

## SPECIFICATIONS

OUTDOOR

### HOUSING

- Heavy duty die cast aluminum housing
- Bronze powdercoat finish
- Corrosion resistant housing and hardware
- OxyShield 9-stage anti-oxidation process
- Silicone rubber gasket

### ELECTRICAL

- Quad Tap (QT) - 120/208/240/277V
- 347-480V also available
- 0-10vdc dimmable driver standard
- Operating Temperature: -4°F (-20°C) - 113°F (45°C)

### OPTICAL SYSTEM

- Polycarbonate Lens
- High quality heat sinks for temperature control
- IC current controlled LED circuits
- 372,000 hours @ L<sub>70</sub>
- CRI: 80
- Power Factor > 0.90
- THD <20%
- Available in 4000K and 5000K
- Types II, III, IV, and V, Very Narrow (3Hx3V), Narrow (4Hx4V), Wide (5Hx5V), Very Wide (7Hx7V)

### MOUNTING

- Yoke mount, trunnion bracket, arm mount, and slipfitter available

### CODE COMPLIANCE

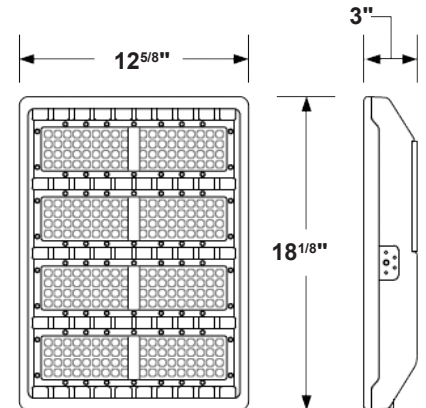
- cULus Listed for Wet Locations
- Meets UL Requirements
- IP66 Rated
- Meets DLC Premium Requirements

### WARRANTY

- 5 Year
- 10 Year Available



## VLAL29-B-205L-304L Multi-Purpose Area Light



Area	EPA
Front	0.32 s.f.
Side	0.45 s.f.
Face	1.91 s.f.

Model	Weight
205L	13.9lbs
239L	14.3lbs
279L	16.1lbs
304L	16.1lbs

Ordering Information 2nd Page

CATALOG #	Lumens	Wattage	Color	Distribution
<b>IES Roadway Distributions</b>				
VLAL29-B-205L-QT-40K-T2	26,720	205W	4000K	Type II
VLAL29-B-205L-QT-50K-T2	27,330	205W	5000K	Type II
VLAL29-B-205L-QT-40K-T3	26,924	205W	4000K	Type III
VLAL29-B-205L-QT-50K-T3	27,429	204W	5000K	Type III
VLAL29-B-205L-QT-40K-T4	26,329	205W	4000K	Type IV
VLAL29-B-205L-QT-50K-T4	26,973	205W	5000K	Type IV
VLAL29-B-205L-QT-40K-T5	26,442	205W	4000K	Type V
VLAL29-B-205L-QT-50K-T5	27,071	205W	5000K	Type V
VLAL29-B-239L-QT-40K-T2	30,714	243W	4000K	Type II
VLAL29-B-239L-QT-50K-T2	31,093	243W	5000K	Type II
VLAL29-B-239L-QT-40K-T3	29,589	240W	4000K	Type III
VLAL29-B-239L-QT-50K-T3	29,926	240W	5000K	Type III
VLAL29-B-239L-QT-40K-T4	30,439	242W	4000K	Type IV
VLAL29-B-239L-QT-50K-T4	30,751	242W	5000K	Type IV
VLAL29-B-239L-QT-40K-T5	27,944	231W	4000K	Type V
VLAL29-B-239L-QT-50K-T5	28,410	231W	5000K	Type V
VLAL29-B-279L-QT-40K-T2	35,139	281W	4000K	Type II
VLAL29-B-279L-QT-50K-T2	35,678	281W	5000K	Type II
VLAL29-B-279L-QT-40K-T3	34,424	279W	4000K	Type III
VLAL29-B-279L-QT-50K-T3	34,907	279W	5000K	Type III
VLAL29-B-279L-QT-40K-T4	35,243	280W	4000K	Type IV
VLAL29-B-279L-QT-50K-T4	35,516	281W	5000K	Type IV
VLAL29-B-279L-QT-40K-T5	32,546	278W	4000K	Type V
VLAL29-B-279L-QT-50K-T5	32,956	278W	5000K	Type V
VLAL29-B-304L-QT-40K-T2	44,469	304W	4000K	Type II
VLAL29-B-304L-QT-50K-T2	45,406	304W	5000K	Type II
VLAL29-B-304L-QT-40K-T3	44,615	305W	4000K	Type III
VLAL29-B-304L-QT-50K-T3	45,555	305W	5000K	Type III
VLAL29-B-304L-QT-40K-T4	43,014	304W	4000K	Type IV
VLAL29-B-304L-QT-50K-T4	43,926	304W	5000K	Type IV
VLAL29-B-304L-QT-40K-T5	43,141	305W	4000K	Type V
VLAL29-B-304L-QT-50K-T5	44,098	305W	5000K	Type V
<b>NEMA Floodlight Distributions</b>				
VLAL29-B-205L-QT-40K-3X3	29,527	205W	4000K	Very Narrow
VLAL29-B-205L-QT-50K-3X3	30,168	205W	5000K	Very Narrow
VLAL29-B-205L-QT-40K-4X4	29,096	205W	4000K	Narrow
VLAL29-B-205L-QT-50K-4X4	29,666	205W	5000K	Narrow
VLAL29-B-205L-QT-40K-5X5	27,271	205W	4000K	Wide
VLAL29-B-205L-QT-50K-5X5	27,894	205W	5000K	Wide
VLAL29-B-205L-QT-40K-7X7	26,442	205W	4000K	Very Wide
VLAL29-B-205L-QT-50K-7X7	27,071	205W	5000K	Very Wide
VLAL29-B-239L-QT-40K-3X3	31,106	243W	4000K	Very Narrow
VLAL29-B-239L-QT-50K-3X3	31,357	243W	5000K	Very Narrow
VLAL29-B-239L-QT-40K-4X4	31,071	242W	4000K	Narrow
VLAL29-B-239L-QT-50K-4X4	31,344	242W	5000K	Narrow
VLAL29-B-239L-QT-40K-5X5	30,937	242W	4000K	Wide
VLAL29-B-239L-QT-50K-5X5	31,243	242W	5000K	Wide
VLAL29-B-239L-QT-40K-7X7	27,944	231W	4000K	Very Wide
VLAL29-B-239L-QT-50K-7X7	28,410	231W	5000K	Very Wide
VLAL29-B-279L-QT-40K-3X3	36,166	279W	4000K	Very Narrow
VLAL29-B-279L-QT-50K-3X3	36,542	280W	5000K	Very Narrow
VLAL29-B-279L-QT-40K-4X4	36,016	280W	4000K	Narrow
VLAL29-B-279L-QT-50K-4X4	36,347	280W	5000K	Narrow
VLAL29-B-279L-QT-40K-5X5	35,849	279W	4000K	Wide
VLAL29-B-279L-QT-50K-5X5	36,224	280W	5000K	Wide
VLAL29-B-279L-QT-40K-7X7	32,546	278W	4000K	Very Wide
VLAL29-B-279L-QT-50K-7X7	32,956	278W	5000K	Very Wide
VLAL29-B-304L-QT-40K-3X3	45,471	303W	4000K	Very Narrow
VLAL29-B-304L-QT-50K-3X3	46,408	303W	5000K	Very Narrow
VLAL29-B-304L-QT-40K-4X4	45,287	302W	4000K	Narrow
VLAL29-B-304L-QT-50K-4X4	46,138	302W	5000K	Narrow
VLAL29-B-304L-QT-40K-5X5	48,245	303W	4000K	Wide
VLAL29-B-304L-QT-50K-5X5	49,165	303W	5000K	Wide
VLAL29-B-304L-QT-40K-7X7	43,141	305W	4000K	Very Wide
VLAL29-B-304L-QT-50K-7X7	44,298	305W	5000K	Very Wide

OPTIONS (factory installed)	
480V	- 347V - 480V
PCRN	- NEMA Photocell Receptacle <i>ships with shorting cap</i>
10YR	- Ten year Warranty

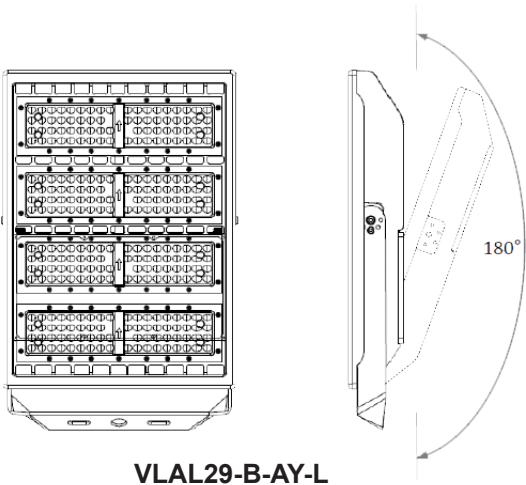
ACCESSORIES (order separately, ships on side)	
VLAL29-B-WG-L	- Wire Guard
VLAL29-B-HS-L	- Half Glare Shield
VLAL29-B-GS-L	- Full Glare Shield
VLAL29-B-AY-L	- Yoke Mount
VLAL29-B-SB	- Trunnion Mount
VLAL29-B-ARM	- Arm Mount
VLAL29-B-SF	- Slipfitter
VLAL29-B-WMB	- Wall Mounting Bracket
VLAL29-B-WMB90	- 90° Wall Mounting Bracket
VLAL29-B-BH2-180*	- 180° Double Bullhorn
VLAL29-B-BH3-180*	- 180° Triple Bullhorn
VLAL29-B-BH4-180*	- 180° Quadruple Bullhorn
PC-B-NEMA	- NEMA Photocell
<i>*Requires slipfitter</i>	

# VersaLED Lighting

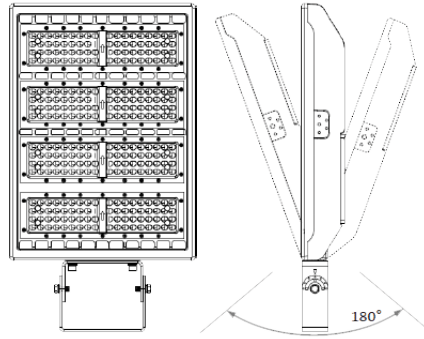
Versatile Lighting Solutions

ACCESSORIES

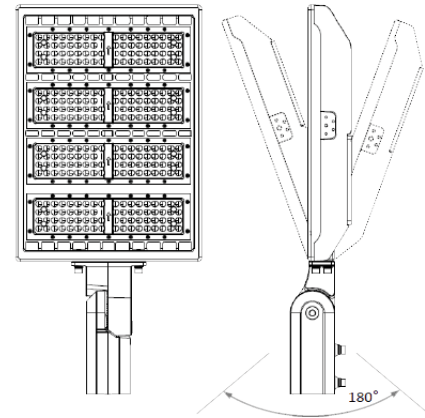
OUTDOOR



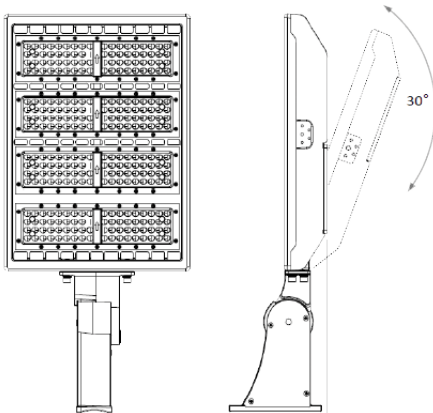
VLAL29-B-AY-L



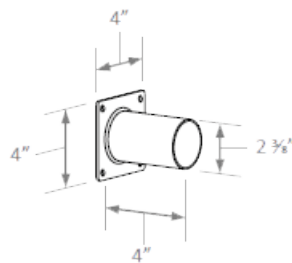
VLAL29-B-SB



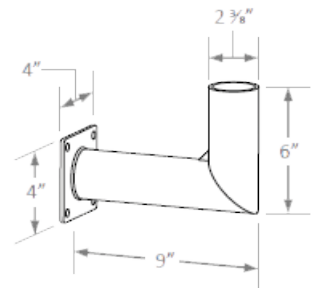
VLAL29-B-SF



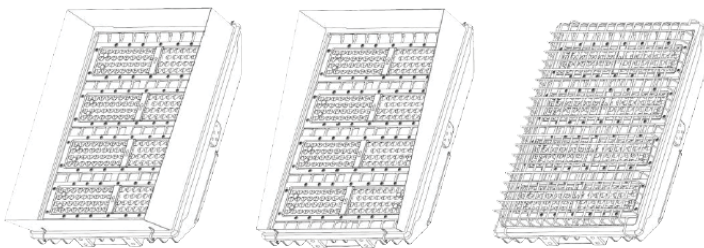
VLAL29-B-ARM



VLAL29-B-WMB



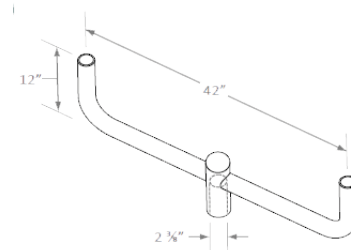
VLAL29-B-WMB90



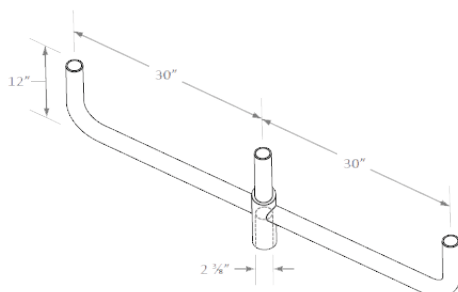
VLAL29-B-GS

VLAL29-B-HS

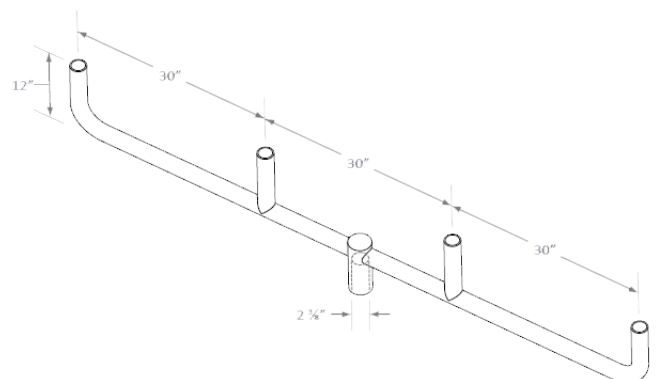
VLAL29-B-WG



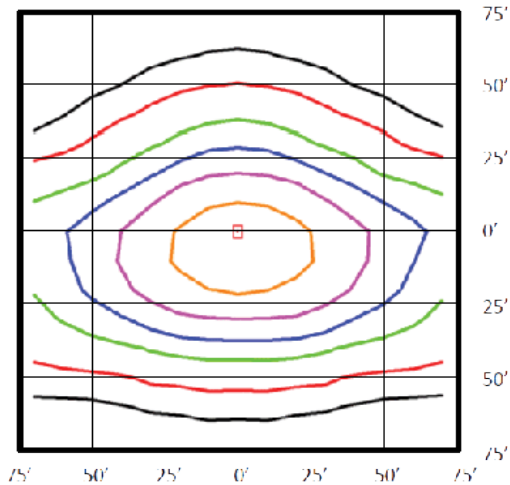
VLAL29-B-BH2-180



VLAL29-B-BH3-180



VLAL29-B-BH4-180



VLAL29-B-205L-QT-40K-T2

**Foot Candles**

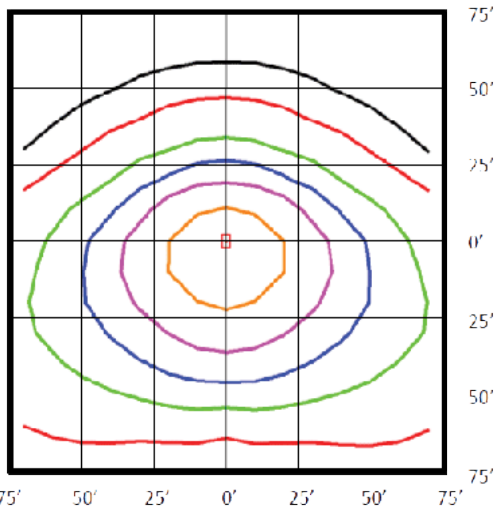
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

**Luminaire Orientation:**

- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B4-U3-G4**

Zone	Lumens	%
FL - Front - Low (0-30)	3,146	12%
FM - Front - Medium (30-60)	8,698	33%
FH - Front - High (60-80)	4,747	18%
FVH - Front - Very High (80-90)	448	2%
<b>Total Forward Light</b>	<b>17,039</b>	<b>64%</b>
BL - Back - Low (0-30)	2,157	8%
BM - Back - Medium (30-60)	4,350	16%
BH - Back - High (60-80)	2,737	10%
BVH - Back - Very High (80-90)	284	1%
<b>Total Back Light</b>	<b>9,538</b>	<b>36%</b>
UL - Up Light - Low (90-100)	23	0%
UH - Up Light - High (100-180)	121	0%
<b>Total Up Light</b>	<b>143</b>	<b>1%</b>
<b>Total Lumens</b>	<b>26,720</b>	<b>100%</b>



VLAL29-B-205L-QT-40K-T4

**Foot Candles**

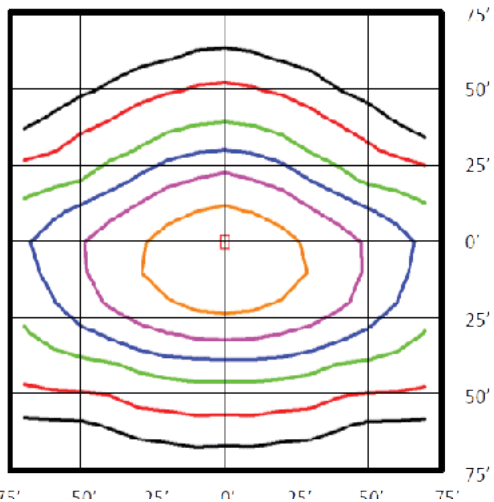
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

**Luminaire Orientation:**

- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B3-U3-G4**

Zone	Lumens	%
FL - Front - Low (0-30)	3,283	12%
FM - Front - Medium (30-60)	8,316	32%
FH - Front - High (60-80)	5,898	22%
FVH - Front - Very High (80-90)	669	3%
<b>Total Forward Light</b>	<b>18,166</b>	<b>69%</b>
BL - Back - Low (0-30)	2,305	9%
BM - Back - Medium (30-60)	3,649	14%
BH - Back - High (60-80)	1,885	7%
BVH - Back - Very High (80-90)	181	1%
<b>Total Back Light</b>	<b>8,020</b>	<b>30%</b>
UL - Up Light - Low (90-100)	23	0%
UH - Up Light - High (100-180)	121	0%
<b>Total Up Light</b>	<b>144</b>	<b>1%</b>
<b>Total Lumens</b>	<b>26,329</b>	<b>100%</b>



VLAL29-B-239L-QT-40K-T2

**Foot Candles**

- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

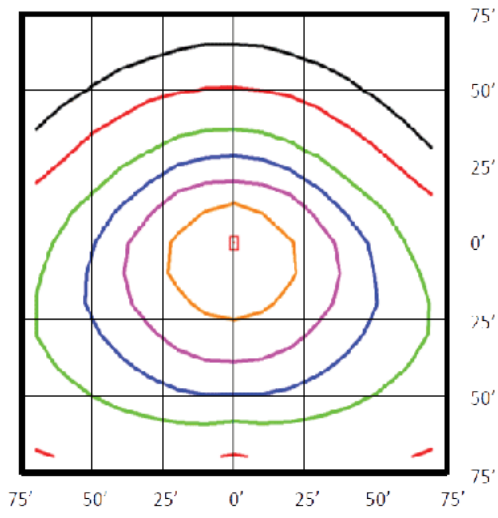
**Luminaire Orientation:**

- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B4-U0-G4**

Zone	Lumens	%
FL - Front - Low (0-30)	3,643	12%
FM - Front - Medium (30-60)	10,507	34%
FH - Front - High (60-80)	5,495	18%
FVH - Front - Very High (80-90)	419	1%
<b>Total Forward Light</b>	<b>20,063</b>	<b>65%</b>
BL - Back - Low (0-30)	2,421	8%
BM - Back - Medium (30-60)	5,020	16%
BH - Back - High (60-80)	2,955	10%
BVH - Back - Very High (80-90)	255	1%
<b>Total Back Light</b>	<b>10,651</b>	<b>35%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>30,714</b>	<b>100%</b>





**VLAL29-B-239L-QT-40K-T4**

**Foot Candles**

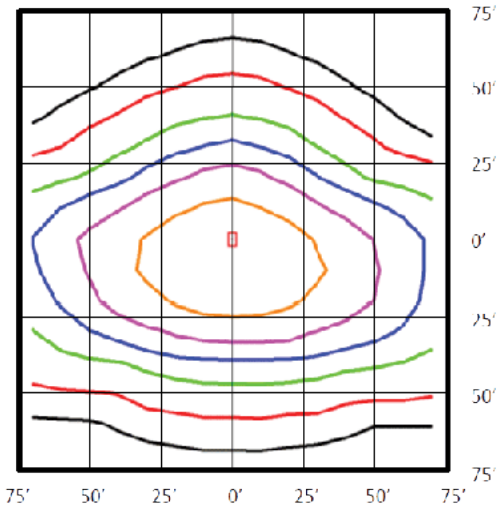
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

**Luminaire Orientation:**

- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B4-U0-G5**

Zone	Lumens	%
FL - Front - Low (0-30)	3,676	12%
FM - Front - Medium (30-60)	9,633	32%
FH - Front - High (60-80)	6,996	23%
FVH - Front - Very High (80-90)	937	3%
<b>Total Forward Light</b>	<b>21,242</b>	<b>70%</b>
BL - Back - Low (0-30)	2,566	8%
BM - Back - Medium (30-60)	4,215	14%
BH - Back - High (60-80)	2,185	7%
BVH - Back - Very High (80-90)	232	1%
<b>Total Back Light</b>	<b>9,197</b>	<b>30%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>30,439</b>	<b>100%</b>



**VLAL29-B-279L-QT-40K-T2**

**Foot Candles**

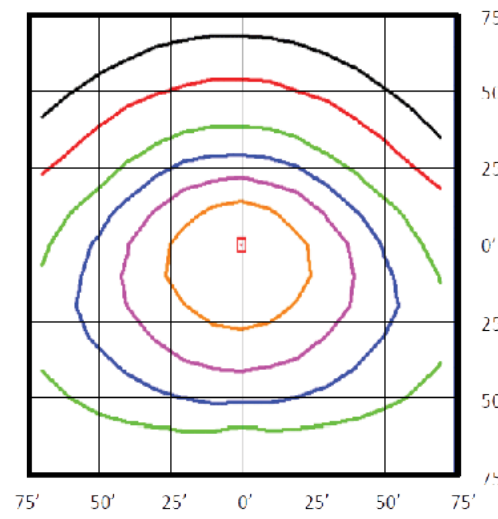
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

**Luminaire Orientation:**

- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B4-U0-G4**

Zone	Lumens	%
FL - Front - Low (0-30)	4,155	12%
FM - Front - Medium (30-60)	12,409	35%
FH - Front - High (60-80)	6,350	18%
FVH - Front - Very High (80-90)	448	1%
<b>Total Forward Light</b>	<b>23,362</b>	<b>66%</b>
BL - Back - Low (0-30)	2,674	8%
BM - Back - Medium (30-60)	5,633	16%
BH - Back - High (60-80)	3,204	9%
BVH - Back - Very High (80-90)	266	1%
<b>Total Back Light</b>	<b>11,777</b>	<b>34%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>35,139</b>	<b>100%</b>



**VLAL29-B-279L-QT-40K-T4**

**Foot Candles**

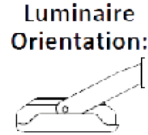
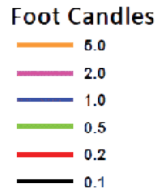
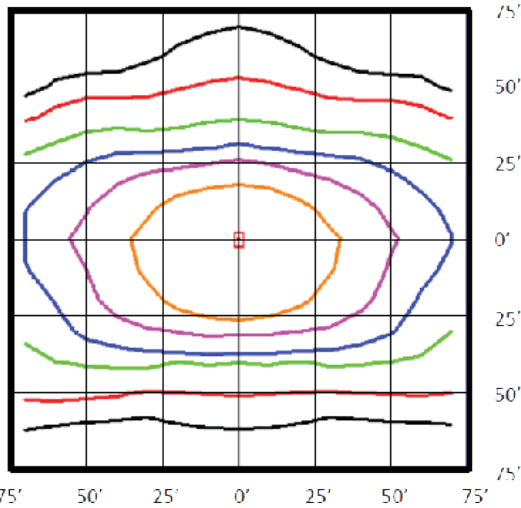
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1

**Luminaire Orientation:**

- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B4-U0-G5**

Zone	Lumens	%
FL - Front - Low (0-30)	4,278	12%
FM - Front - Medium (30-60)	11,186	32%
FH - Front - High (60-80)	8,166	23%
FVH - Front - Very High (80-90)	1,041	3%
<b>Total Forward Light</b>	<b>24,671</b>	<b>70%</b>
BL - Back - Low (0-30)	2,952	8%
BM - Back - Medium (30-60)	4,832	14%
BH - Back - High (60-80)	2,524	7%
BVH - Back - Very High (80-90)	265	1%
<b>Total Back Light</b>	<b>10,571</b>	<b>30%</b>
UL - Up Light - Low (90-100)	0	0%
UH - Up Light - High (100-180)	0	0%
<b>Total Up Light</b>	<b>0</b>	<b>0%</b>
<b>Total Lumens</b>	<b>35,243</b>	<b>100%</b>

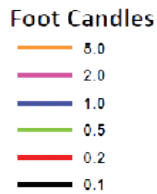
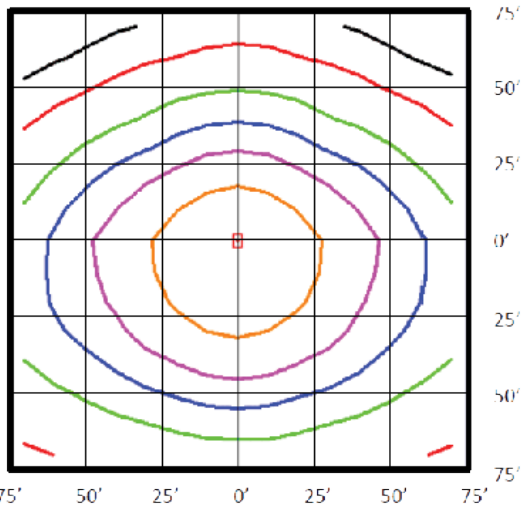


- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B5-U3-G5**

Zone	Lumens	%
FL - Front - Low (0-30)	5,669	13%
FM - Front - Medium (30-60)	13,331	30%
FH - Front - High (60-80)	6,342	14%
FVH - Front - Very High (80-90)	848	2%
<b>Total Forward Light</b>	<b>26,190</b>	<b>59%</b>
BL - Back - Low (0-30)	4,257	10%
BM - Back - Medium (30-60)	8,095	18%
BH - Back - High (60-80)	5,225	12%
BVH - Back - Very High (80-90)	516	1%
<b>Total Back Light</b>	<b>18,094</b>	<b>41%</b>
UL - Up Light - Low (90-100)	32	0%
UH - Up Light - High (100-180)	153	0%
<b>Total Up Light</b>	<b>185</b>	<b>0%</b>
<b>Total Lumens</b>	<b>44,469</b>	<b>100%</b>

**VLAL29-B-304L-QT-40K-T2**

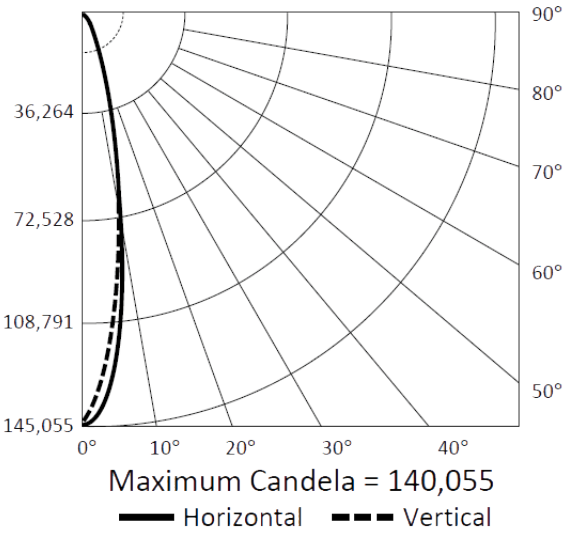


- Notes:**
- Isofootcandle plots depict initial footcandles at grade.
  - Gridlines represent units of mounting height of 25 feet.

**BUG Rating: B4-U3-G5**

Zone	Lumens	%
FL - Front - Low (0-30)	4,137	10%
FM - Front - Medium (30-60)	13,208	31%
FH - Front - High (60-80)	9,109	21%
FVH - Front - Very High (80-90)	1,205	3%
<b>Total Forward Light</b>	<b>27,660</b>	<b>64%</b>
BL - Back - Low (0-30)	3,192	7%
BM - Back - Medium (30-60)	7,235	17%
BH - Back - High (60-80)	4,323	10%
BVH - Back - Very High (80-90)	408	1%
<b>Total Back Light</b>	<b>15,158</b>	<b>35%</b>
UL - Up Light - Low (90-100)	35	0%
UH - Up Light - High (100-180)	161	0%
<b>Total Up Light</b>	<b>196</b>	<b>0%</b>
<b>Total Lumens</b>	<b>43,014</b>	<b>100%</b>

**VLAL29-B-304L-QT-40K-T4**



**NEMA Floodlight Data**

*Field Angles:*

- Horizontal 41°
- Vertical 42°

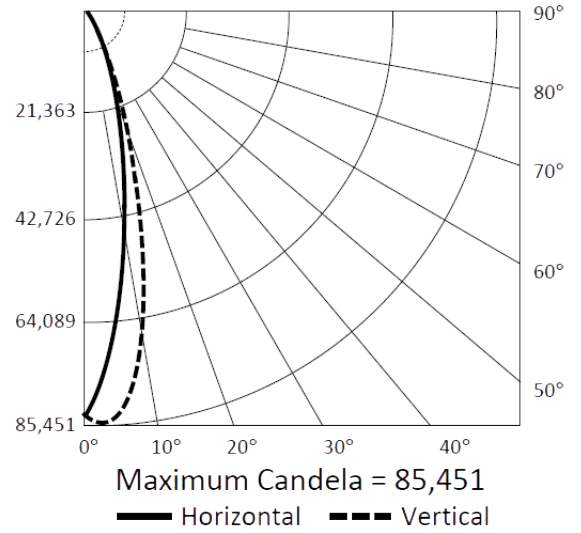
*NEMA Type:*

- Horizontal 3H
- Vertical 3V

**Luminaire Orientation:**



**VLAL29-B-205L-QT-40K-3X3**



**NEMA Floodlight Data**

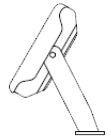
*Field Angles:*

- Horizontal 52°
- Vertical 53°

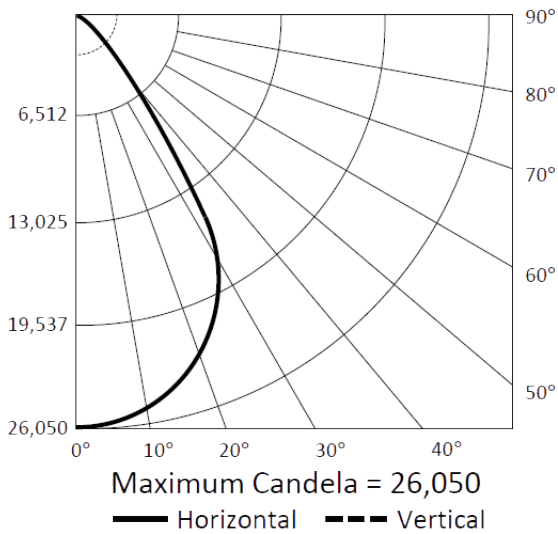
*NEMA Type:*

- Horizontal 4H
- Vertical 4V

**Luminaire Orientation:**



**VLAL29-B-205L-QT-40K-4X4**



**NEMA Floodlight Data**

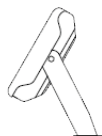
*Field Angles:*

- Horizontal 84°
- Vertical 84°

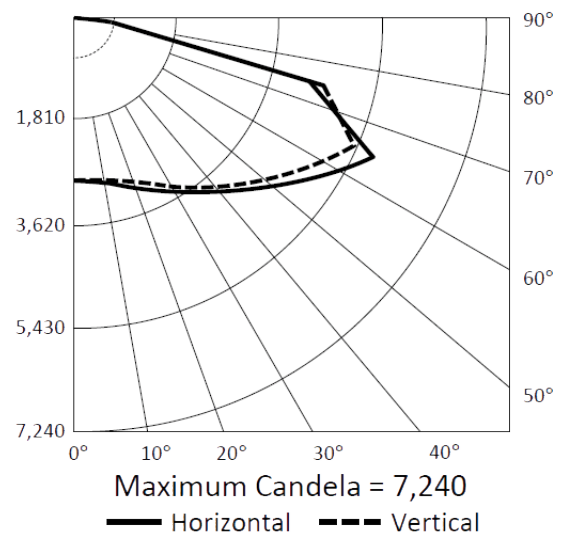
*NEMA Type:*

- Horizontal 5H
- Vertical 5V

**Luminaire Orientation:**



**VLAL29-B-205L-QT-40K-5X5**



**NEMA Floodlight Data**

*Field Angles:*

- Horizontal 149°
- Vertical 175°

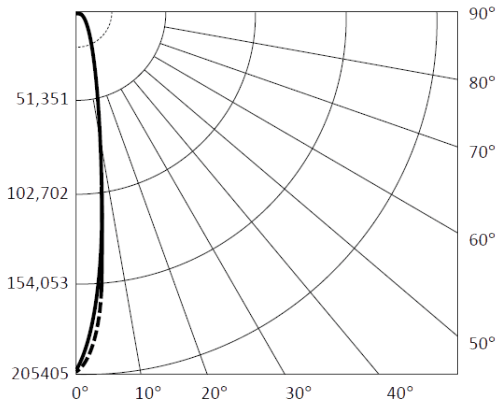
*NEMA Type:*

- Horizontal 7H
- Vertical 7V

**Luminaire Orientation:**



**VLAL29-B-205L-QT-40K-7X7**



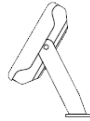
Maximum Candela = 205,405  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

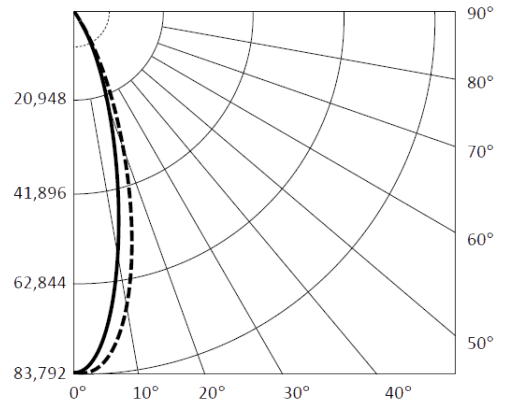
*Field Angles:*  
 ■ Horizontal 36°  
 ■ Vertical 38°

*NEMA Type:*  
 ■ Horizontal 3H  
 ■ Vertical 3V

**Luminaire Orientation:**



**VLAL29-B-239L-QT-40K-3X3**



Maximum Candela = 83,792  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

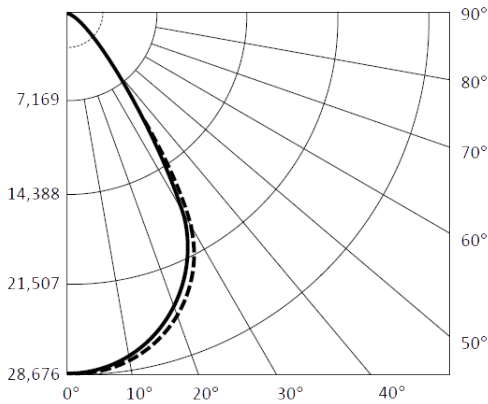
*Field Angles:*  
 ■ Horizontal 55°  
 ■ Vertical 57°

*NEMA Type:*  
 ■ Horizontal 4H  
 ■ Vertical 4V

**Luminaire Orientation:**



**VLAL29-B-239L-QT-40K-4X4**



Maximum Candela = 28,676  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

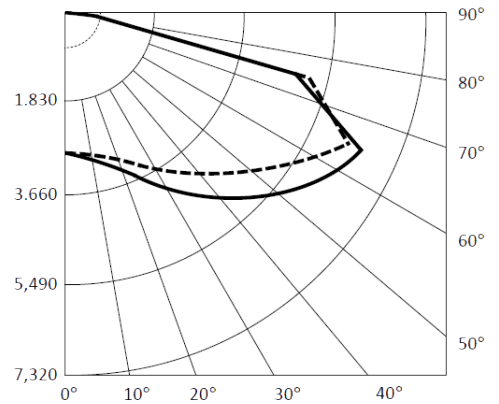
*Field Angles:*  
 ■ Horizontal 84°  
 ■ Vertical 84°

*NEMA Type:*  
 ■ Horizontal 5H  
 ■ Vertical 5V

**Luminaire Orientation:**



**VLAL29-B-239L-QT-40K-5X5**



Maximum Candela = 7,320  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

*Field Angles:*  
 ■ Horizontal 164°  
 ■ Vertical 173°

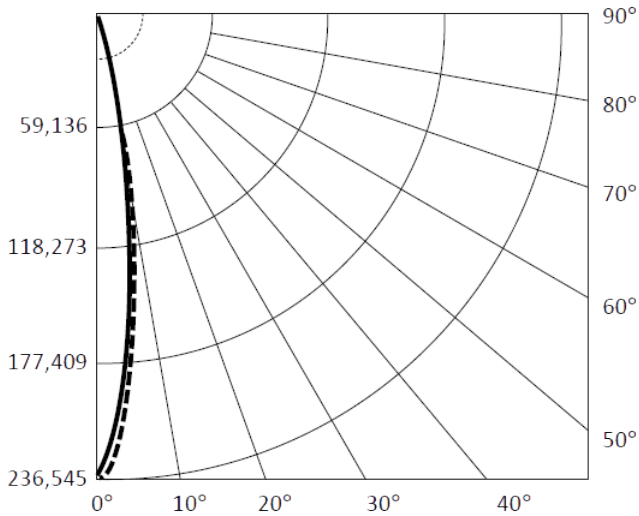
*NEMA Type:*  
 ■ Horizontal 7H  
 ■ Vertical 7V

**Luminaire Orientation:**



**VLAL29-B-239L-QT-40K-7X7**





Maximum Candela = 236,545  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

*Field Angles:*

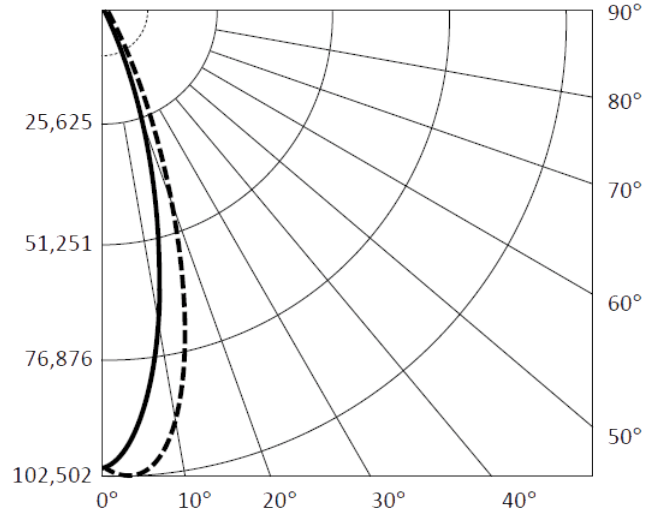
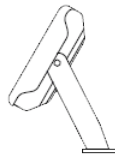
- Horizontal 36°
- Vertical 38°

*NEMA Type:*

- Horizontal 3H
- Vertical 3V

**VLAL29-B-279L-QT-40K-3X3**

**Luminaire Orientation:**



Maximum Candela = 102,502  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

*Field Angles:*

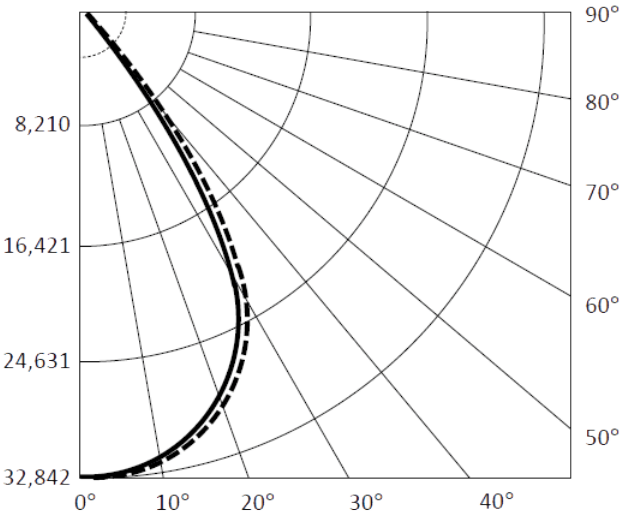
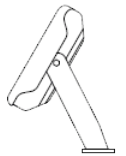
- Horizontal 55°
- Vertical 56°

*NEMA Type:*

- Horizontal 4H
- Vertical 4V

**VLAL29-B-279L-QT-40K-4X4**

**Luminaire Orientation:**



Maximum Candela = 32,842  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

*Field Angles:*

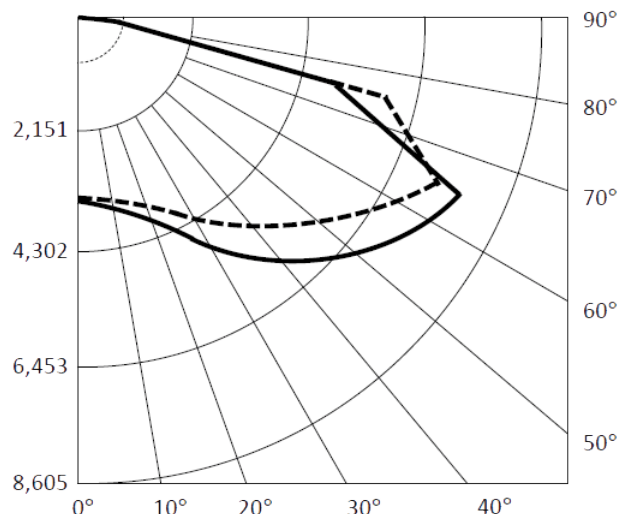
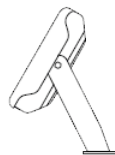
- Horizontal 85°
- Vertical 85°

*NEMA Type:*

- Horizontal 5H
- Vertical 5V

**VLAL29-B-279L-QT-40K-5X5**

**Luminaire Orientation:**



Maximum Candela = 8,605  
 — Horizontal    - - - Vertical

**NEMA Floodlight Data**

*Field Angles:*

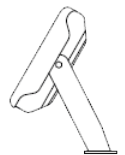
- Horizontal 163°
- Vertical 171°

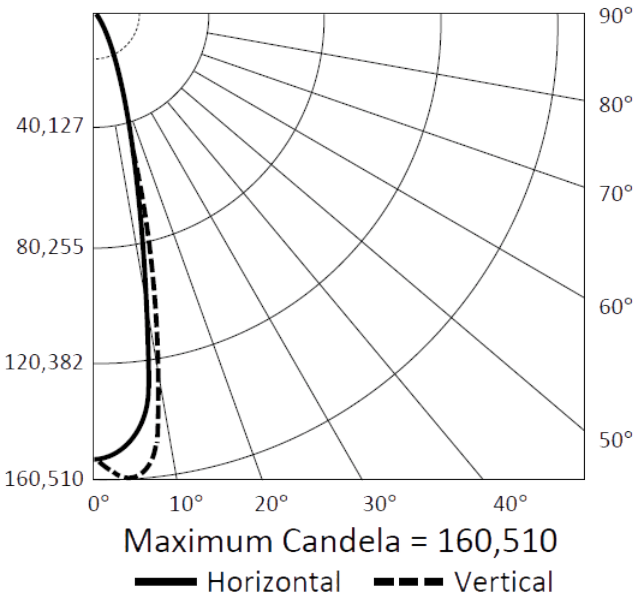
*NEMA Type:*

- Horizontal 7H
- Vertical 7V

**VLAL29-B-279L-QT-40K-7X7**

**Luminaire Orientation:**





**NEMA Floodlight Data**

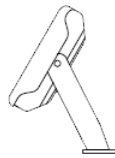
*Field Angles:*

- Horizontal 41°
- Vertical 43°

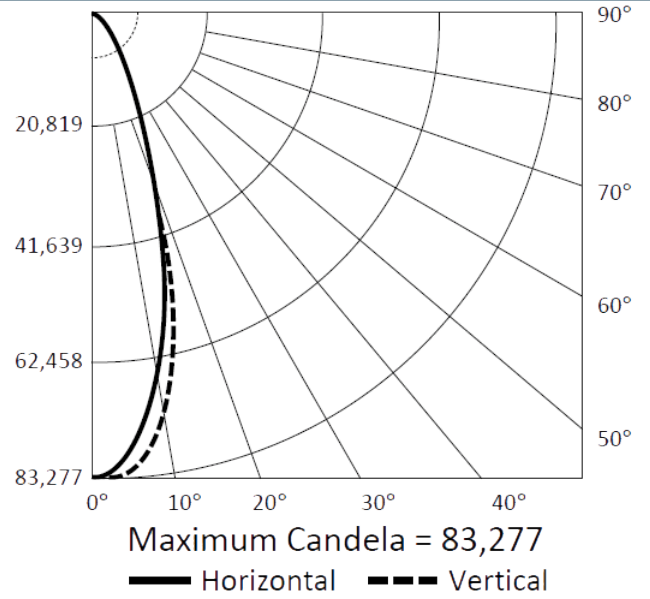
*NEMA Type:*

- Horizontal 3H
- Vertical 3V

**Luminaire Orientation:**



**VLAL29-B-304L-QT-40K-3X3**



**NEMA Floodlight Data**

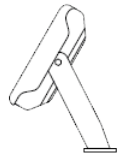
*Field Angles:*

- Horizontal 62°
- Vertical 63°

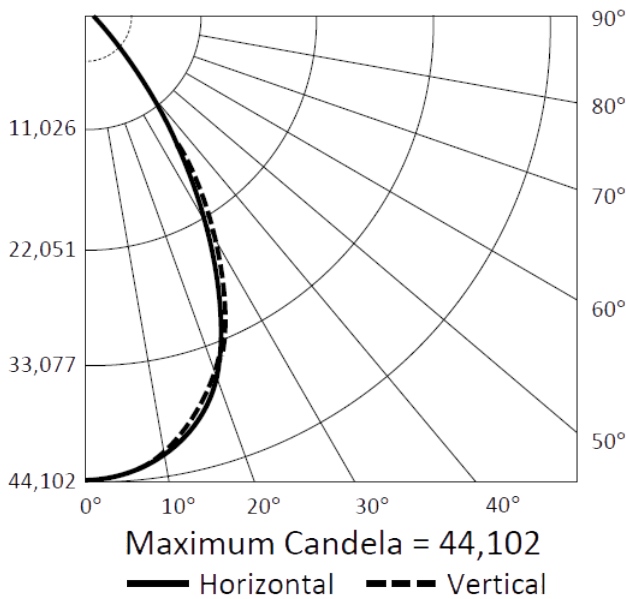
*NEMA Type:*

- Horizontal 4H
- Vertical 4V

**Luminaire Orientation:**



**VLAL29-B-304L-QT-40K-4X4**



**NEMA Floodlight Data**

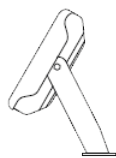
*Field Angles:*

- Horizontal 97°
- Vertical 98°

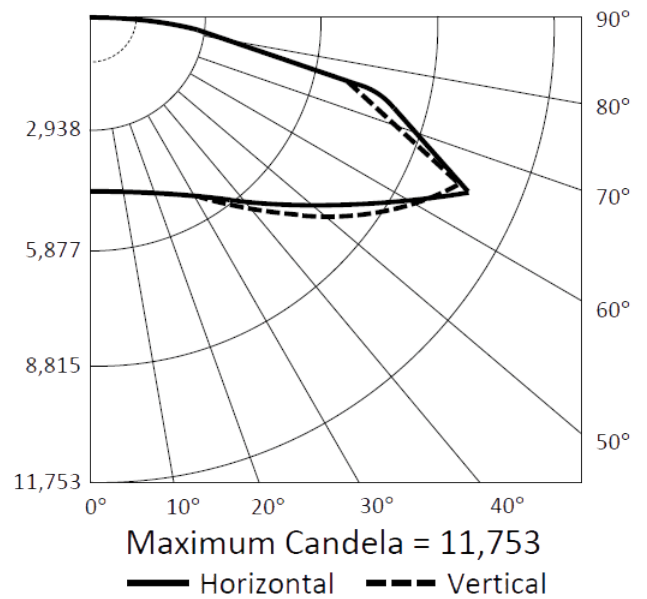
*NEMA Type:*

- Horizontal 5H
- Vertical 5V

**Luminaire Orientation:**



**VLAL29-B-304L-QT-40K-5X5**



**NEMA Floodlight Data**

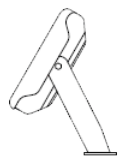
*Field Angles:*

- Horizontal 165°
- Vertical 175°

*NEMA Type:*

- Horizontal 7H
- Vertical 7V

**Luminaire Orientation:**



**VLAL29-B-304L-QT-40K-7X7**