

# ENVIROPRO™

## IN9 SERIES

### Luminaire for Natatorium Applications

#### PRODUCT FEATURES:

- » Designed specifically for natatorium lighting applications
- » Indirect lighting optical configurations with aiming adjustability
- » Uniform material specification for all provided housing and structural components for long-lasting durability in chlorinated environments
- » Galvanically isolated and field-replaceable light engine assembly
- » 11,000-40,000lm output range

#### SPECIFICATIONS:

**HOUSING:** 18-gauge, die-formed outer housing with convection cooling of internal heat sink via perforated cooling apertures – see Ordering Information for pattern options. Type 3003-H14 aluminum, Type 304 or Type 316 stainless-steel material options. Passivation of all welded stainless-steel components. TGIC polyester powder-coat finish with five-step pre-treatment process; coatings to withstand 1,000-hr salt fog test per ASTM B117.

**HEAT SINKS:** Type 413 marine-grade die-cast aluminum. Coating to withstand 1,000-hour salt fog test per ASTM B117. Electrically insulated from outer housing to prevent galvanic corrosion.

**MOUNTING (CEILING-PENDANT):** Compatible with flat or sloped ceilings up to 4:12 pitch. Ceiling canopy and pendants to match housing material and finish. Supply wiring at canopy via either recessed junction box or surface-mounted ¾" conduit (1-in, 1-out). Provided cord routed internal to pendant stems. Standard pendant length is 72" with custom pendant lengths available.

**MOUNTING (WALL):** 16-gauge, die-formed yoke bracket attaches to vertical wall surface over recessed junction box. Material and finish to match housing. Supply and control wiring fed between junction box and housing via exposed jacketed cable and sealed cord-grip. Cabling is white for all light-colored finishes and black for all dark-colored finishes.

**PIVOT HUB:** Machined hubs attach the housing to the ceiling pendants or wall-mount yoke and allow for repeatable rotational aiming and locking. Range of aiming adjustment is -15° to 55° (0° is luminaire pointing straight up). Construction in 6061 aluminum (AL housings) or 904L stainless-steel (304 and 316 housings).

**OPTICS:** Forward-, narrow-forward and wide-throw optical distributions. Clear tempered glass outer lens with silicone gasketing. Optional cut-off shield (CS) to limit high-angle spectator glare.

**ELECTRICAL:** Serviceable high-brightness LED array. See Ordering Information for color temperature and CRI options. Maximum 3-step MacAdam color variation. 120-277, 347 or 480 VAC, 50/60Hz single-phase input; 0.90 PF. Minimum 90% electrical efficiency. Standard 0-10V dimming with 5-100% dimming range with dim-to-dark capabilities @ 0V (100µA maximum source current). EMC compliant with FCC 47 CFR Part 15, Class B.

**INSTALLATION:** Four-point (wall mount) or six-point (pendant mount) mounting to suitable surface, hardware by others. Suitable for continuous use in -30°C to 40°C ambient environments for 92L/184L lamp power levels and -30°C to 30°C ambient environments for 130L/260L lamp power levels. Light engine (primary optics, LEDs, heat sink and driver) are field-replaceable as a sub-assembly.

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric data, please go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year mechanical warranty on aluminum, ten (10) year limited mechanical warranty on 304 stainless and fifteen (15) year limited mechanical warranty when ordered with 316 stainless. Five (5) year limited warranty on light engine components.

**LISTINGS:** Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. Light engine and electronic components are sealed to an IP65 rating per IEC 60598. RoHS compliant.



#### PROJECT INFORMATION

Job Name \_\_\_\_\_  
 Fixture Type \_\_\_\_\_  
 Catalog Number \_\_\_\_\_  
 Approved by \_\_\_\_\_



PENDANT MOUNT



WALL MOUNT

#### ORDERING INFORMATION (Ex: IN9-20-PM-MW-FT-130L-40K8-DIM5-DV-PM72-304SL-FS1)

Model	Length	Mounting	Finish	Optic	Lamp Power	Lamp Color	Driver Type	Voltage	Mounting Type	Housing Material	Options
<b>IN9</b>							<b>DIM5</b>				
<b>Model</b>					<b>Lamp Power (20 Length)</b>		<b>Voltage</b>				
<b>IN9</b>	EnviroPro for Natatoriums				<b>92L</b>	92 Watt LED		<b>DV</b>	120-277 VAC, 50/60Hz		
					<b>130L</b>	130 Watt LED		<b>347</b>	347 VAC, 50/60Hz		
								<b>480</b>	480 VAC, 50/60Hz		
<b>Length</b>					<b>Lamp Power (30 Length)</b>		<b>Mounting Type</b>				
<b>20</b>	20" Nominal				<b>184L</b>	184 Watt LED		<b>YM</b>	Yoke Mount (WM only)		
<b>30</b>	30" Nominal				<b>260L</b>	260 Watt LED		<b>PM72</b>	72" Length Pendant (PM only)		
								<b>PMX</b>	Custom Length Pendant (PM only, 24" - 96" range)		
<b>Mounting Configuration</b>					<b>Lamp Color</b>		<b>Housing Material Pattern (see page 2 for pattern images)</b>				
<b>WM</b>	Wall Mount				<b>35K8</b>	3500K/80 CRI min.		<b>ALSL</b>	Painted Aluminum with Slotted Cooling Apertures		
<b>PM</b>	Pendant Mount				<b>40K8</b>	4000K/80 CRI min.		<b>ALPF</b>	Painted Aluminum with Perforated Cooling Apertures		
					<b>40K7</b>	4000K/70 CRI min.		<b>ALRD</b>	Painted Aluminum with Raindrop Pattern Apertures		
<b>Finish</b>					<b>50K7</b>	5000K/70 CRI min.		<b>304SL</b>	Painted Type 304SS with Slotted Cooling Apertures		
<b>MW</b>	Matte White				<b>Driver Type</b>		<b>304PF</b>				
<b>LG</b>	Light Grey				<b>DIM5</b>	0-10V Dimming to 5%		Painted Type 304SS with Perforated Cooling Apertures			
<b>DB</b>	Dark Bronze						<b>304RD</b>	Painted Type 304SS with Raindrop Pattern Apertures			
<b>IV</b>	Ivory						<b>316SL</b>	Painted Type 316SS with Slotted Cooling Apertures			
<b>SL</b>	Silver						<b>316PF</b>	Painted Type 316SS with Perforated Cooling Apertures			
<b>CC</b>	Custom Color						<b>316RD</b>	Painted Type 316SS with Raindrop Pattern Apertures			
<b>Optic Type</b>					<b>Options</b>						
<b>FT</b>	Forward Throw				<b>FS1</b>						
<b>NFT</b>	Narrow Forward Throw				Single Fuse & Holder (n/a for 480V)						
<b>WT</b>	Wide Throw				<b>FS2</b>						
					Double Fuse & Holder						
					<b>CS</b>						
					Cutoff Shield (Material and Finish to Match Housing)						
					<b>SCH</b>						
					Safety Cable (Pendant Mount only)						
					<b>20KV</b>						
					20KV/KA Surge Protection per IEEE/ANSI C62.41.2 Cat A						



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

A brand of Legrand

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2022 Kenall Mfg. Co.

# ENVIROPRO™

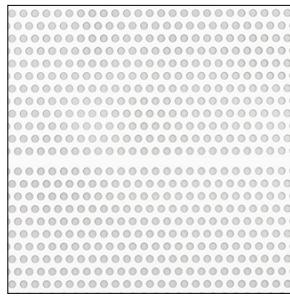
## IN9 SERIES

### Luminaire for Natatorium Applications

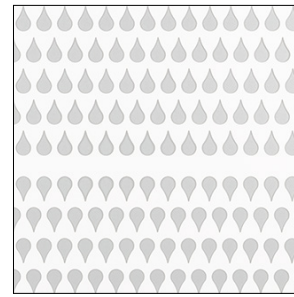
#### HOUSING COOLING APERTURE PATTERN



SLOTTED



PERFORATED



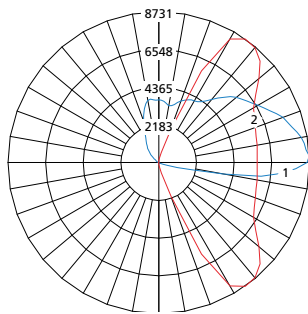
RAINDROP

#### PERFORMANCE

Size Configuration	Lamp Code	Lumen Output, By Distribution Type (lm)			Efficacy (lm/W)	Input Power (W)	TM-21 Reported L70 (hrs)	Lumen Maintenance @ 50k Hrs			
		FT	NFT	WT							
20	92L-35K8	11,365	12,183	11,471	108 - 116	105	165,000	95%			
	92L-40K8	12,101	12,972	12,213	115 - 123						
	92L-40K7	14,413	15,450	14,547	137 - 147						
	92L-50K7	14,701	15,759	14,838	139 - 150	146	135,000	89%			
	130L-35K8	14,890	15,962	15,028	102 - 109						
	130L-40K8	15,854	16,995	16,001	109 - 116						
	130L-40K7	18,883	20,242	19,058	129 - 139						
130L-50K7	19,261	20,647	19,439	132 - 142	202	165,000	95%				
30	184L-35K8	22,376	24,340	22,365				111 - 121			
	184L-40K8	23,825	25,916	23,813				118 - 128			
	184L-40K7	28,377	30,867	28,363				141 - 153			
	184L-50K7	28,944	31,485	28,930				143 - 156			
	260L-35K8	28,815	31,345	28,801				104 - 113	278	135,000	89%
	260L-40K8	30,681	33,374	30,666				110 - 120			
	260L-40K7	36,543	39,750	36,525	131 - 143						
260L-50K7	37,274	40,545	37,256	134 - 146							

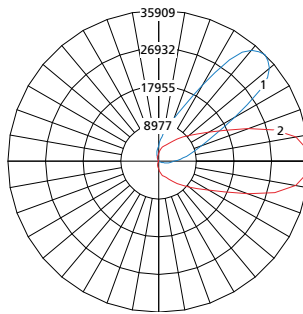
Information above was tested with an outer tempered glass lens. Subject to change without notice. Visit [www.kenall.com](http://www.kenall.com) for IES files and additional information.

Model: IN9-30-FT-184L-40K8-DIM5



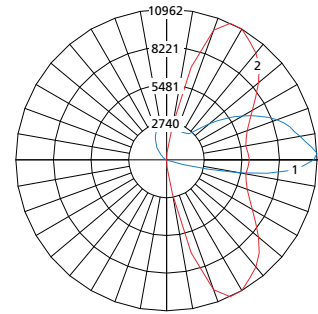
Max Candela = 8731 Located At Horizontal Angle = 55, Vertical Angle = 92.5  
 1 - Vertical Plane Through Horizontal Angles (55 - 235) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (92.5) (Through Max. Cd.)

Model: IN9-30-NFT-184L-40K8-DIM5



Max Candela = 35909 Located At Horizontal Angle = 0, Vertical Angle = 135  
 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (135) (Through Max. Cd.)

Model: IN9-WT-184L-40K8-DIM5



Max Candela = 10962 Located At Horizontal Angle = 60, Vertical Angle = 92.5  
 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
 2 - Horizontal Cone Through Vertical Angle (92.5) (Through Max. Cd.)



[www.kenall.com](http://www.kenall.com) | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

A brand of Legrand

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2022 Kenall Mfg. Co.

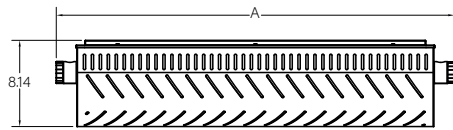
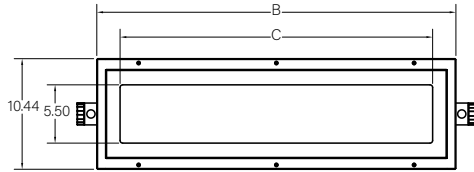
# ENVIROPRO™

## IN9 SERIES

Luminaire for Natatorium Applications

### DIMENSIONAL DATA

#### FIXTURE VIEW

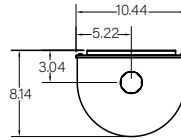


#### DIMENSIONAL DATA (IN INCHES)

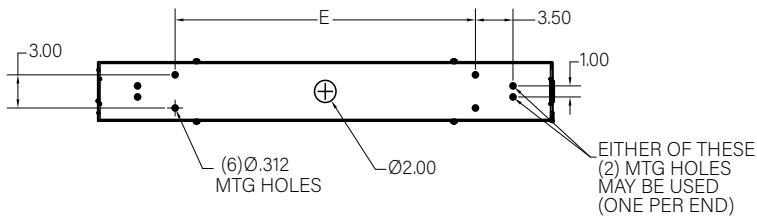
	A	B	C	D	E	F	G
20"	27.58"	23.89"	19.50"	32.45"	18.00"	26.45"	20.00"
30"	37.58"	33.89"	29.50"	42.45"	28.00"	36.45"	32.00"

#### PRODUCT WEIGHT (IN LBS)

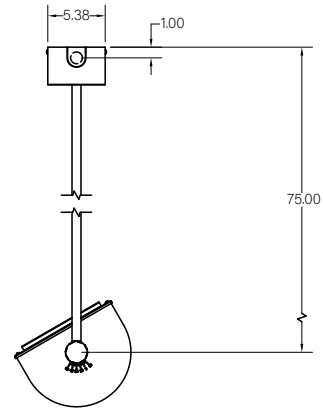
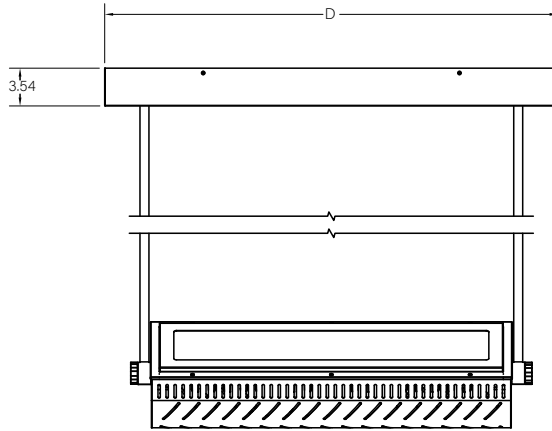
MODEL	WALL-MOUNT (WM)	PENDANT MOUNT (PMZ2)
20"	35	46
30"	49	61



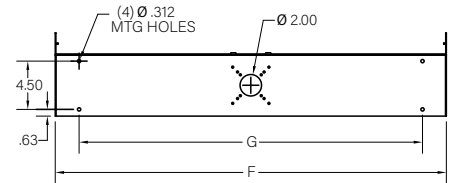
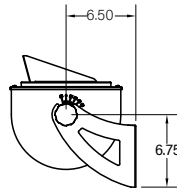
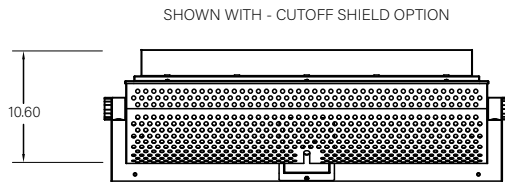
#### PENDANT MOUNT



EITHER OF THESE (2) MTG HOLES MAY BE USED (ONE PER END)



#### WALL MOUNT



www.kenall.com | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

A brand of **legrand**

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at [www.kenall.com/patents](http://www.kenall.com/patents). Content of specification sheets is subject to change; please consult [www.kenall.com](http://www.kenall.com) for current product details. ©2022 Kenall Mfg. Co.

IN9-011122