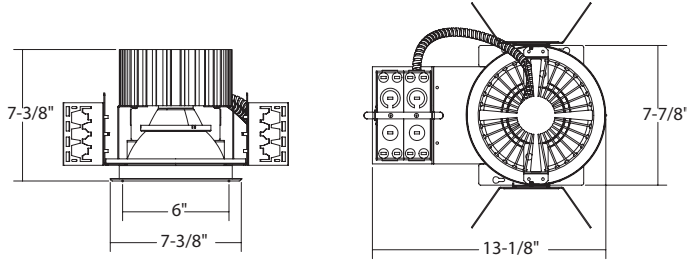


LHABLD6 - 6" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, ROUND, 1000LM - 10,000LM

- Illuminate up to 100' ceilings
- Four trim finishes
- Low glare design
- Highly efficient COB (Chip on Board) LED



Ceiling Cut-out: 6-3/8" Dia.

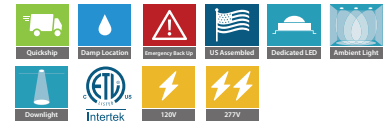


LHABLD6

ORDERING – Example: LHABLD612C025UE-DUN-B45-T27-C90-FS/LRB61S

LHABLD6

Fixture Lumens Dimming Beam Spread Color Temperature Frame Options / Trim



Fixture		Dimming ¹		Beam Spread		Frame Options	
Downlight	LHABLD6	Non-Dimming	Blank	25° Narrow Flood	-B25	None	Blank
		Remote Driver	-RMT	45° Flood	-B45	Generator Transfer Device	-GTD
Lumens (Nominal Delivered)		UniDim™ 0-10V, ELV, Triac Dimming (5%)	UE-DUN	90° Very Wide Flood	-B90	Single Fuse	-FS
1000lm (9W)	12C025					Remote Emergency Backup (12W)	-EM
1500lm (13W)	15C035	Wireless Enocean Adapter (10%)	UE-DEN	Color Temperature		Remote Emergency Inverter (up to 28W)	-EMAC⁷
2500lm (19W)	20C050			2700K, 80 CRI	-T27		
3500lm (28W)	35C070			2700K, 90 CRI	-T27-C90		
5000lm (41W)	45C105	DMX Dimming (0%)	UE-DMX²	2700K, 97 CRI	-T27-C97	C-Channel Hanger Bar Set	C260
6000lm (51W)	50C085	0-10V Dimming (1%)	UE-D10P1³	3000K, 80 CRI	-T30	Adjustable C-Channel Hanger Bar Set	C260-J
7000lm (64W)	60C105⁸	347V 0-10V Dimming (5%)	-347-D10³	3000K, 90 CRI	-T30-C90		
8000lm (72W)	70C125			3000K, 97 CRI	-T30-C97		
10,000lm (116W)	120C200	Lutron Hilume/Ecoystem Dimming (1%)	UE-DHL³	3500K, 80 CRI	-T35	Trim (Open)	
				4000K, 80 CRI	-T40	All White	LRB61W
		120V 2-Wire Incandescent (1%)	DINP1⁴	Warm dimming 1850K-3000K	-TWD⁵	All Black	LRB61B
				Tunable White 2700K-6500K	-TTW⁶	All Satin Haze	LRB61S
						Satin Haze/White	LRB61SW
						Clear/White	LRB61CW
						Specular Clear	LRB61C
						Trim (Lensed)	
						All White	LRB62W
						All Black	LRB62B
						All Satin Haze	LRB62S
						Satin Haze/White	LRB62SW
						Clear/White	LRB62CW
						Specular Clear	LRB62C

¹ All drivers are 120V/277V unless otherwise noted.

² DMX Dimming to 0% except for 8000lm & 10,000lm with DMX Dimming to 10%.

³ Not available for 8000lm & 10,000lm.

⁴ Not available for 1000lm - 3500lm.

⁵ Warm Dimming Only available for 1000lm & 1500lm options.

⁶ Tunable White only available with 0-10V signal via “UE-D10P1” option or DMX signal via “UE-DMX” option for 1500lm & 3500lm option only.

(For wet locations add -WL)

OPTIONS

/C260

C-Channel Hanger Bar Set



/C260-J

Adjustable C-Channel Hanger Bar Set





LHABLD6 - 6" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, ROUND, 1000LM - 10,000LM

SPECIFICATION

Applications

The 6" LumenBlast housing is designed for medium to high ceiling heights and is available as a fixed downlight. With four trim options and four trim finishes, the luminaire offers the versatility and high lumen output that is ideal for classrooms, office lobbies and retail applications.

Housing Frame

16 gauge galvanized plaster ring with powder coat finish, six friction clips secure trim to housing for ceilings up to 1" thick.

Mounting

Housing suitable for new construction installations only, Bat-Wing bar hanger brackets adjust vertically 3 1/4" for multiple ceiling types and accepts 1/2" EMT. 26"C Channel Strut for T-bar ceilings and 27" adjustable linear hanger bars for plaster ceilings or wood/metal joists. Heavy duty 16-gauge, die-formed galvanized steel. Bar hangers optional.

Optics

LED Light Engine - COB (Chip on Board) LED is replaceable via quick disconnect terminal. Meets CA Title 24 Requirements and other standards restricting the use of Medium Base or Bi-Pin Sockets.

Beam Spread - Available in 25° Narrow Flood (B25), 45° Flood (B45), and 90° Very Wide Flood (B90).

Color Temperature - Comes standard with 3000K Warm White LEDs binned to 3-step MacAdam ellipses within the ANSI C78 377A standard for color temperature and chromaticity ranges light binning allowance. Also available in 2700K, 3500K and 4000K.

Color Rendering Index - Comes standard with 80 CRI. 90 CRI and 97 CRI (C97) option also available with 2700K and 3000K.

Warm Dimming - Optional from 1850K to 3500K.

Tunable White - Optional with correlated color temperature range from 2700K to 5500K.

Lumen Maintenance - Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Thermal Management

Effective thermal dissipation facilitated by integral cast-aluminum, heat sink design for maximum heat rejection to provide long LED life.

Trims

Open Trims available in all White (LRB61W), all Black (LRA61B), all Satin Haze (LRB61B), and Satin Haze/White (LRB61SW). Frosted lens trims available in all White (LRB62W), all Black (LRB62B), all Satin Haze (LRB62B), and Satin Haze/White (LRB86SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750. Suitable for dry and damp locations.

Caution

Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Warranty

Covered by an 5-year warranty for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.



PHOTOMETRY

LHABLD612C025UE-DUN-B25-T40/LRB61W (1000lm, 25°, 4000K)

System Power: 8.9W		MULTIPLIERS		CANDELA TABULATION		FOOTCANDLE DISTRIBUTION			
Test Date: 5/4/2018									
Beam Angle 50%: 29.0°									
Field Angle 0%: 91.0°									
Color Temp. (CCT): 4000K									
CRI : 80									
Lumens Delivered: 1251.14									
CBCP: 2218									
Power Factor: >0.90									

LHABLD612C025UE-DUN-B45-T40/LRB61W (1000lm, 45°, 4000K)

System Power: 8.9W		MULTIPLIERS		CANDELA TABULATION		FOOTCANDLE DISTRIBUTION			
Test Date: 5/4/2018									
Beam Angle 50%: 43.1°									
Field Angle 0%: 96.9°									
Color Temp. (CCT): 4000K									
CRI : 80									
Lumens Delivered: 1222.72									
CBCP: 1462.00									
Power Factor: >0.90									

LHABLD612C025UE-DUN-B60-T40/LRB61W (1000lm, 60°, 4000K)

System Power: 8.9W		MULTIPLIERS		CANDELA TABULATION		FOOTCANDLE DISTRIBUTION					
Test Date: 5/4/2018											
Beam Angle 50%: 53.1°		Lumen		CCT		Height		Beam Diameter		Footcandle (FC)	
Field Angle 0%: 98.9°		10000lm : 8.12		4000K : 1.00		6.0'		6.0'		Beam Center Beam Edge	
Color Temp. (CCT): 4000K		8000lm : 6.74		3500K : 0.99		8.0'		8.0'		35.31 12.61	
CRI : 80		7000lm : 5.76		3000K : 0.98		10.0'		10.0'		19.86 7.09	
Lumens Delivered: 1225.88		6000lm : 4.74		2700K : 0.94		12.0'		12.0'		12.7 4.54	
CBCP: 1271		5000lm : 3.95		CRI		14.0'		14.0'		8.8 3.15	
Power Factor: >0.90		3500lm : 2.71		80 CRI : 1.00		14.0'		14.0'		6.5 2.32	
		2500lm : 1.97		90 CRI : 0.85							
		1500lm : 1.40		97 CRI : 0.76							
		1000lm : 1.00									
		Trim (Lensed): 0.75									

LHABLD612C025UE-DUN-B90-T40/LRB61W (1000lm, 90°, 4000K)

System Power: 8.9W		MULTIPLIERS		CANDELA TABULATION		FOOTCANDLE DISTRIBUTION			
Test Date: 5/8/2018									
Beam Angle 50%: 88.3°									
Field Angle 0%: 126.2°									
Color Temp. (CCT): 4000K									
CRI : 80									
Lumens Delivered: 1275.2									
CBCP: 689									
Power Factor: >0.90									

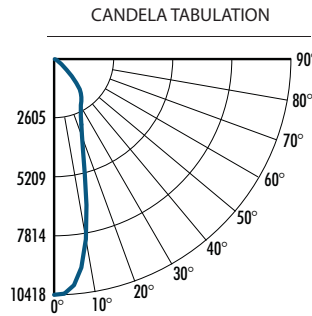
PHOTOMETRY

LHABLD650C085UE-DUN-B25-T40_LRB61W (6000lm, 25°, 4000K)

System Power:	50.7W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	5876.49
CBCP:	10418
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.74	4000K :	1.00
8000lm :	1.43	3500K :	0.99
7000lm :	1.22	3000K :	0.98
6000lm :	1.00	2700K :	0.94
5000lm :	0.83		
3500lm :	0.57	CRI	
2500lm :	0.42	80 CRI :	1.00
1500lm :	0.29	90 CRI :	0.85
1000lm :	0.21	97 CRI :	0.76

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

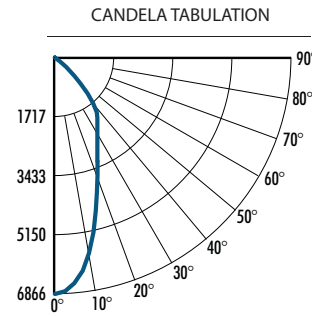
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	289.39	132.79
8.0'	4.1'	162.78	74.69
10.0'	5.2'	104.2	47.80
12.0'	6.2'	72.3	33.20
14.0'	7.2'	53.2	24.39

LHABLD650C085UE-DUN-B45-T40/LRB61W (6000lm, 45°, 4000K)

System Power:	50.7W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 0%:	96.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	5743.09
CBCP:	6866
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.75	4000K :	1.00
8000lm :	1.42	3500K :	0.99
7000lm :	1.22	3000K :	0.98
6000lm :	1.00	2700K :	0.94
5000lm :	0.83		
3500lm :	0.57	CRI	
2500lm :	0.42	80 CRI :	1.00
1500lm :	0.29	90 CRI :	0.85
1000lm :	0.21	97 CRI :	0.76

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

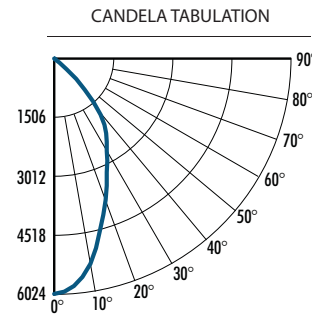
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	190.72	81.47
8.0'	6.3'	107.28	45.83
10.0'	7.9'	68.7	29.33
12.0'	9.5'	47.7	20.37
14.0'	11.1'	35.0	14.96

LHABLD650C085UE-DUN-B60-T40/LRB61W (6000lm, 60°, 4000K)

System Power:	50.7W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 0%:	98.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	5805.17
CBCP:	6018
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.72	4000K :	1.00
8000lm :	1.42	3500K :	0.99
7000lm :	1.22	3000K :	0.98
6000lm :	1.00	2700K :	0.94
5000lm :	0.83		
3500lm :	0.57	CRI	
2500lm :	0.42	80 CRI :	1.00
1500lm :	0.30	90 CRI :	0.85
1000lm :	0.21	97 CRI :	0.76

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

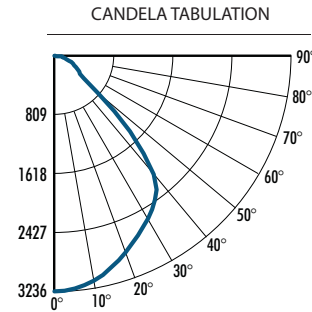
Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	167.17	59.73
8.0'	8.0'	94.03	33.60
10.0'	10.0'	60.2	21.50
12.0'	12.0'	41.8	14.93
14.0'	14.0'	30.7	10.97

LHABLD650C085UE-DUN-B90-T40/LRB61W (6000lm, 90°, 4000K)

System Power:	50.7W
Test Date:	5/9/2018
Beam Angle 50%:	88.3°
Field Angle 0%:	126.0°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	5988.51
CBCP:	3263
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.71	4000K :	1.00
8000lm :	1.42	3500K :	0.99
7000lm :	1.22	3000K :	0.98
6000lm :	1.00	2700K :	0.94
5000lm :	0.83		
3500lm :	0.57	CRI	
2500lm :	0.42	80 CRI :	1.00
1500lm :	0.30	90 CRI :	0.85
1000lm :	0.21	97 CRI :	0.76

Trim (Lensed): 0.75



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.6'	90.64	15.06
8.0'	15.5'	50.98	8.47
10.0'	19.4'	32.6	5.42
12.0'	23.3'	22.7	3.77
14.0'	27.2'	16.6	2.77

PHOTOMETRY

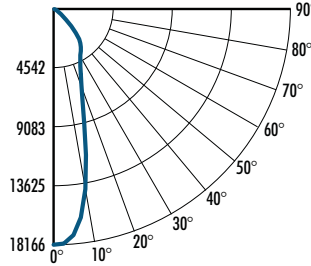
LHABLD6120C200UE-DUN-B25-T40/LRB61W (10000lm, 25°, 4000K)

System Power:	117.0W
Test Date:	6/26/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	10247.4
CBCP:	18166
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.00	4000K :	1.00
8000lm :	0.82	3500K :	0.99
7000lm :	0.70	3000K :	0.98
6000lm :	0.57	2700K :	0.94
5000lm :	0.48		
3500lm :	0.33	CRI	
2500lm :	0.24	80 CRI :	1.00
1500lm :	0.17	90 CRI :	0.85
1000lm :	0.12	97 CRI :	0.76

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	284.65	231.55
8.0'	4.1'	160.12	130.25
10.0'	5.2'	102.5	83.36
12.0'	6.2'	71.2	57.89
14.0'	7.2'	52.3	42.53

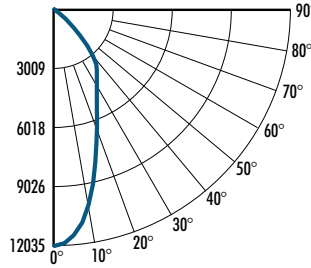
LHABLD6120C200UE-DUN-B45-T40/LRB61W (10000lm, 45°, 4000K)

System Power:	117.0W
Test Date:	6/26/2018
Beam Angle 50%:	43.1°
Field Angle 0%:	96.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	10066.4
CBCP:	12035
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.00	4000K :	1.00
8000lm :	0.81	3500K :	0.99
7000lm :	0.69	3000K :	0.98
6000lm :	0.57	2700K :	0.94
5000lm :	0.48		
3500lm :	0.33	CRI	
2500lm :	0.24	80 CRI :	1.00
1500lm :	0.17	90 CRI :	0.85
1000lm :	0.12	97 CRI :	0.76

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	334.31	142.80
8.0'	6.3'	188.05	80.32
10.0'	7.9'	120.4	51.41
12.0'	9.5'	83.6	35.70
14.0'	11.1'	61.4	26.23

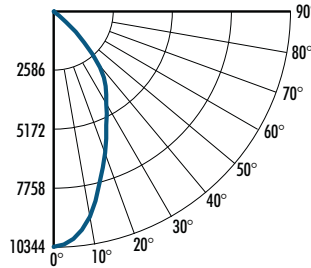
LLHABLD6120C200UE-DUN-B60-T40/LRB61W (10000lm, 60°, 4000K)

System Power:	63.8W
Test Date:	6/26/2018
Beam Angle 50%:	53.1°
Field Angle 0%:	98.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	9958.5
CBCP:	10333
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.00	4000K :	1.00
8000lm :	0.83	3500K :	0.99
7000lm :	0.71	3000K :	0.98
6000lm :	0.58	2700K :	0.94
5000lm :	0.49		
3500lm :	0.33	CRI	
2500lm :	0.24	80 CRI :	1.00
1500lm :	0.17	90 CRI :	0.85
1000lm :	0.12	97 CRI :	0.76

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	287.03	102.56
8.0'	8.0'	161.45	57.69
10.0'	10.0'	103.3	36.92
12.0'	12.0'	71.8	25.64
14.0'	14.0'	52.7	18.84

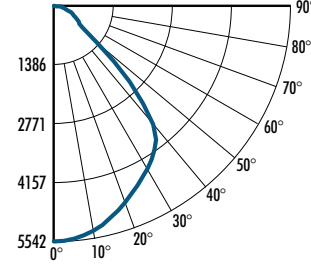
LHABLD6120C200UE-DUN-B90-T40/LRB61W (10000lm, 90°, 4000K)

System Power:	117.0W
Test Date:	6/26/2018
Beam Angle 50%:	88.3°
Field Angle 0%:	126.0°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	10257.7
CBCP:	5542
Power Factor:	>0.90

MULTIPLIERS			
Lumen		CCT	
10000lm :	1.00	4000K :	1.00
8000lm :	0.83	3500K :	0.99
7000lm :	0.71	3000K :	0.98
6000lm :	0.58	2700K :	0.94
5000lm :	0.49		
3500lm :	0.33	CRI	
2500lm :	0.24	80 CRI :	1.00
1500lm :	0.17	90 CRI :	0.85
1000lm :	0.12	97 CRI :	0.76

Trim (Lensed): 0.75

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.6'	153.94	25.81
8.0'	15.5'	86.59	14.52
10.0'	19.4'	55.4	9.29
12.0'	23.3'	38.5	6.45
14.0'	27.2'	28.3	4.74