

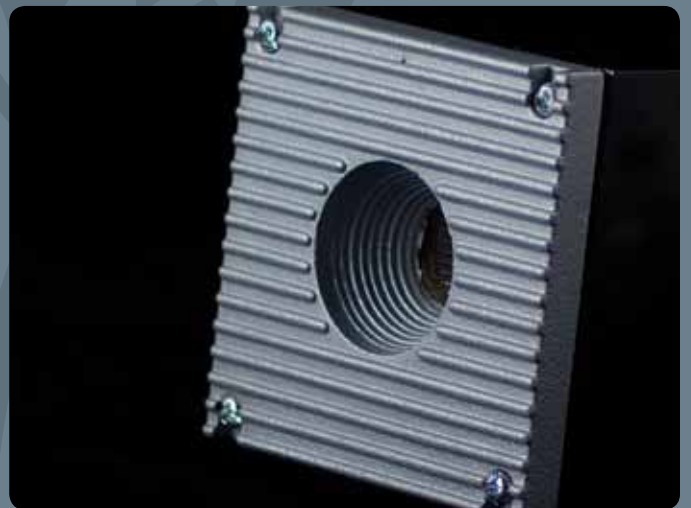
StepLite



InDent

Recessed Square In-Grade Up and Steplight

- 3K or 4K uniform white light application
- 12° symmetrical distribution with spread lens
- Die cast aluminum for maximum durability
- Four standard colors and custom finish options to suit any design
- 120VAC line voltage connection



Catalog Number

| model | color temperature | optics | finish | options | accessories |
|-------|--|--|--|--------------------|---|
| ID | 3K - Warm White 4K - Cool White | 12 - 12° Grazer 120 - 120° Wash | BK - Black BZ - Bronze CC - Custom Color SL - Silver WH - White | EC - E-Coat | EMR - Emergency Backup-Remote (120V) |

Specifications

| item | specifications | details |
|----------------------|-----------------------------|---|
| Output | beam spread | 12° grazer, 120° wash |
| | lumens | 113 |
| | LEDs | 1 |
| | driver efficiency | 94% |
| | lifetime | > 60,000 hours / L70 or better |
| Color | lumen maintenance | meets Energy Star® lumen maintenance requirement |
| | color consistency / CRI | ≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80 |
| Electrical | color temperature | 3K CCT, 4K CCT |
| | input voltage | 120VAC |
| Control | power consumption | 2.5 W |
| | RFI | EMC (compatible and resistant) |
| | reverse polarity protection | integral |
| Physical | power supply | by others |
| | dimensions (l x w x h) | 3" x 3" x 4 1/4" |
| | weight | 1.5 lbs |
| | housing | die cast aluminum |
| | lens | tempered glass |
| Documentation | junction temperature | 67°C @ T _A 25°C |
| | operating temperature | -20°C to 50°C |
| | certifications | ETL / cETL |
| Warranty | standards | UL-Class I, IES LM-79, LM-80 |
| | IP rating | IP65 |
| | 5 year limited warranty | See website for details |

Δtolerance +/- 5%



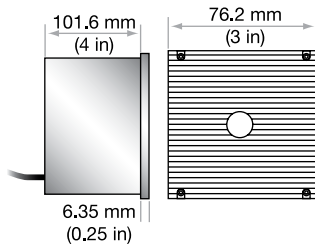
Construction

Marine grade, corrosion resistant, heavy walled, high pressure die cast aluminum and extruded aluminum construction. Listed for wet location. IP65 rating. Lens is heat resistant, clear, tempered glass with spread lens. Emergency battery backup remote up to 25W also available.

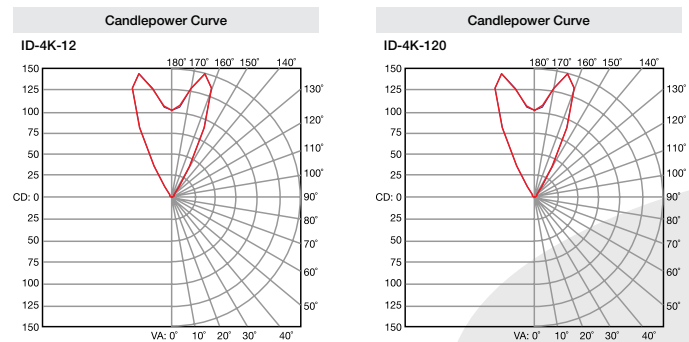
Power Supply Requirements

Integral inverter and driver with a variable input of voltage from 120VAC.

Dimensions



Photometry









InSight

Recessed Wall Outdoor Steplight

- 3K or 4K uniform white light application
- Optional hooded or slot aperture trim face
- Die cast aluminum for maximum durability
- Four standard colors and custom finish options
- 120-240VAC line voltage connection



Catalog Number

| model | color temperature | finish | options | accessories |
|---|---|---|---|---|
|  |  |  |  |  |
| IS-1 | 3K - Warm White | BK - Black | EC - E-Coat | EMR - Emergency |
| IS-2 | 4K - Cool White | BZ - Bronze | | Backup-Remote (120V) |
| | | CC - Custom Color | | |
| | | SL - Silver | | |
| | | WH - White | | |

Specifications

| item | specifications | details |
|----------------------|-----------------------------|---|
| Output | beam spread | 40° |
| | lumens | IS-1 - 338 IS-2 - 264 |
| | LEDs | 4 |
| | driver efficiency | 94% |
| | lifetime | > 60,000 hours / L70 or better |
| Color | lumen maintenance | meets Energy Star® lumen maintenance requirement |
| | color consistency / CRI | ≤ 4 step MacAdam Ellipse, color corrected / CRI: ≥ 80 |
| Electrical | color temperature | 3K CCT, 4K CCT |
| | input voltage | 120V - 240VAC |
| Control | power consumption | 6W |
| | RFI | EMC (compatible and resistant) |
| | reverse polarity protection | integral |
| Physical | power supply | Class I |
| | dimensions (l x w x h) | IS-1 - 6" x 6" x 5" IS-2 - 6" x 6" x 5" |
| | weight | 7 lbs. |
| | housing | die cast aluminum |
| | lens | tempered glass |
| | junction temperature | 71°C @ T _A 25°C |
| Documentation | operating temperature | -20°C to 50°C |
| | certifications | ETL / cETL |
| Warranty | standards | UL-Class II, IES LM-79, LM-80 |
| | IP rating | IP65 |
| | 5 year limited warranty | See website for details |



Construction

Marine grade, corrosion resistant, heavy walled, high pressure die cast aluminum and extruded aluminum construction. Listed for wet location. IP65 rating. Lens is 3/8" thick tempered, clear, heat resistant glass with spread lens. Emergency battery backup remote up to 25W also available.

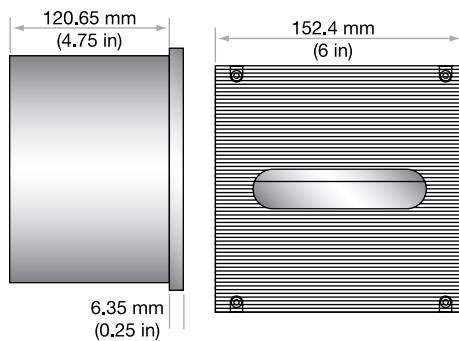
Power Supply Requirements

Integral inverter and driver potted with a variable input of voltage from 120V to 240VAC.

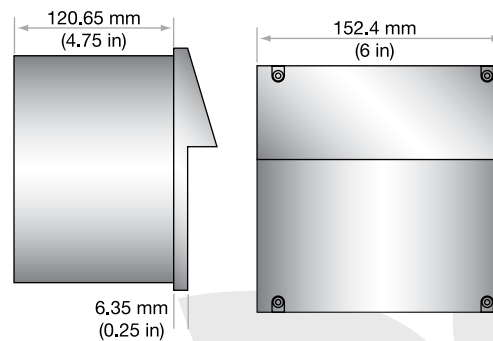


Δtolerance +/- 5%

Dimensions



InSight-1

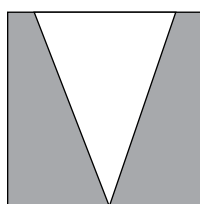


InSight-2

Performance

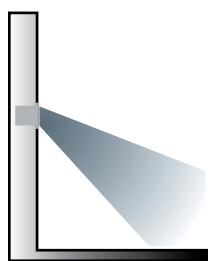
| Model | Connected Wattage | Delivered Lumens | |
|-----------|-------------------|------------------|-----|
| | | 3K | 4K |
| InSight-1 | 6 | 263 | 338 |
| InSight-2 | 6 | 205 | 264 |

Optics

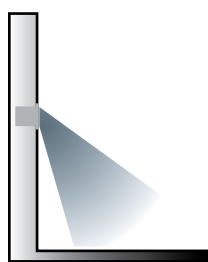


40° x 40°
flood

Orientation Options



InSight-1



InSight-2

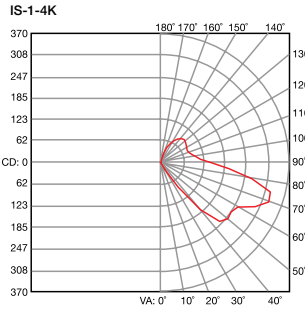
System Efficacy to

In outdoor site lighting, luminaires are compact, with little room for efficient optics and little area to allow conventional lamps to deliver directional control without blocking their own output. LEDs, however, are directional in nature and require little space for efficient optical control. LEDs cannot block their own light output resulting in higher total efficiency and greater directional performance.

| | Product | Initial Performance | | | Mean Performance | | |
|-------|------------------|---------------------|---------------|------------------|------------------|---------------|------------------|
| | | Fixture Lumens | Fixture Watts | Fixture Efficacy | Fixture Lumens | Fixture Watts | Fixture Efficacy |
| SSL | IS-1-4K | 338 | 6 | 56.3 | 288 | 6 | 48.0 |
| | IS-2-4K | 264 | 6 | 44.0 | 224 | 6 | 37.3 |
| Conv. | 13W TT Flr. Step | 270 | 15 | 18.0 | 230 | 15 | 15.3 |
| | 35W Halogen Step | 179 | 37 | 4.8 | 144 | 37 | 3.9 |

Photometry

Candlepower Curve



Zonal Lumen Summary

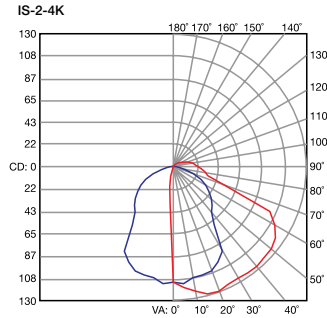
| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 1 | 0% | 0% |
| 0-40 | 10 | 2% | 3% |
| 0-60 | 95 | 22% | 28% |
| 60-90 | 142 | 33% | 42% |
| 0-90 | 237 | 55% | 70% |
| 90-180 | 101 | 24% | 30% |
| 0-180 | 338 | 79% | 100% |

Efficiency Total: 79%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 18 | 5% |
| 10-20 | 0 | 0% | 100-110 | 16 | 5% |
| 20-30 | 1 | 0% | 110-120 | 15 | 5% |
| 30-40 | 9 | 3% | 120-130 | 16 | 5% |
| 40-50 | 32 | 9% | 130-140 | 16 | 5% |
| 50-60 | 54 | 16% | 140-150 | 12 | 4% |
| 60-70 | 62 | 18% | 150-160 | 7 | 2% |
| 70-80 | 51 | 15% | 160-170 | 2 | 1% |
| 80-90 | 29 | 9% | 170-180 | 0 | 0% |

Candlepower Curve



Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 61 | 19% | 23% |
| 0-40 | 99 | 31% | 38% |
| 0-60 | 181 | 56% | 69% |
| 60-90 | 66 | 21% | 25% |
| 0-90 | 247 | 77% | 94% |
| 90-180 | 17 | 5% | 6% |
| 0-180 | 264 | 82% | 100% |

Efficiency Total: 82%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 9 | 3% | 90-100 | 7 | 3% |
| 10-20 | 21 | 8% | 100-110 | 5 | 2% |
| 20-30 | 31 | 12% | 110-120 | 3 | 1% |
| 30-40 | 38 | 14% | 120-130 | 1 | 1% |
| 40-50 | 41 | 15% | 130-140 | 1 | 0% |
| 50-60 | 41 | 16% | 140-150 | 0 | 0% |
| 60-70 | 36 | 14% | 150-160 | 0 | 0% |
| 70-80 | 20 | 7% | 160-170 | 0 | 0% |
| 80-90 | 11 | 4% | 170-180 | 0 | 0% |

Linear

Power/Control

Downlite

Deco

StepLite

InGrade

SiteLite

163



InValo

Recessed Lens Low Profile Steplight

- 3K or 4K uniform white light application
- Emergency battery backup available
- High louver cutoff to reduce glare
- Die cast aluminum for maximum durability
- Four standard colors and custom finish options
- 120 - 277VAC line voltage connection



Catalog Number

| model | color temperature | finish | options | accessories |
|-------|------------------------------------|---|-------------|--------------------------------------|
| IVA | 3K - Warm White 4K - Cool White | BK - Black BZ - Bronze CC - Custom Color SL - Silver WH - White | EC - E-Coat | EMR - Emergency Backup-Remote (120V) |

Specifications

| item | specifications | details |
|-----------------------|-----------------------------|---|
| Output | beam spread | 60° |
| | lumens | 325 |
| | LEDs | 4 |
| | 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 | 9W |
| | RFI | EMC |
| | reverse polarity protection | integral |
| Physical | dimensions (l x w x h) | 13" x 4 1/4" x 5" |
| | weight | 6 lbs |
| | housing | die cast aluminum |
| | lens | tempered clear glass |
| | junction temperature | 71°C @ T _a 25°C |
| operating temperature | -20°C to 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, high pressure die cast aluminum construction. IP65 rated for wet locations. Lens is heat resistant, clear, tempered glass. Emergency battery backup remote up to 25W also available.

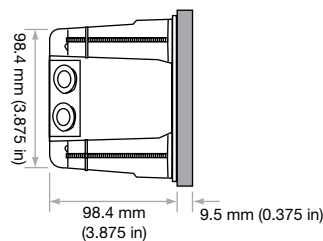
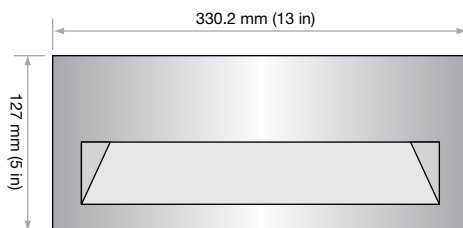
Power Supply Requirements

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



Δtolerance +/- 5%

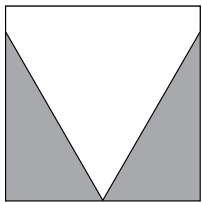
Dimensions



Performance

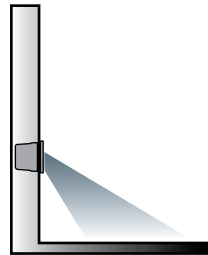
| Model | Connected Wattage | Delivered Lumens | |
|--------|-------------------|------------------|-----|
| | | 3K | 4K |
| InValo | 9 | 253 | 324 |

Optics



60° x 60°
flood

Orientation Options



Linear

Power/Control

Downlite

Deco

StepLite

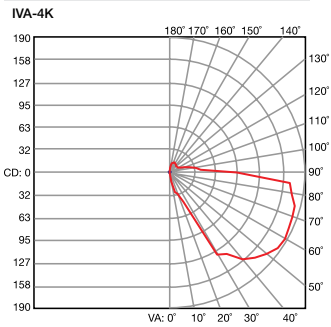
InGrade

SticLite

166

Photometry

Candlepower Curve



Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 9 | 2% | 3% |
| 0-40 | 32 | 7% | 10% |
| 0-60 | 118 | 28% | 36% |
| 60-90 | 160 | 38% | 50% |
| 0-90 | 278 | 65% | 86% |
| 90-180 | 47 | 11% | 14% |
| 0-180 | 324 | 76% | 100% |

Efficiency Total: 76%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 17 | 5% |
| 10-20 | 2 | 1% | 100-110 | 8 | 3% |
| 20-30 | 7 | 2% | 110-120 | 5 | 2% |
| 30-40 | 22 | 7% | 120-130 | 4 | 1% |
| 40-50 | 37 | 11% | 130-140 | 4 | 1% |
| 50-60 | 49 | 15% | 140-150 | 4 | 1% |
| 60-70 | 55 | 17% | 150-160 | 3 | 1% |
| 70-80 | 56 | 17% | 160-170 | 1 | 0% |
| 80-90 | 49 | 15% | 170-180 | 0 | 0% |

Linear

Power/Control

Downlite

Deco

StepLite

InGrade

SiteLite

167






Influx-9 / Influx-11 / Influx-19

Recessed Lens Low Profile Steplight

- 3K or 4K uniform white light application
- 9", 11" and 19" sizes for any application requirement
- 316 stainless steel trim
- Die cast aluminum for maximum durability
- Custom laser available
- 120-277VAC line voltage connection



Catalog Number

| model | color temperature | accessories |
|---|---|---|
|  |  |  |
| IFX-9 | 3K - Warm White | LSR - Custom Laser |
| IFX-11 | 4K - Cool White | EMR - Emergency |
| IFX-19 | | Backup-Remote (120V) |

Specifications

| item | specifications | details |
|----------------------|-----------------------------|--|
| Output | beam spread | open |
| | lumens | IFX-9 - 210 IFX-11 - 281 IFX-19 - 604 |
| | LEDs | IFX-9 - 3 IFX-11 - 4 IFX-19 - 8 |
| | driver efficiency | 94% |
| | lifetime | > 60,000 hours / L70 or better |
| Color | 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 |
| Electrical | input voltage | 120-277VAC |
| | power consumption | IFX-9 - 6W IFX-11 - 8W IFX-19 - 16W |
| | RFI | EMC (compatible and resistant) |
| | reverse polarity protection | integral |
| Physical | dimensions (l x w x h) | IFX-9 - 9½" x 3⅜" x 2⅞" IFX-11 - 11⅞" x 4⅝" x 2⅞" |
| | weight | IFX-9 - 4 lbs IFX-11 - 6 lbs IFX-19 - 8 lbs |
| | housing | die cast aluminum |
| | lens | opal tempered glass |
| | junction temperature | IFX-9 - 72°C IFX-11 - 71°C IFX-19 - 73°C @ T_A 25°C |
| | operating temperature | -20°C to 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, high pressure die cast aluminum construction with 316 grade stainless steel trim. Listed for wet location. IP65 rated for wet locations. Impact resistant, UV stabilized, white polycarbonate diffuser. Emergency battery backup remote up to 25W also available.

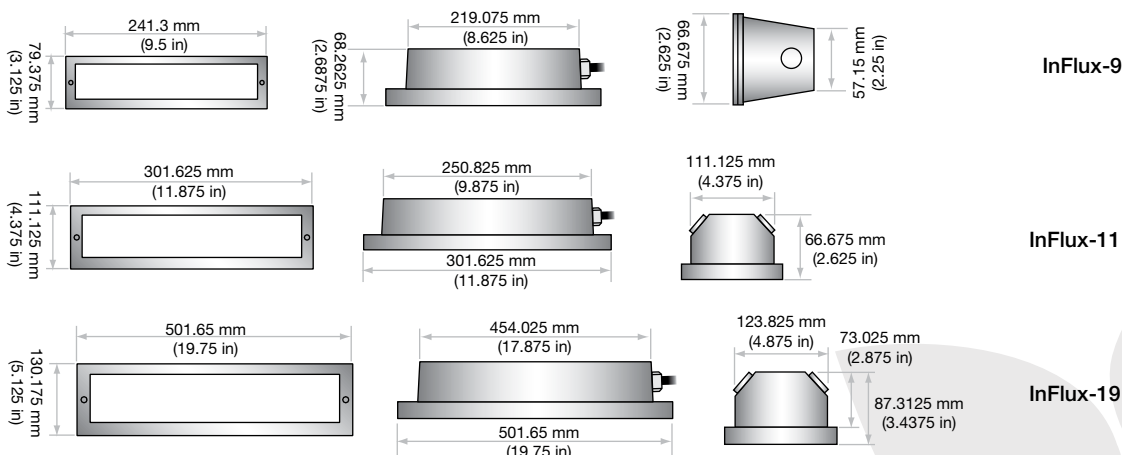
Power Supply Requirements

Integral inverter and driver potted with a variable input of voltage from 120V to 277VAC.



Δtolerance +/- 5%

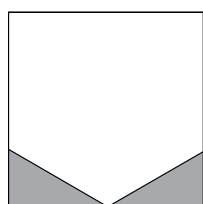
Dimensions



Performance

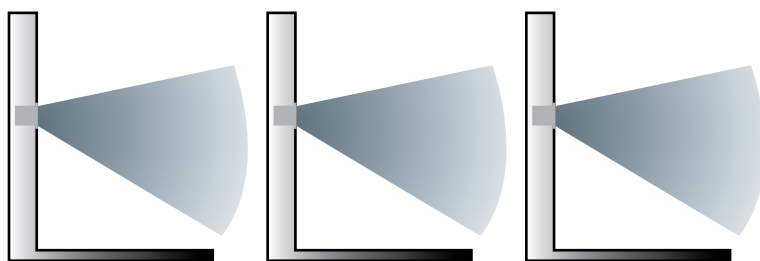
| Model | Connected Wattage | Delivered Lumens | |
|-----------|-------------------|------------------|-----|
| | | 3K | 4K |
| InFlux-9 | 6 | 163 | 210 |
| InFlux-11 | 8 | 219 | 281 |
| InFlux-19 | 16 | 471 | 604 |

Optics



120° x 120° wash

Orientation Options



InFlux-9

InFlux-11

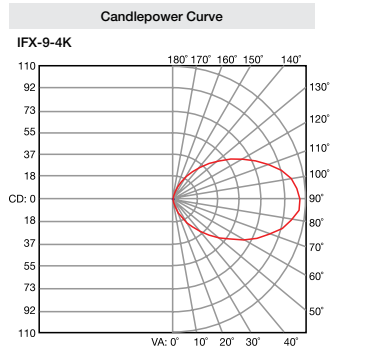
InFlux-19

System Efficacy to

In outdoor site lighting, luminaires are compact, with little room for efficient optics and little area to allow conventional lamps to deliver directional control without blocking their own output. LEDs, however, are directional in nature and require little space for efficient optical control. LEDs cannot block their own light output resulting in higher total efficiency and greater directional performance.

| Product | Initial Performance | | | Mean Performance | | | |
|---------|---------------------|---------------|------------------|------------------|---------------|------------------|------|
| | Fixture Lumens | Fixture Watts | Fixture Efficacy | Fixture Lumens | Fixture Watts | Fixture Efficacy | |
| SSL | IFX-11-4K | 281 | 8 | 40.1 | 239 | 7 | 34.1 |
| | IFX-19-4K | 604 | 16 | 54.9 | 513 | 11 | 46.6 |
| Conv. | 13W TT Flr. Step | 360 | 15 | 24.0 | 289 | 15 | 19.3 |
| | 50W Halogen Step | 425 | 52 | 8.2 | 382 | 52 | 7.3 |

Photometry



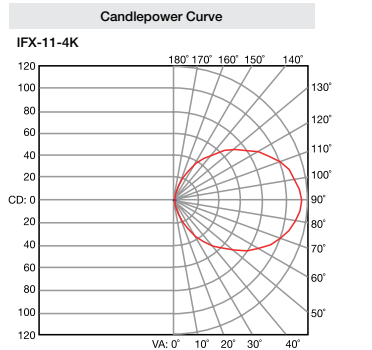
Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 3 | 1% | 1% |
| 0-40 | 8 | 2% | 4% |
| 0-60 | 30 | 9% | 14% |
| 60-90 | 75 | 23% | 36% |
| 0-90 | 105 | 33% | 50% |
| 90-180 | 105 | 33% | 50% |
| 0-180 | 210 | 65% | 100% |

Efficiency Total: 65%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 29 | 14% |
| 10-20 | 1 | 0% | 100-110 | 26 | 12% |
| 20-30 | 2 | 1% | 110-120 | 20 | 10% |
| 30-40 | 5 | 2% | 120-130 | 14 | 7% |
| 40-50 | 9 | 4% | 130-140 | 9 | 4% |
| 50-60 | 14 | 7% | 140-150 | 5 | 2% |
| 60-70 | 20 | 10% | 150-160 | 2 | 1% |
| 70-80 | 26 | 12% | 160-170 | 1 | 0% |
| 80-90 | 29 | 14% | 170-180 | 0 | 0% |



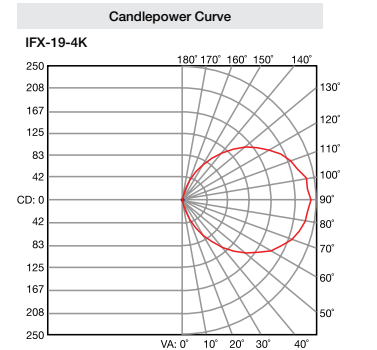
Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 5 | 1% | 2% |
| 0-40 | 13 | 3% | 5% |
| 0-60 | 48 | 11% | 17% |
| 60-90 | 93 | 22% | 33% |
| 0-90 | 141 | 33% | 50% |
| 90-180 | 140 | 33% | 50% |
| 0-180 | 281 | 66% | 100% |

Efficiency Total: 66%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 35 | 12% |
| 10-20 | 1 | 0% | 100-110 | 32 | 11% |
| 20-30 | 4 | 1% | 110-120 | 27 | 10% |
| 30-40 | 8 | 3% | 120-130 | 20 | 7% |
| 40-50 | 14 | 5% | 130-140 | 14 | 5% |
| 50-60 | 20 | 7% | 140-150 | 8 | 3% |
| 60-70 | 27 | 10% | 150-160 | 4 | 1% |
| 70-80 | 32 | 11% | 160-170 | 1 | 0% |
| 80-90 | 35 | 12% | 170-180 | 0 | 0% |



Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 10 | 1% | 2% |
| 0-40 | 27 | 3% | 4% |
| 0-60 | 100 | 12% | 17% |
| 60-90 | 202 | 24% | 33% |
| 0-90 | 320 | 35% | 50% |
| 90-180 | 302 | 35% | 50% |
| 0-180 | 604 | 71% | 100% |

Efficiency Total: 71%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 75 | 12% |
| 10-20 | 2 | 0% | 100-110 | 69 | 11% |
| 20-30 | 7 | 1% | 110-120 | 58 | 10% |
| 30-40 | 17 | 3% | 120-130 | 44 | 7% |
| 40-50 | 30 | 5% | 130-140 | 30 | 5% |
| 50-60 | 44 | 7% | 140-150 | 17 | 3% |
| 60-70 | 58 | 10% | 150-160 | 7 | 1% |
| 70-80 | 69 | 11% | 160-170 | 2 | 0% |
| 80-90 | 75 | 12% | 170-180 | 0 | 0% |



Infusion-9 / Infusion-11 / Infusion-19

Recessed Wall Louvered Low Profile Steplight

- 3K or 4K uniform white light application
- 9", 11" and 19" sizes for any application requirement
- Louvered face plate reduces brightness
- Die cast aluminum for maximum durability
- Four standard colors and custom finish options
- 120-277VAC line voltage connection



Catalog Number

| model | color temperature | finish | options | accessories |
|-------|-------------------|-------------------|-------------|----------------------|
| IF-9 | 3K - Warm White | BK - Black | EC - E-Coat | EMR - Emergency |
| IF-11 | 4K - Cool White | BZ - Bronze | | Backup-Remote (120V) |
| IF-19 | | CC - Custom Color | | |
| | | SL - Silver | | |
| | | WH - White | | |

Specifications

| item | specifications | details |
|---------------|-----------------------------|---|
| Output | beam spread | open |
| | lumens | IF-9 - 137 IF-11 - 212 IF-19 - 424 |
| | LEDs | IF-9 - 3 IF-11 - 4 IF-19 - 8 |
| | 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 | IF9 - 6W IF11 - 8W IF19 - 16W |
| | RFI | EMC (compatible and resistant) |
| | reverse polarity protection | integral |
| Control | power supply | by others |
| Physical | dimensions (l x w x h) | IF-9 - 9½" x 2¼" x 2¼" IF-11 - 11½" x 4¾" x 2¾" |
| | weight | IF-9 - 4 lbs IF-11 - 6 lbs IF-19 - 8 lbs |
| | housing | extruded & die cast aluminum |
| | lens | tempered glass |
| | junction temperature | 79°C @ T _A 25°C |
| | operating temperature | -20°C to 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 |

Δtolerance +/- 5%



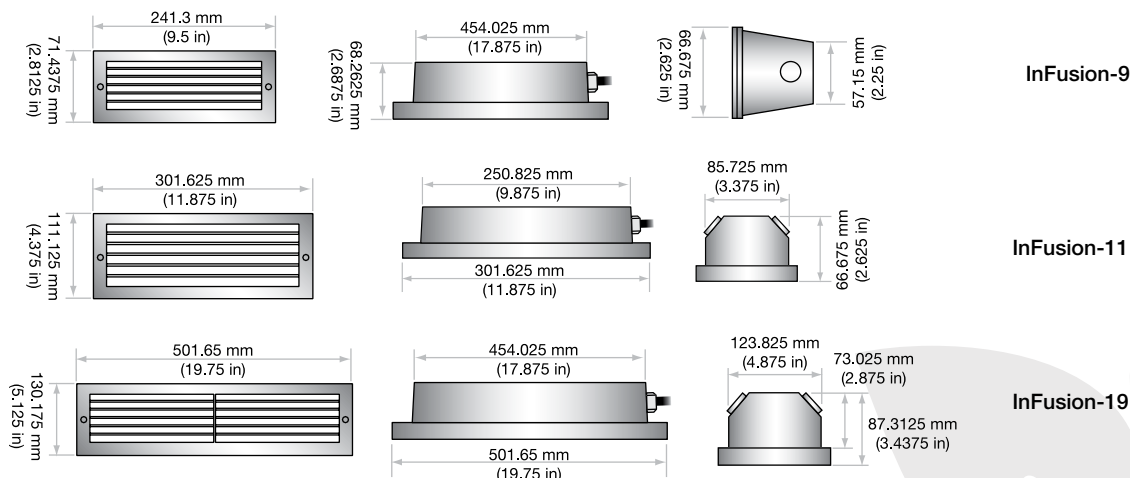
Construction

Marine grade, corrosion resistant, heavy walled, high pressure die cast aluminum construction. Listed for wet location. IP65 rated for wet locations. Lens is heat resistant, clear, tempered glass. Emergency battery backup remote up to 25W also available.

Power Supply Requirements

Integral inverter and driver potted with a variable input of voltage from 120V to 277VAC.

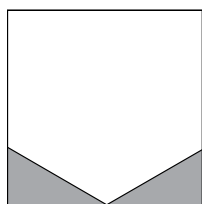
Dimensions



Performance

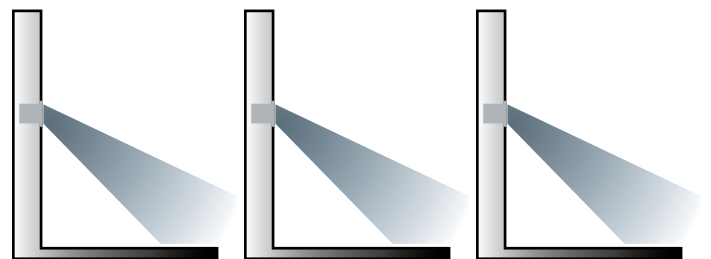
| Model | Connected Wattage | Delivered Lumens | |
|-------------|-------------------|------------------|-----|
| | | 3K | 4K |
| InFusion-9 | 6 | 106 | 137 |
| InFusion-11 | 8 | 165 | 212 |
| InFusion-19 | 16 | 330 | 424 |

Optics



120° x 120° wash

Orientation Options



InFusion-9

InFusion-11

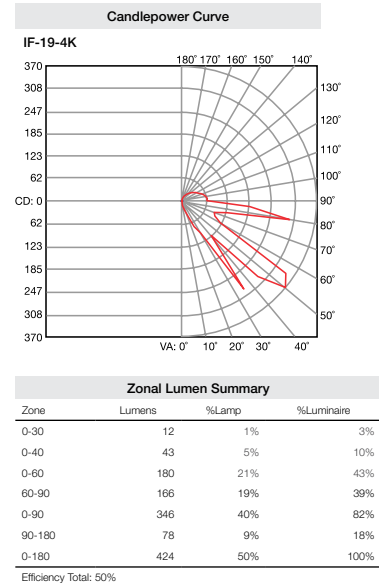
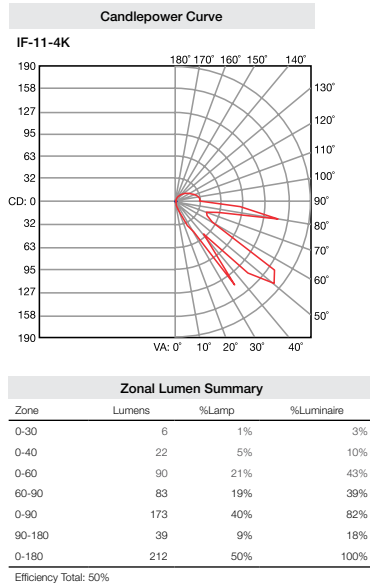
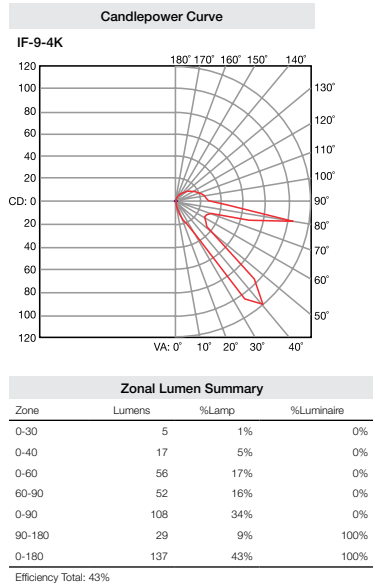
InFusion-13

System Efficacy to

In outdoor site lighting, luminaires are compact, with little room for efficient optics and little area to allow conventional lamps to deliver directional control without blocking their own output. LEDs, however, are directional in nature and require little space for efficient optical control. LEDs cannot block their own light output resulting in higher total efficiency and greater directional performance.

| | Product | Initial Performance | | | Mean Performance | | |
|-------|------------------|---------------------|---------------|------------------|------------------|---------------|------------------|
| | | Fixture Lumens | Fixture Watts | Fixture Efficacy | Fixture Lumens | Fixture Watts | Fixture Efficacy |
| SSL | IF-11-4K | 212 | 8 | 30.3 | 180 | 7 | 25.7 |
| | IF-19-4K | 424 | 16 | 38.5 | 360 | 11 | 32.7 |
| Conv. | 13W TT Flr. Step | 270 | 15 | 18.0 | 230 | 15 | 15.3 |
| | 35W Halogen Step | 179 | 37 | 4.8 | 144 | 37 | 3.9 |

Photometry



Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 9 | 6% |
| 10-20 | 1 | 1% | 100-110 | 7 | 5% |
| 20-30 | 3 | 2% | 110-120 | 5 | 4% |
| 30-40 | 12 | 9% | 120-130 | 4 | 3% |
| 40-50 | 22 | 16% | 130-140 | 2 | 2% |
| 50-60 | 17 | 12% | 140-150 | 1 | 1% |
| 60-70 | 13 | 10% | 150-160 | 1 | 1% |
| 70-80 | 19 | 14% | 160-170 | 0 | 0% |
| 80-90 | 20 | 15% | 170-180 | 0 | 0% |

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 11 | 5% |
| 10-20 | 1 | 1% | 100-110 | 9 | 4% |
| 20-30 | 5 | 2% | 110-120 | 7 | 3% |
| 30-40 | 15 | 7% | 120-130 | 5 | 2% |
| 40-50 | 27 | 13% | 130-140 | 3 | 2% |
| 50-60 | 41 | 20% | 140-150 | 2 | 1% |
| 60-70 | 28 | 13% | 150-160 | 1 | 0% |
| 70-80 | 25 | 12% | 160-170 | 0 | 0% |
| 80-90 | 30 | 14% | 170-180 | 0 | 0% |

Lumens Per Zone

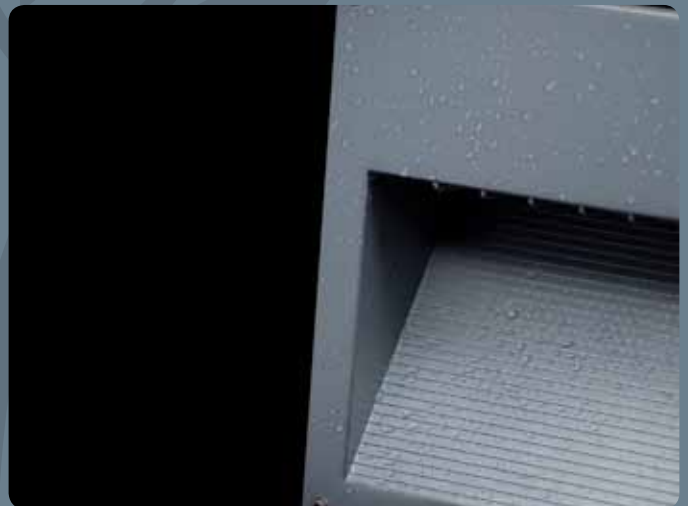
| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 23 | 5% |
| 10-20 | 3 | 1% | 100-110 | 18 | 4% |
| 20-30 | 9 | 2% | 110-120 | 14 | 3% |
| 30-40 | 31 | 7% | 120-130 | 10 | 2% |
| 40-50 | 54 | 13% | 130-140 | 7 | 2% |
| 50-60 | 83 | 20% | 140-150 | 4 | 1% |
| 60-70 | 56 | 13% | 150-160 | 2 | 0% |
| 70-80 | 50 | 12% | 160-170 | 1 | 0% |
| 80-90 | 61 | 14% | 170-180 | 0 | 0% |








InDiglo-5 / InDiglo-9 / Indiglo-13

Recessed Wall Low Brightness Steplight

- 3K or 4K uniform white light application
- 5", 9" and 12" sizes for any application requirement
- Recessed lens conceals light source for maximum brightness
- Die cast aluminum for maximum durability
- Four standard colors and custom finish
- 120-277VAC line voltage connection



Catalog Number

| model | color temperature | finish | options | accessories |
|---|---|---|---|---|
|  |  |  |  |  |
| IDG-5 | 3K - Warm White | BK - Black | EC - E-Coat | EMR - Emergency |
| IDG-9 | 4K - Cool White | BZ - Bronze | | Backup-Remote (120V) |
| IDG-13 | | CC - Custom Color | | |
| | | SL - Silver | | |
| | | WH - White | | |

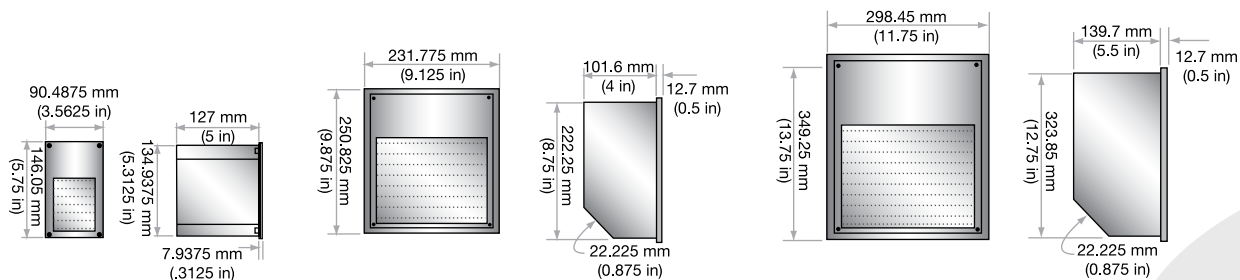
Specifications

| item | specifications | details |
|----------------------|-----------------------------|---|
| Output | beam spread | asymmetrical (avail. on IDG9 and IDG13 only) |
| | lumens | IDG-5 - 168 IDG-9 - 679 IDG-13 - 933 |
| | LEDs | IDG-5 - 2 IDG-9 - 6 IDG-13 - 8 |
| | driver efficiency | 94% |
| | lifetime | > 60,000 hours / L70 or better |
| Color | 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 |
| Electrical | input voltage | 120-277VAC |
| | power consumption | IDG-5 - 5W IDG-9 - 15W IDG-13 - 20W |
| | RFI | EMC (compatible and resistant) |
| | reverse polarity protection | integral |
| Control | power supply | by others |
| Physical | dimensions (l x w x h) | IDG-5 - 5¼" x 3⅜" x 5⅝" IDG-9 - 9⅞" x 9⅞" x 4½" |
| | weight | IDG-5 - 4 lbs IDG-9 - 6 lbs IDG-13 - 8 lbs |
| | housing | extruded & die cast aluminum |
| | lens | tempered glass |
| | junction temperature | 87°C @ T _A 25°C |
| Documentation | operating temperature | -20°C to 50°C |
| | certifications | ETL / cETL |
| | standards | UL-Class II, IES LM-79, LM-80 |
| Warranty | IP rating | IP65 |
| | 5 year limited warranty | See website for details |



Δtolerance +/- 5%

Dimensions



InDiglo-5

InDiglo-9

InDiglo-13



Construction

Marine grade, corrosion resistant, heavy walled, high pressure die cast aluminum construction. Captive stainless steel tamper resistant fasteners with channeled silicone gasket for secure seal. IP65 rating. Lens is 1/8" thick tempered, clear, heat resistant glass. Emergency battery backup remote up to 25W also available.

Power Supply Requirements

Integral Class II power supply with variable input from 120 to 277VAC.

Linear

Power/Control

Downlite

Deco

StepLite

InGrade

SiteLite

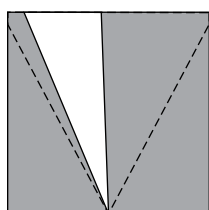
177

Performance

| Model | Connected Wattage | Delivered Lumens | |
|------------|-------------------|------------------|-----|
| | | 3K | 4K |
| InDiglo-5 | 5 | 131 | 168 |
| InDiglo-9 | 15 | 529 | 679 |
| InDiglo-13 | 20 | 727 | 933 |

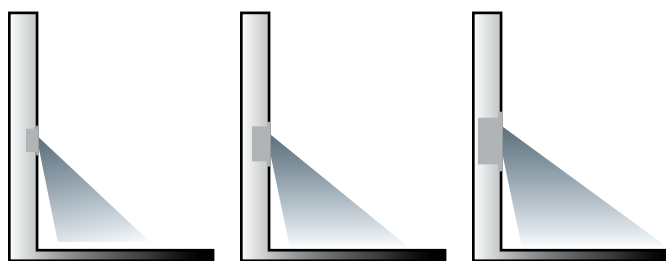
Δbased on 85% efficient power supply

Optics



21° x 56°
asymmetrical

Orientation Options



InDiglo-5

InDiglo-9

InDiglo-13

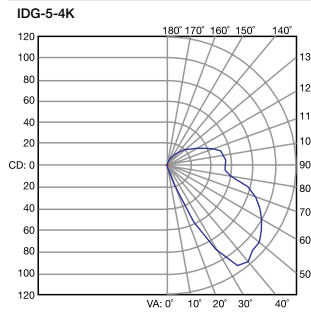
System Efficacy to

In outdoor site lighting, luminaires are compact, with little room for efficient optics and little area to allow conventional lamps to deliver directional control without blocking their own output. LEDs, however, are directional in nature and require little space for efficient optical control. LEDs cannot block their own light output resulting in higher total efficiency and greater directional performance.

| | Product | Initial Performance | | | Mean Performance | | |
|-------|--------------|---------------------|---------------|------------------|------------------|---------------|------------------|
| | | Fixture Lumens | Fixture Watts | Fixture Efficacy | Fixture Lumens | Fixture Watts | Fixture Efficacy |
| SSL | IDG-9-4K | 679 | 14 | 48.5 | 577 | 14 | 41.2 |
| | IDG-13-4K | 933 | 20 | 46.7 | 793 | 20 | 39.7 |
| Conv. | 42W CFL Step | 650 | 45 | 14.4 | 553 | 45 | 12.3 |
| | 39MH Step | 1020 | 43 | 23.7 | 765 | 43 | 17.8 |

Photometry

Candlepower Curve



Zonal Lumen Summary

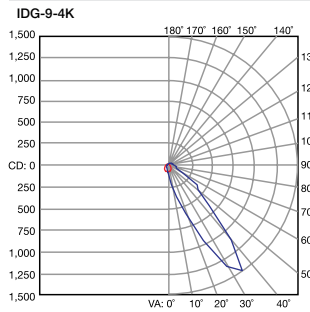
| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 6 | 2% | 3.6% |
| 0-40 | 20 | 7% | 12% |
| 0-60 | 59 | 21% | 35% |
| 60-90 | 57 | 20% | 34% |
| 0-90 | 116 | 42% | 69% |
| 90-180 | 52 | 19% | 31% |
| 0-180 | 168 | 60% | 100% |

Efficiency Total: 61%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 0 | 0% | 90-100 | 15 | 9% |
| 10-20 | 1 | 0% | 100-110 | 13 | 8% |
| 20-30 | 5 | 3% | 110-120 | 10 | 6% |
| 30-40 | 14 | 8% | 120-130 | 7 | 4% |
| 40-50 | 19 | 11% | 130-140 | 4 | 2% |
| 50-60 | 21 | 13% | 140-150 | 2 | 1% |
| 60-70 | 22 | 13% | 150-160 | 1 | 1% |
| 70-80 | 20 | 12% | 160-170 | 0 | 0% |
| 80-90 | 16 | 10% | 170-180 | 0 | 0% |

Candlepower Curve



Zonal Lumen Summary

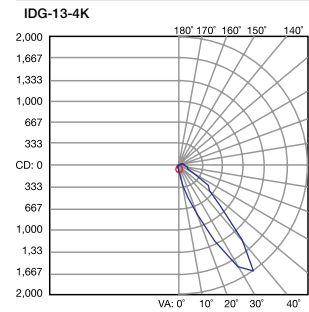
| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 167 | 21% | 23% |
| 0-40 | 248 | 43% | 48% |
| 0-60 | 580 | 72% | 80% |
| 60-90 | 105 | 13% | 15% |
| 0-90 | 685 | 85% | 95% |
| 90-180 | 39 | 5% | 5% |
| 0-180 | 724 | 89% | 100% |

Efficiency Total: 89%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 10 | 1% | 90-100 | 18 | 3% |
| 10-20 | 44 | 6% | 100-110 | 12 | 2% |
| 20-30 | 113 | 16% | 110-120 | 7 | 1% |
| 30-40 | 182 | 25% | 120-130 | 2 | 0% |
| 40-50 | 145 | 20% | 130-140 | 0 | 0% |
| 50-60 | 87 | 12% | 140-150 | 0 | 0% |
| 60-70 | 47 | 7% | 150-160 | 0 | 0% |
| 70-80 | 33 | 5% | 160-170 | 0 | 0% |
| 80-90 | 25 | 4% | 170-180 | 0 | 0% |

Candlepower Curve



Zonal Lumen Summary

| Zone | Lumens | %Lamp | %Luminaire |
|--------|--------|-------|------------|
| 0-30 | 218 | 20% | 23% |
| 0-40 | 455 | 42% | 48% |
| 0-60 | 759 | 70% | 80% |
| 60-90 | 137 | 13% | 15% |
| 0-90 | 896 | 83% | 95% |
| 90-180 | 50 | 5% | 5% |
| 0-180 | 946 | 88% | 100% |

Efficiency Total: 88%

Lumens Per Zone

| Zone | Lumens | %Total | Zone | Lumens | %Total |
|-------|--------|--------|---------|--------|--------|
| 0-10 | 13 | 1% | 90-100 | 23 | 3% |
| 10-20 | 57 | 6% | 100-110 | 15 | 2% |
| 20-30 | 148 | 16% | 110-120 | 9 | 1% |
| 30-40 | 237 | 25% | 120-130 | 3 | 0% |
| 40-50 | 190 | 20% | 130-140 | 0 | 0% |
| 50-60 | 114 | 12% | 140-150 | 0 | 0% |
| 60-70 | 62 | 7% | 150-160 | 0 | 0% |
| 70-80 | 44 | 5% | 160-170 | 0 | 0% |
| 80-90 | 32 | 3% | 170-180 | 0 | 0% |

Linear

Power/Control

Downlite

Deco

StepLite

InGrade

SiteLite

179

