



Job Name:

Type:

Part #:

Notes:

HMSF Series

Maximum Security Low Profile LED Ceiling Mount

SPECIFICATIONS:

Mounting: Surface mounts to ceiling.

Housing: Clamshell Housing One piece, die formed cold rolled steel with seams welded and ground smooth and 14 gauge lens retainers. Hinge free housing removes completely from back-plate and hangs freely from either side for ease of installation. 304 Stainless steel available. Back Plate 16 gauge die-formed cold rolled steel with continuous drop channel providing contraband drop slot / irretrievable blade trap.

Internal Lens: Optic Plus lens (standard) completely hides diode image while providing greater than 90% light transmission.

Finish: Polyester powder-coated after phosphate pre-treatment for superior adhesion and corrosion resistance.

White Standard, Brushed stainless steel available.

Hardware: Recessed, stainless steel, tamper-proof fasteners.

Driver: 0-10Vdc 1% dimming, >0.9 PF, <20% THD Factory programmable.

Operating temp: -40°C Min. to 50°C Max

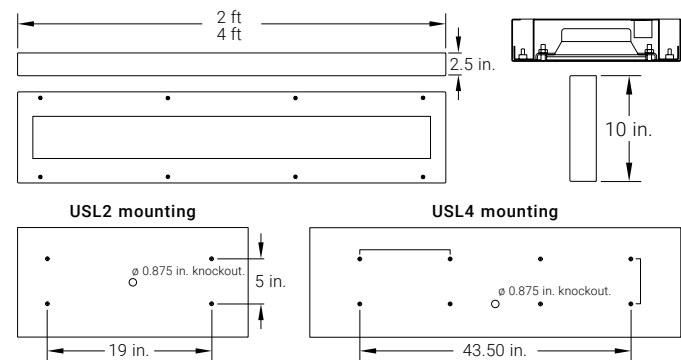
Wiring: Driver provided with pre-wired 3-wire self-aligning input power quick disconnect and 2-wire quick disconnect to LED module.

Certifications

- UL Listed damp or wet location. (Covered ceilings only)
- IP66 Rated, optional IP67 Rating available.
- Constructed to pass MIL-S-901 Grade A, Type A, High Impact Shock Test and MIL-S-167 Type 1, Vibration Test



DIMENSIONS



ORDERING INFORMATION

ORDERING GUIDE

Series	Luminary Size	LED Designation	Voltage	CCT	CRI	Material Gauge	Material	Finish
HMSF	2 = 2 ft. fixture	Refer to the LED	V = Variable, 120-	S = 3000K	8 = 80 CRI	MIN = 16 gauge, minimum security	CR = Cold Rolled: Standard	W = White: Standard
	4 = 4 ft. fixture	Source Table on	277V, 50/60Hz	T = 3500K	9 = 90 CRI	MED = 14 gauge, medium security	SS = Stainless Steel	B = Brushed
		Page 2 for available	HV1 = 347VAC, 60Hz	I = 4000K		MAX = 12 gauge, maximum security		(Stainless Steel Only)
		options.		C = 5000K				
Internal Lens		External Lens		Door Fasteners		Electrical Access	UL Listing	Accessory
OP = Optic Plus LED diffusing acrylic, standard DL = .125 in. LED diffusing Lexan PA = .125 in. K12 prismatic acrylic PP1 = .125 in K12 prismatic polycarbonate PP2 = .156 in. K12 prismatic polycarbonate PP3 = .187 in. K12 prismatic polycarbonate PT = .156 in. C73 prismatic tempered glass		CL1 = .187 in. clear polycarbonate CL2 = .250 in. clear polycarbonate CL3 = .375 in. clear polycarbonate CL4 = .500 in. clear polycarbonate CT1 = .187 in. clear tempered glass CT2 = .250 in. clear tempered glass CT3 = .375 in. clear tempered glass		AH = Stainless steel allen head with pin TH = Stainless steel torx head with pin N = Phillips, non-security		B = 0.875 in. diameter knockout(s), standard	DL = Damp Location WL = Wet Location (IP66)	2W = Two-circuit wired CA = Canadian UL Listing EM = Emergency battery backup F = Fuse holder IO = Integral Occ Sensor NIL = Night light, LED (Amber available) 5-100% Adjustable SB = Stainless Steel Backplate IP = IP67 Rated

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							CRI		LED Life	
							>80		>100,000	
LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts	
	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W	Delivered Lumens	L/W		
2' Fixture										
1W24	2438	106	2475	108	2548	111	2619	114	23.0	
2W45	4484	113	4551	115	4685	118	4816	122	39.6	
2W60	6000	109	6091	111	6270	114	6446	118	54.8	
4' Fixture										
1W25	2534	114	2572	115	2648	119	2722	122	22.3	
1W45	4484	113	4551	115	4685	118	4816	122	39.6	
1W60	6000	109	6091	111	6270	114	6446	118	54.8	
2W80	7723	114	7839	116	8070	119	8296	123	67.6	
2W109	10521	112	10680	114	10994	117	11302	121	93.7	
2W125	12001	109	12181	111	12540	114	12891	118	109.6	

Delivered lumen output calculated using 122 inner lens and 32 (.250" Clear Polycarbonate) outer lens (Highlighted below).

Lens Multiplier- Use the multipliers below to adjust the delivered lumens					
Internal Lens			External Lens		
53	.125 in. K12 prismatic acrylic	1.00	30	.187" Clear polycarbonate	1.02
12	.125 in K12 prismatic polycarbonate	.98	32	.250" Clear Polycarbonate	1.00
15	.156 in. K12 prismatic polycarbonate	.97	36	.375" Clear polycarbonate	.96
16	.187 in. K12 prismatic polycarbonate	.95	38	.500" Clear polycarbonate	.92
75	.156 in. C73 prismatic tempered glass	.97	90	.187" Clear tempered glass	1.04
122	Optic Plus diffusing acrylic	1.00	92	.250" Clear tempered glass	1.03
90 CRI Multiplier		.86	96	.375" Clear tempered glass	.99

Specified Output Option

Programmable drivers allows us to deliver a specific lumen output. If none of the options in the chart above fit your application, let us know the desired lumen output and we will do the rest. See the example how this will be specified.

Example Model:

HMSF-XX1____-OP-CL1-(XX2/LUMENS)

LUMENS = You provide the lumens.

XX1 = We will determine the number of rows. XX2 =

We will provide the wattage information.