PROJECT INFORMATION Job Name _____ Catalog Number _____
Fixture Type _____ Approved by _____

MILLENIUM™ SATURN

HASS SERIES – SYNCHRONOUS ENGINE LAMPING

PRODUCT FEATURES:

» Synchronous center and perimeter light engines with unified illumination and control

» Static white color; native amber color for coastal applications

» Surface wall or ceiling installation

» 14" or 18" nominal diameter with 2" overall depth

» Available embedded motion sensor

» IK10 impact rating and Peace of Mind Guarantee against breakage

SPECIFICATIONS

HOUSING: Die-cast aluminum baseplate and frontal heat sink trim. Optional die-cast aluminum surface-mount adapter for use with conduit. Standard TGIC polyester powder coat finish on aluminum components with five-step pre-treatment to withstand 1,000-hour salt spray test per ASTM B117. See Ordering Information for available finishes. Closed cell gasketing seals all housing component interfaces.

OPTICAL: Injection-molded diffused UV-stabilized polycarbonate outer lenses for center and perimeter light engines. Center light engine utilizes inner acrylic light guide to provide uniformity from edge-lit light source.

LAMPING: Available 3000K, 3500K and 4000K color temperatures with 3-step MacAdam variation allowance, or native 590 nm amber. Standard 80 CRI min, optional 90 CRI min. on white. Edge-lit center lamping and perimeter circumferential back-lit lamping are constructed with the same color specification LED and operate on the same driver. See dual-function HASD product for independent color and control configurations.

ELECTRICAL: 120-277VAC and 347VAC, 50/60Hz electrical input with serviceable high-power factor electronic, constant-current driver (<20% THD, >0.90 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities; 0.2mA source current per luminaire. Optional DALI-2 DT6 driver with 1-100% dimming range without dim-to-dark capabilities.

SENSOR & CONTROLS: Optional embedded microwave motion sensor mounted behind center diffuser. Factory programming is 30% dimming and 20min. timeout. Custom settings available upon request. Sensor operates at 5.8 GHz (continuous-wave radar) and provides 360° coverage. To see the full list of third-party compatible controls, click here.

INSTALLATION: Suitable for surface wall or ceiling installations over recessed junction box. -30°C to 40°C ambient environments, unless otherwise noted. Available surface adapter for applications requiring surface-run conduit or photocell control. Anchored four-point mounting required. Trim assembly secured to baseplate with three (3) concealed, tamper-resistant Torx® fasteners.

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric information, go to www.kenall.com.

WARRANTY: Limited five (5) year LED warranty. Peace of Mind Guarantee against breakage.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location Wall and Covered Ceiling; listing includes Emergency Battery Pack "LEL" option. IP64 rating per IEC 60598. Luminaire tested to an IK10 impact protection rating per IEC 60068-2-75:1997-08.

PEACE OF MIND Guarantee® · IP64 · IK10 · ADA

ORDERING INFORMATION (Ex: HASS14-CS-PP-22L-40K8-DIM1-DV)

Model	Finish	Optic Type	Lamp Power	Lamp Color	Driver	Voltage	Options	Accessory
		PP						

Model
HASS14 14" Nominal Diameter
HASS18 18" Nominal Diameter

Finish
MW Matte White
MB Matte Black
WS Warm Satin Painted Anodized
CS Cool Satin Painted Anodized
BR Bronze
DB Dark Bronze
LG Light Gray
CC Custom Color (Consult factory)

Optic Type
PP Pearlescent Polycarbonate

Lamp Power
14"
10L 10 Watt White LED
16L 16 Watt White LED
22L 22 Watt White LED
30L 30 Watt White LED
38L▼ 38 Watt White LED
16NA 16 Watt 590 nm Native Amber LED
28NA 28 Watt 590 nm Native Amber LED

18"
16L 16 Watt White LED
24L 24 Watt White LED
33L 33 Watt White LED
45L▼ 45 Watt White LED
58L 58 Watt White LED
24NA 24 Watt 590 nm Native Amber LED
42NA 42 Watt 590 nm Native Amber LED

Lamp Color▲
30K8 3000K / 80 CRI min.
35K8 3500K / 80 CRI min.
35K9 3500K / 90 CRI min.
40K8 4000K / 80 CRI min.
40K9 4000K / 90 CRI min.

Driver Type
DIM1 0-10V Dimming to 1% with Dim-to-Dark
DALI DALI-2 DT6 Dimming to 1% without Dim-to-Dark

Voltage
DV 120-277VAC, 50/60Hz
120 120VAC, 60Hz
277 277VAC, 60Hz
347 347VAC, 60Hz (DIM1 only)

Options
LEL* Integral 4W Emergency Battery Backup
BPC-SA‡ Photo Control – Shielded Button Type with Die-cast Surface Adapter
FS▼ Single Fuse & Holder
NAT Suitable for Natatorium applications
MS◇ Embedded Motion Sensor

Accessories
SA Die-Cast Surface Adapter for Conduit (non-compliant with ADA)

▲ n/a with Native Amber Lamp Power
* n/a 347V; 0°C min. ambient; n/a in conjunction with MS option; 14" only: n/a in conjunction with FS option.
‡ 120 or 277V input only; non-compliant with ADA
◇ n/a with 347V, DALI or in conjunction with LEL; 14" only: n/a with 38L lamp or FS option; 18" only: 33L max.
▼ n/a with 347V

This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Ace (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents.Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2025 Kenall Mfg.Co.

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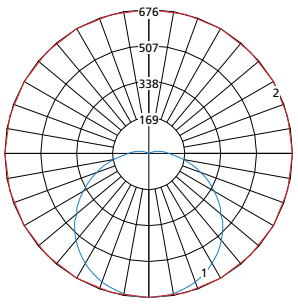
PERFORMANCE

Model	Lamp Code	Initial Delivered Lumens, By Lamp Color (lm)					Efficacy (lm/W)	Input Power (W)	TM-21 Reported L70 (hrs)
		30K8	35K8	35K9	40K8	40K9			
HASS14	10L	1,134	1,171	1,072	1,232	1,097	83 - 95	13	>72,000
	16L	1,692	1,747	1,600	1,839	1,636	82 - 95	19	
	22L	2,262	2,335	2,139	2,458	2,188	81 - 94	26	
	30L	3,087	3,187	2,919	3,355	2,986	82 - 95	35	
	38L	3,784	3,907	3,578	4,113	3,660	84 - 96	43	
HASS18	16L	1,786	1,844	1,689	1,941	1,728	90 - 103	19	>72,000
	24L	2,693	2,780	2,546	2,927	2,605	89 - 102	29	
	33L	3,617	3,735	3,420	3,932	3,499	89 - 102	39	
	45L	5,073	5,238	4,797	5,514	4,907	95 - 109	51	
	58L	6,248	6,452	5,909	6,792	6,045	88 - 101	67	

Model	Lamp Code	Initial Delivered Lumens (lm)	Efficacy (lm/W)	Input Power (W)	TM-21 Reported L70 (hrs)
		590 nm Native Amber			
HASS14	16NA	591	29	20	>60,000
	28NA	741	20	36	
HASS18	24NA	952	33	29	>60,000
	42NA	1,269	24	52	

NOTE: Information subject to change without notice. All testing conducted by an ILAC/ISO17025 accredited laboratory. Please visit www.kenall.com for IES files and additional information.

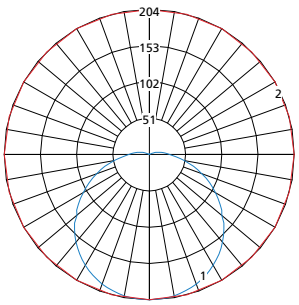
Model: HASS14-s-PP-22L-40K8-w-x-y-z



Max Candela = 676 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

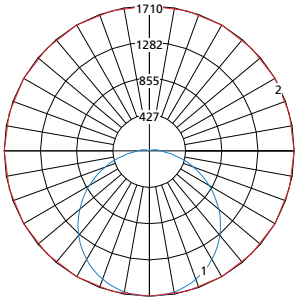
Model: HASS14-s-PP-28NA-v-w-x-y-z



Max Candela = 204 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

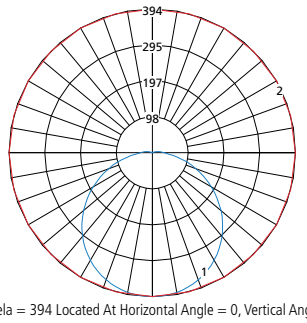
Model: HASS18-s-PP-45L-40K8-w-x-y-z



Max Candela = 1704 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

Model: HASS18-s-PP-42NA-v-w-x-y-z



Max Candela = 394 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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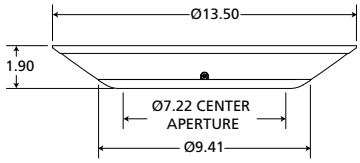
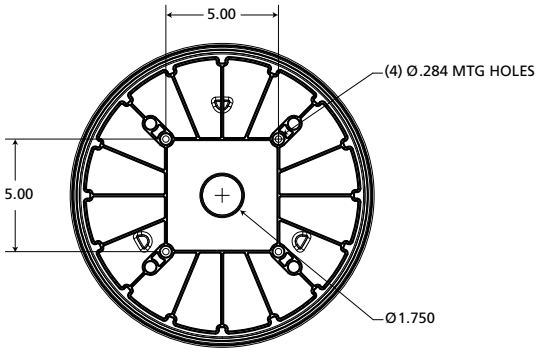
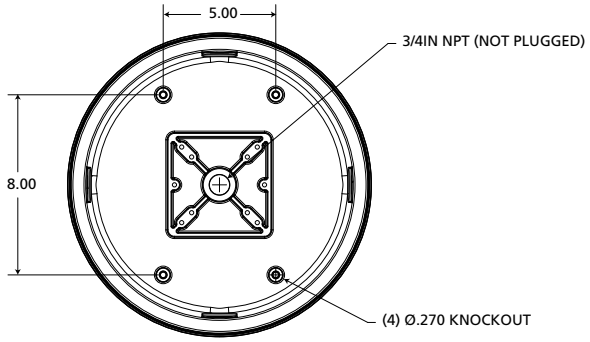
DIMENSIONAL DATA

14" FIXTURE

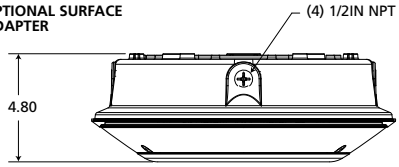




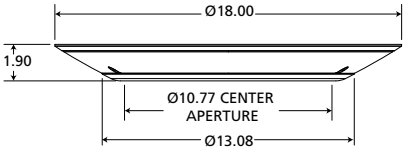
OPTIONAL LEL

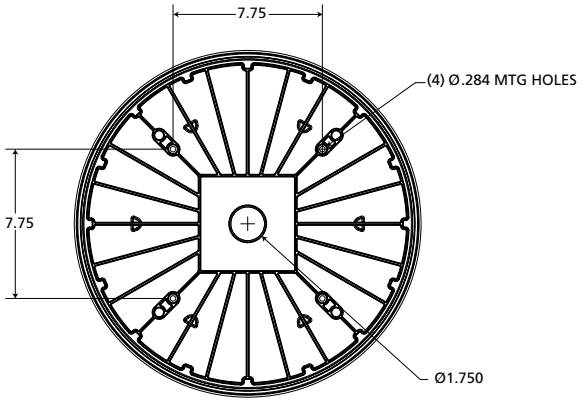


OPTIONAL SURFACE ADAPTER



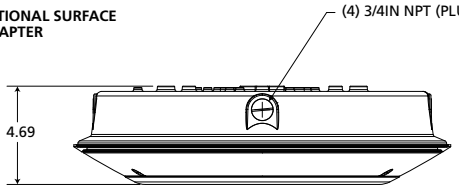
18" FIXTURE

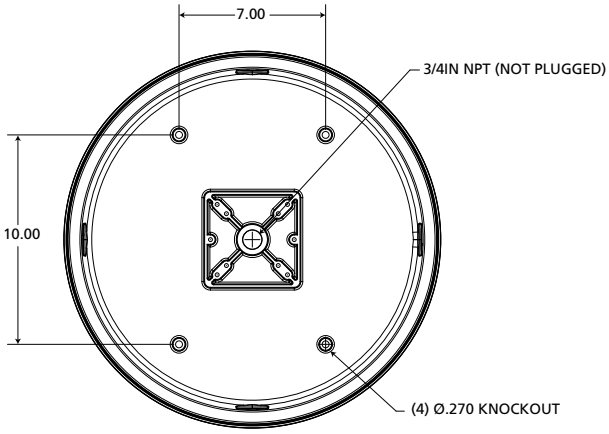




OPTIONAL LEL

OPTIONAL SURFACE ADAPTER





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