PROJECT:	
TYPE:	
OLIA NITITY	



PN: HAI

APPLICATION	PENDANT MOUNTINDOOR OR OUTDOOR RATED
DIMENSION	• 9", 10", 12", 15", 18", 20" (23CM, 25CM, 31CM, 38CM, 45CM, 51CM)
ILLUMINATION	DIRECTLED 90CRI1,083 - 2,894 LUMENS
ELECTRICAL	120V, 277V, AND 347V10kA SURGE SUPRESSION STANDARD
DIFFUSERS	CLEAR OR FROSTED, TEMPERED GLASS GLOBE
MOUNTING	 120" (305CM) BLACK OR WHITE DROP CORD W/ AIRCRAFT CABLE (OPTIONAL) 1" TO 60" (2.5CM TO 152CM) STEM MOUNT
CONSTRUCTION	ALUMINUM, SOLID COPPER, OR STEEL
FINISHES	 AVAILABLE IN SEVERAL TMS SPECIALTY, AND POWDER COATED FINISHES CUSTOM RAL FINISHES AVAILABLE
DIMMING	0 - 10V STANDARD DIMMING
WEIGHT	• 3 LBS MINIMUM, 6.25 LBS MAXIMUM
TTLIGIII	- 3 LD3 WIIIVIIVIOWI, 0.23 LD3 WIA/MWIOWI



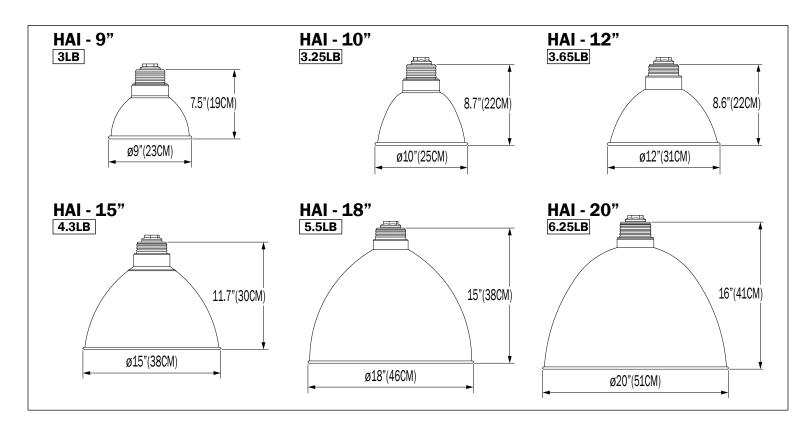


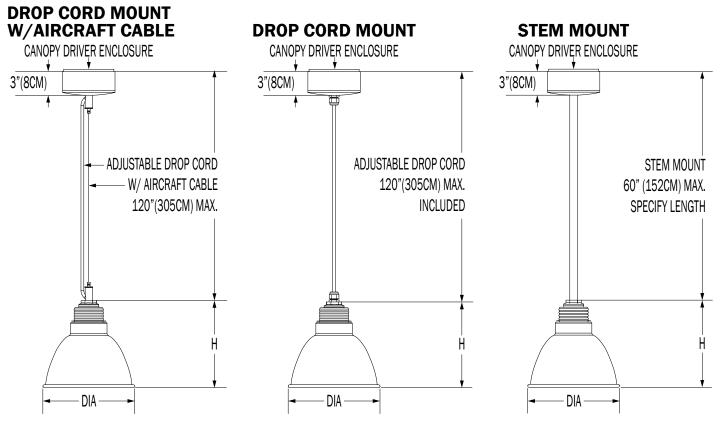


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HAI -	1	2	3	4	5	6 7		9	10	11	12	13	
1.									C				
APPLICATION			INDO	OOR					OUTD	00R			
2.	9 ¹ 10 ²				12 ³		15 ³		18 ⁴		204		
DIAMETER	9"DIA. (230	CM)	10"DIA.	(25CM)	12"DIA. (31CM)		15"DIA. (38CM)		18"DIA. (46CM)		20"DIA. (51CM)		
3.	100IN 200IN				15LED			6LED ⁹	19LED		32LED		
ILLUMINATION	MED BASE MED BASE (MAX 100W INC) (MAX 100W INC)			-	15	SW LED	PAR38 4I 1400 LUMEN REF	16W LED PAR38 40° E26 MED. BASE. 1400 LUMENS (27/30/35/40/50K) REFER TO PAGE 7		19W LED		32W LED	
4.	CRD	CO)1	C 06	C12	: C:	18	C24	C 36	C	:48	C 60	
MOUNTING	120"(305CM) DROP CORD	1"(2.5 STEM N		6"(15CM) EM MOUNT	12"(31) STEM M		H6CM) MOUNT	24"(61CM) STEM MOUNT	36"(91CM STEM MOU		L22CM) MOUNT	60"(152CM) STEM MOUNT	
5.		_	-			В	c			'	vc		
CORD		NOI	NE			BLACK DF	ROP CORD			WHITE D	ROP CORD)	
6.					30K 3			35K	40К				
	NONE				3000 3500			3500	4000				
LED CCT		NONE			3000						1000		
7		12	20		3000	27	77			5	347		
					3000		77 7V						
7	ADDITIONAL	120 120 AND PRE	OV		F04	27 F05	7V F15	F16	FC	3	347 47V F31	F18	
7 VOLTAGE	ADDITIONAL	120 120 AND PRE	OV	RT N		27	7V	F16	S DEW	3 99	347 47V		
7 VOLTAGE	ADDITIONAL AVAILABLI F06	120 120 AND PRE E. SEE FIN	MIUM FINISI	PT N	F04 MATTE WHITE F10	F05 GLOSS WHITE F11	7V F15 MATTE BLACK F13	F16 GLOSS BLACI F14	S PEW	3 199 TER N	F31 SILVER METALLIC F22	F18 SATIN ALUMINUM F25	
7 VOLTAGE 8.	ADDITIONAL AVAILABLI	120 120 AND PRE E. SEE FIN	MIUM FINISI IISHES CHAR	D8	F04 MATTE WHITE	F05 GLOSS WHITE	7V F15 MATTE BLACK	F16 GLOS: BLACI F14 T SUNSHI	S PEW F2 NE ARG	3 19 TER N 11 CH. H	F31 SILVER METALLIC	F18 SATIN ALUMINUM	
7 VOLTAGE 8.	ADDITIONAL AVAILABLI F06 CLAY	120 AND PREE. SEE FIN FO7 ZEUS	MIUM FINISI IISHES CHAR	D8 IIGHT	F04 MATTE WHITE F10 FIRE	F05 GLOSS WHITE F11 CITRUS	7V F15 MATTE BLACK F13 FORES	F16 GLOS: BLACI F14 T SUNSHI	S PEW F2 NE ARG	399 TER N	F31 SILVER METALLIC F22 HARVEST	F18 SATIN ALUMINUM F25 MELTED	
7 VOLTAGE 8. FINISH ⁵	ADDITIONAL AVAILABLI F06 CLAY BROWN	120 AND PREE. SEE FIN FO7 ZEUS	MIUM FINISIISHES CHAR F(MIDN BL G CLEAR, EL	D8 IIGHT UE	F04 MATTE WHITE F10 FIRE RED	F05 GLOSS WHITE F11 CITRUS ORANGE	F15 MATTE BLACK F13 FORES GREEN CLEAR,	F16 GLOS: BLACI F14 T SUNSHI N YELLO	PEW F2 NE ARC W BRO G1 CLEAR, EL	TER NEL HAZE TONGATED,	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, E	F18 SATIN ALUMINUM F25 MELTED PLATINUM	
7 VOLTAGE 8. FINISH ⁵ 9. GLOBE/	ADDITIONAL AVAILABLI F06 CLAY BROWN	120 AND PREE. SEE FIN FO7 ZEUS	MIUM FINISIISHES CHAR F(MIDN BL G CLEAR, EL	DB BIGHT UE 1	F04 MATTE WHITE F10 FIRE RED	F05 GLOSS WHITE F11 CITRUS ORANGE G2	F15 MATTE BLACK F13 FORES GREEN CLEAR,	F16 GLOS: BLACI F14 T SUNSHI YELLO G9 ELONGATED,	PEW F2 NE ARC W BRO G1 CLEAR, EL	TER NEL HONGATED, AST GUARD	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, E	F18 SATIN ALUMINUM F25 MELTED PLATINUM G12 LONGATE, LARGE	
7 VOLTAGE 8. FINISH ⁵ 9. GLOBE/ LENS ⁶	ADDITIONAL AVAILABLI F06 CLAY BROWN	120 AND PREE. SEE FIN FO7 ZEUS	MIUM FINISIISHES CHAR F(MIDN BL G CLEAR, EL	DBS IIGHT UE ONGATED DBE	F04 MATTE WHITE F10 FIRE RED	F05 GLOSS WHITE F11 CITRUS ORANGE G2	F15 MATTE BLACK F13 FORES GREEN CLEAR,	F16 GLOS: BLACI F14 T SUNSHI YELLO G9 ELONGATED, GE GLOBE	PEW F2 NE ARC W BRO G1 CLEAR, ELI GLOBE W/ C	TER NET CH. PROPERTY OF THE PR	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, EI GLOBE V	F18 SATIN ALUMINUM F25 MELTED PLATINUM G12 LONGATE, LARGE N/ CAST GUARD	
7 VOLTAGE 8. FINISH ⁵ 9. GLOBE/ LENS ⁶ 10.	ADDITIONAL AVAILABLI F06 CLAY BROWN	120 AND PREE. SEE FIN FO7 ZEUS	MIUM FINISI IISHES CHAR F(MIDN BL CLEAR, EL GLC	DBS IIGHT UE ONGATED DBE	F04 MATTE WHITE F10 FIRE RED	F05 GLOSS WHITE F11 CITRUS ORANGE G2 ROSTED GLOBE	F15 MATTE BLACK F13 FORES GREEN CLEAR,	F16 GLOS: BLACI F14 T SUNSHI YELLO G9 ELONGATED, GE GLOBE	PEW F2 NE ARC W BRO G1 CLEAR, ELI GLOBE W/ C	TER NET CH. PROPERTY OF THE PR	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, EI GLOBE V	F18 SATIN ALUMINUM F25 MELTED PLATINUM G12 LONGATE, LARGE N/ CAST GUARD	
7 VOLTAGE 8. FINISH ⁵ 9. GLOBE/ LENS ⁶ 10. DIMMING	ADDITIONAL AVAILABLI F06 CLAY BROWN	AND PREE. SEE FIN	MIUM FINISI IISHES CHAR F(MIDN BL CLEAR, EL GLC	DBS IIGHT UE ONGATED DBE NE	F04 MATTE WHITE F10 FIRE RED FG	F05 GLOSS WHITE F11 CITRUS ORANGE G2 ROSTED GLOBE	F15 MATTE BLACK F13 FORES GREEN CLEAR, LARG	F16 E GLOSE BLACE F14 T SUNSHI YELLO G9 ELONGATED, GE GLOBE LED DIMI	PEW F2 NE ARC W BRO G1 CLEAR, EL- GLOBE W/ C DIF	TER NET CH. PROPERTY OF THE PR	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, EI GLOBE V	F18 SATIN ALUMINUM F25 MELTED PLATINUM G12 LONGATE, LARGE N/ CAST GUARD	
7 VOLTAGE 8. FINISH ⁵ 9. GLOBE/ LENS ⁶ 10. DIMMING 11. EMERGENCY ⁷ 12.	ADDITIONAL AVAILABLI F06 CLAY BROWN NONE	AND PREE. SEE FIN	MIUM FINISI IISHES CHAR F(MIDN BL CLEAR, EL GLC	DBE NE EM	F04 MATTE WHITE F10 FIRE RED FG	F05 GLOSS WHITE F11 CITRUS ORANGE G2 ROSTED GLOBE INTEGRAL	F15 MATTE BLACK F13 FORES GREEN CLEAR, LARG	F16 E GLOS: BLACI F14 T SUNSHI YELLO G9 ELONGATED, GE GLOBE LED DIM	PEW F2 NE ARC W BRO G1 CLEAR, ELI GLOBE W/ C DIF MING (0 - 10V EMR	TER NEL HONGATED, CAST GUARD	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, EI GLOBE V - SINKING) EN	F18 SATIN ALUMINUM F25 MELTED PLATINUM G12 LONGATE, LARGE N/ CAST GUARD	
7 VOLTAGE 8. FINISH ⁵ 9. GLOBE/ LENS ⁶ 10. DIMMING 11. EMERGENCY ⁷	ADDITIONAL AVAILABLI F06 CLAY BROWN NONE	AND PREE. SEE FIN	MIUM FINISIIISHES CHAR F(MIDN BL CLEAR, EL GLO	DBE NE EM	F04 MATTE WHITE F10 FIRE RED FG	F05 GLOSS WHITE F11 CITRUS ORANGE G2 ROSTED GLOBE INTEGRAL	F15 MATTE BLACK F13 FORES GREEN CLEAR, LARG	F16 E GLOS: BLACI F14 T SUNSHI YELLO G9 ELONGATED, GE GLOBE LED DIM	PEW F2 NE ARC W BRO G1 CLEAR, ELI GLOBE W/ C DIF MING (0 - 10V EMR	TER NEL HONGATED, AST GUARD	F31 SILVER METALLIC F22 HARVEST GOLD CLEAR, EI GLOBE V - SINKING) REMOTE	F18 SATIN ALUMINUM F25 MELTED PLATINUM G12 LONGATE, LARGE N/ CAST GUARD WCR COLD PACK	
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1. SIZE 9" IS ONLY AVAILABLE FOR 100IN AND 15LED.
2. SIZE 10" IS ONLY AVAILABLE FOR 100IN AND 15LED, AND 17LED
3. SIZES 12" AND 15" ARE NOT AVAILABLE FOR 200IN AND 32LED
4. SIZES 18" AND 20" ARE NOT AVAILABLE FOR 15LED
5. A CLEAR COAT IS APPLIED TO COPPER. PATINA WILL FORM OVER TIME
6. GLOBES AND EMERGENCY ARE NOT AVAILABLE WITH THE 17W LED PAR 38 LAMPS
7. 1.0W AT 90 MINUTES. EMERGENCY OPTION IS ONLY AVAILABLE IN 120 - 277V SYSTEMS
8. MAY BE REQUIRED TO COMPLY WITH LOCAL SEISMIC/EARTHQUAKE CODE
9. SEE PAGE 7 FOR MORE DETAILS PERTAINING TO THE 16W LED PAR 38 LAMPS
NOTE: SOME OPTIONS MAY NOT BE COMPATIBLE WITH OTHERS. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CONTACT TMS LIGHTING FOR UPDATED SPECIFICATIONS.





CUSTOM

NOTE: THIS FIXTURE CAN BE CUSTOMIZE, DIBENSION, LAMP TYPES, ENCLOSURE, AND COLOR CAN BE MODIFIED TO SUIT YOUR LIGHTING AND ARCHITECTURAL REQUIREMENTS. CONTACT YOUR LOCAL REPRESENTATIVE FOR MODE DETAILS: https://doi.org/10.1009/s0168-0369915.html



DIRECT

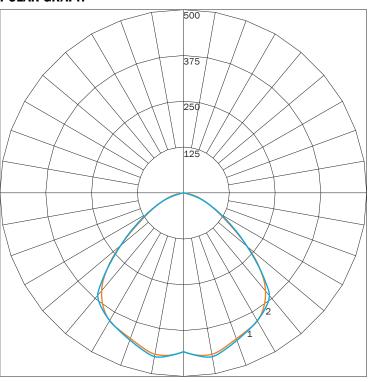
PN	SIZE (DIA)	ILLUMINATION	LUMENS	WATTAGE
	9	100INC	1093	100
	9	15LED	1102	15
	10	100INC	1166	100
	10	15LED	1103	15
		100INC	1217	100
	12	15LED	1096	15
	HAI 15	19LED	1878	19
		100INC	1236	100
nai		15LED	1083	15
		19LED	1860	19
		200INC	2534	200
		19LED	1856	19
		32LED	2894	32
		200INC	2471	200
	20	19LED	1844	19
		32LED	2843	32

IES INDOOR REPORT PHOTOMETRIC FILENAME: HAI 9 100IN.IES

IES INDOOR REPORT

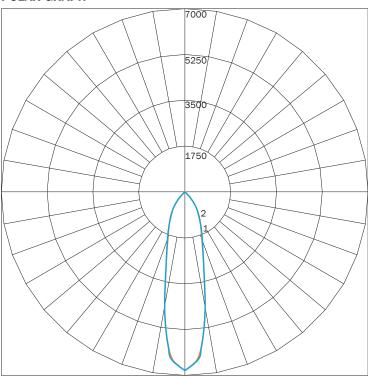
PHOTOMETRIC FILENAME: HAI 20 32LED.IES

POLAR GRAPH



MAXIMUM CANDELA = 467.71 LOCATED AT HORIZONTAL ANGLE = 22.5, VERTICAL ANGLE = 10 # 1 - VERTICAL PLANE THROUGH HORIZONTAL ANGLES (90 - 270) # 2 - VERTICAL PLANE THROUGH HORIZONTAL ANGLES (0 - 180)

POLAR GRAPH



MAXIMUM CANDELA = 6818.64 LOCATED AT HORIZONTAL ANGLE = 0, VERTICAL ANGLE = 0 # 1 - VERTICAL PLANE THROUGH HORIZONTAL ANGLES (90 - 270) # 2 - VERTICAL PLANE THROUGH HORIZONTAL ANGLES (0 - 180)

LUMINAIRE LUMENS	1093	LUMINAIRE LUMENS	2843
TOTAL LUMINAIRE EFFICIENCY	64%	TOTAL LUMINAIRE EFFICIENCY	NA
LUMINAIRE EFFICACY RATING	11	LUMINAIRE EFFICACY RATING	78
TOTAL LUMINAIRE WATTS	100	TOTAL LUMINAIRE WATTS	36

FINISHES



F04 MATTE WHITE



F05 **GLOSS** WHITE



F15 MATTE **BLACK**



F16 GLOSS BLACK



F09 **PEWTER**



F31 **SILVER** METALLIC



F18 SATIN ALUMINUM



F40 **BUBBLE PINK**



F10 **FIRE RED**



F41 **ELECTRIC PURPLE**



F08 **MIDNIGHT BLUE**



F39 AQUA BĽUE



F13 FOREST GREEN



F38 **MEADOW GREEN**



F45 COPPER **METALLIC**



F06 CLAY **BROWN**



F11 **CITRUS** ORANGE



F28 DARK CHAMPAGNE



F22 HARVEST GOLD



F14 SUNSHINE YELLOW



F33 **PYRITE BRONZE**



F07 **ZEUS BROWN**



F32 **BRONZE METALLIC**



F26 MELTED **COPPER**



F21 ARCH BRONZE



F25 **MELTED** GOLD



F24 **MELTED PLATINUM**



RAL CUSTOM (RAL #)

PREMIUM FINISHES



F44 **FAUX** COPPER



F43 **FAUX** GOLD



F42 **FAUX CHROME**

PREMIUM MATERIALS



BR¹² **BRUSHED** ALUMINUM



SS12 **STAINLESS** STEEL



CO12 SOLID COPPER



AN¹² **ANODIZED**

1: FINISHES IS APPLIED TO THE INTERIOR AND EXTERIOR OF THE FIXTURE.

2: MATERIALS ARE CONSISTENT (INTERIOR & EXTERIOR). STEMS AND CANOPIES WILL BE F16 GLOSS BLACK. NOTE: ALL FINISHES NOT MARKED WITH NOTATION (1) ARE APPLIED TO THE EXTERIOR ONLY. THE INTERIOR WILL BE F05 GLOSS WHITE. MATTE FINISHES AVAILABLE. CONSULT FACTORY.

FINISHES ARE SUBJECT TO AVAILABLILITY AND MAY NOT BE APPLICABLE TO ALL FIXTURES OR FOR QUICKSHIP.

DISPLAYED FINISHES DIFFER BETWEEN SCREENS AS WELL AS PRINTERS AND MAY NOT ACCURATELY DEPICT COLOR.

16W LED PAR 38 40° MED BASE

HD-PAR/I90/5CCT





FEATURES & BENEFITS

5 FIELD SELECTABLE CCT'S (27/30/35/40/50K)

HIGH CRI (90+)

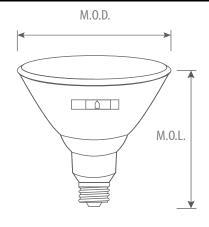
GLASS LENS

25,000 HRS AVERAGE LIFE

WET LOCATION RATED

DIMMABLE

DIMENSIONAL DRAWING



MODEL NUMBER	WATTAGE (W)	BASE	VOLTAGE (V)	HOUR RATING	BEAM ANGLE	INITIAL LUMENS(LM)	CCT(K)	CRI	ENCLOSED FIXTURE APPLICATION	WET LOCATION	M.O.D. (INCH)	M.O.L. (INCH)
16W LED	16	E26	120	25,000	40°	1400	27/30/35/40/50	90	NO	YES	4.8	5.31

