# **INVADER STANDARD RECESSED**

### A35601-

base number	Color Temperature	Finishes (Diamond)	Finishes (Triangle)	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

GENERAL	
Series: Invader Standard	
Brand: Prolicht	
Division: Architectural	
Mounting Type: Recessed	
Mounting Location: Ceiling	
Subcategory: Downlight	
PHYSICAL	
Shape: Round	
Diameter (mm): 109	
Diameter (in): $4\frac{5}{16}$	
Height (mm): 105	
Height (in): 4 <sup>1</sup> / <sub>8</sub>	
Min. Recessing Depth (mm): 120	
Min. Recessing Depth (in): 4 <sup>3</sup> / <sub>4</sub>	
Light Distribution: Adjustable / Direct	
Weight (kg): 0.434	
Weight (lbs): 0.96	
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA / FTG / N LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / C COM / ABZ / JAG / OBR / MOS / ROR	
Fixture Material: Aluminum	
Cut-out Measurements: 104mm / 4 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 onl and 0-10V Dimming)	y)
Driver Included: No	
Driver Location: Recessed Housing	
Driver Type: Constant Current - Universal	
Housing: See components	

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): 890 / 920 / 970 / 990 Nominal Lumen (lm): 1304 / 1352 / 1421 / 1450 CRI: >90 CRI

1 31	nr	s Lir	fo (h	rc) · 5	50000		
Lai	чŀ	ᄓ	16 (11	13). 3	0000		

#### OPTICAL

Reflector°: 20 / 40 / 60

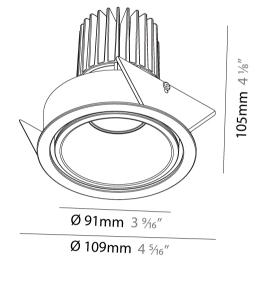
# Adjustability: Rotational 180°; Tilt 30°

#### RATINGS AND CERTIFICATIONS

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

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			







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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

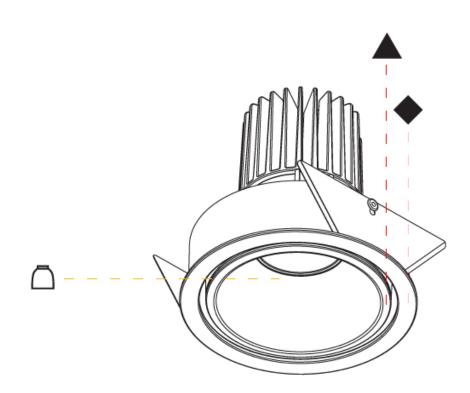
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# **INVADER STANDARD RECESSED**

A35601-

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DATE			
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			



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# **INVADER STANDARD RECESSED**

### A35602-

Finishes Reflector base number Color 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	
PHYSICAL	
Shape: Round	
Diameter (mm): 85	
Diameter (in): 3 $\frac{3}{8}$	
Height (mm): 105	
Height (in): 4 <sup>1</sup> / <sub>8</sub>	
Ceiling Thickness (mm): 5 - 30	
Min. Recessing Depth (mm): 110	
Min. Recessing Depth (in): 4 <sup>5</sup> / <sub>16</sub>	
Light Distribution: Downlight	
Weight (kg): 0.322	
Weight (lbs): 0.71	
Fixture Finish: SSR / BKV / CWI / CRY / HAB / UFT / ITA / RUA /	
LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / G	JUM / 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	e (W): 14.3
Total Output V	Nattage (W): 13
Dimming: Tri-I and 0-10V Dim	Mode (Non-Dimming and Phase Dimming (120Vac only) nming)
Driver Include	d: No
Driver Locatio	n: Recessed Housing
Driver Type: C	onstant Current - Universal
Housing: See o	components
Input Voltage	(V): 120 - 277
Constant Curr	ent (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

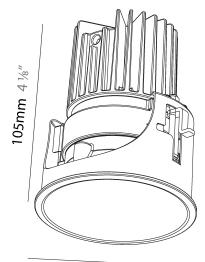
Reflector°:	20 /	' 40 /	60

### RATINGS AND CERTIFICATIONS

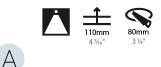
Certified By: Certified for North American Standards	
IP rating: IP20	

PF	PROJECT	
ΤY	ТҮРЕ	
SF	SPECIFIER	
QI	QUANTITY	
DA	DATE	





Ø 85mm 3 3/8"





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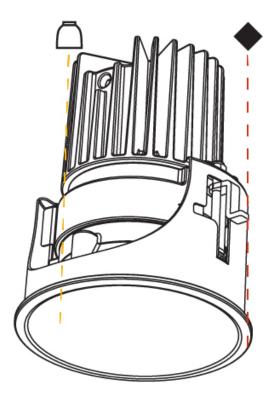
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# **INVADER STANDARD RECESSED**

A35602-

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PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



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# **ZANEEN**<sub>®</sub>

# **INVADER STANDARD RECESSED**

### A35604-

Finishes Reflector base number Color 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	
PHYSICAL	
Shape: Round	
Diameter (mm): 85	
Diameter (in): 3 <sup>3</sup> / <sub>8</sub>	
Height (mm): 105	
Height (in): $4\frac{1}{8}$	
Ceiling Thickness (mm): 5 - 30	
Ceiling Thickness (in): 3/16 - 1 3/16	
Min. Recessing Depth (mm): 110	
Min. Recessing Depth (in): 4 <sup>5</sup> / <sub>16</sub>	
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 / MYO 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	
Tatal Output Watta as (W), 12	

otal Output Wattage (W): 13	
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac o and 0-10V Dimming)	nly)
Driver Included: No	
Driver Location: Recessed Housing	
Driver Type: Constant current - Universal	
lousing: See components	
nput 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	
Leven Life (here), E0000	

#### Lamp Life (hrs): 50000

#### OPTICAL

Reflector°: 20 / 42 / 60 Adjustability: Fixed

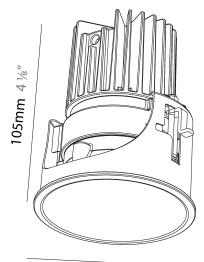
#### **RATINGS AND CERTIFICATIONS**

Certified By: Certified for North American Standards IP rating: IP65

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PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Ø 85mm 3 3/8"





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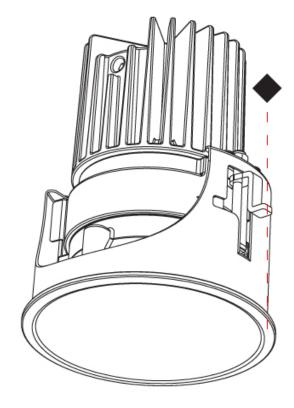
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# **INVADER STANDARD RECESSED**

A35604-

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



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# INVADER STANDARD

**COLOR FINISH CHART** 

**Fixture Finish** 

PROJECT

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 STANDARD**

LEGEND

PROJECT

TROJEC

TYPE SPECIFIER

QUANTITY

DATE

↓	floor-mounted	Å	pivotable	$\circledast$	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
Î	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
$\rightarrow$	wall-mounted	T	color of suspension cable	на	fixture with natural vivid LED (upon request)
¥	omni-directional light distribution	÷	length of suspension cable	CRI	color rendering index
Ä	direct light distribution	D	reflector degree selection	°K	color temperature
	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	$\overline{\mathbf{A}}$	lens		efficacy (lumens per watt)
	asymmetric light distribution	$\mathfrak{B}$	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ä	aura light distribution	0	shine ring	318	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	$\odot$	integrated shine ring with diffuser	۲	walk on
5	square wall or ceiling cut-out	ľ.	free individual colors 01-29		drive on
d d	the supplied jig specifies the cutout dimensions	с.	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
(+*)	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	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)	<b>1</b>	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		luminaire part to be colored (F5)		protection class I, protection insulation
<b>6</b>	included or excluded LED driver/transformer/ control gear		color of 3-circuit adaptor		protection class II, protection insulation
Ъ	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
シ	sensor	0	direct diffuser	c (U) us	UL Certified to UL and CSA Standards
()	remote control	$\boldsymbol{\Theta}$	ball-proof (upon request)	<b>S</b>	CSA Certified to UL and CSA Standards
2	available upon request	0	accessory	$\mathbb{Z}$	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)
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
1965	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
1967	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**

КОТ	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)
КОЗ	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)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
1606	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)
КОВ	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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