Day-Brite

CFI

by signify

Industrial

HCX Sealed high bay

15,000 & 22,000 lumens

The Day-Brite / CFI sealed high bay is an ideal choice where functional high bay lighting is needed with an aesthetic appeal. The round form factor lends itself to retail and institutional applications.

Project:

Location:

Cat.No:

Type:

Lumens: Qty:

Notes:

Ordering guide

Example: HCX15L840-UNV-DIM

Series	Lumens[1] (nominal)	Color Temp. (K)	Voltage	Dimming
HCX		840 –	–	DIM
HCX Sealed High Bay	15L 15,000 nominal delivered lumens 22L 22,000 nominal delivered lumens	**840** 80 CRI, 4000K	**UNV** Universal voltage 120-277V **347** 347V	**DIM** 0-10V

1. Nominal delivered lumens at 25°C ambient.

Many luminaire components, such as reflectors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

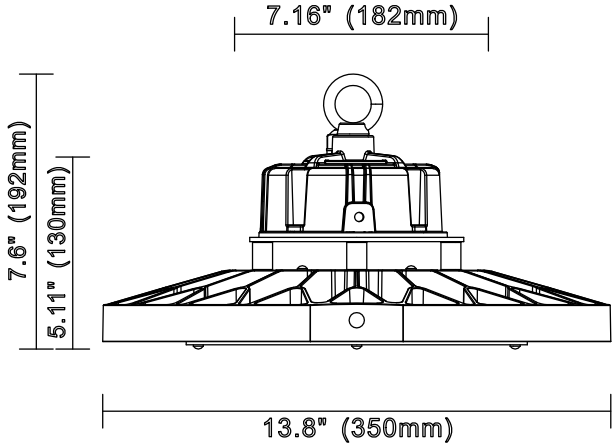
Features

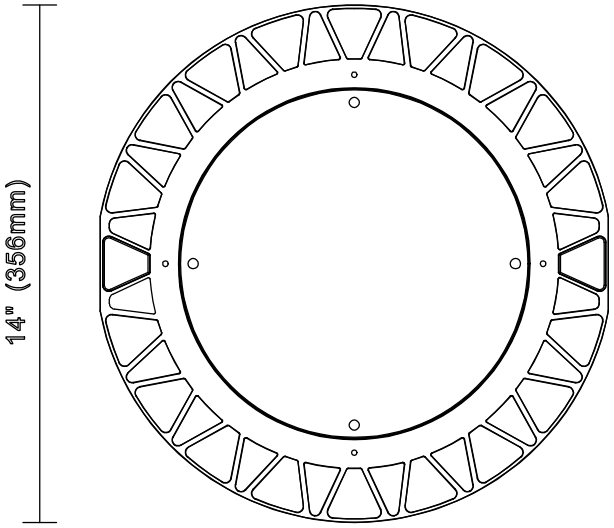
- Die cast frame and driver containment housing.
- Corrosion resistant finish.
- Heavy duty eyelet provided for connection to customer-supplied suspension.
- Lumen maintenance up to 70% (L70) at 50,000 hours.
- Exposed leads for wiring connection with sleeving for environmental protection.
- Five year limited luminaire warranty. Visit www.signify.com/warranties for complete warranty information.
- cULus listed for use in wet locations up to 40C ambient.
- IP65 rated.
- Components are RoHS compliant.
- DesignLights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (http://www.designlights.org/QPL)

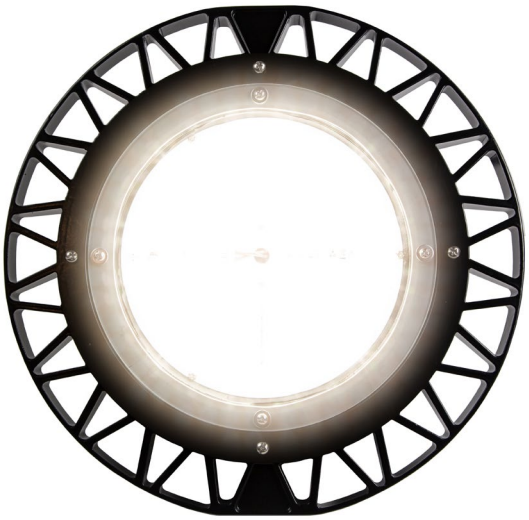
HCX LED sealed high bay

15,000 & 22,000 lumens

Dimensions







HCX LED sealed high bay

15,000 & 22,000 lumens

HCX sealed high bay, general distribution, 15,000 nominal delivered lumens

Catalog No.	HCX15L840-UNV-DIM
Test No.	39352
S/MH	1.3
Output	LED
Lumens/Lamp	15149
Input Watts	121
Efficacy	126

Comparative yearly lighting energy cost per 1000 lumens – $1.90 based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candela distribution

Vertical Angle	Horizontal Angle 0°	45°	90°	-45°
0	5299	5299	5299	5299
5	5285	5285	5285	5285
15	5147	5147	5147	5147
25	4844	4844	4844	4844
35	4377	4377	4377	4377
45	3723	3723	3723	3723
55	2892	2892	2892	2892
65	1877	1877	1877	1877
75	759	759	759	759
85	56	56	56	56

Light Distribution

Degrees	Lumens	% Luminaire
0- 30	4190	27.7
0- 40	6927	45.7
0- 60	12378	81.7
0- 180	15149	100.0

Average Luminance

Angle	End	45°	Cross
45	53568	53568	53568
55	51300	51300	51300
65	45186	45186	45186
75	29836	29836	29836
85	6550	6550	6550

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling (pcc)		80%			70%			50%	
Wall (pw)		70	50	30	70	50	30	50	30
RCR		Zonal cavity method - Effective floor reflectance = 20%							
Room Cavity Ratio	0	119	119	119	116	116	116	111	111
	1	109	105	101	107	103	99	98	95
	2	100	92	85	97	90	84	86	81
	3	91	81	73	88	79	72	76	70
	4	83	71	63	81	70	62	68	61
	5	76	64	55	74	63	54	60	53
	6	71	57	48	69	56	48	55	47
	7	65	52	43	64	51	43	50	42
	8	61	47	39	59	47	39	45	38
	9	57	43	35	55	43	35	42	34
	10	53	40	32	52	39	32	38	31

HCX sealed high bay, general distribution, 22,000 nominal delivered lumens

Catalog No.	HCX22L840-UNV-DIM
Test No.	39351
S/MH	1.3
Output	LED
Lumens/Lamp	20720
Input Watts	161
Efficacy	129

Comparative yearly lighting energy cost per 1000 lumens – $1.86 based on 3000 hrs. and $.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candela distribution

Vertical Angle	Horizontal Angle 0°	45°	90°	-45°
0	7432	7432	7432	7432
5	7414	7414	7414	7414
15	7225	7225	7225	7225
25	6800	6800	6800	6800
35	6143	6143	6143	6143
45	4905	4905	4905	4905
55	3824	3824	3824	3824
65	2501	2501	2501	2501
75	1048	1048	1048	1048
85	126	126	126	126

Light Distribution

Degrees	Lumens	% Luminaire
0- 30	5881	28.4
0- 40	9705	46.8
0- 60	16927	81.7
0- 180	20720	100.0

Average Luminance

Angle	End	45°	Cross
45	70583	70583	70583
55	67833	67833	67833
65	60213	60213	60213
75	41187	41187	41187
85	14699	14699	14699

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling (pcc)		80%			70%			50%	
Wall (pw)		70	50	30	70	50	30	50	30
RCR		Zonal cavity method - Effective floor reflectance = 20%							
Room Cavity Ratio	0	119	119	119	116	116	116	111	111
	1	109	105	101	107	103	99	98	95
	2	100	92	85	97	90	84	86	81
	3	91	81	73	89	79	72	76	70
	4	83	72	63	81	70	62	68	61
	5	77	64	55	75	63	55	61	53
	6	71	58	49	69	57	48	55	47
	7	66	52	44	64	51	43	50	42
	8	61	48	39	60	47	39	46	38
	9	57	44	36	56	43	35	42	35
	10	54	40	32	52	40	32	39	32

Photometric Test List

Catalog No.	Test No.	Delivered Lumens	Input Watts	Efficacy
HCX15L840-UNV-DIM	39352	15149	121	126
HCX22L840-UNV-DIM	39351	20720	161	129

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