ZANEEN®

INVADER DEEP TRIMLESS

A35621- __ - __ - __ - __ - __

| base number | LED Dimming | Color Temperature | Finishes (Diamond) | Ceiling Thickness | Reflector Options |

1.To build a product code in our configurator select the specify button on the base model # product page
2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL
Series: Invader Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL
Shape: Round
Diameter (mm): 71
Diameter (in): 2 $\frac{13}{16}$
Height (mm): 124
Height (in): 4 $\frac{7}{8}$
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 140
Min. Recessing Depth (in): 5 $\frac{1}{2}$
Light Distribution: Downlight
Weight (kg): 0.358
Weight (lbs): 0.79
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: ⌀ 79mm / 3 1/8"
Upon Request: Unique Sizes Unique Ceiling Thickness

ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 22
Total Output Wattage (W): 20
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: No
Driver Location: Recessed Housing
Driver Type: Constant Current - Universal
Driver Class: Class 2
Housing: See components
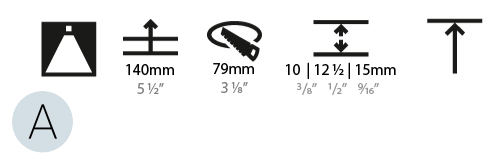Input Voltage (V): 120 - 277
Constant Current (MA): 500

LED
Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 1210 / 1260 / 1323 / 1350
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL
Reflector°: 20 / 40 / 60
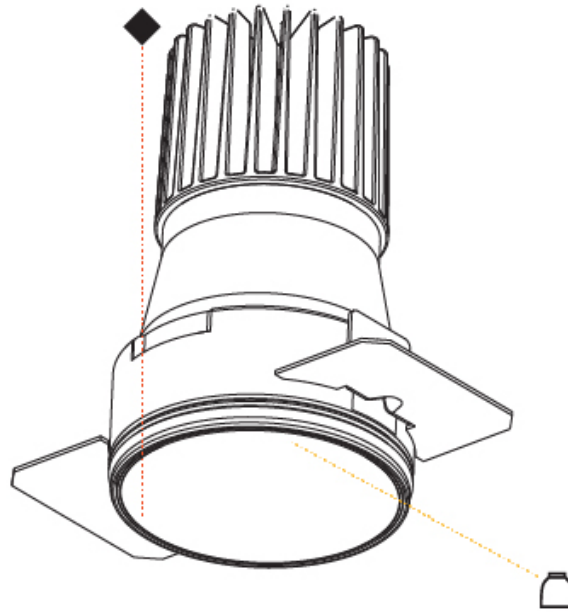
RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20

56mm 2 $\frac{3}{16}$"
Ø 71mm 2 $\frac{13}{16}$"
123mm 4 $\frac{13}{16}$"
124mm 4 $\frac{7}{8}$"

140mm 5 $\frac{1}{2}$"
79mm 3 $\frac{1}{8}$"
10 | 12 $\frac{1}{2}$ | 15mm $\frac{3}{8}$" | $\frac{1}{2}$" | $\frac{9}{16}$"

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INVADER DEEP TRIMLESS

A35621-

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INVADER DEEP TRIMLESS

A37915-   -   -

base number | Color Temperature | Finishes (Diamond) | Lens Options

1.To build a product code in our configurator select the specify button on the base model # product page
2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Invader Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Round
Diameter (mm): 39
Diameter (in): $1 \frac{9}{16}$
Height (mm): 58
Height (in): $2 \frac{5}{16}$
Ceiling Thickness (mm): 10 / 12 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): $5 \frac{7}{8}$
Weight (kg): 0.121
Weight (lbs): 0.27
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: ⌀ 45mm / 1 3/4"
Upon Request: Unique Sizes Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 2.2
Total Output Wattage (W): 2
Dimming: 0-10V Dimming / Phase Dimming (120Vac Only)
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - 120 / 277Vac
Input Voltage (V): 120 - 277
Constant Current (MA): 700

LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 160 / 170 / 176 / 180
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature

OPTICAL

Reflector°: 12 / 20 / 35
Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP20

58mm $2 \frac{5}{16}''$

⌀ 39mm $1 \frac{9}{16}''$

75mm $2 \frac{15}{16}''$

150mm $5 \frac{7}{8}''$ 45mm $1 \frac{3}{4}''$ 10 | 12 ½ | 15mm $\frac{3}{8}''$ | ½'' | $\frac{9}{16}''$

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INVADER DEEP TRIMLESS

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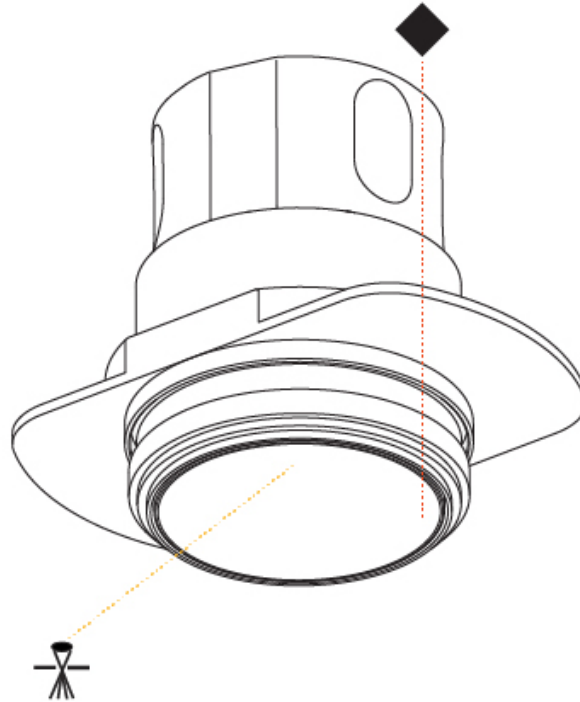
INVADER DEEP TRIMLESS

A37922- _ - _ - _

base number | Color Temperature | Finishes (Diamond) | Reflector Options

1.To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Invader Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Spots

PHYSICAL

Shape: Round
Diameter (mm): 39
Diameter (in): 1 9/16
Height (mm): 80
Height (in): 3 1/8
Ceiling Thickness (mm): 10 / 12 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): 5 7/8
Light Distribution: Downlight
Weight (kg): 0.143
Weight (lbs): 0.31
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum
Cut-out Measurements: ⌀ 45mm / 1 3/4"
Upon Request: Unique Sizes Unique Ceiling Thickness

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 7.7
Total Output Wattage (W): 6.8
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - 120 / 277Vac
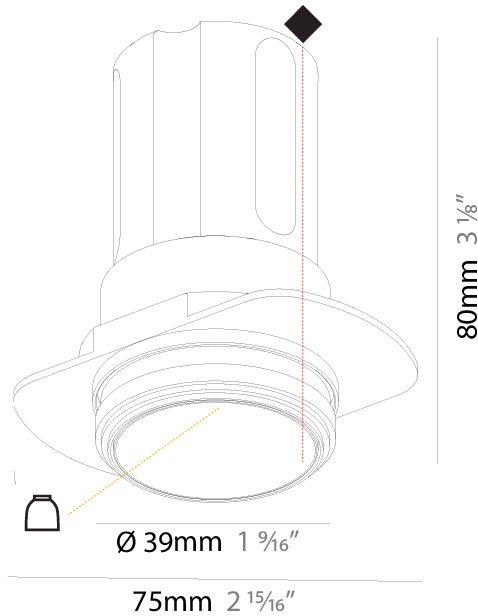Input Voltage (V): 120 - 277
Constant Current (MA): 250

LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 660 / 690 / 725 / 740
CRI: >90 CRI
Lamp Life (hrs): 50000
Upon Request: RGB-W Tunable White Special Color Temperature

OPTICAL

Reflector°: 33 / 47 / 65
Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP20

Ø 39mm 1 9/16"

75mm 2 15/16"

80mm 3 1/8"

150mm 5 7/8"

45mm 1 3/4"

10 | 12 1/2 | 15mm 3/8" | 1/2" | 9/16"

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Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.
In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

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INVADER DEEP TRIMLESS

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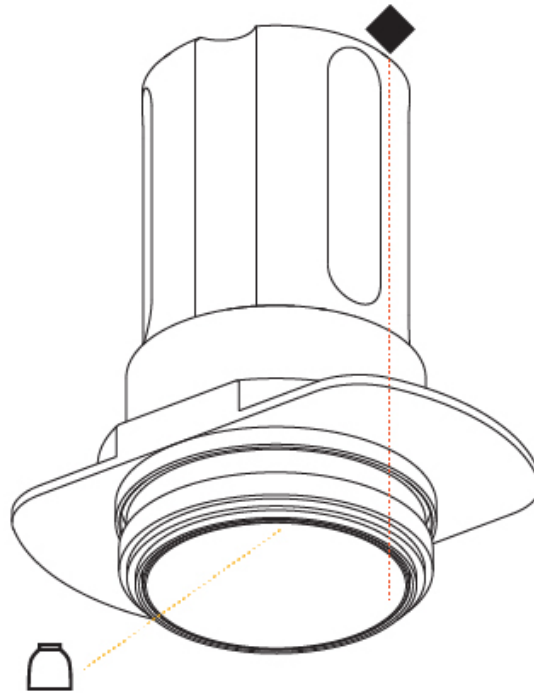
INVADER DEEP RECESSED

A37965- _____ - _____ - _____

base number | Color Temperature | Finishes (Diamond) | Lens Options

1.To build a product code in our configurator select the specify button on the base model # product page
2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Invader Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL

Shape: Round
Diameter (mm): 45
Diameter (in): 1 ¾
Height (mm): 62
Height (in): 2 ⁷⁄₁₆
Ceiling Thickness (mm): 10 / 12.5 / 15
Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): 5 ⁷⁄₈
Light Distribution: Downlight
Weight (kg): 0.104
Weight (lbs): 0.23
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum Die Cast
Cut-out Measurements: 41mm / 1 5/8"

ELECTRICAL

Lamp Type: LED
Input Wattage (W): 2.3
Total Output Wattage (W): 2
Dimming: Non-Dimmable
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 700
Upon Request: 0-10Vdc dimming / Phase dimming 120Vac

LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 160 / 170 / 176 / 180
Nominal Lumen (lm): 160 / 170 / 176 / 180
CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Optic°: 12 / 20 / 35

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP20

62mm 2 ⁷⁄₁₆"

Ø 45mm 1 ¾"

150mm 5 ⁷⁄₈"   41mm 1 ⅝"   10 - 15mm 3/8" - 9/16"

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A37965-

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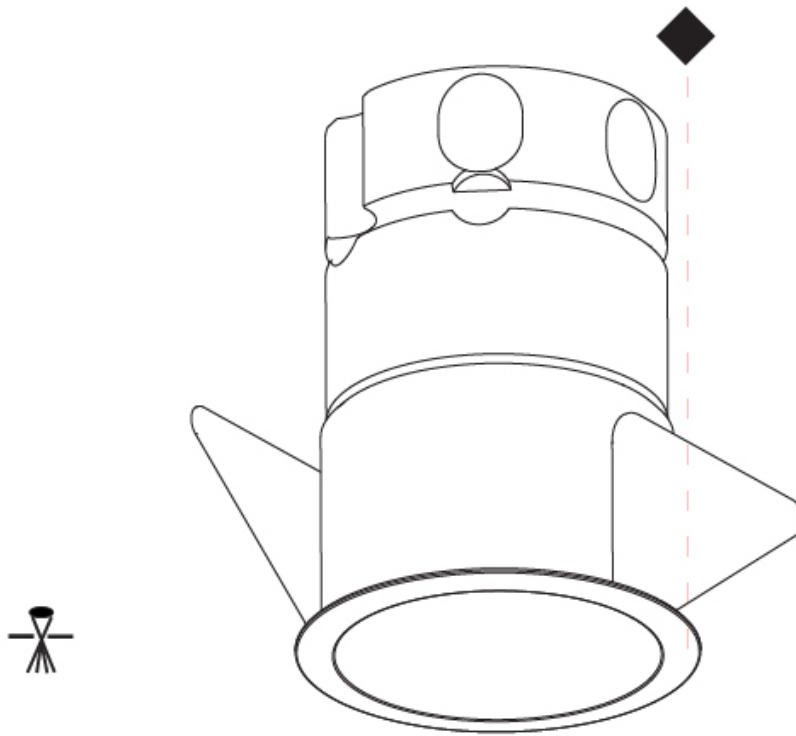
INVADER DEEP RECESSED

A37972- ___ - ___ - ___

base number   Color Temperature   Finishes (Diamond)   Reflector Options

1.To build a product code in our configurator select the specify button on the base model # product page
2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Series: Invader Deep
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL

Shape: Round
Diameter (mm): 45
Diameter (in): 1 ¾
Height (mm): 84
Height (in): 3 5/16
Min. Recessing Depth (mm): 150
Min. Recessing Depth (in): 5 7/8
Light Distribution: Downlight
Weight (kg): 0.122
Weight (lbs): 0.27
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR
Fixture Material: Aluminum Die Cast
Cut-out Measurements: Dia: 41mm / 1 5/8"

ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 7.7
Total Output Wattage (W): 7
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming
Driver Included: No
Driver Location: Remote
Driver Type: Constant Current - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 250

LED

Number of LEDs: 1
Color Temperature (°K): 2700 / 3000 / 3500 / 4000
Max. Delivered Lumen (lm): 660 / 690 / 725 / 740
Nominal Lumen (lm): 734 / 762 / 801 / 817
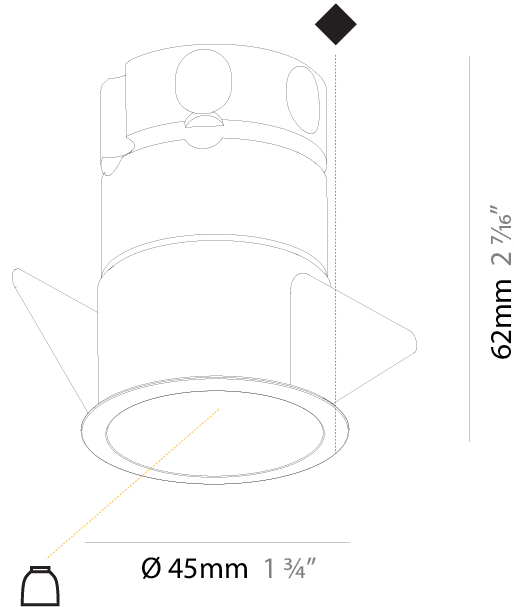CRI: >90 CRI
Lamp Life (hrs): 50000

OPTICAL

Reflector°: 33 / 47 / 65

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards
IP rating: IP20

Ø 45mm   1 ¾"

84mm   3 5/16"

150mm 5 7/8"   41mm 1 5/8"   10 - 15mm 3/8"- 9/16"

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INVADER DEEP RECESSED

A37972-

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ZANEEN®
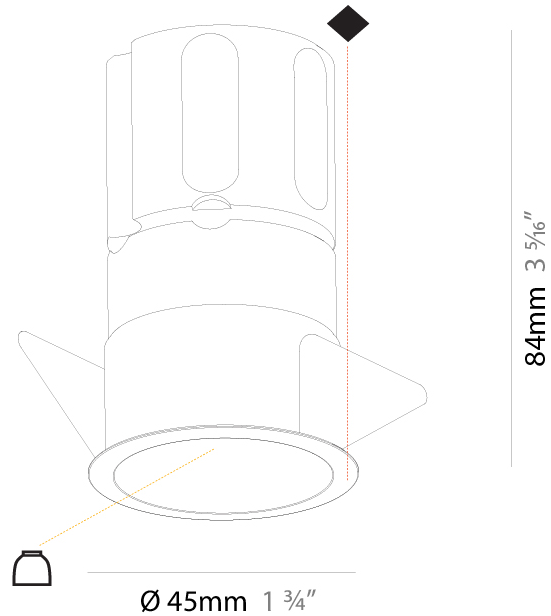
INVADER DEEP
COLOR FINISH CHART

Fixture Finish

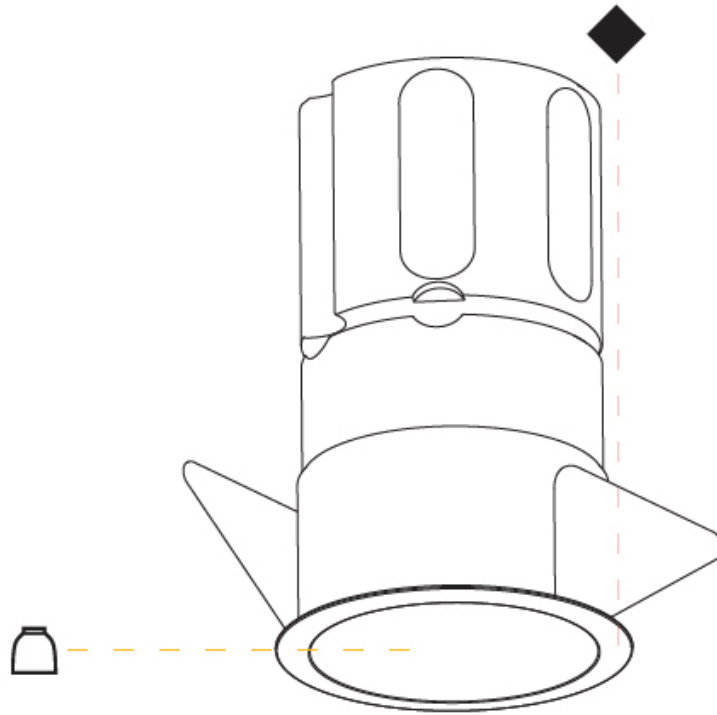|					
Sparkling Silver - 01 (SSR)	Black Velvet - 02 (BKV)	Crystal White - 03 (CWI)	Creamy - 04 (CRY)	Hampton Bay - 05 (HAB)	Urban Forest - 07 (UFT)
In the Army - 08 (ITA)	Rusty Angel - 09 (RUA)	Fade to Gray - 12 (FTG)	Mysterious Gray - 13 (MYG)	Lost Dream - 15 (LOD)	Purple Sky - 16 (PUS)
Fresh Oh - 17 (FRO)	Funky P. - 18 (FUP)	Kissing Aphrodite - 19 (KIA)	Poseidon's Paradise - 20 (POP)	Blue Sky - 21 (BLS)	Spring Green - 22 (SPG)
Mellow Yellow - 23 (MEY)	Golden Heart - 24 (GOH)	Gun Metal - 25 (GUM)	Champagne Cream - 26 (CHC)	Copper Mine - 27 (COM)	Ancient Bronze - 28 (ABZ)
Jazz Gold - 29 (JAG)	Olive Breeze - 30 (OBR)	Moonlight Silver - 31 (MOS)	Rosewood Red - 32 (ROR)		

Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens.
Physical: When texture is involved, there will be variations in color, character and tone within a product series and between product families.

Gun Metal: No Gun Metal finish is alike. It combines a mixture of transparent and black color particles which ensures a highly individual effect and no luminaire being identical.
Champagne Cream, Copper Mine, Ancient Bronze + Jazz Gold: These finishes have slight fading from specific powder coating production. Each luminaire will slightly vary.

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INVADER DEEP

LEGEND

Symbol	Description	Symbol	Description	Symbol	Description
↓	floor-mounted	⬎	pivotable	✳	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
↗	wall and ceiling: recessed and surface mounted	↻	rotating	☼	warm dim / natural dimming LED
↑	ceiling-mounted and wall-mounted	⟋	illuminate tilted	🔋	rechargeable battery powered
→	wall-mounted	⊥	color of suspension cable		fixture with natural vivid LED (upon request)
⊻	omni-directional light distribution	↕	length of suspension cable	CRI	color rendering index
◢	direct light distribution	⌂	reflector degree selection	°K	color temperature
◨	direct/indirect light distribution	S|S	super spot	LM	lumen (luminous flux)
◣	indirect light distribution	⚚	lens	LM/W	efficacy (lumens per watt)
◹	asymmetric light distribution	⚇	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
◪	aura light distribution	◡	shine ring	⚓	marine grade (AISI 316 stainless steel)
⌔	round wall or ceiling cut-out	⊙	integrated shine ring with diffuser	⚓	walk on
⌕	square wall or ceiling cut-out	▮	free individual colors 01-29	🖊	drive on
⬚	the supplied jig specifies the cutout dimensions	Ⅽ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
⊕↔M	minimum distance (meters) lamp - object	◆	luminaire part to be colored (F1)	♿	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
⊥	recessed depth	▲	luminaire part to be colored (F2)		lamp protected against explosion
↕	ceiling thickness in mm	●	luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
⬆	ceiling thickness selection	■	luminaire part to be colored (F4)	◀))	acoustic material
▤	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	⬟	luminaire part to be colored (F5)	⎓	protection class I, protection insulation
▱	included or excluded LED driver/transformer/control gear	▪	color of 3-circuit adaptor	▢	protection class II, protection insulation
⚲	separately switchable	⦿	indirect diffuser	ETL	ETL Certified to UL and CSA Standards
📡	sensor	D	direct diffuser	UL	UL Certified to UL and CSA Standards
📱	remote control	⚽	ball-proof (upon request)	CSA	CSA Certified to UL and CSA Standards
☎	available upon request	⬭	accessory	Ⓩ	Certified for North American Standards

IP RATING

Rating	Description
IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

Rating	Description
IK01	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
IK03	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
IK06	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
IK08	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

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