

Orion Energy Systems

Cold Storage LED Fixture Series

Features

Orion's patented lighting systems incorporate superior optical and thermal efficiency to deliver the most output with the least input, delivering 96 lumens per watt.

APPLICATIONS LED lighting is an ideal replacement for HID, T5, or T8 fixtures. It offers a wide thermal operating range from -22°F to 131°F (-30°C to 50°C), providing complete shutdown and instant startup even in low temperatures. Available with general, aisle, or combination lens applications. 50,000-hour expected lifetime in 113°F (40°C) ambient temperature.

CONSTRUCTION

Durable, lightweight aluminum frame. Platform power connection. Plug-and-play compatibility with Orion wireless energy management controls.

ELECTRICAL

NVSW219B Nichia LED chips. Six LED chips per array. Compatible step-dimming controllers. 123 watt input. May be used in 480 volt systems with an external transformer.

CERTIFICATION

UL Damp Listed. Clean room assembly to ensure integrity of components. DesignLights Consortium qualified.

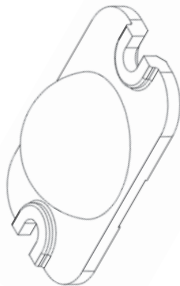
WARRANTY

Five-year limited warranty.



Combination fixture
LEDE86G3IA4OD shown

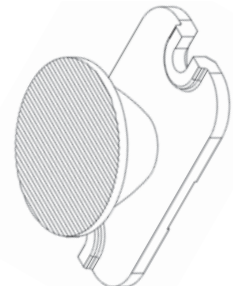
DESIGNLIGHTS 
CONSORTIUM



G3 lens



A3 lens



A4 lens



800-660-9340

www.oesx.com

NYSE Amex: OESX

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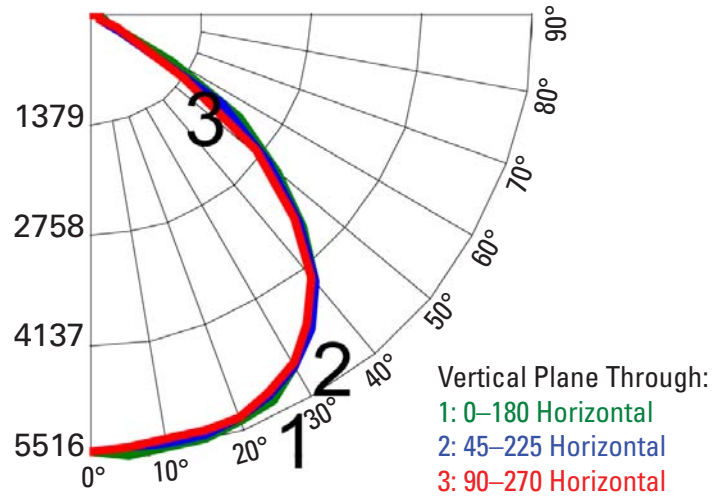


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Photometrics

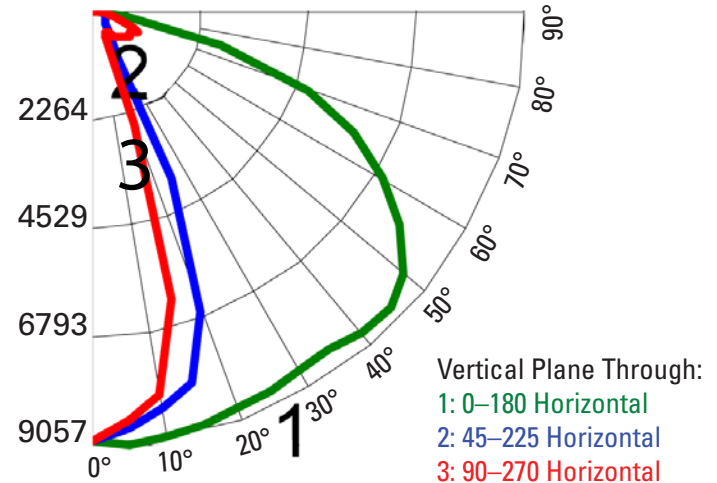
LEDE86G3 Lumen Summary

LSC Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	2236.5	N.A.	18.3
FM (30-60)	3701.2	N.A.	30.3
FH (60-80)	152.5	N.A.	1.2
FVH (80-90)	13.5	N.A.	0.1
BL (0-30)	2236.5	N.A.	18.3
BM (30-60)	3701.2	N.A.	30.3
BH (60-80)	152.5	N.A.	1.2
BVH (80-90)	13.5	N.A.	0.1
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	12207.4	N.A.	100.0



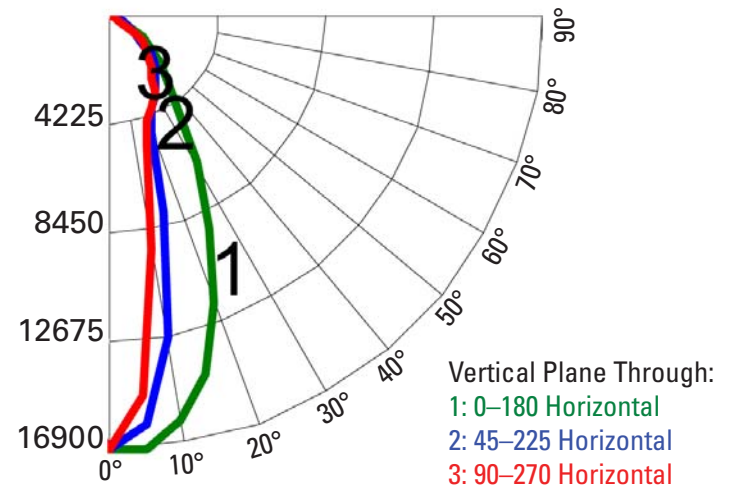
LEDE86A3 Lumen Summary

LSC Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	2508.6	N.A.	21.0
FM (30-60)	2468.6	N.A.	20.6
FH (60-80)	964.3	N.A.	8.1
FVH (80-90)	43.8	N.A.	0.4
BL (0-30)	2508.6	N.A.	21.0
BM (30-60)	2468.6	N.A.	20.6
BH (60-80)	964.3	N.A.	8.1
BVH (80-90)	43.8	N.A.	0.4
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	11970.6	N.A.	100.0



LEDE86G3A4 Lumen Summary

LSC Zone	Lumens	% Lamp	% Luminaire
FL (0-30)	3217.8	N.A.	27.3
FM (30-60)	2452.2	N.A.	20.8
FH (60-80)	204.6	N.A.	1.7
FVH (80-90)	22.4	N.A.	0.2
BL (0-30)	3217.8	N.A.	27.3
BM (30-60)	2452.2	N.A.	20.8
BH (60-80)	204.6	N.A.	1.7
BVH (80-90)	22.4	N.A.	0.2
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	11794.0	N.A.	100.0



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SPECIFICATIONS

Series	Arrays	LED Chips Per Array	Input Voltage ¹	Input Power	Input Current	Power Factor	Light Output	CCT	CRI	Length	Width	Depth	Weight ¹ (lbs)
LEDE	6	6	120–277v	83W	0.69–0.33A	≥0.90	7227–7918 lm	≥0.90	≥72	35.60"	13"	3.0"	8.14
LEDE	8	6	120–277v	123W	1.04–0.48A	≥0.90	10640–11770 lm	≥0.90	≥72	35.60"	13"	3.0"	8.4
LEDE ²	8	6	120–277v	173W	1.44–0.66	≥0.90	13264–14991 lm	≥0.90	≥72	35.60"	13"	3.0"	7.32

¹Also available for 347v or 480v systems with addition of optional transformer (sold separately; increases overall weight).

²High output option.

ORDERING INFORMATION

LEDE	XX	XX	XX	XX	XX
Series	Number of Arrays	LED Chips Per Array	Application	Dimming	Output

Series	
LEDE	LED Enclosed Fixture

Number of Arrays	
6	6 Arrays
8	8 Arrays

LED Chips Per Array	
6	6 LED Chips Per Array

Application	
A3	Aisle, 30-ft Ceiling Height with aisle application lens
A4	Aisle, 40-ft Ceiling Height with aisle application lens
G3	General Area, 30-ft Ceiling Height with general application lens
G3/A40	Inside Rows: G3 lens Outside Rows: A4 lens

Dimming	
ND	Nondimming
D	Full-Range Dimming

Output ²	
(blank)	Standard
100	High Output

Note: 120–277 voltage standard. 347 and 480 volt applications require external transformer TRBX (order separately).

