



The FHN series is designed for use in all levels of correctional facilities and high abuse applications.

Mounting

Mounts recessed in metal pan or gypsum ceiling with universal mounting brackets.

Housing

Die-formed cold rolled steel with seams welded and ground smooth. 304 Stainless steel available.

Door

One piece, die formed cold rolled steel door with 14 gauge lens retainers and a full length welded pin piano hinge. 304 Stainless steel available.

Internal Lens

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

Finish

Polyester powder-coated after phosphate pretreatment for superior adhesion and corrosion resistance. Brushed stainless available.

Hardware

Recessed, stainless steel, tamper-proof fasteners.

Driver

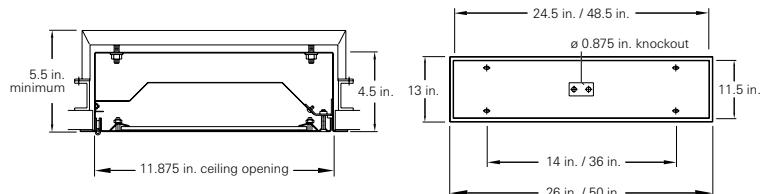
0-10Vdc 1% dimming, >0.9 PF, <20% THD
Factory programmable, Operating temp -40°C Min. to 50°C Max

Wiring

Access plate with two .875 in. diameter knockouts. 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. IP54 rated.



	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen
FHN	-	-	/	-	-	-	-	-	DM	-	/	-	-	
one	Luminaire Size			seven	Finish					twelve	Door Fasteners			
2	2 ft fixture			R	Brushed (stainless steel only)					AP	Stainless steel allen head with pin			
4	4 ft fixture			W	White					TP	Stainless steel torx head with pin			
two	LED Source			eight	Voltage					PH	Phillips, non-security			
	Refer to the LED Source Table on Page 2 for available options.			VAR	Variable, 120-277 V, 50/60Hz					D	UL Listing			
				347	347VAC, 60Hz					W	Damp Location			
three	Color Temperature			nine	Driver					fourteen	Wet Location			
30	3000K			DM	0-10Vdc Dimming, standard					SO	Specified output*			
35	3500K									2C	Two-circuit wired			
40	4000K									CP	CCEA Chicago			
50	5000K									CU	Canadian UL Listing			
four	CRI			ten	Internal Lens					EM	Emergency battery backup			
80	80 CRI			122	Optic Plus LED diffusing acrylic, standard					FH	Fuse and holder			
90	90 CRI			130	.125 in. LED diffusing Lexan					NL-LED	Night light, LED (Amber available)			
				53	.125 in. K12 prismatic acrylic					IMS	5-100% Adjustability			
				12	.125 in. K12 prismatic polycarbonate					PF	Integral Occupancy Sensor			
				15	.156 in. K12 prismatic polycarbonate						Plaster frame			
				16	.187 in. K12 prismatic polycarbonate									
five	Material Gauge			75	.156 in. C73 prismatic tempered glass									
N	18 gauge, minimum security			eleven	External Lens									
D	16 gauge, medium security			30	.187 in. clear polycarbonate									
X	14 gauge, maximum security			32	.250 in. clear polycarbonate									
six	Material			36	.375 in. clear polycarbonate									
C	Cold rolled steel			38	.500 in. clear polycarbonate									
S	Stainless steel			90	.187 in. clear tempered glass									
				92	.250 in. clear tempered glass									
				96	.375 in. clear tempered glass									

* Indicated as SO(xx/xxxx). Specified output, Input watts / delivered lumens to be determined based on specified requirements.

Modifications are available to meet custom requirements. Specifications and dimensions are subject to change without notice.

LED Source (Box 2)	3000K		3500K		4000K		5000K		Input Watts
	Delivered Lumens	L/W							
2' Fixture									
1W21	2048	89	2079	90	2140	93	2200	96	23.0
2W39	3766	95	3822	97	3935	99	4045	102	39.6
2W52	5041	92	5116	93	5267	96	5414	99	54.8
4' Fixture									
1W22	2129	95	2161	97	2225	100	2287	103	22.3
1W39	3766	95	3822	97	3935	99	4045	102	39.6
1W52	5041	92	5116	93	5267	96	5414	99	54.8
2W67	6488	96	6585	97	6779	100	6969	103	67.6
2W92	8838	94	8971	96	9235	99	9494	101	93.7
2W105	10081	92	10233	93	10534	96	10829	99	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

L.C. Doane programmable drivers allow 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:

FHN-XW^{SO}-40/80-DCW-VARDM-122/32-TPAW-(XXXXXX)

XW = We will determine the number of rows.

LUMENS = XXXXX