



Lightolier 3D Printed Decorative High Bay, IHB series, takes a classic product redesigned in an integrated modern modular decorative form. It's not often that a traditional High Bay gets a complete redesign makeover! Light-weight yet durable polycarbonate construction reduces weight that helps ease handling during installation. Unleash your inner creator and select from a variety of color options to help tailor your design.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Qty: _____

Notes: _____

Light Engine¹

Example: 3DP IHB 10/14/20L 9CST UN3 DIM

Series	Lumens	Color Temperatures (CRI / CCT)	Voltage	Dimming
3DPIHB		9CST	UN3	DIM
3DPIHB 3D Printed Integrated High Bay	10/14/20L 10,000/14,000/20,000lm (selectable)	9CST 90CRI 3000K/3500K/4000K (selectable)	UN3 Universal voltage 120-347V	DIM 0-10V Dimming
	25/30/33L 25,000/30,000/33,000lm (selectable)	9CST 90CRI 3000K/3500K/4000K (selectable)	UN3 Universal voltage 120-347V	DIM 0-10V Dimming

Shade¹

Example: 3DP IHB BL M WHTL LF BKST LF

Series	Shapes	Sizes	↓ Lower Shade		↑ Upper Shade	
			Colors ²	Textures	Colors ²	Textures
3DPIHB						LF
3DPIHB 3D Printed Integrated High Bay	BL Bell	M Medium (use with 10/14/20L light engine) L Large (use with 25/30/33L light engine)	CL Clear WHTL Translucent White GYSM Smokey Grey	LF Layered Fine TC Tufted Coarse	BKST Satin Black BSST Satin Brass BZST Satin Bronze GYST Satin Grey SAGE Satin Sage WHST Satin White	LF Layered Fine
	CT Conical Tall	M Medium (use with 10/14/20L light engine) L Large (use with 25/30/33L light engine)	CL Clear WHTL Translucent White GYSM Smokey Grey	LF Layered Fine TC Tufted Coarse	BKST Satin Black BSST Satin Brass BZST Satin Bronze GYST Satin Grey SAGE Satin Sage WHST Satin White	LF Layered Fine
	CS Conical Short	M Medium (use with 10/14/20L light engine) L Large (use with 25/30/33L light engine)	N None	N None	BKST Satin Black BSST Satin Brass BZST Satin Bronze GYST Satin Grey SAGE Satin Sage WHST Satin White	LF Layered Fine
	CY Cylinder Short	M Medium (use with 10/14/20L light engine) L Large (use with 25/30/33L light engine)	N None	N None	BKST Satin Black BSST Satin Brass BZST Satin Bronze GYST Satin Grey SAGE Satin Sage WHST Satin White	LF Layered Fine

1. Light Engine and Shade must both be ordered. They are ordered as separate line items and ship separately.

2. Different colors, textures and custom logo options are available upon request, but will take a longer lead time to produce.

IHB Series

3D Decorative High Bay (medium & large)

Features

- Customizable:** choose from a wide variety of colors, textures, and styles to help personalize customer options.
- Sustainable:** 3D Printed products produce less carbon emissions when compared to traditional, conventional luminaires.
- Local production:** Printed & assembled in Littlestown, PA.
- Quick delivery:** Created on demand and shipped in weeks.
- Color Rendering Index:** Standard 90CR on all lumen packages.
- Selectable LM & CCT:** Gives the ability to switch between three different lumen packages and three different CCTs. Default factory settings: Highest LM and 4000K CCT.
- Emergency options:**
Emergency LED Driver, 40W, Black
IHB-EM-DVR-40W-BK
Emergency LED Driver, 40W, White
IHB-EM-DVR-40W-WH
Philips micro inverter, 25W
PI25J1UK50C1ADI1
Philips micro inverter, 50W
PI50J1UK50C1ADI1
Philips micro inverter mounting bracket
PMBPI2550

- Mounting options:** Hook Mount, provided.
Bracket Mount (available to order separately).
HCY-SURFACE BKT SM
Stem Adapter (available to order separately).
IHB-STEM-ADP-M
2-to-1 Cord extension kit -
Up to 20' (available to order separately).
3DPIHB-CORDEXTBLK20 (Black cord)
3DPIHB-CORDEXTWHT20 (White cord)
- Accessories:** Cable sleeve to capture both cords as one visual group
3DPIHB-CORDSLEEVEWHT10
- Flat frosted lens cover:**
for bottom of light engine
3DPIHB-FRELENSMEDIUM
3DPIHB-FRELENSLARGE

Electrical

- Lifetime:** B50 L70 at 100,000 hours
- Ambient Temp:** 40°C
- Frequency:** 50-60 Hz
- Power Factor:** > 0.90
- UGR:** < 28
- Dimming:** 0-10V
- Wattage:** 3DP I HB xx M - 10/14/20K
Lumen = 60/80/110 Watts
3DP I HB xx L - 25/30/33K
Lumen = 135/170/190 Watts
- Input Voltage:** 120/277/347V

Labels

cULus Listed, 5 year warranty,
Declare, LBC Red List Approved.
IP20 & RoHS, IK05

Buy American Act of 1933 (BAA)

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.

Photometric Test List

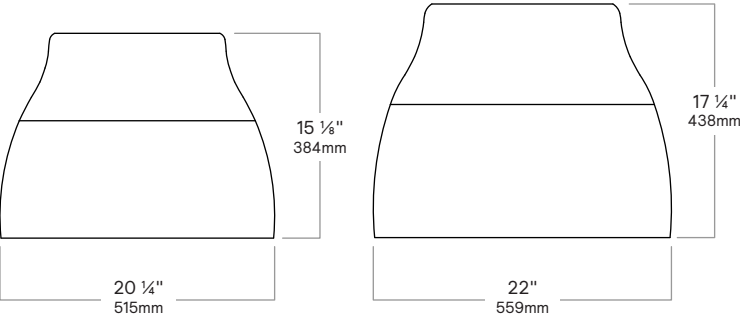
Ordering Code	Input Watts	BL Bell - Shade Clear			BL Bell Shade - Trans White			BL Bell Shade - Smokey Grey		
		Delivered Lumens	Efficacy	Uplight %	Delivered Lumens	Efficacy	Uplight %	Delivered Lumens	Efficacy	Uplight %
3DP IHB 10/14/20L 10000lm 3000K	58	9628	165	3.1	9210	157	5.0	8110	139	1.4
3DP IHB 10/14/20L 10000lm 3500K	58	9867	171	3.1	9446	164	5.0	8455	147	1.4
3DP IHB 10/14/20L 10000lm 4000K	59	10207	174	3.0	9842	168	4.9	8687	148	1.4
3DP IHB 10/14/20L 14000lm 3000K	78	12789	163	3.1	12264	156	5.0	10776	137	1.4
3DP IHB 10/14/20L 14000lm 3500K	77	13207	171	3.1	12649	164	5.0	11165	144	1.4
3DP IHB 10/14/20L 14000lm 4000K	78	13595	173	3.0	13028	166	4.9	11493	146	1.4
3DP IHB 10/14/20L 20000lm 3000K	109	17406	160	3.1	16706	153	5.0	14673	134	1.4
3DP IHB 10/14/20L 20000lm 3500K	107	18279	170	3.0	17473	162	5.0	15392	143	1.4
3DP IHB 10/14/20L 20000lm 4000K	109	18485	169	3.0	17828	163	4.6	15627	143	1.4
3DP IHB 25/30/33L 25000lm 3000K	133	21507	161	3.6	20404	153	6.5	17779	134	1.6
3DP IHB 25/30/33L 25000lm 3500K	131	22345	170	3.6	21232	162	6.5	18551	142	1.6
3DP IHB 25/30/33L 25000lm 4000K	134	22852	171	3.6	21677	162	6.4	18860	142	1.6
3DP IHB 25/30/33L 30000lm 3000K	168	26416	158	3.6	25088	150	6.5	21624	129	1.6
3DP IHB 25/30/33L 30000lm 3500K	165	28008	170	3.6	26731	162	6.1	23258	141	1.6
3DP IHB 25/30/33L 30000lm 4000K	168	28303	169	3.6	26981	161	6.1	23508	140	1.6
3DP IHB 25/30/33L 33000lm 3000K	187	28897	155	3.6	27583	148	6.5	23662	127	1.6
3DP IHB 25/30/33L 33000lm 3500K	183	32312	172	3.5	29601	161	6.1	25720	141	1.6
3DP IHB 25/30/33L 33000lm 4000K	186	31054	167	3.6	29649	159	6.1	25797	138	1.6

Ordering Code	Input Watts	CT Conical Tall Shade Translucent White			CT Conical Tall Shade Smokey Grey			CT Conical Tall Shade Smokey Grey			CS Conical Short Shade		CY Cylinder Short Shade	
		Delivered Lumens	Efficacy	Uplight %	Delivered Lumens	Efficacy	Uplight %	Delivered Lumens	Efficacy	Uplight %	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy
3DP IHB 10/14/20L 10000lm 3000K	58	9656	165	3.1	9333	160	5.4	8168	140	1.5	9938	170	9883	169
3DP IHB 10/14/20L 10000lm 3500K	58	9902	172	3.1	9576	166	5.3	8382	145	1.5	10190	176	10111	175
3DP IHB 10/14/20L 10000lm 4000K	59	10305	176	3.1	10021	171	5.2	8748	149	1.5	10746	183	10541	180
3DP IHB 10/14/20L 14000lm 3000K	78	12836	164	3.2	12412	158	5.4	10801	138	1.5	13181	168	13056	167
3DP IHB 10/14/20L 14000lm 3500K	77	13253	171	3.1	12842	166	5.3	11222	145	1.5	13642	176	13578	175
3DP IHB 10/14/20L 14000lm 4000K	78	13619	173	3.1	13168	168	5.3	11560	147	1.5	14007	178	13883	177
3DP IHB 10/14/20L 20000lm 3000K	109	17459	160	3.1	16871	155	5.4	14708	135	1.5	17994	165	17964	164
3DP IHB 10/14/20L 20000lm 3500K	107	18314	171	3.1	17683	165	5.3	15456	144	1.5	18945	176	18817	175
3DP IHB 10/14/20L 20000lm 4000K	109	18557	169	3.1	17931	164	5.3	15694	143	1.5	19062	174	18981	173
3DP IHB 25/30/33L 25000lm 3000K	133	21458	161	3.8	20467	154	6.3	17467	131	1.8	22139	166	22318	167
3DP IHB 25/30/33L 25000lm 3500K	131	22378	170	3.7	21374	163	6.2	18218	139	1.8	23070	176	23292	177
3DP IHB 25/30/33L 25000lm 4000K	134	22792	171	3.7	21721	163	6.2	18504	138	1.8	23479	176	23644	177
3DP IHB 25/30/33L 30000lm 3000K	168	26444	158	3.8	25236	151	6.3	21487	128	1.8	27268	163	27596	165
3DP IHB 25/30/33L 30000lm 3500K	165	27963	170	3.7	26838	163	5.9	23098	140	1.8	28704	174	28903	175
3DP IHB 25/30/33L 30000lm 4000K	168	28387	169	3.6	27179	162	5.9	23417	139	1.8	28907	172	29247	174
3DP IHB 25/30/33L 33000lm 3000K	187	29135	156	3.7	28055	151	5.9	23484	126	1.7	29978	160	30232	162
3DP IHB 25/30/33L 33000lm 3500K	183	30992	169	3.7	29711	163	5.9	25615	137	1.7	31682	173	31969	175
3DP IHB 25/30/33L 33000lm 4000K	186	31142	167	3.6	29943	160	5.9	25547	140	1.7	31703	170	32128	172

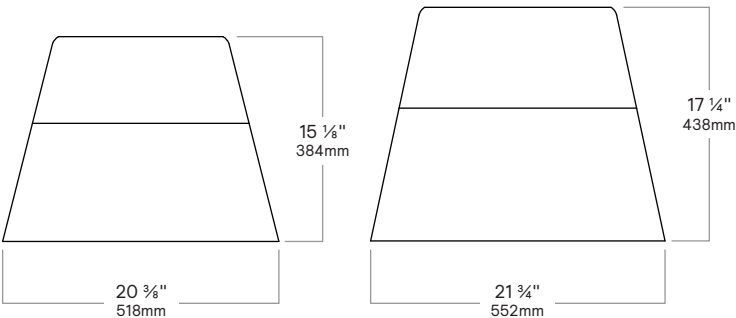
IHB Series

3D Decorative High Bay (medium & large)

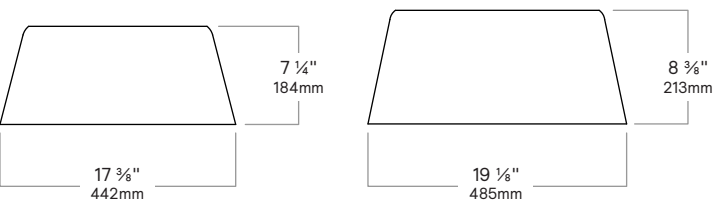
Bell
Layered Fine texture



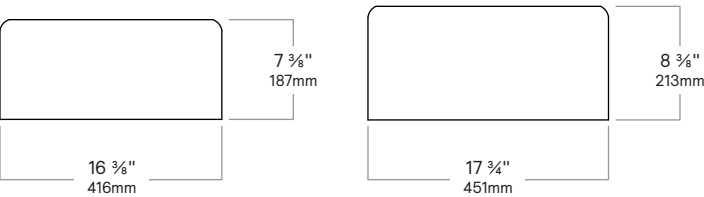
Conical Tall
Layered Fine texture



Conical Short
Layered Fine texture



Cylinder
Layered Fine texture



IHB Series

3D Decorative High Bay (medium & large)

Bell
Layered Fine texture lower shade



Bell
Tufted Coarse texture lower shade

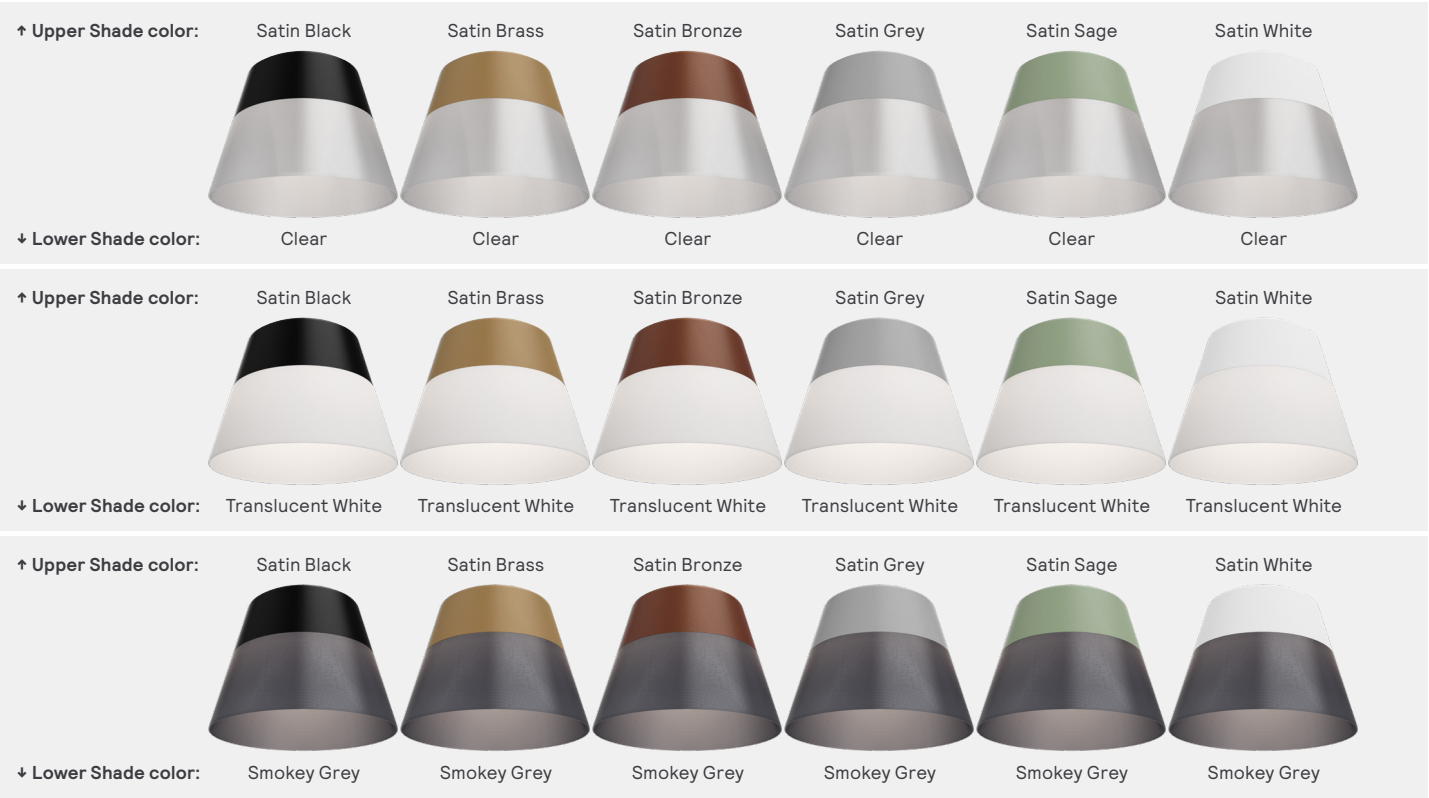


IHB Series

3D Decorative High Bay (medium & large)

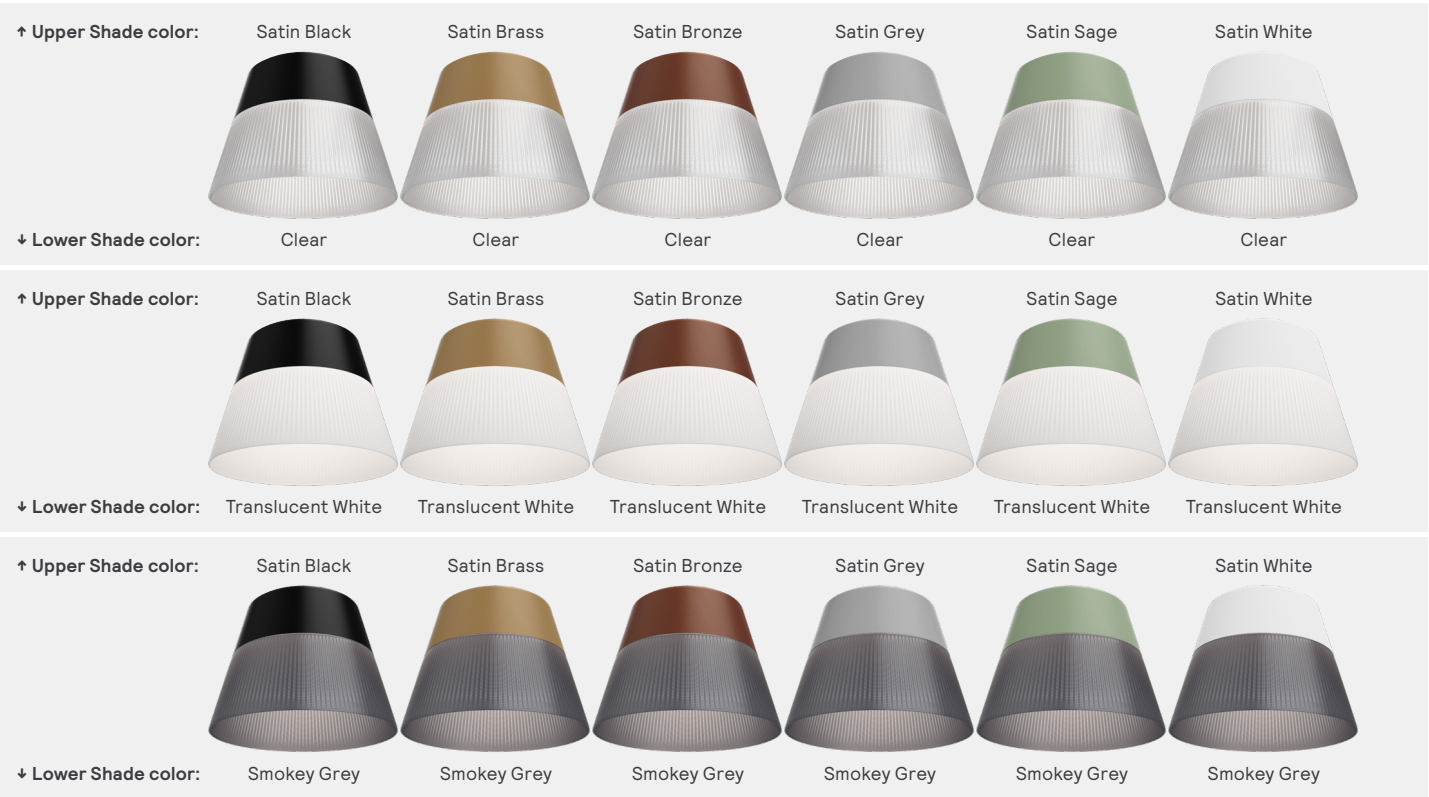
Conical Tall

Layered Fine texture lower shade



Conical Tall

Tufted Coarse texture lower shade

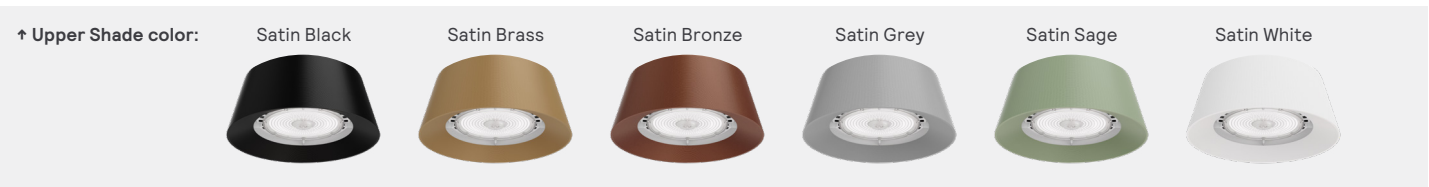


IHB Series

3D Decorative High Bay (medium & large)

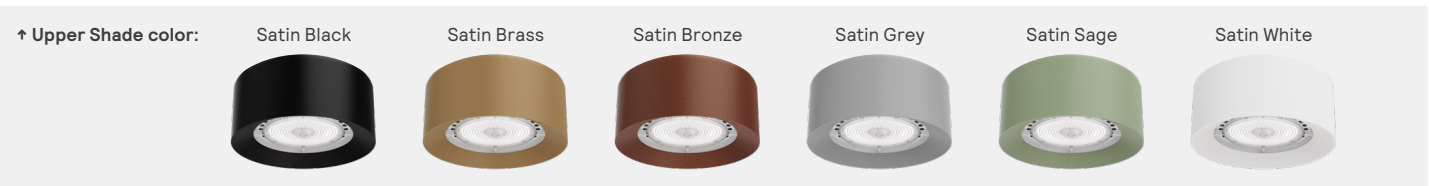
Conical Short

Layered Fine texture upper shade



Cylinder Short

Layered Fine texture upper shade



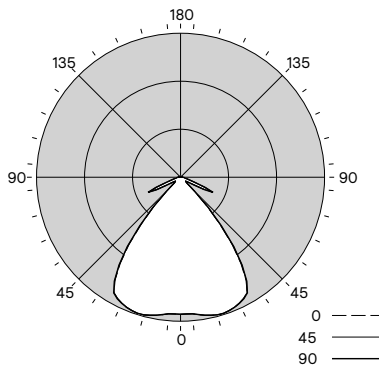
IHB Series

3D Decorative High Bay (medium & large)

Photometry

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB BL M CL LF xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 13595
Luminaire Efficacy Rating (LER): 173
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.32



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7327	7327	7327	7327	7327	
5	7335	7335	7328	7326	7332	706
15	7633	7626	7618	7620	7616	2153
25	7440	7405	7421	7436	7441	3421
35	5621	5647	5712	5737	5738	3423
45	1031	1028	1040	1057	1088	1031
55	402	378	396	397	402	413
65	1806	1812	1897	1935	1918	1365
75	402	391	388	385	391	465
85	201	200	197	191	190	207
90	131	132	129	126	128	
95	100	100	99	97	98	110
105	64	63	66	67	68	75
115	93	94	96	99	97	87
125	46	45	48	48	48	44
135	39	37	38	39	39	30
145	45	43	45	46	46	28
155	45	45	47	47	48	22
165	47	47	46	45	46	13
175	23	22	22	22	22	3
180	19	19	19	19	19	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				70			50			0
Pw---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	118	118	118	118	115	115	115	109	109	109	97
	1	110	106	102	99	107	103	100	99	96	94	85
	2	102	95	90	85	99	93	88	89	85	81	75
	3	95	86	79	74	92	84	78	81	76	72	67
	4	89	79	71	66	86	77	70	74	69	64	60
	5	83	72	64	59	81	71	64	68	62	58	54
	6	78	66	59	53	76	65	58	63	57	52	49
	7	73	61	54	48	71	60	53	59	52	48	45
	8	68	57	49	44	67	56	49	55	48	44	41
	9	65	53	46	41	63	52	45	51	45	40	38
10	61	49	42	38	60	49	42	48	42	37	35	

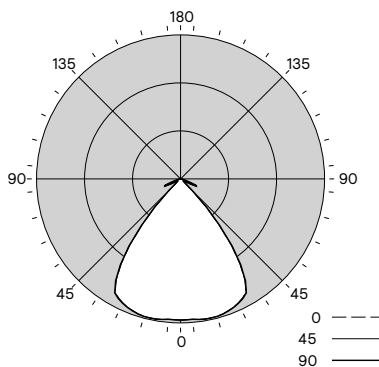
* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6279	46.2%	46.2%
0-40	9703	71.4%	71.4%
0-60	11146	82.0%	82.0%
0-90	13184	97.0%	97.0%
90-180	411	3.0%	3.0%
0-180	13595	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	7332	7395	7738
55	3528	3467	3527
65	21493	22580	22821
75	7809	7547	7589
85	11571	11346	10974

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB BL M GYSM LF xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 11493
Luminaire Efficacy Rating (LER): 146
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.30



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7257	7257	7257	7257	7257	
5	7250	7246	7241	7239	7242	695
15	7314	7315	7313	7314	7311	2065
25	7027	7025	7032	7041	7050	3241
35	5306	5332	5340	5382	5401	3215
45	861	872	844	839	893	884
55	175	177	188	194	192	190
65	872	800	873	887	884	666
75	226	221	216	224	228	276
85	98	95	92	93	98	103
90	63	61	60	63	64	
95	45	44	43	45	46	50
105	26	25	26	26	27	29
115	34	33	35	36	36	31
125	18	18	18	19	19	17
135	15	14	14	14	15	11
145	15	15	15	15	15	10
155	15	15	15	16	16	7
165	16	16	16	16	16	4
175	13	13	13	13	13	1
180	12	12	12	12	12	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				70			50			0
Pw---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	119	119	119	119	116	116	116	110	110	110	99
	1	111	108	105	102	109	105	103	101	99	97	89
	2	104	98	93	89	102	96	92	93	89	85	80
	3	98	90	84	79	95	88	82	85	80	76	72
	4	92	82	76	70	89	81	75	79	73	69	65
	5	86	76	69	64	84	75	68	73	67	63	59
	6	81	70	63	58	79	69	63	68	62	57	54
	7	76	65	58	53	74	64	58	63	57	53	50
	8	72	61	54	49	70	60	53	59	53	48	46
	9	68	57	50	45	66	56	50	55	49	45	43
10	64	53	46	42	63	52	46	51	46	42	40	

* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6001	52.2%	52.2%
0-40	9215	80.2%	80.2%
0-60	10289	89.5%	89.5%
0-90	11333	98.6%	98.6%
90-180	160	1.4%	1.4%
0-180	11493	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	6126	6000	6352
55	1535	1647	1687
65	10371	10394	10520
75	4389	4203	4431
85	5654	5289	5630

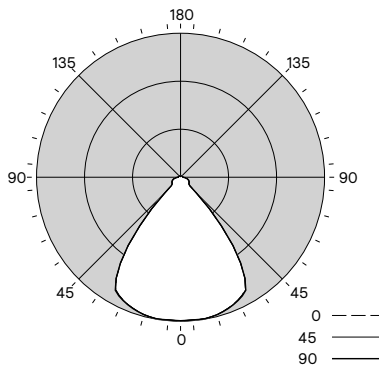
IHB Series

3D Decorative High Bay (medium & large)

Photometry

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB BL M WHTL LF xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 13028
Luminaire Efficacy Rating (LER): 166
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.28



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7673	7673	7673	7673	7673	
5	7657	7656	7653	7655	7657	732
15	7603	7598	7600	7605	7602	2147
25	7248	7247	7255	7265	7273	3345
35	5585	5606	5602	5617	5605	3379
45	1285	1262	1210	1178	1198	1161
55	549	547	548	552	557	495
65	492	490	492	496	501	486
75	387	385	387	390	395	407
85	221	220	221	222	225	239
90	120	118	118	118	120	
95	116	115	116	117	118	127
105	117	116	117	118	119	124
115	113	112	113	114	115	112
125	106	105	105	106	107	95
135	96	95	96	97	97	74
145	84	83	83	84	85	53
155	69	69	69	70	70	32
165	54	54	54	54	54	16
175	41	41	41	41	41	4
180	39	39	39	39	39	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)														
Pc---		80				70				50				0
Pw---		70	50	30	10	70	50	30	50	30	10	0		
RCR	0	118	118	118	118	115	115	115	108	108	108	95		
	1	110	106	103	100	107	104	100	98	96	94	84		
	2	103	96	91	86	100	94	89	90	86	82	75		
	3	96	88	81	76	93	86	80	82	77	73	68		
	4	90	80	73	68	87	79	72	76	70	66	61		
	5	84	74	67	61	82	72	66	70	64	60	56		
	6	79	68	61	56	77	67	60	65	59	54	51		
	7	74	63	56	51	72	62	55	60	54	50	47		
	8	70	58	51	46	68	58	51	56	50	46	43		
	9	66	54	47	43	64	54	47	52	46	42	40		
10	62	51	44	40	61	50	44	49	43	39	37			

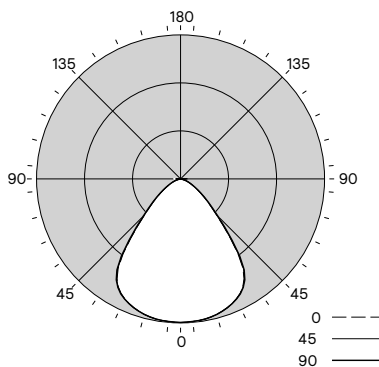
* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6224	47.8%	47.8%
0-40	9602	73.7%	73.7%
0-60	11258	86.4%	86.4%
0-90	12391	95.1%	95.1%
90-180	637	4.9%	4.9%
0-180	13028	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	9139	8602	8521
55	4809	4804	4882
65	5858	5849	5966
75	7526	7520	7676
85	12753	12744	12988

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB CS M NN xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 14007
Luminaire Efficacy Rating (LER): 178
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.28



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7777	7777	7777	7777	7777	
5	7756	7753	7751	7750	7749	739
15	7596	7597	7601	7599	7597	2146
25	7160	7159	7169	7178	7179	3298
35	5887	5905	5948	5991	6008	3595
45	2750	2725	2768	2867	2872	2226
55	1319	1226	1311	1347	1349	1193
65	584	543	581	590	597	583
75	141	129	132	137	140	166
85	7	7	7	7	7	26
90	385	2	195	2	250	
95	0	0	0	0	0	18
105	1	1	1	1	1	1
115	1	1	1	1	1	1
125	2	2	2	2	2	2
135	4	4	4	4	4	3
145	6	6	6	6	6	4
155	9	9	9	9	9	4
165	11	11	11	11	11	3
175	12	12	12	12	12	1
180	12	12	12	12	12	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				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	112	108	105	102	109	106	103	102	100	97	90
	2	104	98	93	88	102	96	91	93	89	85	80
	3	97	89	82	77	95	87	81	84	79	75	71
	4	90	81	74	68	88	80	73	77	71	67	63
	5	84	74	66	61	82	73	66	71	65	60	57
	6	79	68	60	55	77	67	60	65	59	54	51
	7	74	62	55	49	72	61	54	60	54	49	47
	8	69	57	50	45	68	57	50	56	49	45	43
	9	65	53	46	41	64	53	46	52	45	41	39
10	61	49	42	38	60	49	42	48	42	38	36	

* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6182	44.1%	44.1%
0-40	9777	69.8%	69.8%
0-60	13196	94.2%	94.2%
0-90	13971	99.7%	99.7%
90-180	36	0.3%	0.3%
0-180	14007	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	26404	26583	27580
55	15609	15519	15965
65	9386	9333	9593
75	3687	3472	3663
85	559	543	548

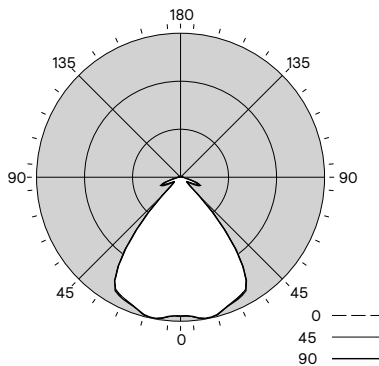
IHB Series

3D Decorative High Bay (medium & large)

Photometry

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB CT M CL LF xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 13619
Luminaire Efficacy Rating (LER): 173
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.32



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7524	7524	7524	7524	7524	
5	7585	7591	7586	7574	7566	731
15	7710	7726	7728	7710	7695	2168
25	7253	7228	7234	7258	7307	3346
35	5876	5809	5928	5874	5874	3533
45	1483	1482	1494	1455	1396	1298
55	423	438	401	436	455	431
65	960	886	863	979	1094	882
75	570	506	556	508	520	614
85	179	166	180	179	179	200
90	118	112	122	120	119	
95	88	85	91	90	88	100
105	71	65	69	70	74	79
115	95	89	99	97	104	90
125	51	46	52	51	52	47
135	39	36	37	40	41	30
145	45	42	47	48	49	29
155	47	50	51	53	54	24
165	58	58	59	58	59	16
175	39	38	38	37	38	4
180	32	32	32	32	32	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				70			50			0
Pw---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	118	118	118	118	115	115	115	109	109	109	97
	1	110	106	103	99	107	104	100	99	96	94	85
	2	102	96	90	85	100	94	88	90	85	82	75
	3	95	87	80	75	93	85	79	82	77	72	67
	4	89	79	72	66	87	78	71	75	69	65	60
	5	83	73	65	60	81	71	64	69	63	58	55
	6	78	67	59	54	76	66	59	64	58	53	50
	7	73	62	54	49	71	61	54	59	53	48	46
	8	69	57	50	45	67	57	50	55	49	44	42
	9	65	53	46	41	63	53	46	51	45	41	39
10	61	50	43	38	60	49	43	48	42	38	36	

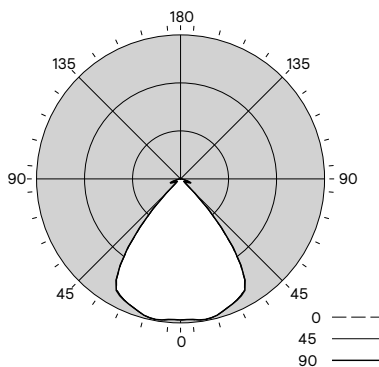
* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6245	45.9%	45.9%
0-40	9777	71.8%	71.8%
0-60	11506	84.5%	84.5%
0-90	13201	96.9%	96.9%
90-180	418	3.1%	3.1%
0-180	13619	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	10547	10628	9927
55	3710	3513	3988
65	11420	10274	13018
75	11081	10796	10108
85	10348	10383	10351

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB CT M GYSM LF xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 11560
Luminaire Efficacy Rating (LER): 147
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.30



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7348	7348	7348	7348	7348	
5	7365	7362	7354	7347	7344	706
15	7353	7358	7358	7356	7352	2072
25	6949	6944	6949	6962	6970	3205
35	5413	5463	5490	5509	5478	3288
45	1095	1101	1053	1057	1043	1012
55	226	219	220	225	233	222
65	458	418	442	464	477	441
75	281	281	295	293	287	330
85	98	95	98	98	99	110
90	68	65	67	68	68	
95	50	48	49	50	50	55
105	29	29	29	30	29	33
115	35	33	35	36	37	32
125	20	19	20	20	21	18
135	15	15	15	15	15	12
145	16	16	16	16	17	10
155	16	16	16	17	17	8
165	17	17	17	17	17	5
175	15	15	15	15	15	2
180	15	15	15	15	15	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				70			50			0
Pw---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	119	119	119	119	116	116	116	110	110	110	98
	1	111	108	105	102	109	105	103	101	99	97	89
	2	104	98	93	89	102	96	92	93	89	86	80
	3	98	90	84	79	95	88	83	85	81	77	72
	4	92	83	76	71	90	81	75	79	73	69	65
	5	86	76	69	64	84	75	69	73	67	63	60
	6	81	70	63	58	79	70	63	68	62	58	55
	7	76	65	58	53	75	65	58	63	57	53	50
	8	72	61	54	49	70	60	54	59	53	49	46
	9	68	57	50	45	67	56	50	55	49	45	43
10	64	53	46	42	63	53	46	52	46	42	40	

* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	5983	51.8%	51.8%
0-40	9270	80.2%	80.2%
0-60	10505	90.9%	90.9%
0-90	11386	98.5%	98.5%
90-180	174	1.5%	1.5%
0-180	11560	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	7790	7487	7418
55	1980	1925	2045
65	5447	5262	5671
75	5461	5733	5578
85	5673	5657	5716

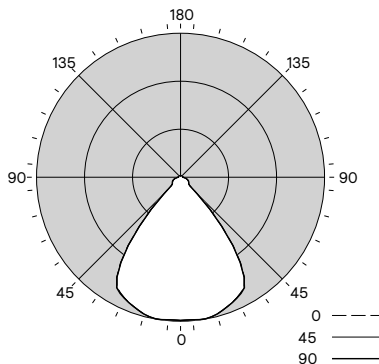
IHB Series

3D Decorative High Bay (medium & large)

Photometry

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB CT M WHTL LF xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 13168
Luminaire Efficacy Rating (LER): 168
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.28



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7854	7854	7854	7854	7854	
5	7858	7857	7853	7850	7849	751
15	7775	7772	7770	7768	7769	2191
25	7293	7296	7303	7314	7318	3368
35	5758	5750	5707	5705	5697	3444
45	1415	1380	1288	1250	1285	1213
55	535	536	541	547	550	488
65	462	463	468	474	477	460
75	333	333	338	342	345	356
85	181	182	184	186	187	201
90	115	113	114	115	116	
95	113	114	115	116	117	126
105	118	119	120	121	122	127
115	119	119	120	122	123	119
125	116	116	117	118	119	105
135	110	110	111	112	113	86
145	101	101	102	103	103	64
155	88	89	89	90	90	42
165	75	75	75	75	76	22
175	66	65	65	66	66	6
180	64	64	64	64	64	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				70			50			0
Pw---		70	50	30	10	70	50	30	50	30	10	0
RCR	0	118	118	118	118	114	114	114	108	108	108	95
	1	110	106	103	100	107	104	101	99	96	94	84
	2	103	97	91	87	100	94	90	90	86	83	76
	3	96	88	82	77	94	86	80	83	78	74	68
	4	90	81	74	69	88	79	73	76	71	66	62
	5	84	74	67	62	82	73	66	70	65	60	56
	6	79	68	61	56	77	67	60	65	59	55	51
	7	74	63	56	51	73	62	56	60	54	50	47
	8	70	59	52	47	68	58	51	56	50	46	43
	9	66	55	48	43	64	54	47	53	47	42	40
10	62	51	44	40	61	50	44	49	43	39	37	

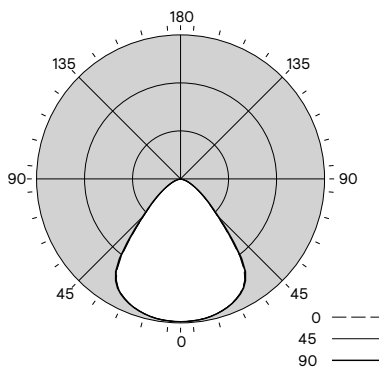
* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6310	47.9%	47.9%
0-40	9754	74.1%	74.1%
0-60	11455	87.0%	87.0%
0-90	12472	94.7%	94.7%
90-180	477	3.6%	3.6%
0-180	627	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	10064	9162	9139
55	4695	4741	4824
65	5499	5565	5680
75	6476	6561	6694
85	10462	10591	10785

3DPIHB 10/14/20L 9CST UN3 DIM
3DPIHB CY M NN xxxx LF

Lumen Setting: 14000
CCT Setting: 4000K
Luminaire Lumens: 13883
Luminaire Efficacy Rating (LER): 177
Total Luminaire Watts: 78
Spacing Criterion (0-180): 1.28



Candela Distribution						Flux
	0	22.5	45	67.5	90	Lumens
0	7639	7639	7639	7639	7639	
5	7618	7616	7613	7616	7617	726
15	7467	7465	7467	7469	7470	2110
25	7056	7057	7066	7079	7084	3254
35	5922	5952	5983	6023	6053	3616
45	2761	2756	2775	2873	2899	2243
55	1304	1222	1294	1334	1340	1183
65	569	533	564	574	583	570
75	146	137	141	146	146	162
85	1	1	1	1	1	2
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	1	1	1	1	1	1
115	1	1	1	1	1	1
125	2	2	2	2	2	2
135	4	4	4	4	4	3
145	6	6	6	6	6	4
155	9	9	9	9	9	4
165	11	11	11	11	11	3
175	12	12	12	12	12	1
180	12	12	12	12	12	

Coefficients of Utilization % (Based on a floor reflectance of 0.2)												
Pc---		80				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	112	108	105	102	109	106	103	102	100	98	90
	2	104	98	93	89	102	96	92	93	89	86	80
	3	97	89	83	77	95	87	82	85	80	76	71
	4	90	81	74	68	88	80	73	77	72	67	64
	5	84	74	66	61	82	73	66	71	65	60	57
	6	79	68	60	55	77	67	60	65	59	54	51
	7	74	62	55	49	72	61	54	60	54	49	47
	8	69	57	50	45	68	57	50	56	49	45	43
	9	65	53	46	41	64	53	46	52	45	41	39
10	61	49	42	38	60	49	42	48	42	38	36	

* Based on a floor reflectance of 0.2

Zonal Lumen Summary			
Zone	Lumens	%Fixture	%Lamp
0-30	6090	43.9%	43.9%
0-40	9705	69.9%	69.9%
0-60	13132	94.6%	94.6%
0-90	13865	99.9%	99.9%
90-180	18	0.1%	0.1%
0-180	13883	100.0%	100.0%

Avg. Luminance (cd/m²)			
	0	90	180
45	30228	30373	31732
55	17598	17458	18089
65	10412	10327	10677
75	4367	4210	4376
85	84	77	80