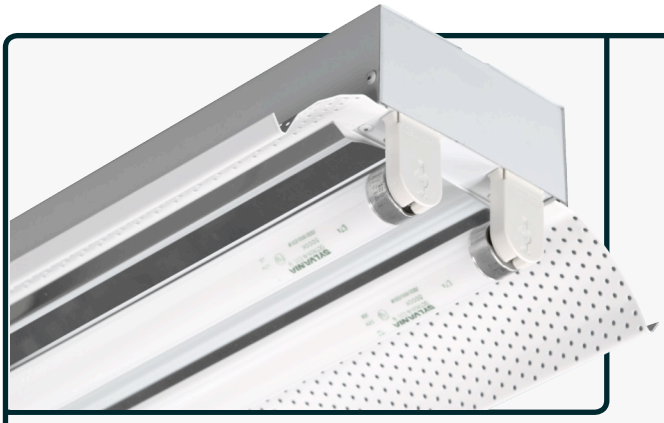
RENOVA™
Innovative Lighting Ideas
Energy Efficient Solutions

Series:
ECS Energy Conservation Series

Fixture Type :
SPI Standard Perforated Industrial

Project Name	Fixture Type	Catalog #	Quantity

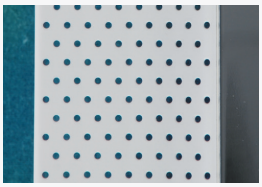


The Standard Perforated Industrial (SPI) Series has been developed to provide maximum energy-efficient, cost effective general lighting in a clean, stylized design that is both appealing and functional. The fixture's unique channel design offers rigidity and stability not found in similar products from other manufacturers. The SPI series offers versatility and flexibility in design and is an excellent choice in a wide range of retail applications.

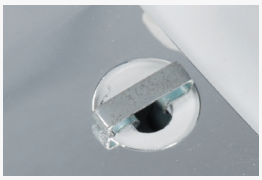
Typical applications for this type of product are interior spaces where appearance and performance are important. Applications include:

- *Commercial Facilities*
- *Retail Chain Stores*
- *Government Facilities*
- *Storage Facilities*
- *Schools and Universities*

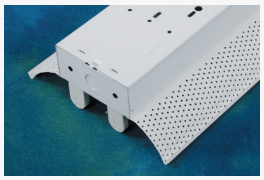
Twist-Lock style Lampholders (Standard)



High Reflectance White Perforated Side Panels (Standard)



Captive Quarter-Turn Fasteners (Allow for Toolless Access to Ballast Compartment)



Mounting Details (Included in all Housings)

Note: RENOVA products are constantly being improved; therefore, the information shown is subject to change without notice. Always consult your lighting representative or RENOVA Lighting Systems, Inc. for the latest information.

Design Features / Specifications

CONSTRUCTION:
- Housing is manufactured from code gauge, die-formed cold rolled steel
- Mechanically fastened for strength and rigidity – Spot welded construction is optional
- Code gauge end caps and internal components
- 7/8" EKOs provided in end caps for row mounting

REFLECTOR / OPTICS:
- Reflectors are precision-formed, per UL aluminum construction standards and steel, multi-faceted and perforated for maximum photometric performance
- Perforated reflector has high reflectance white powdercoat finish with a Miro4 specular finish beneath the lamp area. Other options are available – consult factory
- Reflectors are easily removed without the use of tools

ELECTRICAL:
- All standard ballasts are instant start or program rapid start, UL listed, CEE rated high efficiency electronic, Class "P", Sound Rated "A", RoHS compliant and are the universal voltage (120v–277v) type. All ballasts are mechanically fastened into fixture housing. Other voltages are available – consult factory
- Many other lamp / ballast & wiring configurations are available – consult factory for all other available options
- All fixtures include Ballast (Luminaire) Disconnects as per UL 1598 standards

FINISH:
- Pre-painted gloss white polyester powder coat baked white enamel finish is standard
- Post-painted gloss white polyester powder coat baked white enamel finish is optional
- Custom colors are optional

LAMPHOLDERS:
- Twist-Lock style, snap-in, thermoplastic type ensure positive lamp retention
- High temperature rated (T-Rating)

INSTALLATION:
- Fixture can be mounted several ways: Surface, Pendent, Chain or Cable

CERTIFICATIONS:
- All fixtures are UL/CUL Listed and labeled
- Suitable for damp locations

Scan for additional information on this fixture type.

VETERAN OWNED AND OPERATED
c UL us LISTED
Illuminating Engineering Society Sustaining Member
SME Society of Manufacturing Engineers
NTMA National Tooling and Machining Association
NEMA Member
ARRA Funding Compliant
Made in USA

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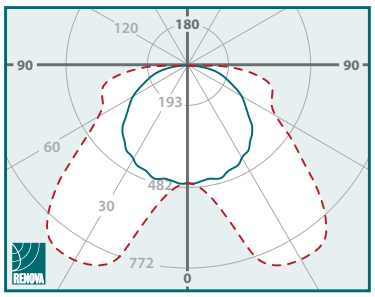
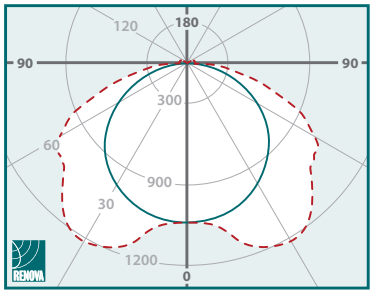
1 Lamp Photometric Data



ECS-SPI4-MN-132-UNV-11N
Internal Test Report #: 04111
Total Luminaire Efficiency: 93.5%
Spacing Criterion:

— 0 deg 1.34 — 90 deg 2.11
— 180 deg 1.34 — 270 deg 2.11

2 Lamp Photometric Data

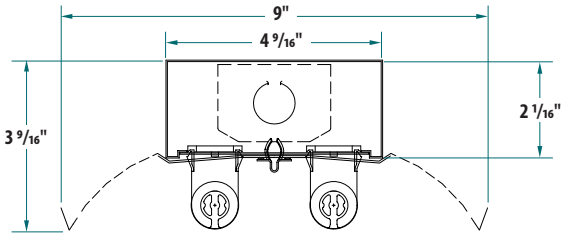


ECS-SPI4-MN-232-UNV-12N
Internal Test Report #: 04112
Total Luminaire Efficiency: 91.0%
Spacing Criterion:

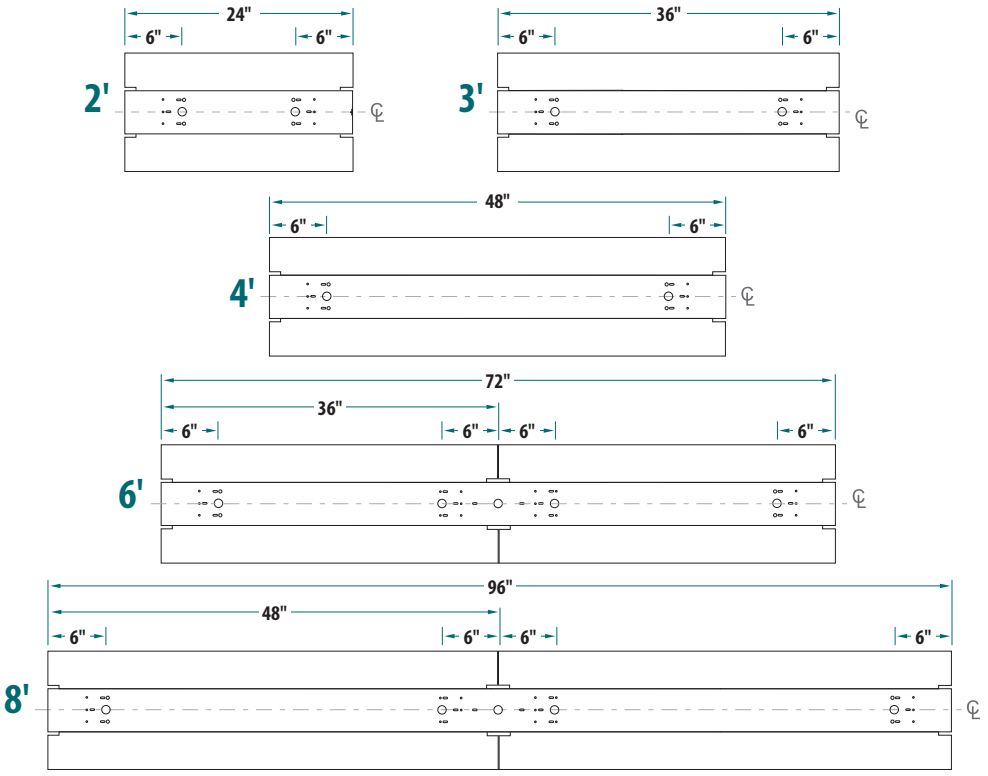
— 0 deg 1.30 — 90 deg 1.80
— 180 deg 1.30 — 270 deg 1.80

**Please see website for all other photometric data.*

2-Lamp T8 Standard Perforated Industrial Cross Section



Fixture Housing Dimensions



Note: Unless otherwise specified, all EKOs are 7/8" diameter.

Ordering Information

Series	Fixture Type	Size	Reflector Material	Optics (Distribution)	# of Lamps	Lamp Type (Wattage)	Ballast Voltage	# of Ballasts	# Lamps per Ballast	Ballast Factor	Ballast Type	Options
ECS -	SPI		-		-		-				-	-
Energy Conservation Series	Standard Perforated Industrial	**2** - 24" **3** - 36" **4** - 48" **6** - 72" **8** - 96"	**M** - Miro4 (95% TR) High Reflectance White (91% TR) Perf. Sections	**N** - Normal **C** - Custom **N - Normal is standard* **C - Custom optics are described in "Options" box*	**1** - 1 Lamp **2** - 2 Lamp **3** - 3 Lamp **4** - 4 Lamp* *2', 3', or 4' Hsg* **2** - 2 Lamp **4** - 4 Lamp **6** - 6 Lamp **8** - 8 Lamp* *6' and 8' Hsg* **T5 Lamp Only*	**17 - (2')** 17w T8 **25 - (3')** 25w T8 **32 - (4')** 32w T8 **14 - (2')** 14w T5 **21 - (3')** 21w T5 **28 - (4')** 28w T5 **24 - (2')** 24w T5HO **39 - (3')** 39w T5HO **54 - (4')** 54w T5HO	**120** - 120v, 60 Hz **277** - 277v, 60 Hz **UNV** - 120v-277v, 60 Hz (Multi-Tap) **347** - 347v, 60 Hz **480** - 480v, 60 Hz **xxx** - Less Ballast **UNV - Universal voltage is standard*	**S** - Slave (Less Ballast) **1** - 1 **2** - 2 **3** - 3 **4** - 4	**0** - 0 **1** - 1 **2** - 2 **3** - 3 **4** - 4 **If "S" was used in "# of Ballasts" box, mark as "0"* **Use suffix "M" for Master (Example: 4M)*	**L** - Low **N** - Normal **H** - High **If "S" was used in "# of Ballasts" box, mark as "0"*	**IST** - Instant Start **RST** - Rapid Start **LVD** - Low Voltage Dimming **DIM** - Line Voltage Dimming **SDM** - Step-Dimming	**ADDITIONAL OPTIONS** *(Please see separate "Options Sheet" for all available options)*

Fluorescent lamps contain small amounts of mercury. Such lamps are labeled "Contains Mercury" and / or with the symbol "Hg." Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org.

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