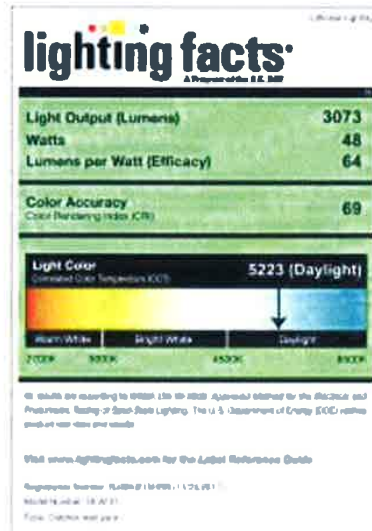
Notes

1 Correlated Color Temperature (CCT) shown is nominal per ANSI C78,377-2008.

OLW LED Wall Light

PHOTOMETRICS

Full photometric data report available within 2 weeks from request. Consult factory.
Tested in accordance with IESNA LM-79 and LM-80 standards.





FEATURES & SPECIFICATIONS

INTENDED USE — Specification premium, high performance, static T8 luminaires provide general illumination for recessed applications; ideal for restricted plenum spaces. Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

ATTRIBUTES — Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION — Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder-painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

US PATENTS: 6,210,025; 6,231,213; 6,213,625; 2,288,471.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with highly reflective matte white enamel.

OPTICAL — A12 lens features reverse apex technology for superior lamp obscuration and improved visual comfort.

ELECTRICAL — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING — Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

Catalog Number	2SP8 G 6 32 RW A12156 MVOLT 2/3
Notes	GEB10PS LP735
Type	R27

Specification Premium T8 Troffer

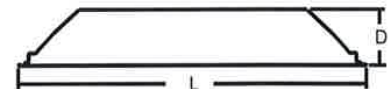
SP8 2'X4'

2, 3, 4 or 6 Lamps
T8



Specifications

Length: 48 (1218)
Width: 24 (609)
Depth: 3-11/16 (94)
Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS

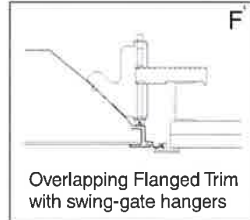
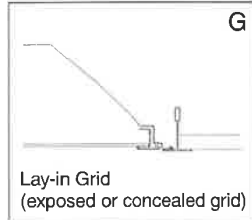
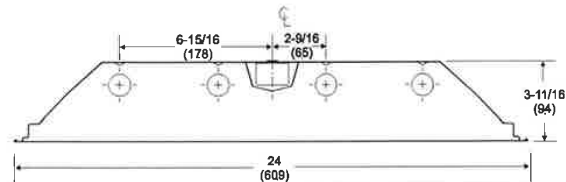
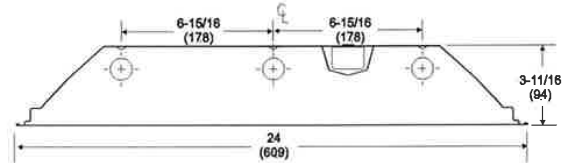
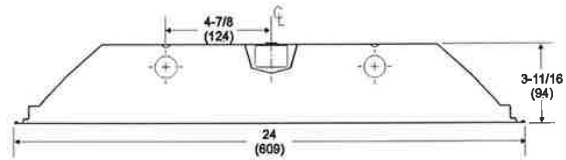
2SP8	G	6	32	RW	A12156	MVOLT	2/3 GEB10PS LP735
Series	Trim type	Number of lamps	Lamp type	Door frame	Diffuser type	Voltage	Options
2SP8 2' wide	G Grid F Overlapping flanged	2 3 4 6 Not included	32 32W T8 (48")	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	A12 #12 pattern acrylic A12125 #12 pattern acrylic, .125" thick RA125 #12 pattern acrylic, .125" thick, reverse apex A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC15 1/2" x 1/2" x 1/2" plastic cube louver, silver PC25 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange PC35 3/4" x 3/4" x 1/2" plastic cube louver, silver	120 277 347 ¹ MVOLT² Others available	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, <10% THD, instant start GEB10PS Electronic ballast, <10% THD, programmed start GEB10RS Electronic ballast, <10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse ³ GMF Internal slow-blow fuse ³ LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit PWS1846 6' prewire, 3/8" dia., 18-gauge, 2 circuit LP735 Lamped, 700-series, 3500K LP_ Lamped, specify lamp type and color JP Palletized and stretch-wrapped without individual cartons; grid trim only CSA CSA Certified NOM NOM Certified CP Chicago Plenum
A12156 - .125" MINIMUM ACRYLIC LENS							
2/3 - (2) 3-LAMP BALLASTS							

NOTE:

- Not available with GEB10PS.
- MVOLT standard for 120-277V applications, 50-60 Hz operation. Some options require voltage specified.
- Must specify voltage 120 or 277V.

SP8 2'x4' Static T8 Troffer**MOUNTING DATA**

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

**DIMENSIONS****NOTE:**

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48". (Tolerance is +1/4"-0") Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 9/16" over nominal fixture height.

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2SP8 2 32 A12***Report LTL 7525****Lumens per lamp - 2850 – Lum. eff. - 85.5%****S/MH (along) 1.3 (across) 1.4****Coefficient of Utilization**

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	99	99	99	95	95	95
1	94	90	87	92	88	85	85	82	80
2	86	80	74	84	78	73	75	71	68
3	79	71	64	77	70	64	67	62	58
4	73	63	56	71	62	56	60	55	50
5	67	57	50	66	56	49	54	48	44
6	62	52	44	61	51	44	49	43	39
7	58	47	40	57	46	40	45	39	34
8	54	43	36	53	42	36	41	35	31
9	51	39	33	49	39	33	38	32	28
10	47	36	30	46	36	30	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1541	27.0	31.6
0-40	2571	45.1	52.7
0-60	4192	73.5	86.0
0-90	4874	85.5	100.0
90-180	0	0	0
0-180	4874	85.5	100.0

2SP8 3 32 A12***Report LTL 7492****Lumens per lamp - 2850 – Lum. eff. - 83.6%****S/MH (along) 1.3 (across) 1.4****Coefficient of Utilization**

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	100	100	100	97	97	97	93	93	93
1	92	88	85	90	86	83	83	80	78
2	84	78	73	82	77	72	74	70	66
3	78	70	63	76	68	62	66	61	57
4	72	62	55	70	61	55	59	54	49
5	66	56	49	64	55	49	53	48	43
6	61	51	44	60	50	43	49	43	38
7	57	46	39	56	46	39	44	38	34
8	53	42	36	52	42	35	41	35	31
9	50	39	32	49	38	32	38	32	28
10	47	36	30	46	36	29	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2319	27.1	32.4
0-40	3833	44.8	53.6
0-60	6164	72.1	86.2
0-90	7147	83.6	100.0
90-180	0	0	0
0-180	7147	83.6	100.0

2SP8 4 32 A12***Report LTL 7526****Lumens per lamp - 2850 – Lum. eff. - 81.5%****S/MH (along) 1.2 (across) 1.4****Coefficient of Utilization**

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	90	86	83	87	84	81	81	78	76
2	82	76	71	80	75	70	72	68	65
3	76	68	62	74	67	61	64	59	55
4	70	61	54	68	60	53	58	52	48
5	64	55	48	63	54	47	52	46	42
6	60	50	43	58	49	42	47	42	37
7	56	45	38	54	44	38	43	37	33
8	52	41	35	51	41	34	40	34	30
9	48	38	32	47	38	31	37	31	27
10	46	35	29	44	35	29	34	28	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	3029	26.6	32.6
0-40	4999	43.8	53.8
0-60	8017	70.3	86.3
0-90	9292	81.5	100.0
90-180	0	0	0
0-180	9292	81.5	100.0

*With reverse apex lens



SP8-2X4



FEATURES & SPECIFICATIONS

INTENDED USE — Specification premium, high performance, static T8 luminaires provide general illumination for recessed applications; ideal for restricted plenum spaces. Certain airborne contaminants can diminish integrity of acrylic. [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

ATTRIBUTES — Designed exclusively for use with T8 lamps, electronic ballasts and sockets.

CONSTRUCTION — Smooth hemmed sides and smooth, inward formed end flanges for safe handling. Lighter weight fixture allows safe, easy installation.

Standard steel door frame has superior structural integrity with premium extruded appearance and precision flush mitered corners. Steel door allows easy lens replacement without frame disassembly (for lenses up to .156" thick). Powder-painted, steel latches provide easy, secure door closure.

Superior mechanical light seal requires no foam gasketing. Integral T-bar clips secure fixture to T-bar system. Housing formed from cold-rolled steel. Acrylic shielding material 100% UV stabilized. No asbestos is used in this product.

US PATENTS: 6,210,025; 6,231,213; 6,213,625; 2,288,471.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with highly reflective matte white enamel.

OPTICAL — A12 lens features reverse apex technology for superior lamp obscuration and improved visual comfort.

ELECTRICAL — Standard ballast is electronic, thermally protected, resetting, Class P, HPF, non-PCB, UL Listed, CSA certified ballast, universal voltage and sound rated A.

Luminaire is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

LISTING — Standard: UL. Optional: Canada — CSA or cUL; Mexico — NOM.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.aquitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.

Catalog Number	2SP8 G 3 32 RW A12156V MVOLT 1/3
Notes	GEB10PS LP735
Type	R28

Specification Premium T8 Troffer

SP8 2'X4'

2, 3, 4 or 6 Lamps
T8

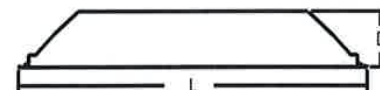
Specifications

Length: 48 (1218)

Width: 24 (609)

Depth: 3-11/16 (94)

Weight: 22 lbs (9.9 kg)



All dimensions are inches (millimeters).

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: 2SP8 G 3 32 A12 MVOLT 1/3 GEB10IS

2SP8	G	3	32	RW	A12156V	MVOLT	1/3 GEB10PS LP735
Series	Trim type	Number of lamps	Lamp type	Door frame	Diffuser type	Voltage	Options
2SP8 2' wide	G Grid F Overlapping flanged	2 3 4 6 Not included	32 32WT8 (48")	(blank) Flush steel, white FN Flush aluminum, natural FM Flush aluminum, matte black FW Flush aluminum, white RN Regressed aluminum, natural RM Regressed aluminum, matte black RW Regressed aluminum, white	A12 #12 pattern acrylic A1212S #12 pattern acrylic, .125" thick RA12S #12 pattern acrylic, .125" thick, reverse apex A19 #19 pattern acrylic, .156" thick A15 #15 pattern acrylic, .2" thick PC1S 1/2" x 1/2" x 1/2" plastic cube louver, silver PC2S 1-1/2" x 1-1/2" x 1" plastic cube louver, silver w/ flange PC3S 3/4" x 3/4" x 1/2" plastic cube louver, silver	120 277 347 ¹ MVOLT ² Others available	1/4 One 4-lamp ballast 1/3 One 3-lamp ballast GEB10IS Electronic ballast, <10% THD, instant start GEB10PS Electronic ballast, <10% THD, programmed start GEB10RS Electronic ballast, <10% THD, rapid start EL Emergency battery pack (nominal 300 lumens) EL14 Emergency battery pack (nominal 1400 lumens) GLR Internal fast-blow fuse ³ GMF Internal slow-blow fuse ³ LST Tandem-wired fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 1 circuit PWS1846 6' prewire, 3/8" dia., 18-gauge, 2 circuit LP735 Lamped, 700-series, 3500K LP_ Lamped, specify lamp type and color JP Palletized and stretch-wrapped without individual cartons; grid trim only CSA CSA Certified NOM NOM Certified CP Chicago Plenum
A12156V - INVERTED .125" MINIMUM ACRYLIC LENS							

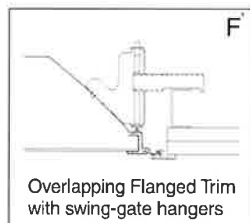
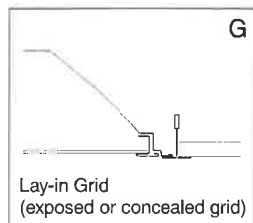
NOTE:

- Not available with GEB10PS.
- MVOLT standard for 120-277V applications, 50-60 hz operation. Some options require voltage specified.
- Must specify voltage 120 or 277V.

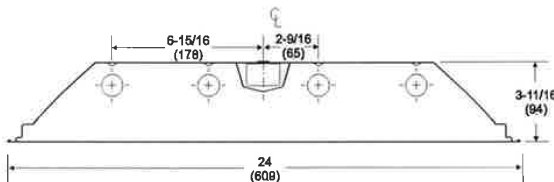
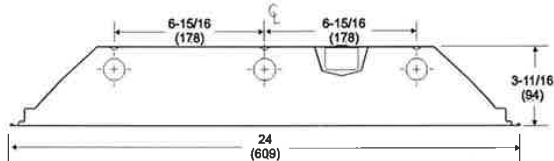
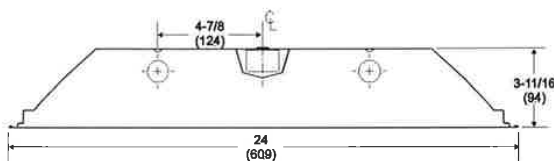
SP8 2'x4' Static T8 Troffer

MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).



DIMENSIONS



NOTE:

- 1 Recommended rough-in dimensions for F-trim fixtures 24"x48". (Tolerance is +1/4"-0") Swing-gate range 1-3/16" to 3-15/16". Swing-gate span 23-3/8" to 26-11/16". Fixture swing-gate points require additional 9/16" over nominal fixture height.

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2SP8 2 32 A12*

Report LTL 7525

Lumens per lamp - 2850 - Lum. eff. - 85.5%

S/MH (along) 1.3 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	102	102	102	99	99	99	95	95	95
1	94	90	87	92	88	85	85	82	80
2	86	80	74	84	78	73	75	71	68
3	79	71	64	77	70	64	67	62	58
4	73	63	56	71	62	56	60	55	50
5	67	57	50	66	56	49	54	48	44
6	62	52	44	61	51	44	49	43	39
7	58	47	40	57	46	40	45	39	34
8	54	43	36	53	42	36	41	35	31
9	51	39	33	49	39	33	38	32	28
10	47	36	30	46	36	30	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	1541	27.0	31.6
0-40	2571	45.1	52.7
0-60	4192	73.5	86.0
0-90	4874	85.5	100.0
90-180	0	0	0
0-180	4874	85.5	100.0

2SP8 3 32 A12*

Report LTL 7492

Lumens per lamp - 2850 - Lum. eff. - 83.6%

S/MH (along) 1.3 (across) 1.4

Coefficient of Utilization

Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	100	100	100	97	97	97	93	93	93
1	92	88	85	90	86	83	83	80	78
2	84	78	73	82	77	72	74	70	66
3	78	70	63	76	68	62	66	61	57
4	72	62	55	70	61	55	59	54	49
5	66	56	49	64	55	49	53	48	43
6	61	51	44	60	50	43	49	43	38
7	57	46	39	56	46	39	44	38	34
8	53	42	36	52	42	35	41	35	31
9	50	39	32	49	38	32	38	32	28
10	47	36	30	46	36	29	35	29	25

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixture
0-30	2319	27.1	32.4
0-40	3833	44.8	53.6
0-60	6164	72.1	86.2
0-90	7147	83.6	100.0
90-180	0	0	0
0-180	7147	83.6	100.0

2SP8 4 32 A12*

Report LTL 7526

Lumens per lamp - 2850 - Lum. eff. - 81.5%

S/MH (along) 1.2 (across) 1.4

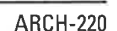
Coefficient of Utilization

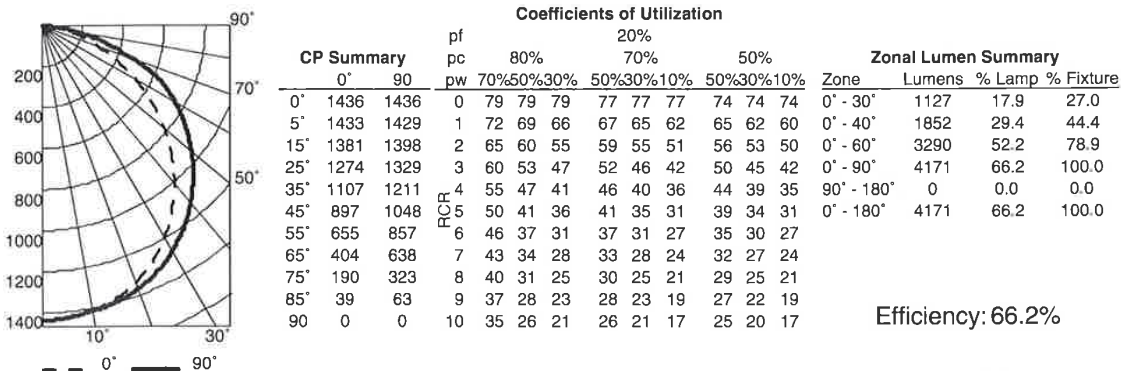
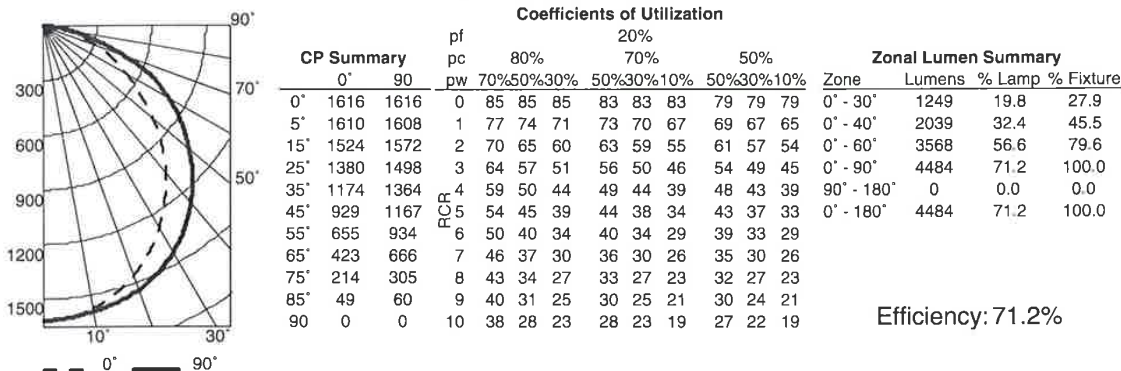
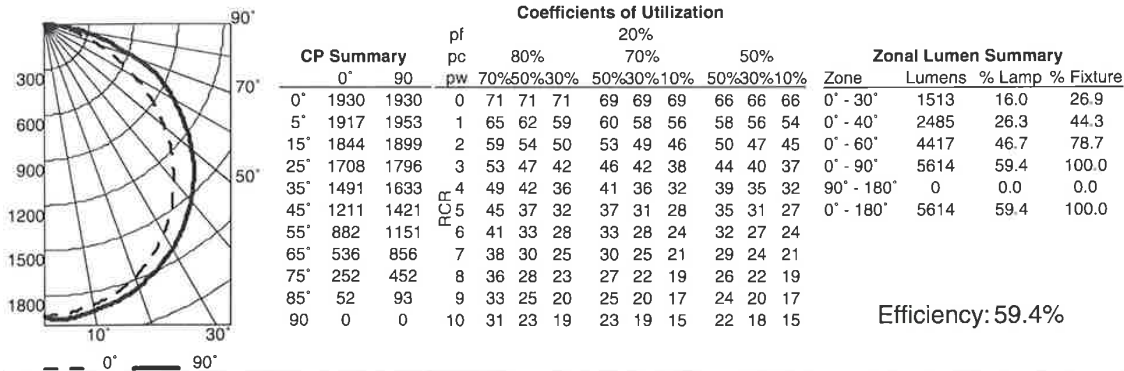
Ceiling	80%			70%			50%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%
0	97	97	97	95	95	95	91	91	91
1	90	86	83	87	84	81	81	78	76
2	82	76	71	80	75	70	72	68	65
3	76	68	62	74	67	61	64	59	55
4	70	61	54	68	60	53	58	52	48
5	64	55	48	63	54	47	52	46	42
6	60	50	43	58	49	42	47	42	37
7	56	45	38	54	44	38	43	37	33
8	52	41	35	51	41	34	40	34	30
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10	46	35	29	44	35	29	34	28	25

Zonal Lumens Summary

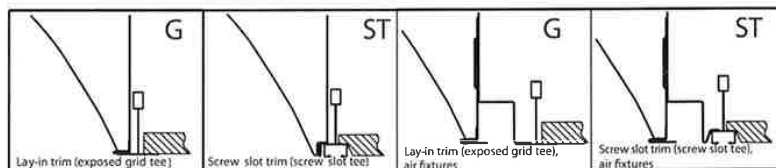
Zone	Lumens	%Lamp	%Fixture
0-30	3029	26.6	32.6
0-40	4999	43.8	53.8
0-60	8017	70.3	86.3
0-90	9292	81.5	100.0
90-180	0	0	0
0-180	9292	81.5	100.0

* With reverse apex lens



2AV 2x2 Direct/Indirect Lighting**2AV G 2 CF40 MDR**, (2) 40W CF lamps, 3150 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 10082**2AV G 2 CF40 SBL**, (2) 40W CF lamps, 3150 lumens per lamp, s/m 1.2 (along) 1.3 (across), test no. LTL 10020**2AV G 3 CF40 MDR**, (3) 40W CF lamps, 3150 lumens per lamp, s/m 1.2 (along) 1.2 (across), test no. LTL 8192**MOUNTING DATA**

Ceiling Type	Appropriate Trim Type
Exposed grid tee (1" and 9/16")	G
Concealed grid tee	G
Screw slot	ST
Plaster or plasterboard	G*



*DGA accessory available to provide ceiling trim flange and fixture support for plaster or plasterboard ceiling. Recommended rough-in dimensions for DGA installation is 24-3/4" x 24-3/4" (Tolerance is +1/8", -0").



Sheet #: 2AV 2X2 CF

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Lithonia Lighting
 Fluorescent
 One Lithonia Way, Conyers, GA 30012
 Phone: 800-858-7763 Fax: 770-929-8789
 www.lithonia.com



FEATURES & SPECIFICATIONS

INTENDED USE

Utility wall-, ceiling- or pendant-mounted fixtures for entrances, hallways, closets, tunnels or other utility applications. Incandescent, fluorescent, metal halide or high pressure sodium sources are available.

CONSTRUCTION

Rugged die-cast aluminum housing with heavy-duty glass globe. 3/4" threaded knockouts allow for side or top conduit entry. Gray finish.

Designed for easy installation and maintenance.

Prismatic globe for even distribution.

Junction box included.

LISTINGS

Listed and labeled to UL standards for wet locations.

Listed and labeled to CSA standards.

WARRANTY

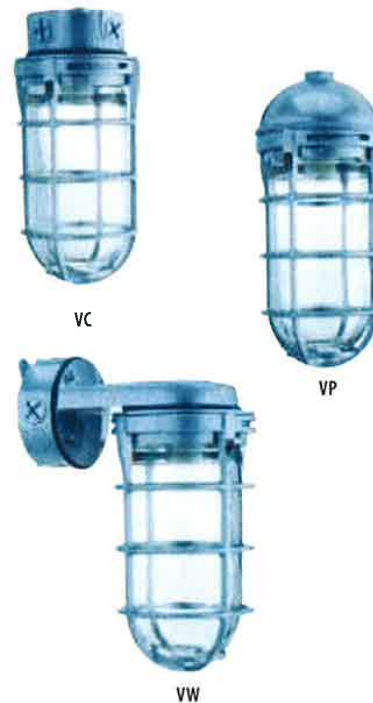
Fixtures are covered by Lithonia Lighting 24-month warranty against mechanical defects in manufacture.

Note: Specifications subject to change without notice.

Catalog Number	VW150I
Notes	KIPP COLUMBUS FOUNDATION CHARTER SCHOOL
Type	W31

Contractor Select

Utility Vapor Tights

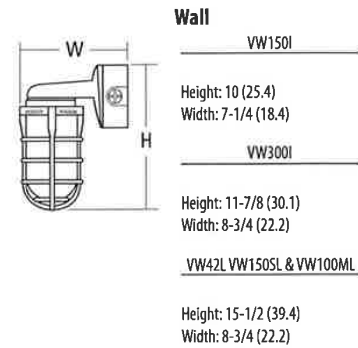
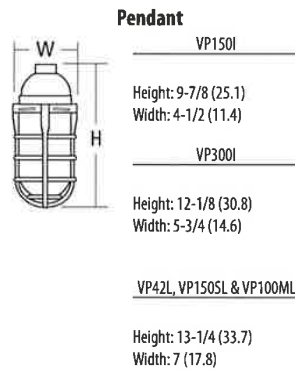
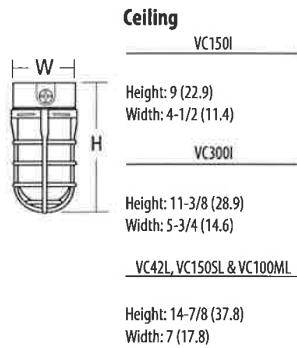


- Provide with LED screw-in Lamp

ORDERING INFORMATION

Catalog Number	UPC	Description	Lamp Wattage	Source	Lamp Voltage	Lamp Included	Pallet (lbs)	Standard Carton Qty	Qty
VC150I M12	745973817704	Ceiling mount	150	Incandescent	120	N	2	288	12
VP150I M12	745973817698	Pendant mount	150	Incandescent	120	N	2	288	12
VW150I M12	745973817681	Wall mount	150	Incandescent	120	N	2	192	12
VC300I M6	745973817674	Ceiling mount	300	Incandescent	120	N	2	144	6
VP300I M6	745973817667	Pendant mount	300	Incandescent	120	N	2	144	6
VW300I M6	745973817643	Wall mount	300	Incandescent	120	N	2	72	6
VC42L M6	745973817773	Ceiling mount	42	CFL	120	Y	6	48	6
VP42L M6	745973817759	Pendant mount	42	CFL	120	Y	6	72	6
VW42L M6	745973817711	Wall mount	42	CFL	120	Y	6	36	6
VC100ML M6	745973817841	Ceiling mount	100	MH	120	Y	9	48	6
VP100ML M6	745973817834	Pendant mount	100	MH	120	Y	8	72	6
VW100ML M6	745973817827	Wall mount	100	MH	120	Y	10	36	6
VC150SL M6	745973817810	Ceiling mount	150	HPS	120	Y	9	48	6
VP150SL M6	745973817803	Pendant mount	150	HPS	120	Y	8	72	6
VW150SL M6	745973817780	Wall mount	150	HPS	120	Y	10	36	6

Utility Vapor Tights



S32

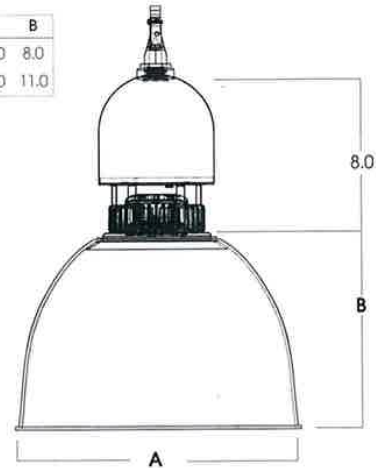
**LUMEN MAX
LED PERFORMANCE PENDANT
PRISMATIC REFRACTOR**
6070 LUMENS /55WATT



PRODUCT INFORMATION:

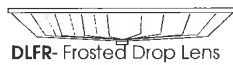
- The LUMEN MAX LED Series Performance Pendant offers a unique design for low, mid-bay and hi-bay applications.
- Designed to replace 175w and 250w MH fixtures.
- 50,000 hours rated system life means low maintenance.
- All LED modules are replaceable and up-gradeable.
- Prismatic refractor allows up-light. Opal and diffuse finishes are available.
- Many powdercoat colors available.
- Damp location rated.
- Manufactured and tested to UL Standards No. 1598/8750.

	A	B
PRDDH12LEDGV	12.0	8.0
PRDDH16LEDGV	16.0	11.0



**DIFFUSER
OPTION**

CNFR- Frosted Conical Lens



MODEL	LED	KELVIN	DRIVER	OPTIONS	MOUNTING	REFRACTOR	DIFFUSER	FINISH
PRDDH12LEDGV- 12" Acrylic Refractor	LED14W 1520lm LED26W 2790lm LED28W 3410lm LED37W 4550lm LED55W 6070lm	27K-2700° K 30K-3000° K 35K-3500° K 40K-4000° K 51K-5100° K	E1 -Electronic, 120V E2 -Electronic, 277V DS101 -Spectrum 0-10v Dimming 120v DS102 -Spectrum 0-10v Dimming 277v	HILO -Hi/Lo Options 2CIR -2 Circuit PHO -Photo Sensor URS -Photo/ Motion Sensor MOT -Motion Sensor	HM* -Hang-Straight Pendant (3/8 IPS) PM* -Rigid Pendant (3/8 IPS) CD* -Aircraft Cable, Straight Cord SC1 -Safety Cable HC -Hook & Cord NM2 -1/2" Hub NM3 -3/4" Hub	PR12 -12" Clear Prismatic PR16 -16" Clear Prismatic OP12 -12" Opal Etch OP16 -16" Opal Etch DF12 -12" Diffuse DF16 -16" Diffuse SC2 -Safety Cable, refractor to trim	MOUNTING DR12 -16" Spun Door DR16 -16" Spun Door BC12 -12" Band Clamp BC16 -16" Band Clamp LENS CNFR-Conical Lens Frosted DLFR-Drop Lens Frosted	MT -Mini Tek Silver MB -Matte Black MW -Matte White GW -Gloss White PT -Platinum
PRDDH16LEDGV 55W		35K	E2		HC	PR16	BC16 CNFR	PT

Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.



PROJECT: TYPE: S32
CAT. PRDDH16LEDGV-LED55W-40K-DS102-HM36-PR16-SC2-BC16-MT

994 Jefferson Street, Fall River, MA 02721 508.678.2303 FAX 508.678.2260



REV3

INFINIUM™ CYLINDER SERIES

12" LED CYLINDER / EXTERIOR

GV SERIES / 37 WATT MAX

SPC12
SPECTRUM
CYLINDERS

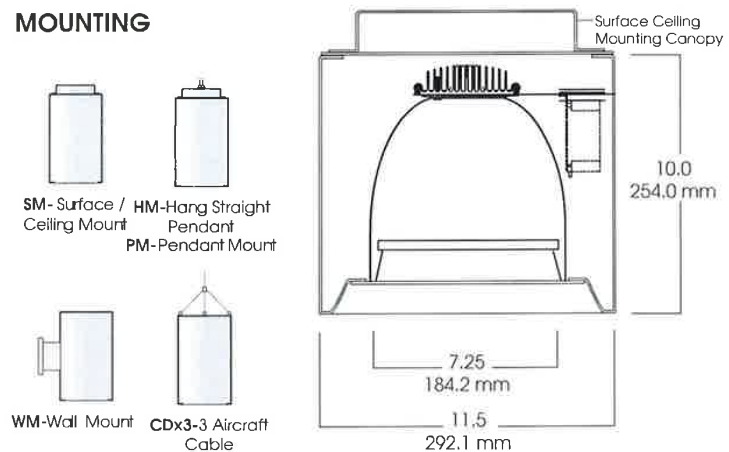


Fixture Weight: 8.5 lbs

PRODUCT INFORMATION:

- 12" round cylinder series with high lumen LED emitter.
- 50,000 hours rated system life means low maintenance.
- All LED modules are replaceable and up-gradeable.
- 24 w replaces 2x32w CFL/37w replaces 2x40w CFL/ 55w replaces 2x57w CFL.
- Spun (.063) aluminum cylinder.
- Variety of powder coat options.
- Suitable for damp locations. Wet location available.
- Manufactured and tested to UL standards No. 1598/ 8750.

MOUNTING



SERIES	LED	KELVIN	DRIVER	REFLECTOR	OPTIONS	MOUNTING	FINISH
SPC1210LEDGV Spectrum High Output LED Cylinder	26w *2790lm 37w *4550lm	27K -2700° K 30K -3000° K 35K -3500° K 40K -4000° K	E1 -Electronic 120V E2 -Electronic 277V DS101 -Spectrum 0-10v Dimming 120v DS102 -Spectrum 0-10v Dimming 277v	8665GV-MW -Matte White SG -Soft Glow Alzak CC -Custom Color LENS SO -Micro Prism Solite™ lens GL -Clear Glass Lens FG -Frosted Glass Lens GS -Gasket WL -Wet Location	FS -Fuse holder and fuse	HM* -Hang-Straight Mounting HMAT** -Field Cutable Length Hang Straight Pendant PM* -Pendant Mount SM -Surface Mount WM -Wall Mount CDx3 -3 Aircraft Cable & Cord * Specify Length in inches **12" or 36" lengths only See Cylinder Mounting Page for Additional Information	GW -Gloss White GB -Gloss Black MW -Matte White MB -Matte Black BZ -Bronze PT -Platinum Silver MT -Mini Tek Silver TW -Textured White CC -Custom Color

EXAMPLE: SPC1210LEDGV26W27KE1/8665GVMWFSPMCC

Dimensions shown are nominal. Spectrum Lighting is continually improving products and reserves the right to make changes that will not alter performance or appearance with or without written notice.



PROJECT:	TYPE:
CAT. NO.:	



WWW.SPECLIGHT.COM • 994 JEFFERSON STREET, FALL RIVER, MA 02721 • 508.678.2303 FAX 508.678.2260

REV 2



CONTOUR

CSXW LED LED Wall Luminaire



Catalog Number CSXW LED 30C 700 50K TFTM

Notes MVOLT DWHXD

Type W25

Specifications

Height: 7-1/8"
(29.2 cm)
Width: 16-3/8"
(41.6 cm)
Depth: 9-5/16"
(23.6 cm)
Weight (max): 30 lbs
(13.6 kg)



Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

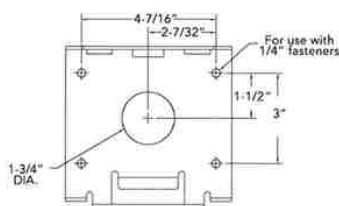
The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: CSXW LED 30C 700 40K T3M MVOLT DDBXD

CSXW LED		30C	700	50K	TFTM	MVOLT	DWHXD	
Series	LEDs	Drive current	Color temperature ¹	Distribution	Voltage	Mounting	Options	Finish <i>(inquired)</i>
CSXW LED	30C 30 LEDs	700 700 mA 1000 1000 mA	40K 4000K 50K 5000K	T2M Type II, medium T3M Type III, medium T4M Type IV, medium TFTM Type forward throw, medium	MVOLT ² 120 ² 208 ² 240 ² 277 ² 347 ³ 480 ³	Shipped included (blank) Surface mount Shipped separately BBW Surface-mounted back box (for conduit entry) ⁴	Shipped installed PE Photoelectric cell, button type ^{5,6} DMG 0-10V dimming driver (no controls) SF Single fuse (120, 277, 347V) ⁷ DF Double fuse (208, 240, 480V) ⁷ Shipped separately ⁴ VG Vandal guard WG Wire guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Mounting Detail



Accessories

Ordered and shipped separately.

CSXWBBW DDBXD U	Back box accessory (specify finish)
CSXWWG U	Wire guard accessory
CSXWVG U	Vandal guard accessory

NOTES

- Configured with 4000K (40K) provides the shortest lead times. Consult factory for 5000K (50K) lead times.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options) or photocontrol (PE option).
- Available with 700 mA options only (30C 700).
- Also available as a separate accessory; see Accessories information at left.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option.
- Must be ordered with fixture; cannot be field installed.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 70 CRI)					50K (5000K, 67 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	700 mA	30C 700 --K	69W	T2M	6,695	2	0	2	97	7,183	2	0	2	104
				T3M	7,068	2	0	2	102	7,582	2	0	2	110
				T4M	7,017	2	0	2	102	7,528	2	0	2	109
				TFTM	7,158	2	0	2	104	7,679	2	0	2	111
	1000 mA	30C 1000 --K	104W	T2M	8,868	2	0	2	85	9,560	2	0	2	92
				T3M	9,361	2	0	2	90	10,091	2	0	2	97
				T4M	9,293	2	0	2	89	10,018	2	0	2	96
				TFTM	9,481	2	0	2	91	10,220	2	0	2	98

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.02
10°C	1.01
20°C	1.00
25°C	1.00
30°C	1.00
40°C	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the CSXW LED platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.91	0.85

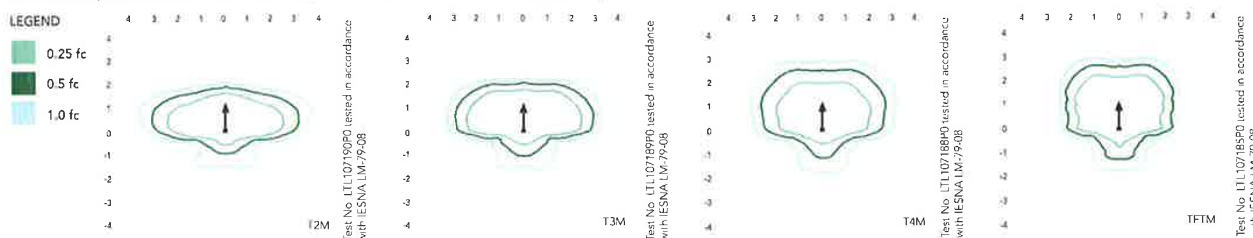
Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30C	700	70W	0.695	0.412	0.367	0.331	0.247	0.186
	1000	104W	1.034	0.599	0.528	0.472	0.382	0.302

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit [Lithonia Lighting's CSXW homepage](#).

Isocandle plots for the CSXW LED 30C 1000 40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE

The Contour Series Wall LED luminaire is ideal for commercial building mounted applications from over-the-door to 20 ft mounting heights.

CONSTRUCTION

Rugged, die-cast, single-piece aluminum housing. Unique flow-through design for optimized thermal management. Modularity allows for ease of maintenance and potential for future system upgrades. Metallic screen covers the top of the housing, preventing debris build-up while allowing for air flow. Housing is completely sealed against moisture and environmental contaminants.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

Precision-molded acrylic lenses provide optimal luminaire spacing and improved uniformity. Lenses are indexed to the circuit board to ensure consistent optical alignment and delivering repeatable photometric performance. Light engines are available in standard 4000K (70 CRI) or optional 5000K (67 CRI) configurations. The CSXW has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of 30 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L70). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Universal mounting mechanism with integral mounting support allows fixture to hinge down. Bubble level provides correct alignment with every installation.

LISTINGS

CSA Certified to U.S. and Canadian standards. Light engine is IP66 rated. Luminaire is IP65 rated.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.



Submitted by Spectrum Lighting, Inc. 	Job Name: KIPP CHARTER SCHOOL - Copied Phase Architect: Moody Nolan (Columbus)	Catalog Number: ODN-3-L-T3-84LC-5-55K-UNV-AML-SL-C1-H3 Notes:	Type: P3 SPEC13-2877
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Oden LED	Project Name:	Catalog Number:	Type
-----------------	---------------	-----------------	------

Dimensional Drawings

Fixture	A	B	Max. LEDs	Lbs
ODN-2-L	25"	22½"	84	53
ODN-3-L	30"	24"	84	74

With six interchangeable caps and spun shade styles, the **Oden - LED** offers architects, designers and engineers endless possibilities for a custom fixture to fit their unique application.

The **Oden - LEDs'** high-quality, durable construction makes it an ideal fixture for any application.

CAP 1 (C1)	CAP 2 (C2)	CAP 3 (C3)	HOUSING 1 (H1)	HOUSING 2 (H2)	HOUSING 3 (H3)
					
CAP 4 (C4)	CAP 5 (C5)	CAP 6 (C6)	HOUSING 4 (H4)	HOUSING 5 (H5)	HOUSING 6 (H6)
					

Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Cap/Shade	Options
ODN-2-L	Type I (T1)	# of LEDs 42 (42LC)	350 (3)	4000K *Neutral white (4K)	120-277 *Universal voltage (UNV)	Yoke Mount *Slips over 3/8" OD tenon x 4" tall with special threaded mounting plate. (YM)	Bronze (BZ)	C1 (C1)	Button Type Photocell *Specify voltage (PC120) (PC208) (PC240) (PC277)
	Type II (T2)	84 (84LC)	530 (5)	5500K *Cool white (55K)	480 (5)	Arm Mount Large (AML)	Black (BK)	C2 (C2)	Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double in-line fuse (DF208) (DF240)
ODN-3-L	Type III (T3)	42 (42LC)			347 (8)	Wall Mount (WM)	White (WH)	C3 (C3)	Dual Circuit (DC)
	Type IV (T4)	84 (84LC)					Sandstone (SN)	C4 (C4)	Cutoff Louver System (CLS)
	Type V (T5)						Weathered Brown (WB)	C5 (C5)	0-10 V Dimming Driver *No controls (DIM)
	Type VW (T5W)						Forest Green (FG)	C6 (C6)	10KV Surge Protector (10KV)
							Custom Color (CC)	H1 (H1) H2 (H2) H3 (H3) H4 (H4) H5 (H5) H6 (H6)	

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixtures, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.

VISIONAIRE LIGHTING
Performance In A Whole New Light®

Submitted by Spectrum Lighting, Inc. 	Job Name: KIPP CHARTER SCHOOL - Copied Phase Architect: Moody Nolan (Columbus)	Catalog Number: ODN-3-L-T3-84LC-5-55K-UNV-AML-SL-C1-H3 Notes:	Type: P3 SPEC13-2877
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Oden LED

Housing

- High-quality, one-piece spun aluminum shade and durable cast aluminum top cap; available in two housing sizes.
- All external hardware is stainless steel.
- One-piece, cast-aluminum door assembly with tool-less access.

Thermal Management

- The **Oden - LED** provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the **Oden - LED** to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System

- The highest lumen output **Evo/C LEDr** are utilized. Estimated life of the LEDs is 1000,000+ hours. Available with 6 IES distribution patterns. Available with up to 84 LEDs. The optical system qualifies as IES full cutoff; and is Dark-Sky certified to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
- CRI values are 70 for 4000K and 75 for 5500K.

Quali-Guard® Finish

- Fixture components are chemically pretreated through a multiple-stage washer and finished with an electrostatically-applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness. Finish is oven-baked at 400 °F for maximum adherence and finish hardness.
- Available in standard and custom colors.

Mounting

- The **Oden - LED** mounts to a wide selection of decorative and custom mounting arms for both pole and wall mount applications (see Mounting Arms section of catalog).

Electrical Assembly

- The **Oden - LED** is supplied with a high-performance LED driver, located in its cap, that accepts 120 V thru 480 V, 50 Hz to 60 Hz input. Power factor is 90%. Rated for -40 °F operation.
- High-low system offers motion control or factory preset switching options. Consult factory for specific details.
- 3 kV surge protector supplied as standard.

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Solar Panel Option

- The **Oden** is compatible for use with Visionaire Lighting's Solar Panel Pole™.

Options

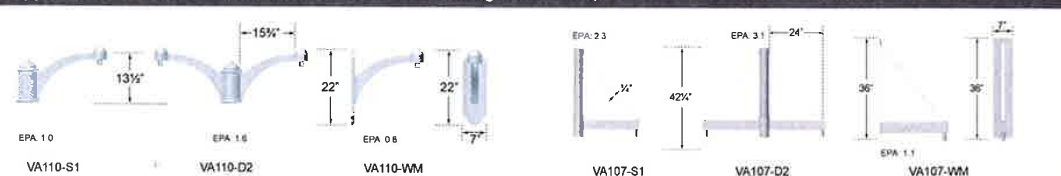
- Button type photocell
- Cutoff louver system
- Fusing
- High-low system
- Dual circuit
- 0-10 V dimming driver
- 10KV Surge Protector

Please consult factory for detailed custom options.

Listings

- **Oden** is  listed, suitable for wet locations.
- Dark-Sky Friendly® certified by the International Dark-Sky Association.
- RoHS compliant.
- IP65.
- LM79.
- LM80.
- Powder Coated Tough™ 

Typical Decorative Arms - (Additional Arms in Mounting Arm Section)



EPA Data

Fixture	Fixture Only	Fixture with VA110-S1	2 Fixtures with VA110-D2	Fixture with VA107-S1	2 Fixtures with VA107-D2
ODN-2-L	1.2	2.2	4.1	3.5	5.6
ODN-3-L	2.6	3.6	6.6	4.9	8.3

LED Data Chart for 5500K*

# Bars	# LEDs	Output mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5-W	System Watts	L70 Hours
1	42	350	3,840	3,941	3,754	3,811	3,988	4,140	46	150,000
		530	4,647	5,132	4,925	4,855	5,410	5,644	68	100,000
2	84	350	7,507	7,883	6,663	7,320	7,976	8,280	92	150,000
		530	9,155	10,265	9,988	9,710	10,820	11,288	136	100,000

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.90

19845 Rancho Way Rancho Dominguez, CA 90220
Tel: (310) 512-6480 Fax: (310) 512-6486
www.visionairelighting.com

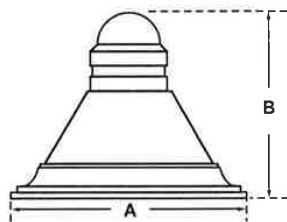
Submitted by Spectrum Lighting, Inc.	Job Name: KIPP CHARTER SCHOOL - Copied Phase Architect: Moody Nolan (Columbus)	Catalog Number: ODN-2-L-T3-42LC-5-55K-UNV-AML- SL-C1-H3 Notes:	Type: P4 SPEC13-2877
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Oden LED





Dimensional Drawings



Fixture	A	B	Max. LEDs	Lbs
ODN-2-L	25"	22½"	84	53
ODN-3-L	30"	24"	84	74

With six interchangeable caps and spun shade styles, the **Oden - LED** offers architects, designers and engineers endless possibilities for a custom fixture to fit their unique application.

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CAP 1 (C1)

CAP 2 (C2)

CAP 3 (C3)

HOUSING 1 (H1)

HOUSING 2 (H2)

HOUSING 3 (H3)

CAP 4 (C4)

CAP 5 (C5)

CAP 6 (C6)

HOUSING 4 (H4)

HOUSING 5 (H5)

HOUSING 6 (H6)

Model	Optics	Source	Milliamps	Kelvin	Voltage	Mounting	Finish	Cap/Shade	Options
ODN-2-L	Type I (T1)	42 (42LC)	350 (3)	4000K (4K)	120-277 (UNV)	Yoke Mount *Slips over 3" OD tenon x 4" tall with special threaded mounting plate (YM)	Bronze (BZ)	C1 (C1)	Button Type Photocell *Specify voltage (PC120) (PC208) (PC240) (PC277)
	Type II (T2)	84 (84LC)	530 (5)	5500K (55K)	480 (5)	Arm Mount Large (AML)	Black (BK)	C2 (C2)	Fusing *Specify voltage Single in-line fuse (SF120) (SF277) Double in-line fuse (DF208) (DF240)
ODN-3-L	Type III (T3)	42 (42LC)			347 (8)	Wall Mount (WM)	White (WH)	C3 (C3)	Dual Circuit (DC)
		84 (84LC)					Sandstone (SN)	C4 (C4)	Cutoff Louver System (CLS)
							Weathered Brown (WB)	C5 (C5)	0-10 V Dimming Driver *No controls (DIM)
							Silver Metallic (SL)	C6 (C6)	10KV Surge Protector (10KV)
	Type IV (T4)						Verdigris (VD)	H1 (H1)	
	Type V (T5)						Forest Green (FG)	H2 (H2)	
	Type VW (T5W)						Custom Color (CC)	H3 (H3)	
								H4 (H4)	
								H5 (H5)	
								H6 (H6)	

LED - Light Emitting Diode

*Input selection from this column in the form of: C1-H1

For more detailed information on mounting, wiring or installation instructions, please consult factory. If poles are not ordered with fixture, please specify mounting requirements. This document contains proprietary information of Visionaire Lighting, LLC. Any use of this information requires the written approval of Visionaire Lighting, LLC. In keeping with our TQM policy of continuous improvement, Visionaire reserves the right to change any specifications contained herein without prior notice.



VISIONAIRE LIGHTING
Performance In A Whole New Light®

Submitted by Spectrum Lighting, Inc. 	Job Name: KIPP CHARTER SCHOOL - Copied Phase Architect: Moody Nolan (Columbus)	Catalog Number: ODN-2-L-T3-42LC-5-55K-UNV-AML-SL-C1-H3 Notes:	Type: P4 SPEC13-2877
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Oden LED

Housing

- High-quality, one-piece spun aluminum shade and durable cast aluminum top cap; available in two housing sizes.
- All external hardware is stainless steel.
- One-piece, cast-aluminum door assembly with tool-less access.

Thermal Management

- The **Oden - LED** provides excellent overall thermal management by maximizing the efficiency of the heat sink in the fixture. This enables the **Oden - LED** to withstand higher ambient temperatures and higher drive currents without degrading LED life.

Optical System

- The highest lumen output **Evo/C LED**s are utilized. Estimated life of the LEDs is 1000,000+ hours. Available with 6 IES distribution patterns. Available with up to 84 LEDs. The optical system qualifies as IES full cutoff, and is Dark-Sky certified to restrict light trespass, glare and light pollution for neighborhood-friendly lighting.
- CRI values are 70 for 4000K and 75 for 5500K.

Quali-Guard® Finish

- Fixture components are chemically pretreated through a multiple-stage washer and finished with an electrostatically-applied, thermoset polyester powder coat textured paint with a 3 to 5 mils thickness. Finish is oven-baked at 400 °F for maximum adherence and finish hardness.
- Available in standard and custom colors.

Mounting

- The **Oden - LED** mounts to a wide selection of decorative and custom mounting arms for both pole and wall mount applications (see Mounting Arms section of catalog).

Electrical Assembly

- The **Oden - LED** is supplied with a high-performance LED driver, located in its cap, that accepts 120 V thru 480 V, 50 Hz to 60 Hz input. Power factor is 90%. Rated for -40 °F operation.
- High-low system offers motion control or factory preset switching options. Consult factory for specific details.
- 3 kV surge protector supplied as standard.

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Solar Panel Option

- The **Oden** is compatible for use with Visionaire Lighting's Solar Panel Pole™.

Options

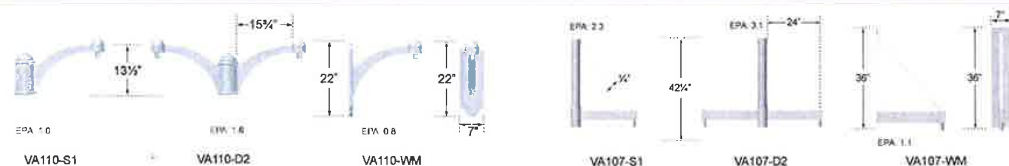
- Button type photocell
- Fusing
- Dual circuit
- 10KV Surge Protector
- Cutoff louver system
- High-low system
- 0-10 V dimming driver

Please consult factory for detailed custom options.

Listings

- **Oden** is  listed, suitable for wet locations.
- Dark-Sky Friendly® certified by the International Dark-Sky Association.
- RoHS compliant.
- IP65.
- LM79.
- LM80.
- Powder Coated Tough™ 

Typical Decorative Arms - (Additional Arms in Mounting Arm Section)



EPA Data

Fixture	Fixture Only	Fixture with VA110-S1	2 Fixtures with VA110-D2	Fixture with VA107-S1	2 Fixtures with VA107-D2
ODN-2-L	1.2	2.2	4.1	3.5	5.6
ODN-3-L	2.6	3.6	6.6	4.9	8.3

LED Data Chart for 5500K*

# Bars	# LEDs	Output mA	Type 1	Type 2	Type 3	Type 4	Type 5	Type 5-W	System Watts	L70 Hours
1	42	350	3,840	3,941	3,754	3,811	3,988	4,140	46	150,000
		530	4,647	5,132	4,925	4,855	5,410	5,644	68	100,000
2	84	350	7,507	7,883	6,663	7,320	7,976	8,280	92	150,000
		530	9,155	10,265	9,988	9,710	10,820	11,288	136	100,000

Visit www.VisionaireLighting.com for up-to-the-minute chart information, including types not listed here.

* For 4000K multiply values by 0.90

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in

Case No(s). 16-0890-EL-EEC

Summary: Application Kipp Journey Academy and Ohio Power Company for approval of a special arrangement agreement with a mercantile customer (Part 2 of 2)
electronically filed by Mrs. Erin C Miller on behalf of Ohio Power Company