

A35538-

base number

(Diamond)

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 Standard Brand: Prolicht Division: Architectural Mounting Type: Recessed Mounting Location: Ceiling

Subcategory: Downlight **PHYSICAL** Shape: Round Diameter (mm): 85 Diameter (in): 3 1/8 Height (mm): 105 Height (in): 4 1/8 Ceiling Thickness (mm): 5 - 30 Ceiling Thickness (in): 1/16 - 13/16 Min. Recessing Depth (mm): 110 Min. Recessing Depth (in): 4  $\frac{1}{16}$ Light Distribution: Downlight Weight (kg): 0.319 Weight (lbs): 0.7 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: D = 80mm / 3 1/8"

### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard) Total Output Wattage (W): 15 Dimming: Dali Dimming Driver Included: No Driver Location: Recessed Housing Housing: See components Input Voltage (V): 120 Constant Current (MA): 350

LED Number of LEDs: 1 Color Temperature (°K): Warm Dim Max. Delivered Lumen (lm): 760 Nominal Lumen (lm): 1140 CRI: >90 CRI Lamp Life (hrs): 50000

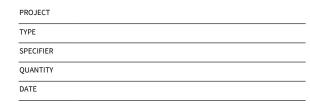
### OPTICAL

Reflector°: 20 / 40 / 60

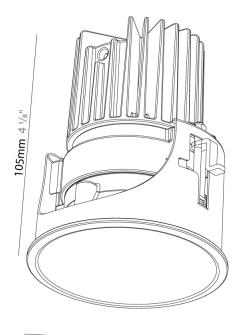
### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

IP rating: IP20







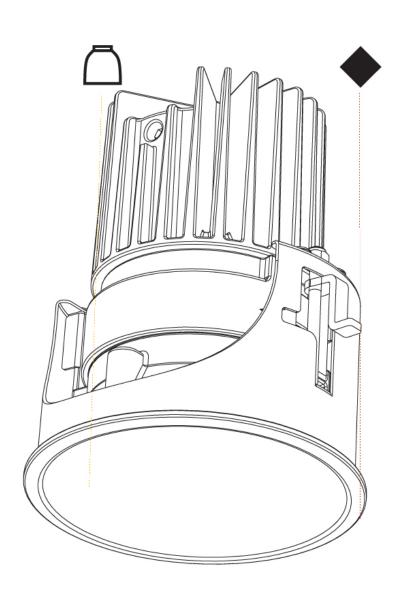
85mm 3 3/8"





A35538-

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base number

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

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#### **GENERAL**

Series: Invader Standard
Subseries: Invader Standard
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight

PHYSICAL	
Shape: Round	
Diameter (mm): 71	
Diameter (in): 2 <sup>13</sup> / <sub>16</sub>	
Height (mm): 99	
Height (in): 3 1/8	
Ceiling Thickness (mm): 10 / 12 5 / 15	

Ceiling Thickness (mm): 10 / 12.5 / 15

Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Min. Recessing Depth (mm): 115

Min. Recessing Depth (in): 4 ½

Light Distribution: Downlight

Weight (kg): 0.359

Weight (lbs): 0.79

Installation Requirement: Ceiling Thickness: 10mm / 12mm / 15mm

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)

Total Output Wattage (W): 14.7

Dimming: Dali Dimming

Driver Location: Recessed Housing

Driver Type: Constant Current - 120Vac

Housing: See Components

Input Voltage (V): 120

Constant Current (MA): 350

#### LED

Number of LEDs: 1

Color Temperature (°K): Warm Dim

Max. Delivered Lumen (lm): 770

CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: RGB-W Tunable White Special Color Temperature

#### **OPTICAL**

Reflector°: 20 / 40 / 60

Upon Request: Special Beam Angles

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards















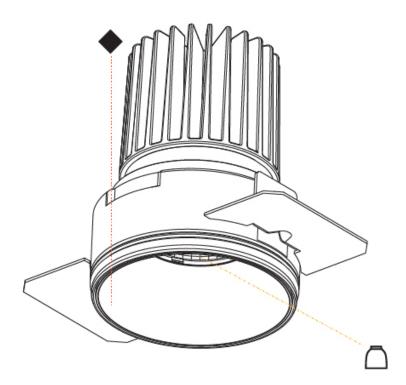






A35576-

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A35602-		-	-
base number	Color	Finishes	Reflector
	Temperature	(Diamond)	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 Standard	
Subseries: Invader Standard	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 85
Diameter (in): 3 <sup>3</sup> / <sub>8</sub>
Height (mm): 105
Height (in): 4 1/8
Ceiling Thickness (mm): 5 - 30
Min. Recessing Depth (mm): 110
Min. Recessing Depth (in): 4 5/16
Light Distribution: Downlight
Weight (kg): 0.322
Weight (lbs): 0.71
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG

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: Dia: 80mm 3 1/8"

### ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 14.3

Total Output Wattage (W): 13

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

Housing: See components

Input Voltage (V): 120 - 277

Constant Current (MA): 350

#### LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 870 / 910 / 951 / 970

Nominal Lumen (lm): 1304 / 1352 / 1421 / 1450

CRI: >90 CRI

Lamp Life (hrs): 50000

### OPTICAL

Reflector°: 20 / 40 / 60

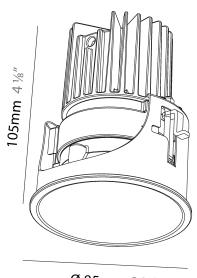
#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

IP rating: IP20







Ø 85mm 3 3/8"









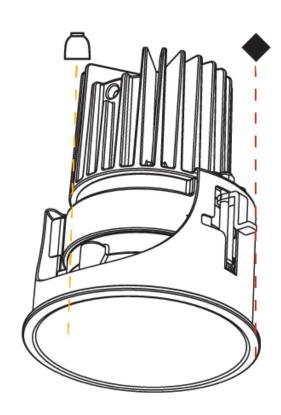






A35602-

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A35603		-	-
base number	Color	Finishes	Reflector

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 Standard	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

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Ν	Mounting Type: Recessed
M	Mounting Location: Ceiling
S	Subcategory: Downlight
P	PHYSICAL
S	Shape: Round
D	Diameter (mm): 85
D	Diameter (in): 3 <sup>3</sup> / <sub>8</sub>
H	Height (mm): 87
Н	Height (in): 3 1/16
C	Ceiling Thickness (mm): 10 / 12.5 / 15
C	Ceiling Thickness (in): 3/8 or 1/2 or 9/16
M	Min. Recessing Depth (mm): 90
L	ight Distribution: Downlight
۷	Veight (kg): 0.233
٧	Veight (lbs): 0.51
F	ixture Material: Aluminum Die Cast
C	Cut-out Measurements: Dia: 80mm 3 1/8"
E	ELECTRICAL

ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 9.9
Total Output Wattage (W): 9
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
Housing: See components
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): 650 / 680 / 715 /730	
Nominal Lumen (lm): 960 / 995 / 1046 / 1067	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
OPTICAL	

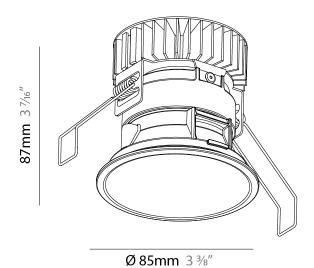
Reflector°: 20 / 40 / 60

### RATINGS AND CERTIFICATIONS

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

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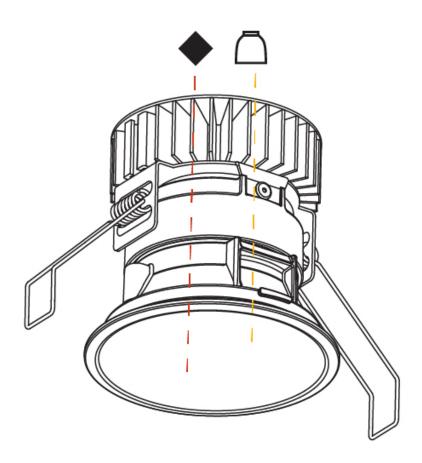






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Temperature (Diamond)

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

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#### **GENERAL**

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

**PHYSICAL** Shape: Round Diameter (mm): 85 Diameter (in): 3 1/8 Height (mm): 105 Height (in): 4 1/8 Ceiling Thickness (mm): 5 - 30

Ceiling Thickness (in): 3/16 - 13/16 Min. Recessing Depth (mm): 110 Min. Recessing Depth (in): 4  $\frac{5}{16}$ 

Light Distribution: Downlight Weight (kg): 0.322

Weight (lbs): 0.71 Installation Requirement: Non-insulated Ceiling only

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: D = 80mm / 3 1/8"

#### **ELECTRICAL**

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 14.3 Total Output Wattage (W): 13

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

Housing: See components

Input Voltage (V): 120 - 277 Constant Current (MA): 350

#### LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 880 / 920 / 960 / 990 Nominal Lumen (lm): 1304 / 1352 / 1421 / 1450

CRI: >90 CRI

Lamp Life (hrs): 50000

### OPTICAL

Reflector°: 20 / 42 / 60

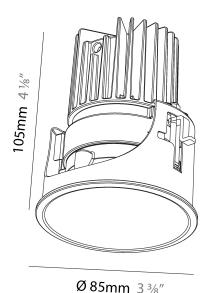
Adjustability: Fixed

### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

















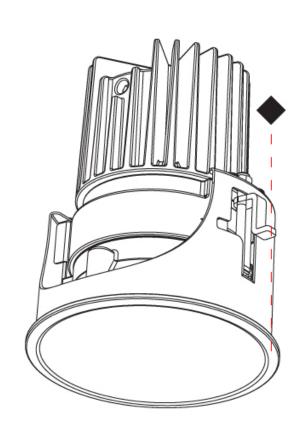






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DATE







A35826		-	-	-
base number	Color	Finishes	Ceiling	Reflector

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**

<del></del>
Series: Invader Standard
Brand: Prolicht
Division: Architectural
Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight

Mounting Location: Ceiling Subcategory: Downlight  PHYSICAL Shape: Round Diameter (mm): 71 Diameter (in): 2 <sup>13</sup> / <sub>16</sub> Depth (mm): 99 Depth (in): 3 <sup>7</sup> / <sub>8</sub> Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 115 Min. Recessing Depth (in): 4 <sup>1</sup> / <sub>2</sub> Light Distribution: Downlight Weight (kg): 0.342 Weight (lbs): 3/4 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	· · · · · · · · · · · · · · · · · · ·
PHYSICAL Shape: Round Diameter (mm): 71 Diameter (in): 2 <sup>13</sup> / <sub>16</sub> Depth (mm): 99 Depth (in): 3 <sup>7</sup> / <sub>8</sub> Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 115 Min. Recessing Depth (in): 4 <sup>1</sup> / <sub>2</sub> Light Distribution: Downlight Weight (kg): 0.342 Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Mounting Location: Ceiling
Shape: Round  Diameter (mm): 71  Diameter (in): 2 13/16  Depth (mm): 99  Depth (in): 3 7/8  Ceiling Thickness (mm): 10 / 12.5 / 15  Ceiling Thickness (in): 3/8 or 1/2 or 9/16  Min. Recessing Depth (mm): 115  Min. Recessing Depth (in): 4 1/2  Light Distribution: Downlight  Weight (kg): 0.342  Weight (lbs): 3/4  Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Subcategory: Downlight
Diameter (mm): 71  Diameter (in): 2 <sup>13</sup> / <sub>16</sub> Depth (mm): 99  Depth (in): 3 <sup>7</sup> / <sub>6</sub> Ceiling Thickness (mm): 10 / 12.5 / 15  Ceiling Thickness (in): 3/8 or 1/2 or 9/16  Min. Recessing Depth (in): 4 <sup>1</sup> / <sub>2</sub> Light Distribution: Downlight  Weight (kg): 0.342  Weight (lbs): 3/4  Fixture Finish: SSR/BKV/CWI/CRY/HAB/UFT/ITA/RUA/FTG/MYG/LOD/PUS/FRO/FUP/KIA/POP/BLS/SPG/MEY/GOH/GUM/CHC/	PHYSICAL
Diameter (in): 2 <sup>13</sup> / <sub>16</sub> Depth (mm): 99  Depth (in): 3 <sup>7</sup> / <sub>6</sub> Ceiling Thickness (mm): 10 / 12.5 / 15  Ceiling Thickness (in): 3/8 or 1/2 or 9/16  Min. Recessing Depth (in): 4 <sup>1</sup> / <sub>2</sub> Light Distribution: Downlight  Weight (kg): 0.342  Weight (lbs): 3/4  Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Shape: Round
Depth (mm): 99  Depth (in): 3 $\frac{7}{8}$ Ceiling Thickness (mm): 10 / 12.5 / 15  Ceiling Thickness (in): 3/8 or 1/2 or 9/16  Min. Recessing Depth (mm): 115  Min. Recessing Depth (in): 4 $\frac{7}{2}$ Light Distribution: Downlight  Weight (kg): 0.342  Weight (lbs): 3/4  Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Diameter (mm): 71
Depth (in): 3 $\frac{7}{8}$ Ceiling Thickness (mm): 10 / 12.5 / 15 Ceiling Thickness (in): 3/8 or 1/2 or 9/16 Min. Recessing Depth (mm): 115 Min. Recessing Depth (in): 4 $\frac{1}{2}$ Light Distribution: Downlight Weight (kg): 0.342 Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Diameter (in): 2 13/16
Ceiling Thickness (mm): 10 / 12.5 / 15  Ceiling Thickness (in): 3/8 or 1/2 or 9/16  Min. Recessing Depth (mm): 115  Min. Recessing Depth (in): 4 ½  Light Distribution: Downlight  Weight (kg): 0.342  Weight (lbs): 3/4  Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Depth (mm): 99
Ceiling Thickness (in): 3/8 or 1/2 or 9/16  Min. Recessing Depth (mm): 115  Min. Recessing Depth (in): 4 ½  Light Distribution: Downlight  Weight (kg): 0.342  Weight (lbs): 3/4  Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Depth (in): 3 $\frac{7}{8}$
Min. Recessing Depth (mm): 115 Min. Recessing Depth (in): 4 ½ Light Distribution: Downlight Weight (kg): 0.342 Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Ceiling Thickness (mm): 10 / 12.5 / 15
Min. Recessing Depth (in): 4 ½ Light Distribution: Downlight Weight (kg): 0.342 Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Ceiling Thickness (in): 3/8 or 1/2 or 9/16
Light Distribution: Downlight Weight (kg): 0.342 Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Min. Recessing Depth (mm): 115
Weight (kg): 0.342 Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Min. Recessing Depth (in): 4 $\frac{1}{2}$
Weight (lbs): 3/4 Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Light Distribution: Downlight
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / MYG / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Weight (kg): 0.342
LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /	Weight (lbs): 3/4
	LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC /

# **ELECTRICAL**

Fixture Material: Aluminum Cut-out Measurements: 79mm / 3 1/8"

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 13.3
Total Output Wattage (W): 12
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): 350

Upon Request: Unique Sizes Unique Ceiling Thickness

### LED

Ν	lum	ıber	of LEDs: 1		
_				(0.4)	

Color Temperature (°K): 2700 / 3000 / 3500 / 4000	
Max. Delivered Lumen (lm): 890 / 920 / 970 / 990	
Nominal Lumen (lm): 1304 / 1352 / 1421 / 1450	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
Upon Request: RGB-W Tunable White Special Color Temperature	

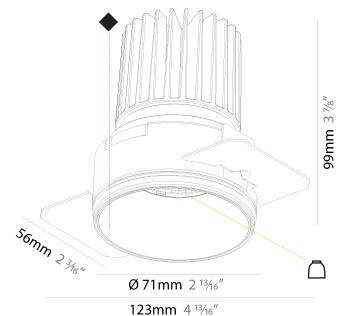
#### OPTICAL

0. 110/12	
Reflector°: 20 / 40 / 60	
Adjustability: Fixed	
Upon Request: Special Beam Angles	
RATINGS AND CERTIFICATIONS	

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

**PROJECT** TYPE SPECIFIER QUANTITY DATE













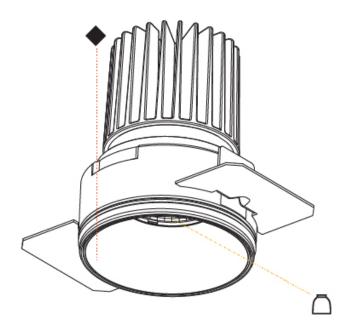






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A37912		-	-
base number	Color Temperature	Finishes	Reflector

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 Standard	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Trimless	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Trimless
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 39
Diameter (in): 1 % 1
Height (mm): 72
Height (in): 2 13/16
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 $\frac{7}{8}$
Light Distribution: Downlight
Weight (kg): 0.129
Weight (lbs): 0.28
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

Nominal Lumen (lm): 734 / 762 / 801 / 817

CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: RGB-W Tunable White Special Color Temperature

#### ΟΡΤΙζΔΙ

Reflector°: 33 / 47 / 65

Upon Request: Special Beam Angles

# RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

PROJECT
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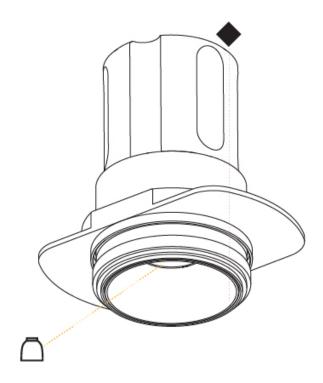






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A37946	<b>.</b> .	-	-
base number	Color	Finishes (Diamond)	Reflector

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 Standard	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	_
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 148
Diameter (in): 5 <sup>13</sup> / <sub>16</sub>
Height (mm): 130
Height (in): 5 ½
Ceiling Thickness (mm): 5 - 30
Ceiling Thickness (in): 1/16 - 1 3/16
Min. Recessing Depth (mm): 140
Min. Recessing Depth (in): 5 ½
Light Distribution: Downlight
Weight (kg): 0.9
Weight (lbs): 1.98
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: 142mm / 5 9/16"

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 28.6

Total Output Wattage (W): 26

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

Housing: See components

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): 2210 / 2270 / 2391 / 2440

Nominal Lumen (lm): 3210 / 3290 / 3459

CRI: >90 CRI

Lamp Life (hrs): 50000

### OPTICAL

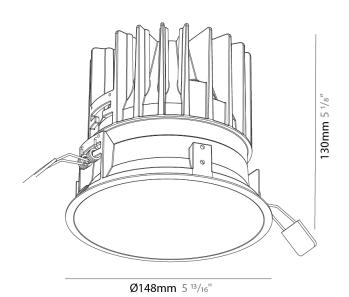
Reflector°: 18 / 26 / 40

#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards





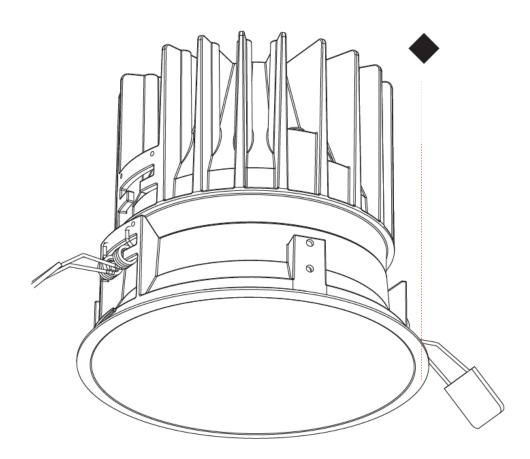






A37946-

PROJECT	
TYPE	
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A37952		-	-
base number	Color	Finishes	Lens
	Temperature	(Diamond)	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 Standard
Brand: Prolicht
Division: Architectural
Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight

Mounting Type: Recessed
Mounting Location: Ceiling
Subcategory: Downlight
PHYSICAL
Shape: Round
Diameter (mm): 45
Diameter (in): 1 <sup>3</sup> / <sub>4</sub>
Height (mm): 49
Height (in): 1 15/16
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 $\frac{7}{8}$
Light Distribution: Downlight
Weight (kg): 0.084
Weight (lbs): 0.185
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: Dia: 41mm / 15/8"

**ELECTRICAL** Lamp Type: LED (Zhaga Standard) Input Wattage (W): 2.2 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

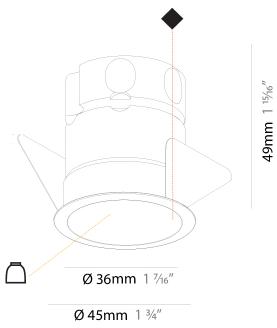
Reflector°: 12 / 20 / 35

### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards

PROJECT		
TYPE		
SPECIFIER		
QUANTITY		
DATE		













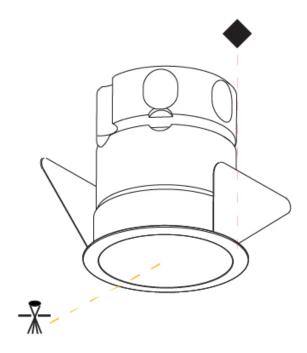






A37952-

PROJECT			
TYPE			
SPECIFIER			_
QUANTITY			_
DATE			







A37959		-	-
base number	Color	Finishes	Reflector
	Temperature	(Diamond)	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 Standard	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	

Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	
PHYSICAL	
Shape: Round	
Diameter (mm): 45	
Diameter (in): 1 <sup>3</sup> / <sub>4</sub>	
Height (mm): 71	
Height (in): 2 13/16	
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 $\frac{7}{8}$	
Light Distribution: Downlight	
Weight (kg): 0.102	
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

Cut-out Measurements: Dia: 41mm / 15/8"	
ELECTRICAL	
Lamp Type: LED (Zhaga Standard)	
Input Wattage (W): 7.7	
Total Output Wattage (W): 7	
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): 250

Upon Request: 0-10Vdc dimming / Phase dimming 120Vac

# LED

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 630 / 650 / 686 / 700

Nominal Lumen (lm): 731 / 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

PROJECT		
TYPE		
SPECIFIER		
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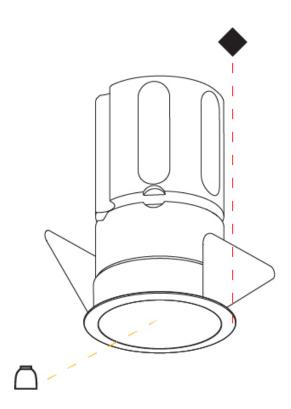






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PROJECT
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SPECIFIER
QUANTITY
DATE







# **INVADER STANDARD**

COLOR FINISH CHART

PROJECT	
TYPE	
SPECIFIER	
QUANTITY	
DATE	

#### **Fixture Finish**



**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.





# **INVADER STANDARD**

# **LEGEND**

				_	
<u></u>	floor-mounted	¥	pivotable	⊛	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	S	rotating	0	warm dim / natural dimming LED
$\uparrow$	ceiling-mounted and wall-mounted	¥	illuminate tilted	0	rechargeable battery powered
$\rightarrow$	wall-mounted	T	color of suspension cable	III.	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution		length of suspension cable	CRI	color rendering index
$\Delta$	direct light distribution		reflector degree selection	<b>℃</b> K	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩	efficacy (lumens per watt)
	asymmetric light distribution	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
X	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	0	integrated shine ring with diffuser	30	walk on
$\Box$	square wall or ceiling cut-out	Ċ	free individual colors 01-29	<b>②</b>	drive on
4	the supplied jig specifies the cutout dimensions	C	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
<b>d</b> *.*	minimum distance (meters) lamp - object	<b>♦</b>	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
$\hat{\pm}$	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
<u></u>	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
1	ceiling thickness selection		luminaire part to be colored (F4)	<b>●</b> ⑨	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
8	separately switchable	$\odot$	indirect diffuser	. <b>(1)</b>	ETL Certified to UL and CSA Standards
<b>•</b>	sensor	0	direct diffuser	շ <b>(</b> Մ) սո	UL Certified to UL and CSA Standards
	remote control	0	ball-proof (upon request)	<b>(II</b> )	CSA Certified to UL and CSA Standards
J	available upon request	0	accessory	<b>(Z</b> )	Certified for North American Standards

# **IP RATING**

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)
[P44]	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**

above the surface)

IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
ІКОЗ	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)

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm