



Apeiron[™]SERIES

LED BASED
DOWN LIGHTS

SDi

SDi_{HB}

SDi_{TRI-LIGHT}

i2Systems[®]
ADVANCED LED LIGHTING

ACCUWHITE[™]

Apeiron™ SERIES

LED BASED DOWN LIGHTS

SDi	Available in the most configurations of any Apeiron
SDiHB	High brightness white and warm white LED
SDiTRI-LIGHT	Up to 3 colors in one fixture for dramatic color effects



SDi Tri-Light: Innovation Award Winner, IBEX 2007



shown: Apeiron SDi HB, Warm White

FIXTURE COMPARISON

	SDi	SDiHB	SDiTRI-LIGHT	
STYLE	SPRING MOUNT AVAILABLE	●	●	
	SCREW MOUNT AVAILABLE	●		
COLOR	COLORS PER FIXTURE	1	1	
	COLORS AVAILABLE	9 ○○○●●●●●●●●	2 ○○○	2 or 3 6 ○○○●●●●●
USAGE	LARGE AREA DOWN LIGHT		●	
	SMALL AREA DOWN LIGHT	●		
	EXTERIOR DOWN LIGHT	●	●	
FEATURES	ACCUWHITE	●	●	
	0 to 100% DIMMING	●	●	
	SMARTDRIVER™ INSIDE	●	●	
ELECTRICAL	INPUT VOLTAGE (V _{in})	6-30V DC*	6-30V DC*	
	INPUT POWER (P _{in})	1.5W	4W	
	PROTECTION FEATURES	Reverse Polarity Protection Transient Protection	Internal Auto-Resettable Fuse Reverse Polarity Protection Transient Protection	Reverse Polarity Protection Transient Protection

ACCUWHITE™

i2Systems AccuWhite technology allows integration of Apeiron fixtures to traditional halogen applications without sacrifice in color temperature (CCT) or color rendering (CRI).

CERTIFIED



IP67
WATERPROOF



DIRECTIVE
94/25/EC



CLASS B

PATENT
PENDING

*Light fixture will maintain 100% intensity provided the input voltage to the light fixture is within the voltage range above.
Do Not exceed the maximum input voltage rating. Refer to product instructions for detailed installation requirements and specifications.
i2Systems reserves the right to make changes at any time.

APEIRON SDi HB
HALOGEN



HOURS OF OPERATION

hours of operation are approximate and may vary under individual circumstances.

4 WATTS



POWER CONSUMPTION

130°F (54°C)



TEMPERATURE

temperatures are approximate and will vary based on fixture installation and ambient temperature conditions. Refer to product instructions for additional information.

APEIRON FEATURES

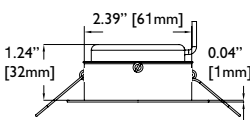
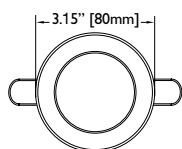
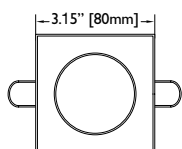
SPRING MOUNT

EVEN LIGHT

Advanced Optical System
120° Full Angle
No LED Dots

Stainless Steel Trim Ring
- Square or Round

Stainless Steel
Spring Clips



SMARTDRIVER™ INTEGRATED

With SmartDriver technology, light output remains at 100% intensity over entire operating voltage range.

0 to 100% Digital Dimming

ADVANCED THERMAL DESIGN

Anodized aluminum housing, completely sealed. (IP67)



Side-Emerging Wires,
18 AWG

SPRING MOUNT AVAILABLE FOR:

SDi
SDi HB
SDi TRI-LIGHT

FINISHES

Available for both
mounting options.



Polished Chrome



Polished Gold



Powder Coated
White



Brushed Nickel



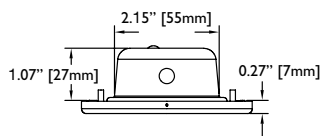
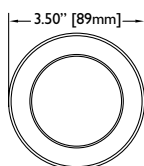
Powder Coated
Off-White

SCREW MOUNT

EVEN LIGHT

Advanced Optical System
120° Full Angle
No LED Dots

Interchangeable,
Stainless Steel Trim Ring



SMARTDRIVER™ INTEGRATED

With SmartDriver technology, light output remains at 100% intensity over entire operating voltage range.

0 to 100% Digital Dimming

ADVANCED THERMAL DESIGN

Powder coated stainless steel housing, completely sealed. (IP67)



Side-Emerging Wires,
18 AWG

SCREW MOUNT AVAILABLE FOR:

SDi
SDi TRI-LIGHT

i2Systems reserves the right to make changes at any time.

LIGHTING LOCATION TIP

INTERIOR LIGHTING

WARM WHITE

Warm color temperatures and high color rendering make wood and fabrics look warm and inviting.

EXTERIOR LIGHTING

COOL WHITE OR COLORS

Cool white creates a fresh, new appearance. Vibrant colors create unique effects never before possible.

i2Systems[®]
ADVANCED LED LIGHTING

PART NUMBERING

Using the key to the right, match X,Y,Z and F to put together the perfect Apeiron fixture for your project. Keep in mind not all housings, color options and face shapes are available for all fixture types.

SDi

AP (X) - (Y) L - SDI - (Z) (F)

SDi HB

AP - (Y) HB - SDI - (Z) (F)

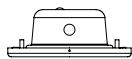
SDi TRI-LIGHT

AP (X) - (YYY) L - SDI - (Z) (F)

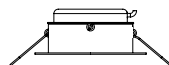
Dual color Tri-Lights are also available, however are configured as "off, color 1, color 2, off, off, color 1, etc." This will allow two color Tri-Lights to remain synchronized with three color Tri-Lights.

(X) HOUSING

L SCREW MOUNT
ie: APL-YL-SDI-ZF



- SPRING MOUNT
(LEAVE BLANK)
ie: AP-YL-SDI-ZF



(Y) LED COLORS

- 1 WHITE
- 2 WARM WHITE
- 3 GREEN
- 4 BLUE
- 5 ROYAL BLUE
- 6 CYAN
- 7 RED
- 8 RED-ORANGE
- 9 AMBER

AVAILABILITY:

SDi: 1-9 (ALL)
SDi HB: 1, 2
SDi TRI-LIGHT: 1, 2, 3, 4, 6, 7

(Z) FINISH

- 1 POLISHED CHROME
- 2 POLISHED GOLD
- 3 POWDER COATED WHITE
- 4 BRUSHED NICKEL
- 5 POWDER COATED OFF-WHITE

(F) FACE SHAPE

- 1 ROUND FACE
- 2 SQUARE FACE

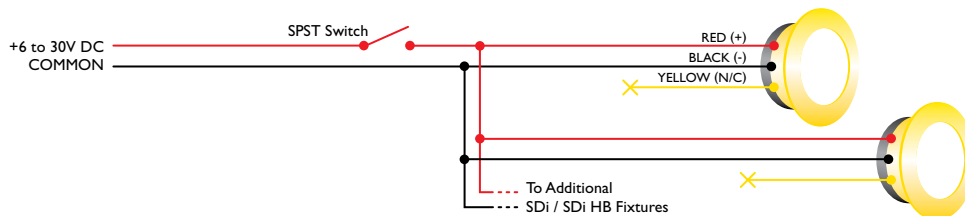
AVAILABILITY:
SQUARE ONLY FOR
SPRING MOUNT MODELS

WIRING DIAGRAMS

Refer to product instructions for additional information.

SINGLE COLOR

APPLIES TO:
APEIRON SDi
APEIRON SDi HB

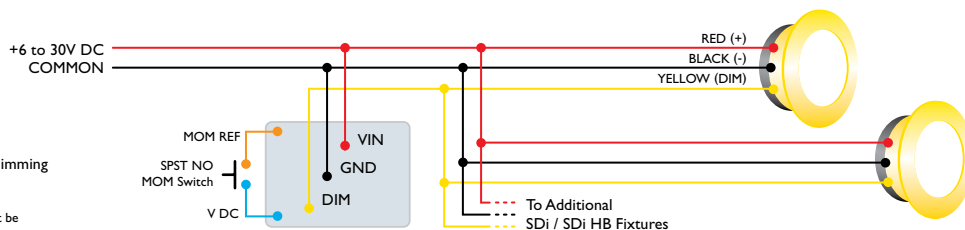


SINGLE COLOR WITH DIMMING

APPLIES TO:
APEIRON SDi
APEIRON SDi HB

Dimming module shown in momentary (MOM) switch dimming configuration, other standard configurations available.

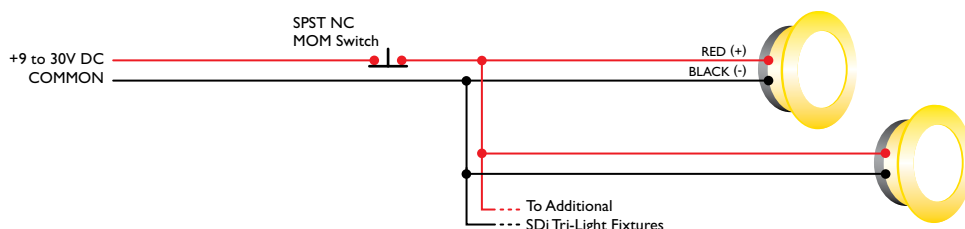
When installing to digital control systems, dimming module may not be required. Consult i2Systems for additional information.



MULTIPLE COLOR

APPLIES TO:
APEIRON SDi TRI-LIGHT

To change colors, momentarily open the +9 to 30V DC input to the fixtures for 1 second or less. The fixture colors will cycle color 1, color 2, color 3, off, color 1 etc.



i2Systems® is a leading solid state lighting designer, manufacturer and systems developer. The company's core technology enables the next generation of illumination, continuing to change the way we light the world.

Through progressive research and innovation, i2Systems transforms conventional lighting applications with solid state lighting and offers a myriad of industries highly versatile, controllable, energy efficient and long lasting lighting solutions.

The company is headquartered in Morris, CT. More information regarding i2Systems and its products is available at www.i2systems.com

ADVANCED LED LIGHTING
www.i2systems.com

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i2Systems reserves the right to make changes at any time.