



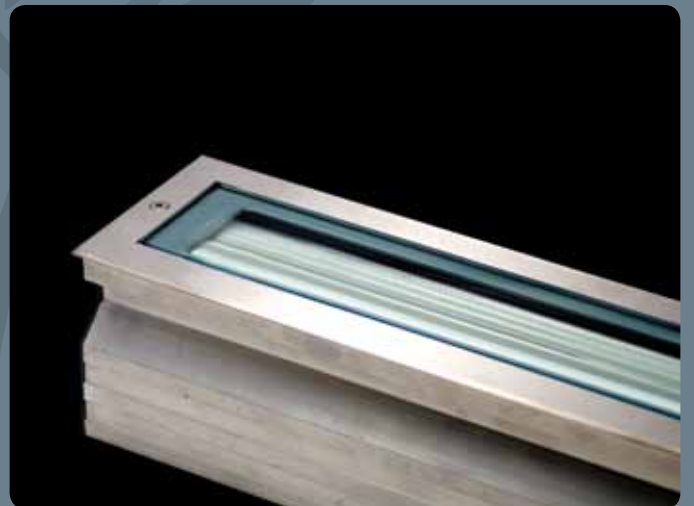
InGrade



## Inflect-25 / Inflect-37 / Inflect-49

### Linear Multi-Purpose Outdoor Accent

- 3K or 4K uniform white light application
- 12° x 12° grazer, 12° x 40° ellipsoidal, 21° x 56° asymmetrical
- Recessed mounted in-grade up light orientation
- Heavy wall marine grade stainless steel construction
- 24VDC low voltage Class II
- 0-10V and DMX dimming options



## Catalog Number

model	color temperature	optics	finish	options
<b>IFC-25</b>	<b>3K</b> - Warm White	<b>1212</b> - 12° Grazer	<b>SS</b> - Stainless Steel	<b>D</b> - Dimming 0-10V
<b>IFC-37</b>	<b>4K</b> - Cool White	<b>1240</b> - 12° x 40° Ellipsoidal	<b>CC</b> - Custom Color	<b>DMX</b> - DMX 512
<b>IFC-49</b>		<b>2156</b> - 21° x 56° Asymmetrical		

## Specifications

item	specifications	details
<b>Output</b>	beam spread	12° grazer, 12° x 40° ellipsoidal, 21° x 56° asymmetrical
	lumens	681
	LEDs per foot	8
	driver efficiency	94%
	lifetime	> 60,000 hours / L70 or better
<b>Color</b>	lumen maintenance	meets Energy Star® lumen maintenance requirement
	color consistency / CRI	≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80
	color temperature	3K CCT, 4K CCT
<b>Electrical</b>	input voltage	120-277VAC
	power consumption	12W per foot
	RFI	EMC (compatible and resistant)
	reverse polarity protection	integral
<b>Physical</b>	dimensions (l x w x h)	<b>IFC-25</b> - 25½" x 4¼" x 5" <b>IFC-37</b> - 37½" x 4¼" x 5"
	weight	5 lbs per foot
	housing / trim	extruded & die cast aluminum / 316 stainless steel trim
	lens	tempered glass
	junction temperature	79°C @ T <sub>A</sub> 25°C
	operating temperature	-20°C-50°C
<b>Documentation</b>	certifications	ETL / cETL
	standards	UL-Class I, IES LM-79, LM-80
	IP rating	IP65
<b>Warranty</b>	5 year limited warranty	See website for details



### Construction

Marine grade, corrosion resistant, heavy walled, die cast and extruded aluminum construction with 316 stainless steel trim. IP65 rating. Lens is 1/8" thick, tempered, clear, heat resistant.

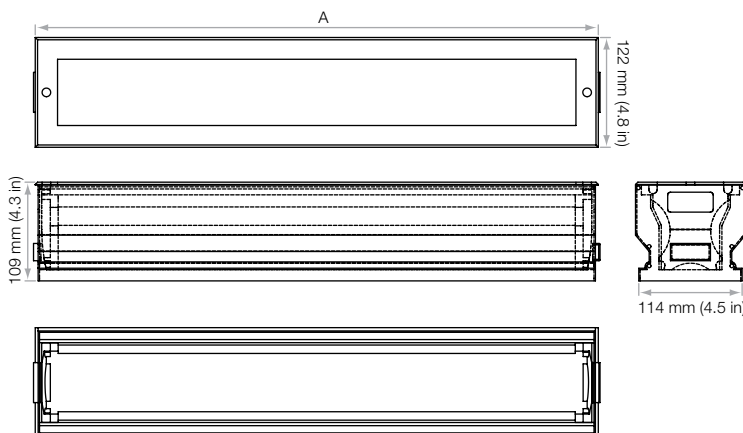
### Power Supply Requirements

Integral inverter and driver potted with a variable input voltage from 120-277VAC.



Δtolerance +/- 5%

## Dimensions



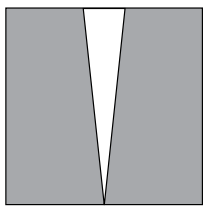
InFlect Dimensions	
Fixture	A Dimension
InFlect 25	620 mm (24.4 in)
InFlect 37	920 mm (36.2 in)
InFlect 49	1220 mm (48 in)

## Performance

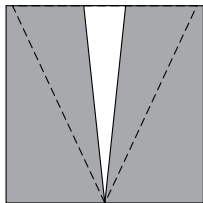
Model	Connected Wattage	Delivered Lumens	
		3K	4K
InFlect-25	24	1062	1362
InFlect-37	36	1594	2043
InFlect-49	48	2124	2724

Δbased on 85% efficient power supply

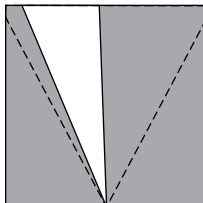
## Optics



12° x 12°  
grazer

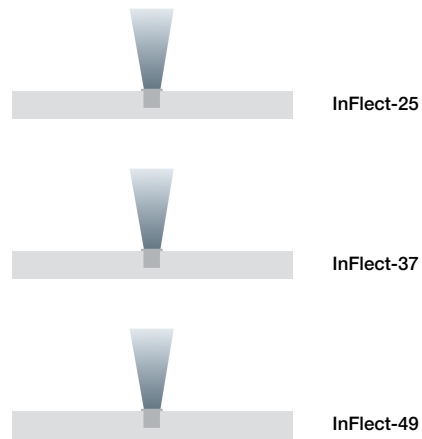


12° x 40°  
ellipsoidal



21° x 56°  
asymmetrical

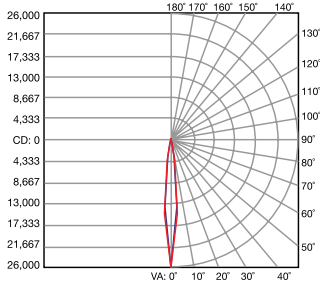
## Orientation Options



## Photometry

Candlepower Curve

IFC-25-4K-1212



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	1,343	88%	98%
0-40	1,348	89%	98%
0-60	1,358	89%	99%
60-90	19	1%	1%
0-90	1,377	91%	100%
90-180	1	0%	0%
0-180	1,377	91%	100%

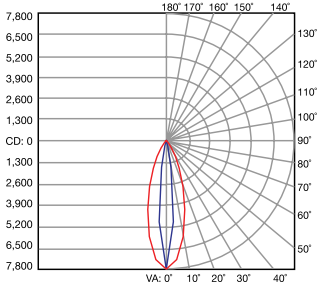
Efficiency Total: 91%

Lumens Per Zone

Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	990	72%	90-100	1	0%
10-20	338	25%	100-110	0	0%
20-30	15	1%	110-120	0	0%
30-40	6	0%	120-130	0	0%
40-50	3	0%	130-140	0	0%
50-60	7	1%	140-150	0	0%
60-70	8	1%	150-160	0	0%
70-80	8	1%	160-170	0	0%
80-90	4	0%	170-180	0	0%

Candlepower Curve

IFC-25-4K-1240



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	1,206	80%	87%
0-40	1,295	85%	93%
0-60	1,346	89%	97%
60-90	41	3%	3%
0-90	1,386	91%	100%
90-180	1	0%	0%
0-180	1,386	91%	100%

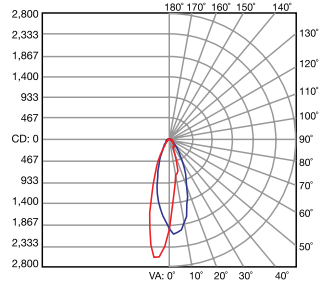
Efficiency Total: 91%

Lumens Per Zone

Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	483	35%	90-100	1	0%
10-20	500	36%	100-110	0	0%
20-30	223	16%	110-120	0	0%
30-40	90	6%	120-130	0	0%
40-50	23	2%	130-140	0	0%
50-60	28	2%	140-150	0	0%
60-70	23	2%	150-160	0	0%
70-80	12	1%	160-170	0	0%
80-90	5	0%	170-180	0	0%

Candlepower Curve

IFC-25-4K-A



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	806	53%	61%
0-40	984	65%	74%
0-60	1,183	78%	89%
60-90	140	9%	11%
0-90	1,323	87%	100%
90-180	0	0%	0%
0-180	1,323	87%	100%

Efficiency Total: 87%

Lumens Per Zone

Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	177	13%	90-100	0	0%
10-20	352	27%	100-110	0	0%
20-30	278	21%	110-120	0	0%
30-40	178	14%	120-130	0	0%
40-50	116	9%	130-140	0	0%
50-60	83	6%	140-150	0	0%
60-70	64	5%	150-160	0	0%
70-80	45	3%	160-170	0	0%
80-90	31	2%	170-180	0	0%

Linear

Power/Control

Downlite

Deco

StepLite

InGrade

SiteLite

185



# InSet

## Recessed Round In-Grade Up Light

- 3K or 4K uniform white light application
- 12° grazer and 120° symmetrical distribution
- 316 grade stainless steel trim and housing
- Integral 24VDC or 12VAC input
- Rated IP65 for wet locations



Catalog Number

model	color temperature	optics	options
INS	<div style="border: 1px solid black; width: 100px; height: 30px; margin-bottom: 5px;"></div> <b>3K</b> - Warm White <b>4K</b> - Cool White	<div style="border: 1px solid black; width: 100px; height: 30px; margin-bottom: 5px;"></div> <b>12</b> - 12° Grazer <b>120</b> - 120° Wash	<div style="border: 1px solid black; width: 100px; height: 30px; margin-bottom: 5px;"></div> <b>EC</b> - E-Coat <b>PVC</b> - PVC Housing <b>SPL</b> - Spread Lens

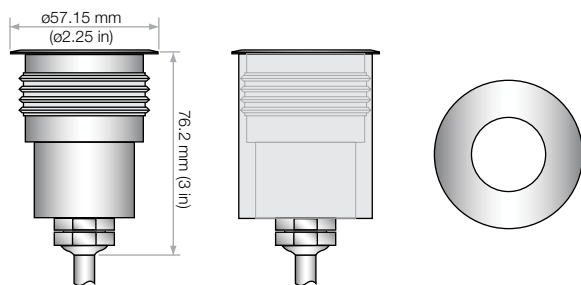
Specifications

item	specifications	details
<b>Output</b>	beam spread	12° grazer, 120° wash
	lumens	60
	LEDs	1
	driver efficiency	94%
	lifetime	> 50,000 hours / L70 or better
<b>Color</b>	lumen maintenance	meets Energy Star® lumen maintenance requirement
	color consistency / CRI	≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80
	color temperature	3K CCT, 4K CCT
<b>Electrical</b>	input voltage	12VAC or 24VDC
	power consumption	2W
	RFI	EMC (compatible and resistant)
	reverse polarity protection	integral
<b>Control</b>	power supply	by others
<b>Physical</b>	dimensions (h x ø)	3" x 2 1/4"
	weight	1.5 lbs
	housing	machined 316 stainless steel
	lens	tempered glass
	junction temperature	87°C @ T <sub>A</sub> 25°C
<b>Documentation</b>	operating temperature	-20°C-50°C
	certifications	ETL / cETL
	standards	UL-Class II, IES LM-79, LM-80
<b>Warranty</b>	IP rating	IP65
<b>Warranty</b>	5 year limited warranty	See website for details

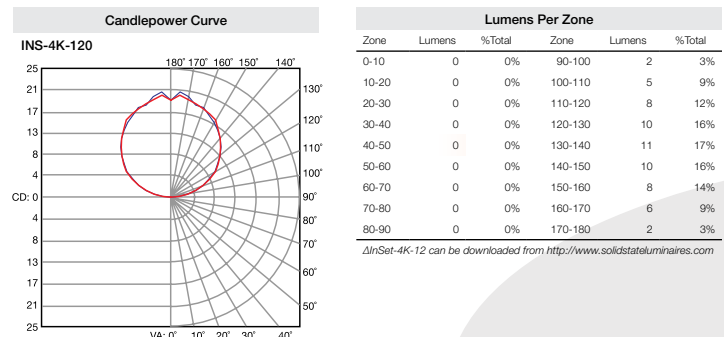


Δtolerance +/- 5%

Dimensions



Photometry



Construction

Marine grade, corrosion resistant, heavy walled, machined 316 grade stainless steel. Listed for wet location (up or down position). IP65 rating. Clear lens is 1/8" thick tempered, heat resistant, comes standard.

Power Supply Requirements

Integral inverter and driver with a variable input voltage from 20-24VDC or 12VAC. Consult Power Supply section.






## InGulf-4 / InGulf-6

### Recessed Round In-Grade Up Light

- 3K or 4K uniform white light application
- 120° symmetrical distribution
- 4" and 6" diameters
- Die cast aluminum with 316 grade stainless steel trim ring
- 120-240VAC line voltage connection
- 0-10V and DMX dimming options



## Catalog Number

model	color temperature	options
		
<b>IG-4</b>	<b>3K</b> - Warm White	<b>D</b> - Dimming 0-10V
<b>IG-6</b>	<b>4K</b> - Cool White	<b>DMX</b> - DMX 512
		<b>EC</b> - E-Coat
		<b>PVC</b> - PVC Housing

## Specifications

item	specifications	details
<b>Output</b>	beam spread	120° wash
	lumens	<b>IG-4</b> - 212 <b>IG-6</b> - 275
	LEDs	<b>IG-4</b> - 3 <b>IG-6</b> - 3
	driver efficiency	94%
	lifetime	> 60,000 hours / L70 or better
<b>Color</b>	lumen maintenance	meets Energy Star® lumen maintenance requirement
	color consistency / CRI	≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80
<b>Electrical</b>	color temperature	3K CCT, 4K CCT
	input voltage	120-240VAC
<b>Physical</b>	power consumption	<b>IG-4</b> - 4W <b>IG-6</b> - 6W
	RFI	EMC (compatible and resistant)
	reverse polarity protection	integral
<b>Documentation</b>	dimensions (h x ø)	<b>IG-4</b> - 3 7/8" x 4" <b>IG-6</b> - 5" x 6"
	weight	<b>IG-4</b> - 3 lbs <b>IG-6</b> - 5 lbs
	housing / trim	die cast aluminum / 316 stainless steel
	lens	tempered glass
	junction temperature	71°C @ T <sub>A</sub> 25°C
	operating temperature	-20°C-50°C
<b>Warranty</b>	certifications	ETL / cETL
	standards	UL-Class I, IES LM-79, LM-80
	IP rating	IP65
<b>Warranty</b>	5 year limited warranty	See website for details



### Construction

Marine grade, corrosion resistant, heavy walled, high pressure die cast aluminum construction with 316 grade stainless steel trim. Listed for wet location (up or down position). IP65 rating. Lens is 1/8" thick tempered, opal, heat resistant.

### Power Supply Requirements

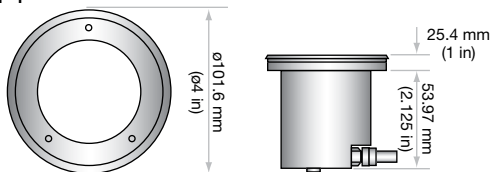
Integral inverter and driver with a variable input voltage from 120V-240V.



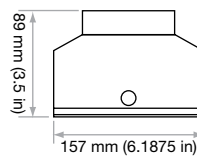
Δtolerance +/- 5%

## Dimensions

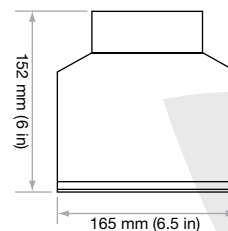
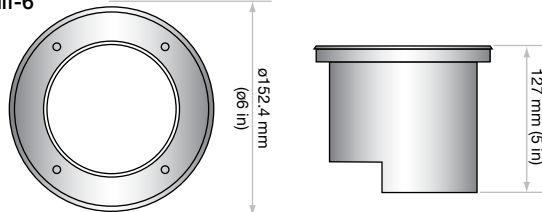
InGulf-4



PVC Housing



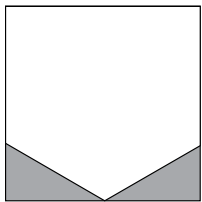
InGulf-6



## Performance

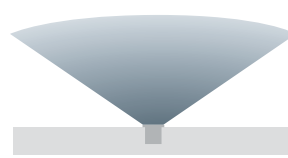
Model	Connected Wattage	Delivered Lumens	
		3K	4K
InGulf-4	4	180	212
InGulf-6	6	233	275

## Optics

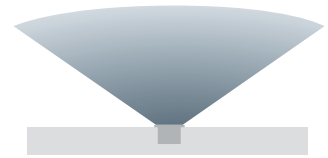


120° x 120°  
wash

## Orientation Options



InGulf-4

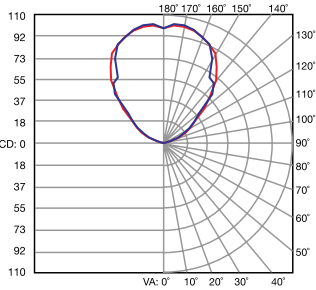


InGulf-6

## Photometry

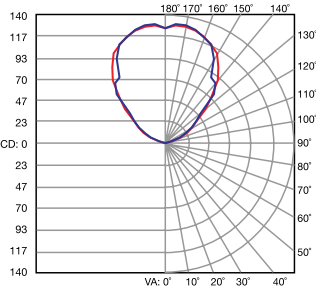
Candlepower Curve

IG-4-4K



Candlepower Curve

IG-6-4K



Lumens Per Zone

Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	0	0%	90-100	1	0%
10-20	0	0%	100-110	7	3%
20-30	0	0%	110-120	17	8%
30-40	0	0%	120-130	27	13%
40-50	0	0%	130-140	39	18%
50-60	0	0%	140-150	44	21%
60-70	0	0%	150-160	41	20%
70-80	0	0%	160-170	27	13%
80-90	0	0%	170-180	10	5%

Lumens Per Zone

Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	0	0%	90-100	1	0%
10-20	0	0%	100-110	9	3%
20-30	0	0%	110-120	22	8%
30-40	0	0%	120-130	35	13%
40-50	0	0%	130-140	51	18%
50-60	0	0%	140-150	57	21%
60-70	0	0%	150-160	54	20%
70-80	0	0%	160-170	36	13%
80-90	0	0%	170-180	12	5%

Illuminance at a Distance

Distance	Center Beam fc		Beam Width	
	Inner	Outer	Inner	Outer
6 ft	3 fc	13 ft	37 ft	
5 ft	4 fc	11 ft	31 ft	
4 ft	6 fc	9 ft	25 ft	
3 ft	11 fc	6 ft	19 ft	
2 ft	24 fc	4 ft	12 ft	
1 ft	96 fc	2 ft	6 ft	

• Beam Spread: 94° • Field Angle: 144°  
 Δwarm white calculated at 78% of output

Illuminance at a Distance

Distance	Center Beam fc		Beam Width	
	Inner	Outer	Inner	Outer
6 ft	4 fc	13 ft	37 ft	
5 ft	5 fc	11 ft	31 ft	
4 ft	8 fc	9 ft	25 ft	
3 ft	14 fc	6 ft	19 ft	
2 ft	31 fc	4 ft	12 ft	
1 ft	125 fc	2 ft	6 ft	

• Beam Spread: 94° • Field Angle: 144°  
 Δwarm white calculated at 78% of output



# InGress

## Low Profile Recessed In-Grade Up Light

- 3K or 4K uniform white light application
- 120° symmetrical distribution
- Only 2" recessed depth
- 316 grade stainless steel trim ring
- 120-240VAC line voltage connection to power supply



Catalog Number

model	color temperature	finish	options
IGS	<div style="border: 1px solid black; width: 80px; height: 30px; margin-bottom: 5px;"></div> <b>3K</b> - Warm White <b>4K</b> - Cool White	<div style="border: 1px solid black; width: 80px; height: 30px; margin-bottom: 5px;"></div> <b>SS</b> - Stainless Steel <b>CC</b> - Custom Color	<div style="border: 1px solid black; width: 80px; height: 30px; margin-bottom: 5px;"></div> <b>OPL</b> - Opal Lens

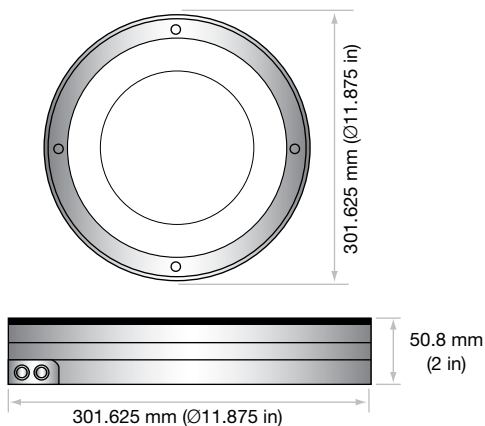
Specifications

item	specifications	details
<b>Output</b>	beam spread	120° wash
	lumens	847
	LEDs	12
	driver efficiency	94%
	lifetime	> 60,000 hours / L70 or better
	lumen maintenance	meets Energy Star® lumen maintenance requirement
<b>Color</b>	color consistency / CRI	≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80
	color temperature	3K CCT, 4K CCT
<b>Electrical</b>	input voltage	510 MA-40V
	power consumption	20W
	RFI	EMC (compatible and resistant)
	reverse polarity protection	integral
<b>Control</b>	power supply	remote (included) 120-240VAC
<b>Physical</b>	dimensions (h x ø)	2" x 11 7/8"
	weight	4 lbs
	housing / trim	die cast aluminum / 316 stainless steel trim
	lens	tempered glass
	junction temperature	72°C @ T <sub>A</sub> 25°C
<b>Documentation</b>	certifications	ETL / cETL
	standards	UL-Class II, IES LM-79, LM-80
	IP rating	IP65
<b>Warranty</b>	5 year limited warranty	See website for details

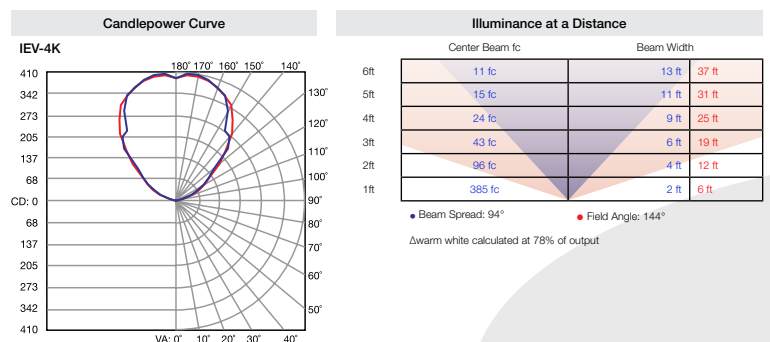
Δtolerance +/- 5%



Dimensions



Photometry



Construction

Marine grade, corrosion resistant, heavy walled, die cast aluminum construction with 316 grade stainless steel trim. IP65 rating. Lens is 1/8" thick, tempered, clear, heat resistant.

Power Supply Requirements

Integral inverter and driver potted with a variable input voltage from 120V-240V. Standard remote power supply included.



# InEvio

## Recessed Driveover Marker Light

- 3K or 4K uniform white light application
- 15° spot, 25° narrow flood and 40° flood distributions
- Die cast aluminum for maximum durability
- 316 grade stainless steel trim ring
- 120-277VAC line voltage connection
- 0-10V and DMX dimming options



Catalog Number

model	color temperature	optics	finish	options	accessories
IEV	3K - Warm White 4K - Cool White	SP - 15° Spot NFL - 25° Narrow Flood FL - 40° Flood	SS - Stainless Steel CC - Custom Color	D - Dimming 0-10V DMX - DMX 512 PVC - PVC Sleeve OPL - Opal Lens	EMR - Emergency Backup-Remote (120V)

Specifications

item	specifications	details
Output	beam spread	15° spot, 25° narrow flood, 40° flood
	lumens	1240
	LEDs	12
	driver efficiency	94%
	lifetime	> 60,000 hours / L70 or better
	lumen maintenance	meets Energy Star® lumen maintenance requirement
Color	color consistency / CRI	≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80
	color temperature	3K CCT, 4K CCT
Electrical	input voltage	120-277VAC
	power consumption	24W
	RFI	EMC (compatible and resistant)
	reverse polarity protection	integral
Physical	dimensions (h x ø)	12 <sup>3</sup> / <sub>4</sub> " x 8 <sup>5</sup> / <sub>16</sub> "
	weight	11 lbs
	housing / trim	die cast aluminum / 316 stainless steel trim
	lens	clear 3/16" tempered glass
	junction temperature	79°C @ T <sub>A</sub> 25°C
operating temperature	-20°C-50°C	
Documentation	certifications	ETL / cETL
	standards	UL-Class I, IES LM-79, LM-80
	IP rating	IP65
Warranty	5 year limited warranty	See website for details



Construction

Marine grade, corrosion resistant, heavy walled, die cast aluminum construction. IP65 rating. Lens is 3/16" thick, tempered, clear, heat resistant. Emergency battery backup remote up to 25W also available.

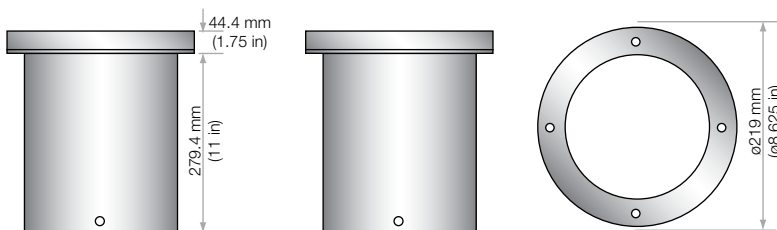
Power Supply Requirements

Integral inverter and driver with a variable input voltage from 120V-277V.



Δtolerance +/- 5%

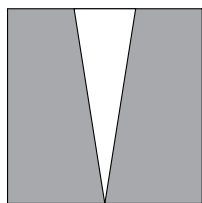
Dimensions



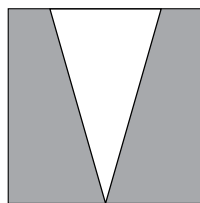
## Performance

Model	Connected Wattage	Delivered Lumens	
		3K	4K
InEvio	24	967	1240

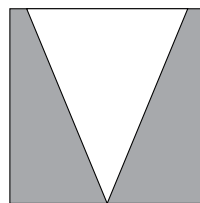
## Optics



15° spot

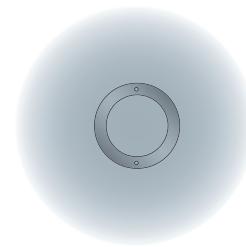


25° narrow flood



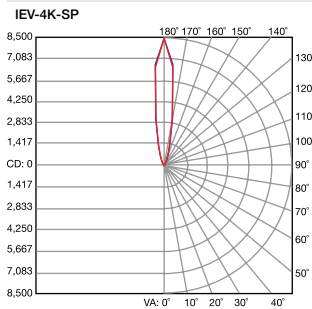
40° flood

## Orientation Options



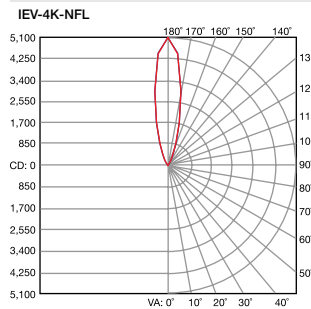
## Photometry

Candlepower Curve



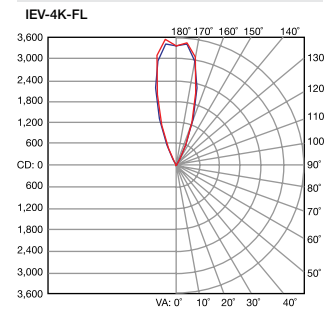
Lumens Per Zone					
Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	0	0%	90-100	0	0%
10-20	0	0%	100-110	0	0%
20-30	0	0%	110-120	0	0%
30-40	0	0%	120-130	1	0%
40-50	0	0%	130-140	16	1%
50-60	0	0%	140-150	74	6%
60-70	0	0%	150-160	203	16%
70-80	0	0%	160-170	448	36%
80-90	0	0%	170-180	502	40%

Candlepower Curve



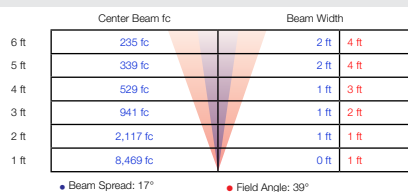
Lumens Per Zone					
Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	0	0%	90-100	0	0%
10-20	0	0%	100-110	0	0%
20-30	0	0%	110-120	0	0%
30-40	0	0%	120-130	5	0%
40-50	0	0%	130-140	29	2%
50-60	0	0%	140-150	100	8%
60-70	0	0%	150-160	246	20%
70-80	0	0%	160-170	490	40%
80-90	0	0%	170-180	365	30%

Candlepower Curve



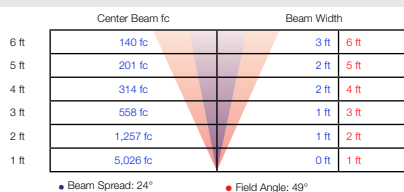
Lumens Per Zone					
Zone	Lumens	%Total	Zone	Lumens	%Total
0-10	0	0%	90-100	3	0%
10-20	0	0%	100-110	5	0%
20-30	0	0%	110-120	5	0%
30-40	0	0%	120-130	6	1%
40-50	0	0%	130-140	3	0%
50-60	0	0%	140-150	43	3%
60-70	0	0%	150-160	300	24%
70-80	0	0%	160-170	572	46%
80-90	1	0%	170-180	307	25%

Illuminance at a Distance



Δwarm white calculated at 78% of output

Illuminance at a Distance



Illuminance at a Distance

