Day-Brite by Signify

Industrial

HCY Sealed high bay

14,000 to 33,000 lumens



The Day-Brite / CFI HCY 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:	
Туре:	
Lumens:	Qty:
Notes:	

Example: HCY21L8CST-UN3-DIM

Ordering guide

Series	Lumens ¹	Color Temp. (K)	Voltage	Dimming
HCY		8CST -	UN3 -	DIM
HCY Sealed High Bay	14L 14,000 lumens 21L 21,000 lumens 28L 28,000 lumens 33L 33,000 lumens	8CST 80 CRI, Color Select (4000/5000K)	UN3 Universal voltage 120-347V	DIM 0-10V dimming

^{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.

Accessories (order separately)

 HCY-PRSM 16" Clear polycarbonate reflector for HCY14 and HCY21

16" Clear polycarbonate HCY-PRLG

reflector for HCY28 and HCY33

· HCY-SURFACE BKT SM Surface mount bracket for

HCY14 and HCY21

Surface mount bracket for · HCY-SURFACE BKT LG

HCY28 and HCY33







Features

- · Die cast frame and driver containment housing.
- · Corrosion resistant black finish.
- · Clear polycarbonate lens protects LEDs.
- · Heavy duty hook 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.
- 6' cord provided for power connection and dimming connection.
- Field CCT selectable for 4000K or 5000K.
- · cULus listed for use in wet locations for -20C to 50C ambient
- IP65 and NEMA4X rated.
- · Components are RoHS compliant.
- · DesignLights Consortium qualified. Please see the DLC QPL list for exact catalog numbers (www.designlights.org/QPL)
- · Five year limited luminaire warranty. Visit www.signify.com/warranties for complete warranty information.







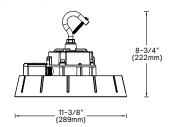


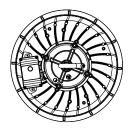
HCY LED sealed high bay

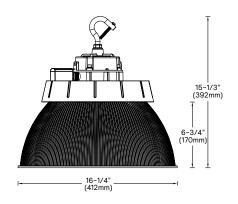
14,000 to 33,000 lumens

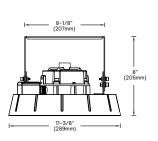
Dimensions

HCY14/HCY21

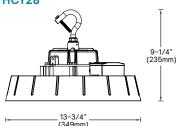


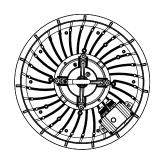


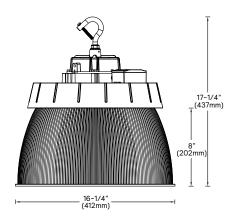


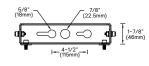


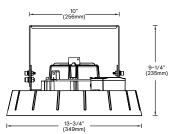
HCY28

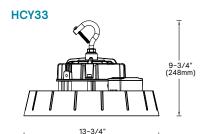


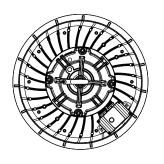


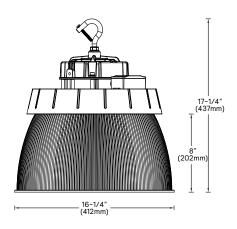


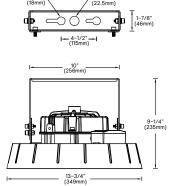












HCY LED sealed high bay

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Photometry

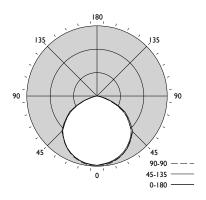
HCY21L8CST-UN3-DIM-4000K

 Luminaire Lumens
 21971

 Luminaire Efficacy Rating (LER)
 142.2

 Total Luminaire Watts
 154.5

 Spacing Criterion (0-180)
 1.29



Cand	Flux					
	0	90	180	270	360	Lumens
0	7801	7801	7801	7801	7801	
5	7730	7847	7726	7886	7730	739
15	7522	7589	7500	7700	7522	2132
25	7092	7099	7037	7290	7092	3275
35	6426	6374	6355	6641	6426	4018
45	5668	5489	5578	5891	5668	4289
55	4282	4089	4146	4525	4282	3795
65	2729	2357	2533	2959	2729	2619
75	957	664	803	1162	957	996
85	66	33	43	120	66	110
90	19	13	16	27	19	

Zonal Lui			
Zone	Lumens %Fixture		%Lamp
0-30	6146	28.0%	28.0%
0-40	10163	46.3%	46.3%
0-60	18248	83.1%	83.1%
0-90	21971	100.0%	100.0%
0-180	21971	100.0%	100.0%

Avg. Luminance (cd/m²)							
	0 45 90						
45	211706	202728	205033				
55	197180	189738	188275				
65	170576	156274	147325				
75	97667	76827	67711				
85	20095	14095	9837				

Coeffi	Coefficients of Utilization %										
Pc		8	0			70			50		0
Pw	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	110	105	101	98	107	103	99	99	96	93	86
2	100	92	86	80	97	90	84	87	82	77	72
3	91	81	73	67	89	80	72	77	70	65	61
4	84	72	63	57	81	71	63	68	61	56	52
5	77	64	55	49	75	63	55	61	54	48	45
6	71	58	49	43	69	57	48	55	48	42	39
7	66	52	44	38	64	51	43	50	43	37	35
8	61	48	39	33	60	47	39	46	38	33	31
9	57	44	36	30	56	43	35	42	35	30	28
10	53	40	32	27	52	40	32	39	32	27	25

Photometric Test List

Catalog No.	Delivered Lumens	Input Watts	Efficacy
HCY14L8CST-UN3-DIM(4000K)	14937	105	143
HCY14L8CST-UN3-DIM(5000K)	14583	104	140
HCY21L8CST-UN3-DIM(4000K)	21971	155	142
HCY21L8CST-UN3-DIM(5000K)	20864	150	139
HCY28L8CST-UN3-DIM(4000K)	29948	209	144
HCY28L8CST-UN3-DIM(5000K)	28989	208	140
HCY33L8CST-UN3-DIM(4000K)	35536	248	144
HCY33L8CST-UN3-DIM(5000K)	34032	241	141



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