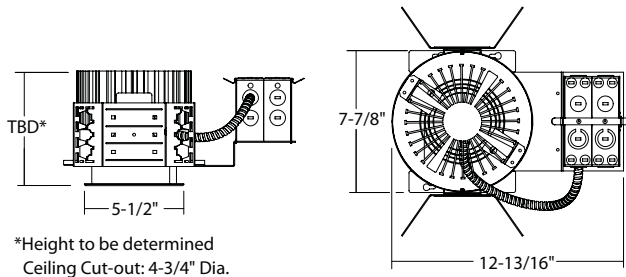


LHABLD4 - 4" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, ROUND, 1000LM - 7000LM

- Illuminate up to 70' ceilings
- Four trim finishes
- Low glare design
- Highly efficient COB (Chip on Board) LED



LHABLD4



ORDERING – Example: LHABLD420C050UE-DUN-B45-TWD-FS/LRB41S

LHABLD4

Fixture	Lumens	Dimming	Beam Spread	Color Temperature	Frame Options	Trim
Downlight	LHABLD4	Non-Dimming	Blank	25° Narrow Flood -B25	None	Blank
		Remote Driver	-RMT	45° Flood -B45	Generator Transfer Device	-GTD
		UniDim™ 0-10V, ELV, Triac Dimming (5%)	UE-DUN	60° Wide Flood -B60	Single Fuse	-FS
		Wireless Enocean Adapter (10%)	UE-DEN	90° Very Wide Flood -B90	Remote Emergency Backup (12W)	-EM
		DMX Dimming (0%)	UE-DMX	Color Temperature	Remote Emergency Inverter (up to 28W)	-EMAC⁵
		0-10V Dimming (1%)	UE-D10P1	2700K, 80 CRI -T27	C-Channel Hanger Bar Set	C260
		347V 0-10V Dimming (5%)	-347-D10	2700K, 90 CRI -T27-C90	Adjustable C-Channel Hanger Bar Set	C260-J
		Lutron Hilume/Ecosystem Dimming (1%)	UE-DHL	2700K, 97 CRI -T27-C97	Trim (Open)	
		120V 2-Wire Incandescent (1%)	DINP1²	3000K, 80 CRI -T30	All White	LRB41W
				3000K, 90 CRI -T30-C90	All Black	LRB41B
				3000K, 97 CRI -T30-C97	All Satin Haze	LRB41S
				3500K, 80 CRI -T35	Satin Haze/White	LRB41SW
				4000K, 80 CRI -T40	Trim (Lensed)	
				Warm dimming 1850K-3000K -TWD³	All White	LRB42W
				Tunable White 2700K-6500K -TTW⁴	All Black	LRB42B
					All Satin Haze	LRB42S
					Satin Haze/White	LRB42SW
					(For wet locations add -WL)	

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

² Not available for 1000lm - 3500lm.

³ Warm Dimming Only available for 1000lm & 1500lm options.

⁴ Tunable White only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 1500lm & 3500lm option only.

⁵ EMAC emergency option fully illuminates during power failure. Only available for 9W, 13W, 19W and 28W options.

OPTIONS

C260

C-Channel Hanger Bar Set



C260-J

Adjustable C-Channel Hanger Bar Set





LHABLD4 - 4" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, ROUND, 1000LM - 7000LM

SPECIFICATION

Applications

The 4" 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 2 1/4" 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), 60° Wide Flood (B60), 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 (LRB41W), all Black (LRB41B), all Satin Haze (LRB41B), and Satin Haze/White (LRB41SW). Lensed Trims available in all White (LRB42W), all Black (LRB42B), all Satin Haze (LRB42B), and Satin Haze/White (LRB42SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750.

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 industry leading 12 Year Warranty for UniDim™ fixtures and 5 years 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.

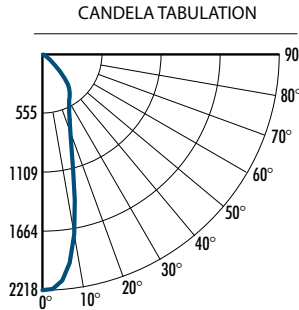
PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

LHABLD412C025UE-DUN-B25-T40/LRB41W (1000lm, 25°, 4000K)

System Power:	8.9W
Test Date:	5/4/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1251.1
CBCP:	2218
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.91	3000K : 0.98
3500lm : 2.69	2700K : 0.93
2500lm : 1.95	
1500lm : 1.39	
1000lm : 1.00	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
90 CRI : 0.77	



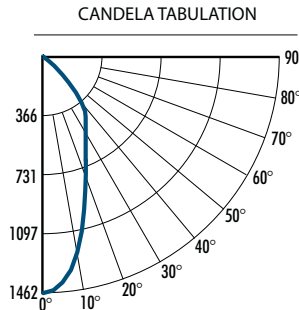
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	61.61	28.28
8.0'	4.1'	34.66	15.91
10.0'	5.2'	22.2	10.18
12.0'	6.2'	15.4	7.07
14.0'	7.2'	11.3	5.19

LHABLD412C025UE-DUN-B45-T40/LRB41W (1000lm, 45°, 4000K)

System Power:	8.9W
Test Date:	5/4/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1222.7
CBCP:	1462.00
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.91	3000K : 0.94
3500lm : 2.69	2700K : 0.93
2500lm : 1.95	
1500lm : 1.39	
1000lm : 1.00	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	



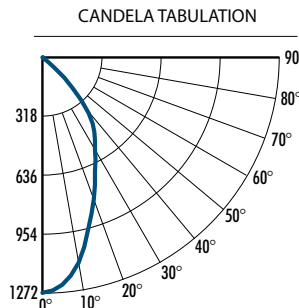
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	40.61	15.56
8.0'	6.3'	22.84	8.75
10.0'	7.9'	14.6	5.60
12.0'	9.5'	10.2	3.89
14.0'	11.1'	7.5	2.86

LHABLD412C025UE-DUN-B60-T40/LRB41W (1000lm, 60°, 4000K)

System Power:	8.9W
Test Date:	5/8/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1225.9
CBCP:	1271
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.76	4000K : 1.00
6000lm : 4.74	3500K : 0.99
5000lm : 3.95	3000K : 0.98
3500lm : 2.71	2700K : 0.94
2500lm : 1.97	
1500lm : 1.40	
1000lm : 1.00	
CRI	
80 CRI : 1.00	
90 CRI : 0.82	
97 CRI : 0.77	



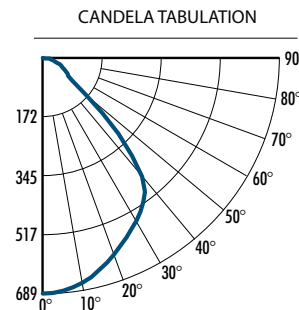
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	35.31	12.61
8.0'	8.0'	19.86	7.09
10.0'	10.0'	12.7	4.54
12.0'	12.0'	8.8	3.15
14.0'	14.0'	6.5	2.32

LHABLD412C025UE-DUN-B90-T40/LRB41W (1000lm, 90°, 4000K)

System Power:	8.9W
Test Date:	5/8/2018
Beam Angle 50%:	88.3°
Field Angle 10%:	126.2°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1275.2
CBCP:	689
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.91	3000K : 0.98
3500lm : 2.69	2700K : 0.94
2500lm : 1.95	
1500lm : 1.39	
1000lm : 1.00	
CRI	
80 CRI : 1.00	
90 CRI : 0.86	
97 CRI : 0.77	



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.6'	19.14	3.21
8.0'	15.5'	10.77	1.81
10.0'	19.4'	6.9	1.16
12.0'	23.3'	4.8	0.80
14.0'	27.2'	3.5	0.59

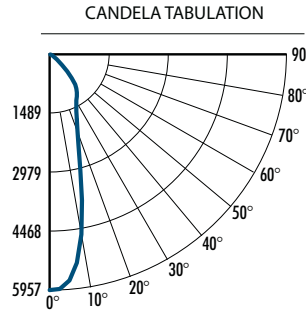
PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

LHABLD435C070UE-DUN-B25-T40/LRB41W (3500lm, 25°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3360.3
CBCP:	5957
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.93
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



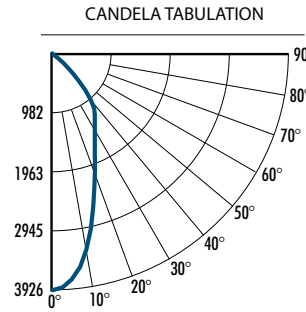
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	3.1'	165.47	76.40
8.0'	4.1'	93.08	42.98
10.0'	5.2'	59.6	27.50
14.0'	7.2'	30.4	14.03
18.0'	9.3'	18.4	8.49

LHABLD435C070UE-DUN-B45-T40/LRB41W (3500lm, 45°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3283.9
CBCP:	1462
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



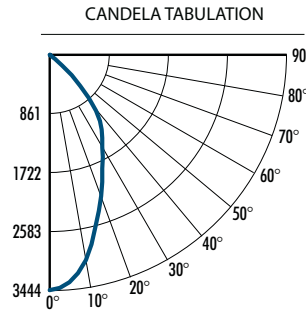
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.7'	109.06	41.73
8.0'	6.3'	61.34	23.47
10.0'	7.9'	39.3	15.02
14.0'	11.1'	20.0	7.66
18.0'	14.2'	12.1	4.64

LHABLD435C070UE-DUN-B60-T40/LRB41W (3500lm, 60°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3319.4
CBCP:	3441
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



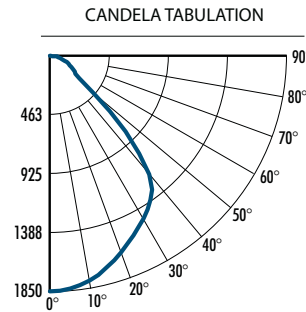
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	6.0'	95.58	34.16
8.0'	8.0'	53.77	19.22
10.0'	10.0'	34.4	12.30
14.0'	14.0'	17.6	6.27
18.0'	18.0'	10.6	3.80

LHABLD435C070UE-DUN-B90-T40/LRB41W (3500lm, 90°, 4000K)

System Power:	27.4W
Test Date:	5/9/2018
Beam Angle 50%:	88.4°
Field Angle 10%:	126.0°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3424.7
CBCP:	1850
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 2.13	4000K : 1.00
6000lm : 1.75	3500K : 0.99
5000lm : 1.46	3000K : 0.98
3500lm : 1.00	2700K : 0.94
2500lm : 0.73	
1500lm : 0.52	CRI
1000lm : 0.37	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	11.7'	51.39	8.60
8.0'	15.6'	28.91	4.84
10.0'	19.4'	18.5	3.10
12.0'	23.3'	12.8	2.15
14.0'	27.2'	9.4	1.58

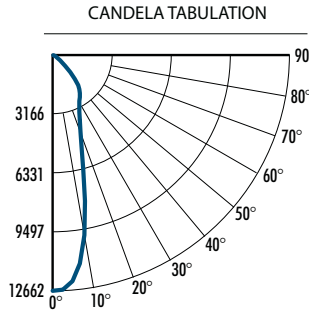
PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	28W	41W	51W	64W

LHABLD460C105UE-DUN-B25-T40/LRB41W (7000lm, 25°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	29.0°
Field Angle 0%:	90.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7142.4
CBCP:	12662
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.18	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



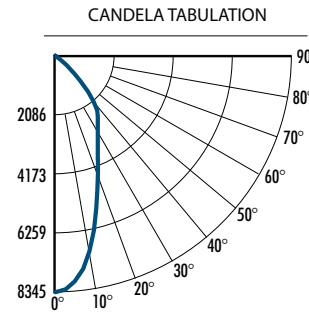
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	4.1'	197.84	90.79
10.0'	5.2'	126.62	58.10
15.0'	7.8'	56.3	25.82
20.0'	10.3'	31.7	14.53
25.0'	12.9'	20.3	9.30

LHABLD460C105UE-DUN-B45-T40/LRB41W (7000lm, 45°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	43.1°
Field Angle 10%:	96.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6980.1
CBCP:	8345
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.18	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



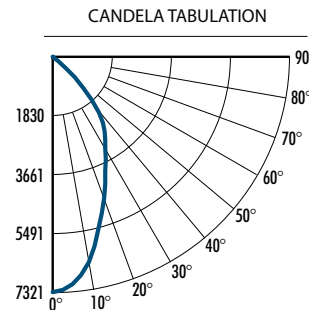
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	6.3'	130.39	49.89
10.0'	7.9'	83.45	31.93
15.0'	11.8'	37.1	14.19
20.0'	15.8'	20.9	7.98
25.0'	19.7'	13.4	5.11

LHABLD460C105UE-DUN-B60-T40/LRB41W (7000lm, 60°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	53.1°
Field Angle 10%:	98.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7055.6
CBCP:	7314
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.17	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



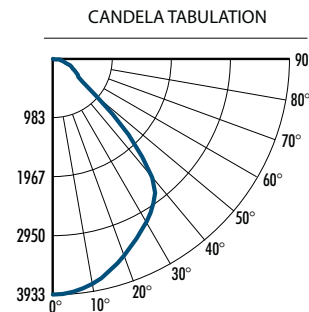
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	8.0'	114.28	40.84
10.0'	10.0'	73.14	26.13
15.0'	15.0'	32.5	11.62
20.0'	20.0'	18.3	6.53
25.0'	25.0'	11.7	4.18

LHABLD460C105UE-DUN-B90-T40/LRB41W (7000lm, 90°, 4000K)

System Power:	63.8W
Test Date:	5/9/2018
Beam Angle 50%:	88.4°
Field Angle 10%:	126.0°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7279.2
CBCP:	3933
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 1.00	4000K : 1.00
6000lm : 0.82	3500K : 0.99
5000lm : 0.69	3000K : 0.98
3500lm : 0.47	2700K : 0.94
2500lm : 0.34	
1500lm : 0.24	CRI
1000lm : 0.18	80 CRI : 1.00
	90 CRI : 0.86
	97 CRI : 0.77



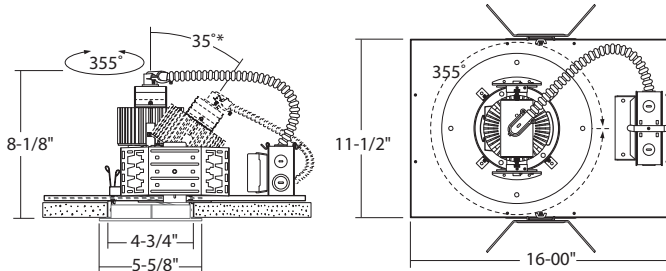
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
8.0'	15.5'	61.45	10.30
10.0'	19.4'	39.33	6.59
15.0'	29.1'	17.5	2.93
20.0'	38.8'	9.8	1.65
25.0'	48.5'	6.3	1.06

LHAJLD4 - 4" LUMENBLAST

ADJUSTABLE ACCENT & LENSED WALL WASH, ROUND, 1500LM - 5000LM

- Illuminate up to 70' ceilings
- Adjustable to 35° angle and 355° of rotation
- Wall Wash to provide uniform, even illumination
- Highly efficient COB (Chip on Board) LED



Ceiling Cut-out: 4-3/4" Dia.

*Maximum angle, Adjustable Accent only.



LHAJLD4



ORDERING – Example: LHAJLD420C050UE-DUN-B45-T30-FS/LRA471S

LHAJLD4

Fixture	Lumens	Dimming	Beam Spread	Color Temperature	Frame Options	Trim	
Adjustable Downlight	LHAJLD4	Non-Dimming	Blank	15° Narrow Spot	-B15	None	Blank
		Remote Driver	-RMT	25° Narrow Flood	-B25	Generator Transfer Device	-GTD
		UniDim™ 0-10V, ELV, Triac Dimming (5%)	UE-DUN	45° Flood	-B45	Single Fuse	-FS
		Wireless Enocean Adapter (10%)	UE-DEN	60° Wide Flood	-B60	Remote Emergency Backup (12W)	-EM
		DMX Dimming (0%)	UE-DMX	Color Temperature		Remote Emergency Inverter (up to 28W)	-EMAC^{4,5}
		0-10V Dimming (1%)	UE-D10P1	2700K, 80 CRI	-T27	C-Channel Hanger Bar Set	C260
		347V 0-10V Dimming (5%)	-347-D10	2700K, 90 CRI	-T27-C90	Adjustable C-Channel Hanger Bar Set	C260-J
		Lutron Hilume/ Ecoystem Dimming (1%)	UE-DHL	3000K, 80 CRI	-T30	Trim (Open Adjustable)	
		120V 2-Wire Incandescent (1%)	DINP1	3000K, 90CRI	-T30-C90	All White	LRA471W
				3500K, 80 CRI	-T35	All Black	LRA471B
				4000K, 80 CRI	-T40	All Satin Haze	LRA471S
				Warm dimming 1850K-3000K	-TWD²	Satin Haze/White	LRA471SW
				Tunable White 2700K-6500K	-TTW³	Trim (Lensed Wall Wash)	
						All White	LRA472W
						All Black	LRA472B
						All Satin Haze	LRA472S
						Satin Haze/White	LRA472SW
						(For wet locations add -WL)	

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

² Warm Dimming only available for 1500lm & 2500lm options.

³ Tunable White only available with 0-10V signal via “UE-D10P1”

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

² Warm Dimming only available for 1500lm & 2500lm options.

³ Tunable White only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 2000lm, 3000lm & 3500lm option only.

⁴ EMAC emergency option fully illuminates during power failure.

⁵ Only available for 9W, 11W, 19W and 28W options.

OPTIONS

C260

C-Channel Hanger Bar Set



C260-J

Adjustable C-Channel Hanger Bar Set





LHAJLD4 - 4" LUMENBLAST

AADJUSTABLE ACCENT & LENSED WALL WASH, ROUND, 1500LM - 5000LM

SPECIFICATION

Applications

The 4" LumenBlast housing is designed for medium to high ceiling heights and is available as an adjustable accent with 35° angle and 355° of rotation or wall wash to provide uniform, even illumination. 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 2 1/4" 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 15° Narrow Spot (B15), 25° Narrow Flood (B25), 45° Flood (B45), 60° Wide Flood (B60).

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 Adjustable Trims available in all White (LRA471W), all Black (LRA471B), all Satin Haze (LRA471B), and Satin Haze/White (LRA471SW). Lensed Wall Wash Trims available in all White (LRA472W), all Black (LRA472B), all Satin Haze (LRA472B), and Satin Haze/White (LRA472SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750.

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

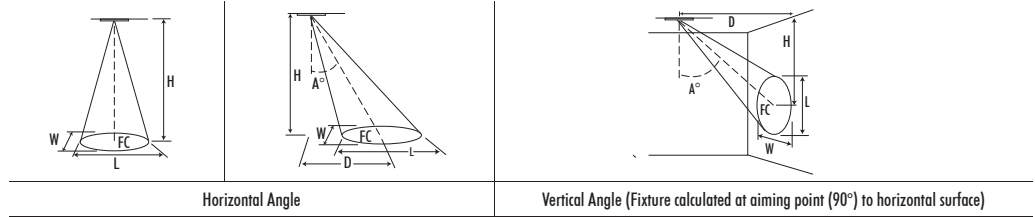
Covered by an industry leading 12 Year Warranty for UniDim™ fixtures and 5 years for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.



PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
H = Distance to FC center of beam
FC = Footcandles
W = Beam width
L = Beam length

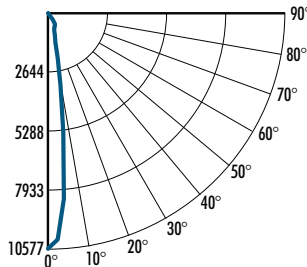


LHAJLD412C025UE-DUN-B15-T40/LRA471W (1500lm, 15°, 4000K)

System Power:	9.0W
Test Date:	6/5/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1797.9
CBCP:	10577
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	294	1.6'	1.6'		6.0'	2.2'	244	1.7'	1.9'	4.0'	11.0'	26	3.2'	10.8'	4.0'	5.7'	125	1.9'	3.4'
8.0'	165	2.2'	2.2'		8.0'	2.9'	137	2.3'	2.5'	6.0'	16.5'	12	4.8'	16.2'	6.0'	8.6'	55	2.8'	5.2'
10.0'	106	2.7'	2.7'		10.0'	3.6'	88	2.9'	3.1'	8.0'	22.0'	7	6.4'	21.6'	8.0'	11.4'	31	3.8'	6.9'
12.0'	73	3.3'	3.3'		12.0'	4.4'	61	3.5'	3.7'	10.0'	27.5'	4	8.0'	27.1'	10.0'	14.3'	20	4.7'	8.6'
14.0'	54	3.8'	3.8'		14.0'	5.1'	45	4.1'	4.3'	12.0'	33.0'	3	9.5'	32.5'	12.0'	17.1'	14	5.7'	10.3'

CANDELA TABULATION

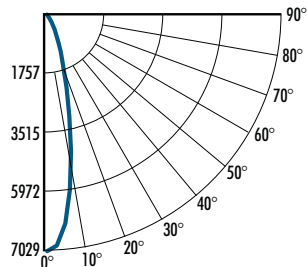


LHAJLD412C025UE-DUN-B25-T40/LRA471W (1500lm, 25°, 4000K)

System Power:	9.0W	(Tilted at 35°)	9.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	21.6°		22.3°
Field Angle 0%:	47.7°		49.0°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	1480.3		1552.2
CBCP:	7029		6316
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	195	2.3'	2.3'		6.0'	2.2'	162	2.4'	2.6'	4.0'	11.0'	18	4.5'	18.0'	4.0'	5.7'	83	2.7'	5.0'
8.0'	110	3.1'	3.1'		8.0'	2.9'	91	3.2'	3.5'	6.0'	16.5'	8	6.7'	27.0'	6.0'	8.6'	37	4.0'	7.5'
10.0'	70	3.8'	3.8'		10.0'	3.6'	58	4.1'	4.3'	8.0'	22.0'	4	8.9'	36.0'	8.0'	11.4'	21	5.3'	10.0'
12.0'	49	4.6'	4.6'		12.0'	4.4'	41	4.9'	3.7'	10.0'	27.5'	3	11.2'	45.0'	10.0'	14.3'	13	6.7'	12.5'
14.0'	36	5.3'	5.3'		14.0'	5.1'	30	5.7'	6.1'	12.0'	33.0'	2	13.4'	54.0'	12.0'	17.1'	9	8.0'	15.0'

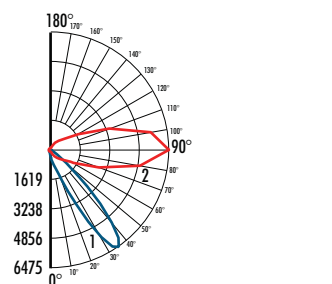
CANDELA TABULATION



MULTIPLIER (Tilted at 35°)

Lumen
5000lm : 3.44
4500lm : 3.02
3500lm : 2.11
3000lm : 1.75
2500lm : 1.72
2000lm : 1.35
1500lm : 1.00

CANDELA TABULATION (Tilted at 35°)

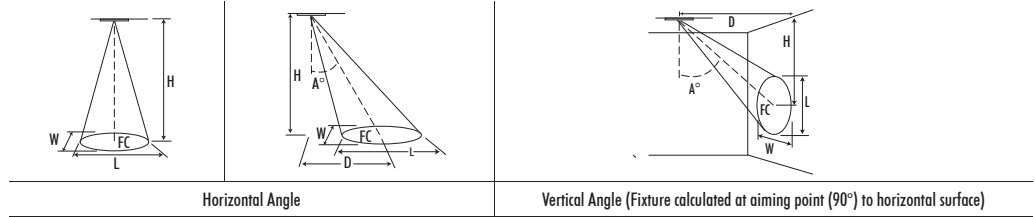


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
H = Distance to FC center of beam
FC = Footcandles
W = Beam width
L = Beam length



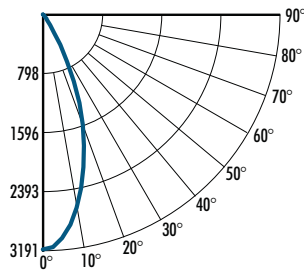
LHAJLD412C025UE-DUN-B45-T40/LRA471W (1500lm, 45°, 4000K)

System Power:	9.0W	(Tilted at 32.5°)
Test Date:	6/5/2018	9.0W
Beam Angle 50%:	36.4°	6/5/2018
Field Angle 0%:	64.5°	35.3°
Color Temp. (CCT):	4000K	65.3°
CRI :	80	4000K
Lumens Delivered:	1479.3	80
CBCP:	3191	1481
Power Factor:	> 0.9	2777
		> 0.9

MULTIPLIERS	
Lumen	CCT
5000lm : 3.60	4000K : 1.00
4500lm : 3.16	3500K : 0.93
3500lm : 2.07	3000K : 0.93
3000lm : 1.72	2700K : 0.87
2500lm : 1.79	
2000lm : 1.34	CRI
1500lm : 1.00	80 CRI : 1.00
	90 CRI : 0.80

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	89	3.9'	3.9'		6.0'	2.2'	74	4.2'	4.5'	4.0'	11.0'	8	7.7'	122.2'	4.0'	5.7'	38	4.6'	10.3'
8.0'	50	5.3'	5.3'		8.0'	2.9'	41	5.6'	6.0'	6.0'	16.5'	4	11.5'	183.3'	6.0'	8.6'	17	6.9'	15.4'
10.0'	32	6.6'	6.6'		10.0'	3.6'	26	7.0'	7.6'	8.0'	22.0'	2	15.4'	244.4'	8.0'	11.4'	9	9.2'	20.5'
12.0'	22	7.9'	7.9'		12.0'	4.4'	18	8.4'	9.1'	10.0'	27.5'	1	19.2'	305.5'	10.0'	14.3'	6	11.5'	25.6'
14.0'	16	9.2'	9.2'		14.0'	5.1'	14	9.8'	10.6'	12.0'	33.0'	1	23.1'	366.6'	12.0'	17.1'	4	13.8'	30.8'

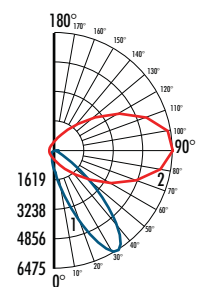
CANDELA TABULATION



MULTIPLIER (Tilted at 32.5°)

Lumen
5000lm : 3.61
4500lm : 3.15
3500lm : 1.97
3000lm : 1.64
2500lm : 1.80
2000lm : 1.34
1500lm : 1.00

CANDELA TABULATION (Tilted at 32.5°)



1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

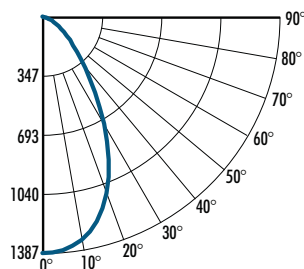
LHAJLD412C025UE-DUN-B60-T40/LRA471W (1500lm, 60°, 4000K)

System Power:	9.0W
Test Date:	6/18/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1718.9
CBCP:	1387
Power Factor:	> 0.9

MULTIPLIERS	
Lumen	CCT
5000lm : 3.58	4000K : 1.00
4500lm : 3.12	3500K : 0.93
3500lm : 1.85	3000K : 0.93
3000lm : 1.54	2700K : 0.87
2500lm : 1.46	
2000lm : 1.34	CRI
1500lm : 1.00	80 CRI : 1.00
	90 CRI : 0.80

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	39	7.2'	7.2'		6.0'	2.2'	32	7.6'	8.5'	4.0'	11.0'	3	14.0'		4.0'	5.7'	16	8.3'	53.3'
8.0'	22	9.6'	9.6'		8.0'	2.9'	18	10.2'	11.4'	6.0'	16.5'	2	21.0'		6.0'	8.6'	7	12.5'	80.0'
10.0'	14	11.9'	11.9'		10.0'	3.6'	12	12.7'	14.2'	8.0'	22.0'	1	27.9'		8.0'	11.4'	4	16.7'	106.7'
12.0'	10	14.3'	14.3'		12.0'	4.4'	8	15.3'	17.0'	10.0'	27.5'	1	34.9'		10.0'	14.3'	3	20.8'	133.3'
14.0'	7	16.7'	16.7'		14.0'	5.1'	6	17.8'	19.9'	12.0'	33.0'	0	41.9'		12.0'	17.1'	2	25.0'	160.0'

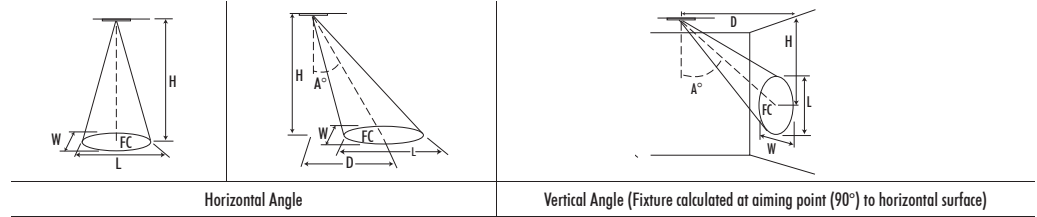
CANDELA TABULATION



PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
H = Distance to FC center of beam
FC = Footcandles
W = Beam width
L = Beam length



LHAJLD425C070UE-DUN-B15-T40/LRA471W (3000lm, 15°, 4000K)

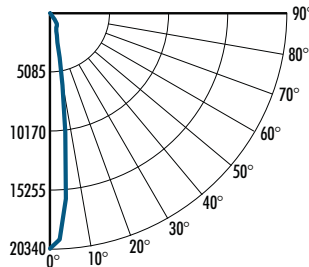
System Power:	28.1W
Test Date:	6/5/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3457.4
CBCP:	20340
Power Factor:	> 0.9

MULTIPLIERS

Lumen	CCT
5000lm : 1.42	4000K : 1.00
4500lm : 1.25	3500K : 0.93
3500lm : 1.08	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.93	
2000lm : 0.70	CRI
1500lm : 0.52	80 CRI : 1.00
	90 CRI : 0.80

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	565	1.6'	1.6'		6.0'	2.2'	469	1.7'	1.9'	4.0'	11.0'	51	3.2'	10.8'	4.0'	5.7'	240	1.9'	3.4'
8.0'	318	2.2'	2.2'		8.0'	2.9'	264	2.3'	2.5'	6.0'	16.5'	23	4.8'	16.2'	6.0'	8.6'	107	2.8'	5.2'
14.0'	104	3.8'	3.8'		14.0'	5.1'	86	4.1'	4.3'	8.0'	22.0'	13	6.4'	21.6'	8.0'	11.4'	60	3.8'	6.9'
16.0'	79	4.4'	4.4'		16.0'	5.8'	66	4.6'	4.9'	10.0'	27.5'	8	8.0'	27.1'	10.0'	14.3'	38	4.7'	8.6'
20.0'	51	5.4'	5.4'		20.0'	7.3'	42	5.8'	6.2'	12.0'	33.0'	6	9.5'	32.5'	12.0'	17.1'	27	5.7'	10.3'

CANDELA TABULATION



LHAJLD425C070UE-DUN-B25-T40/LRA471W (3000lm, 25°, 4000K)

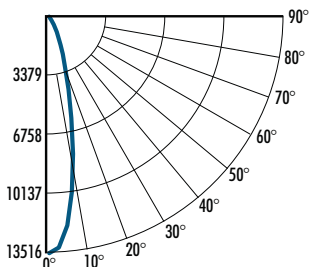
System Power:	28.1W
Test Date:	5/14/2018
Beam Angle 50%:	21.6°
Field Angle 0%:	47.7°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	2846.6
CBCP:	13516
Power Factor:	> 0.9

(Tilted at 35°)

28.1W
5/14/2018
22.3°
49.0°
4000K
80
2722
11077
> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	375	2.3'	2.3'		6.0'	2.2'	312	2.4'	2.6'	4.0'	11.0'	34	4.5'	18.0'	4.0'	5.7'	159	2.7'	5.0'
8.0'	211	3.1'	3.1'		8.0'	2.9'	175	3.2'	3.5'	6.0'	16.5'	15	6.7'	27.0'	6.0'	8.6'	71	4.0'	7.5'
14.0'	69	5.3'	5.3'		14.0'	5.1'	57	5.7'	6.1'	8.0'	22.0'	8	8.9'	36.0'	8.0'	11.4'	40	5.3'	10.0'
16.0'	53	6.1'	6.1'		16.0'	5.8'	44	6.5'	6.9'	10.0'	27.5'	5	11.2'	45.0'	10.0'	14.3'	26	6.7'	12.5'
18.0'	42	6.9'	6.9'		18.0'	6.6'	35	7.3'	7.8'	12.0'	33.0'	4	13.4'	54.0'	12.0'	17.1'	18	8.0'	15.0'

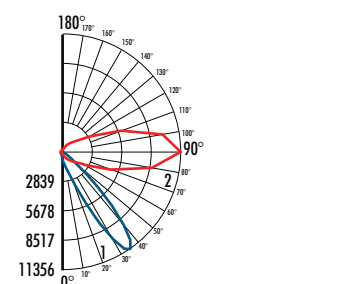
CANDELA TABULATION



MULTIPLIER (Tilted at 35°)

Lumen
5000lm : 1.96
4500lm : 1.72
3500lm : 1.20
3000lm : 1.00
2500lm : 0.98
2000lm : 0.77
1500lm : 0.57

CANDELA TABULATION (Tilted at 35°)

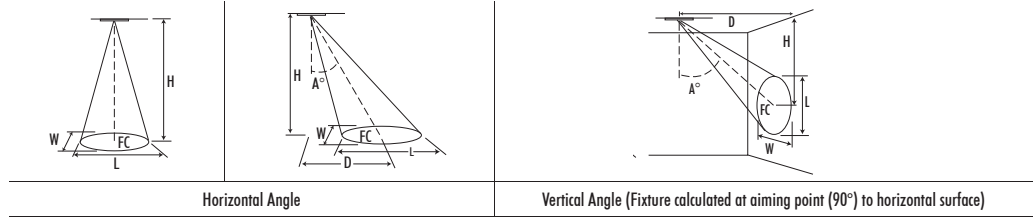


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
H = Distance to FC center of beam
FC = Footcandles
W = Beam width
L = Beam length

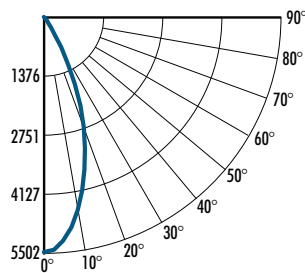


LHAJLD425C070UE-DUN-B45-T40/LRA471W (3000lm, 45°, 4000K)

System Power:	28.1W	(Tilted at 32.5°)	28.1W
Test Date:	5/14/2018		5/14/2018
Beam Angle 50%:	36.4°		35.3°
Field Angle 0%:	64.5°		65.6°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	2550.4		2427.9
CBCP:	5502		4553
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	153	3.9'	3.9'		6.0'	2.2'	127	4.2'	4.5'	4.0'	11.0'	14	7.7'	122.2'	4.0'	5.7'	65	4.6'	10.3'
8.0'	86	5.3'	5.3'		8.0'	2.9'	71	5.6'	6.0'	6.0'	16.5'	6	11.5'	183.3'	6.0'	8.6'	29	6.9'	15.4'
14.0'	28	9.2'	9.2'		14.0'	5.1'	23	9.8'	10.6'	8.0'	22.0'	3	15.4'	244.4'	8.0'	11.4'	16	9.2'	20.5'
16.0'	21	10.5'	10.5'		16.0'	5.8'	18	11.2'	12.1'	10.0'	27.5'	2	19.2'	305.5'	10.0'	14.3'	10	11.5'	25.6'
18.0'	17	11.8'	11.8'		18.0'	6.6'	14	12.6'	13.6'	12.0'	33.0'	2	23.1'	366.6'	12.0'	17.1'	7	13.8'	30.8'

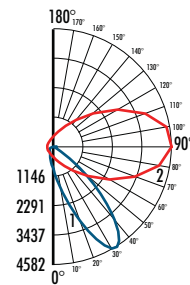
CANDELA TABULATION



MULTIPLIER (Tilted at 32.5°)

Lumen
5000lm : 2.09
4500lm : 1.83
3500lm : 1.20
3000lm : 1.00
2500lm : 1.04
2000lm : 0.78
1500lm : 0.58

CANDELA TABULATION (Tilted at 32.5°)



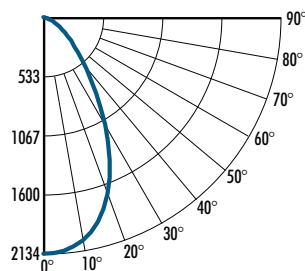
1 - Vertical Plane Through Horizontal Angles (0° - 180°) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35°) (Through Max. Cd.)

LHAJLD425C070UE-DUN-B60-T40/LRA471W (3000lm, 60°, 4000K)

System Power:	28.1W
Test Date:	6/18/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.2°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	2644.4
CBCP:	2134
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
6.0'	59	7.2'	7.2'		6.0'	2.2'	49	7.6'	8.5'	4.0'	11.0'	5	14.0'		4.0'	5.7'	25	8.3'	53.3'
8.0'	33	9.6'	9.6'		8.0'	2.9'	28	10.2'	11.4'	6.0'	16.5'	2	21.0'		6.0'	8.6'	11	12.5'	80.0'
10.0'	21	11.9'	11.9'		10.0'	3.6'	18	12.7'	14.2'	8.0'	22.0'	1	27.9'		8.0'	11.4'	6	16.7'	106.7'
12.0'	15	14.3'	14.3'		12.0'	4.4'	12	15.3'	17.0'	10.0'	27.5'	1	34.9'		10.0'	14.3'	4	20.8'	133.3'
14.0'	11	16.7'	16.7'		14.0'	5.1'	9	17.8'	19.9'	12.0'	33.0'	1	41.9'		12.0'	17.1'	3	25.0'	160.0'

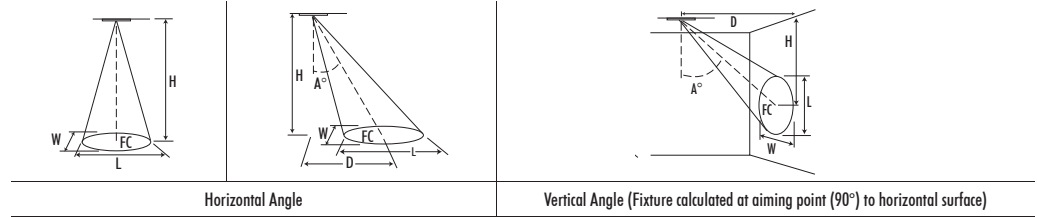
CANDELA TABULATION



PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
H = Distance to FC center of beam
FC = Footcandles
W = Beam width
L = Beam length

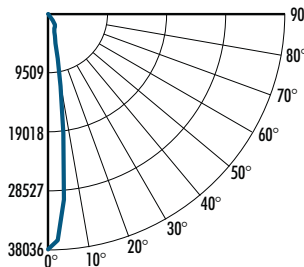


LHAJLD450C140UE-DUN-B15-T40/LRA471W (5000lm, 15°, 4000K)

System Power:	60.0W
Test Date:	5/14/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6465.5
CBCP:	38036
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	594	2.2'	2.2'		8.0'	2.9'	493	2.3'	2.5'	4.0'	11.0'	95	3.2'	10.8'	4.0'	5.7'	449	1.9'	3.4'
10.0'	380	2.7'	2.7'		10.0'	3.6'	316	2.9'	3.1'	6.0'	16.5'	42	4.8'	16.2'	6.0'	8.6'	199	2.8'	5.2'
20.0'	95	5.4'	5.4'		20.0'	7.3'	79	5.8'	6.2'	8.0'	22.0'	24	6.4'	21.6'	8.0'	11.4'	112	3.8'	6.9'
25.0'	61	6.8'	6.8'		25.0'	9.1'	50	7.2'	7.7'	10.0'	27.5'	15	8.0'	27.1'	10.0'	14.3'	72	4.7'	8.6'
30.0'	42	8.2'	8.2'		30.0'	10.9'	35	8.7'	9.3'	12.0'	33.0'	11	9.5'	32.5'	12.0'	17.1'	50	5.7'	10.3'

CANDELA TABULATION

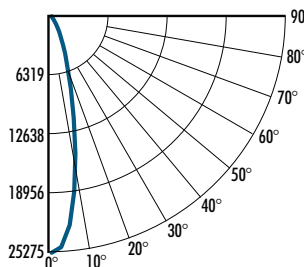


LHAJLD450C140UE-DUN-B25-T40/LRA471W (5000lm, 25°, 4000K)

System Power:	60.0W	(Tilted at 35°)	60.0W
Test Date:	5/14/2018		5/14/2018
Beam Angle 50%:	21.6°		22.3°
Field Angle 0%:	47.7°		49.0°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	5323.4		5337
CBCP:	25275		21718
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W	L	D	H	FC	W	L
8.0'	395	3.1'	3.1'		8.0'	2.9'	328	3.2'	3.5'	4.0'	11.0'	63	4.5'	18.0'	4.0'	5.7'	298	2.7'	5.0'
10.0'	253	3.8'	3.8'		10.0'	3.6'	210	4.1'	4.3'	6.0'	16.5'	28	6.7'	27.0'	6.0'	8.6'	132	4.0'	7.5'
20.0'	63	7.6'	7.6'		20.0'	7.3'	52	8.1'	8.7'	8.0'	22.0'	16	8.9'	36.0'	8.0'	11.4'	75	5.3'	10.0'
25.0'	40	9.5'	9.5'		25.0'	9.1'	34	10.2'	10.9'	10.0'	27.5'	10	11.2'	45.0'	10.0'	14.3'	48	6.7'	12.5'
30.0'	28	11.4'	11.4'		30.0'	10.9'	23	12.2'	13.0'	12.0'	33.0'	7	13.4'	54.0'	12.0'	17.1'	33	8.0'	15.0'

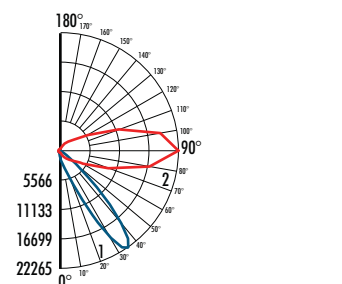
CANDELA TABULATION



MULTIPLIER (Tilted at 35°)

Lumen
5000lm : 1.00
4500lm : 0.88
3500lm : 0.61
3000lm : 0.51
2500lm : 0.50
2000lm : 0.39
1500lm : 0.29

CANDELA TABULATION (Tilted at 35°)

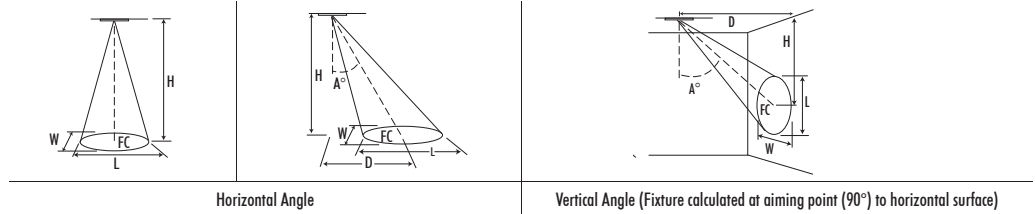


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1500lm	2000lm	2500lm	3000lm	3500lm	4500lm	5000lm
SYSTEM POWER:	9W	11W	19W	28W	39W	44W	60W

D = Distance from ceiling to ground/wall
H = Distance to FC center of beam
FC = Footcandles
W = Beam width
L = Beam length

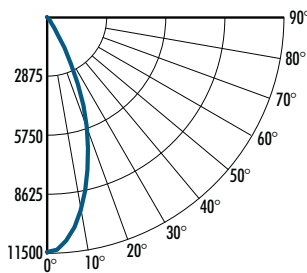


LHAJLD450C140UE-DUN-B45-T40LRA471W (5000lm, 45°, 4000K)

System Power:	60.0W	(Tilted at 35°)	60.0W
Test Date:	5/14/2018		5/14/2018
Beam Angle 50%:	36.4°		35.3°
Field Angle 0%:	64.5°		65.5°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	5330.5		5341
CBCP:	11500		10016
Power Factor:	> 0.9		> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W		D	H	FC	W	L
8.0'	83	11.0'	11.0'		8.0'	2.9'	69	11.7'	13.3'	4.0'	11.0'	13	16.1'		4.0'	5.7'	63	9.6'	456.9'
10.0'	53	13.7'	13.7'		10.0'	3.6'	44	14.6'	16.6'	6.0'	16.5'	6	24.1'		6.0'	8.6'	28	14.4'	685.3'
20.0'	13	27.5'	27.5'		20.0'	7.3'	11	29.3'	33.2'	8.0'	22.0'	3	32.2'		8.0'	11.4'	16	19.2'	913.7'
25.0'	9	34.4'	34.4'		25.0'	9.1'	7	36.6'	41.5'	10.0'	27.5'	2	40.2'		10.0'	14.3'	10	24.0'	1142.1'
30.0'	6	41.2'	41.2'		30.0'	10.9'	5	43.9'	49.8'	12.0'	33.0'	1	48.2'		12.0'	17.1'	7	28.8'	1370.6'

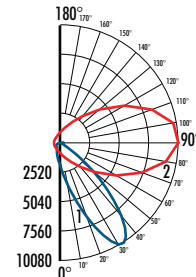
CANDELA TABULATION



MULTIPLIER (Tilted at 35°)

Lumen
5000lm : 1.00
4500lm : 0.87
3500lm : 0.55
3000lm : 0.45
2500lm : 0.50
2000lm : 0.37
1500lm : 0.28

CANDELA TABULATION (Tilted at 32.5°)



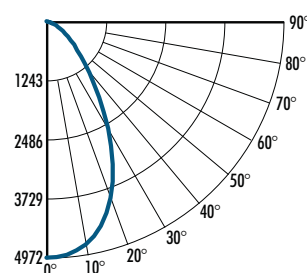
1 - Vertical Plane Through Horizontal Angles (0° - 180°) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35°) (Through Max. Cd.)

LHAJLD450C140UE-DUN-B60-T40/LRA471W (5000lm, 60°, 4000K)

System Power:	60.0W
Test Date:	6/18/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6161.6
CBCP:	4971
Power Factor:	> 0.9

No Angle Tilt (0°)					Angle A° = 20°					Angle A° = 20°					Angle A° = 35°				
H	FC	W	L		H	D	FC	W	L	D	H	FC	W		D	H	FC	W	L
6.0'	138	7.2'	7.2'		6.0'	2.2'	115	7.6'	8.5'	4.0'	11.0'	12	14.0'		4.0'	5.7'	59	8.3'	53.3'
8.0'	78	9.6'	9.6'		8.0'	2.9'	64	10.2'	11.4'	6.0'	16.5'	6	21.0'		6.0'	8.6'	26	12.5'	80.0'
14.0'	25	16.7'	16.7'		14.0'	5.1'	21	17.8'	19.9'	8.0'	22.0'	3	27.9'		8.0'	11.4'	15	16.7'	106.7'
16.0'	19	19.1'	19.1'		16.0'	5.8'	16	20.3'	22.7'	10.0'	27.5'	2	34.9'		10.0'	14.3'	9	20.8'	133.3'
18.0'	15	21.5'	21.5'		18.0'	6.6'	13	22.9'	25.6'	12.0'	33.0'	1	41.9'		12.0'	17.1'	7	25.0'	160.0'

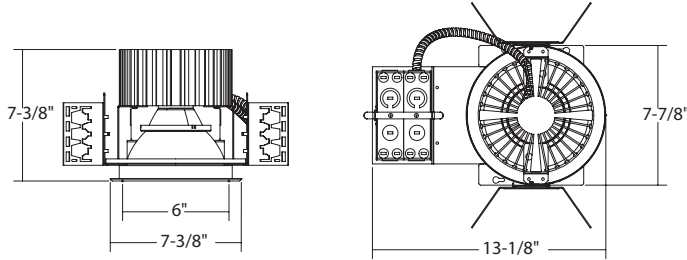
CANDELA TABULATION



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	60° Wide Flood	-B60	Single Fuse	-FS
1000lm (9W)	12C025			90° Very Wide Flood	-B90	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	C-Channel Hanger Bar Set	C260
3500lm (28W)	35C070	DMX Dimming (0%)	UE-DMX²	2700K, 90 CRI	-T27-C90	Adjustable C-Channel Hanger Bar Set	C260-J
5000lm (41W)	45C105	0-10V Dimming (1%)	UE-D10P1³	3000K, 80 CRI	-T30		
6000lm (51W)	50C085	347V 0-10V Dimming (5%)	-347-D10³	3000K, 90 CRI	-T30-C90		
7000lm (64W)	60C105	Lutron Hilume/ Ecoystem Dimming (1%)	UE-DHL³	3000K, 97 CRI	-T30-C97	Trim (Open)	
8000lm (72W)	70C125			3500K, 80 CRI	-T35	All White	LRB61W
10,000lm (116W)	120C200	120V 2-Wire Incandescent (1%)	DINP1⁴	4000K, 80 CRI	-T40	All Black	LRB61B
				Warm dimming 1850K-3000K	-TWD⁵	All Satin Haze	LRB61S
				Tunable White 2700K-6500K	-TTW⁶	Satin Haze/White	LRB61SW
						Trim (Lensed)	
						All White	LRB62W
						All Black	LRB62B
						All Satin Haze	LRB62S
						Satin Haze/White	LRB62SW
						(For wet locations add -WL)	

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 - 2500lm.

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.

⁷ EMAC emergency option fully illuminates during power failure. Only available for 9W, 13W, 19W and 28W options.

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 2 1/4" 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), 60° Wide Flood (B60), 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). Lensed Trims available in all White (LRB62W), all Black (LRB62B), all Satin Haze (LRB62B), and Satin Haze/White (LRB62SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750.

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

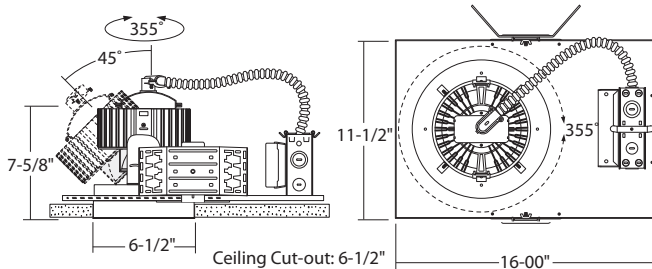
Covered by an industry leading 12 Year Warranty for UniDim™ fixtures and 5 years for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.



LHAJLD6 - 6" LUMENBLAST

ADJUSTABLE ACCENT & LENSED WALL WASH, ROUND, 1500LM - 10,000LM

- Illuminate up to 100' ceilings
- Adjustable to 45° angle and 355° of rotation.
- Four trim finishes
- Low glare design
- Highly efficient COB (Chip on Board) LED



LHAJLD6



ORDERING – Example: LHAJLD620C050UE-DUN-B45-T27-FS/LRA671S

LHAJLD6

Fixture	Lumens	Dimming	Beam Spread	Color Temperature	Frame Options	Trim
Adjustable Downlight	LHAJLD6	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	60° Wide Flood -B60	Single Fuse	-FS
1500lm (11W)	15C035	Wireless Enocean Adapter (10%)	UE-DEN	90° Very Wide Flood -B90	Remote Emergency Backup (12W)	-EM
2000lm (19W)	20C050	DMX Dimming (0%)	UE-DMX	Color Temperature	Remote Emergency Inverter (up to 28W)	-EMAC^{6,7}
2500lm (28W)	25C070	0-10V Dimming (1%)	UE-D10P1	2700K, 80 CRI -T27	C-Channel Hanger Bar Set	C260
3000lm (44W)	35C105	347V 0-10V Dimming (5%)	-347-D10	2700K, 90 CRI -T27-C90	Adjustable C-Channel Hanger Bar Set	C260-J
4000lm (60W)	50C140¹	Lutron HiLume/ EcoSystem Dimming (1%)	UE-DHL¹	2700K, 97 CRI -T27-C97³	Trim (Open Adjustable)	
5000lm (41W)	45C105	120V 2-Wire Incandescent (1%)	DINP1⁷	3000K, 80 CRI -T30	All White	LRA671W
6000lm (51W)	60C085			3000K, 90 CRI -T30-C90	All Black	LRA671B
7000lm (64W)	55C105			3000K, 97 CRI -T30-C97³	All Satin Haze	LRA671S
8000lm (72W)	70C125¹			3500K, 80 CRI -T35	Satin Haze/White	LRA671SW
10,000lm (116W)	120C200¹			4000K, 80 CRI -T40	Trim (Lensed Wall Wash)	
				Warm dimming 1850K-3000K -TWD⁴	All White	LRA672W
				Tunable White 2700K-6500K -TTW⁵	All Black	LRA672B
					All Satin Haze	LRA672S
					Satin Haze/White	LRA672SW

¹ 4000lm, 8000lm and 10,000lm not available with Lutron (HiLume) driver.
² All drivers are 120V/277V unless otherwise noted.
³ 97 CRI available for lumen packages of 5000lm and above.
⁴ Warm Dimming only available for 1500lm & 2500lm options.
⁵ Tunable White only available with 0-10V signal via "UE-D10P1" option or DMX signal via "UE-DMX" option for 1500lm, 2000lm, 2500lm, 3000lm & 5000lm option only.
⁶ EMAC emergency option fully illuminates during power failure.
⁷ Only available for 11W, 19W and 28W options.

OPTIONS

C260

C-Channel Hanger Bar Set



C260-J

Adjustable C-Channel Hanger Bar Set





LHAJLD6 - 6" LUMENBLAST

ADJUSTABLE ACCENT & LENSED WALL WASH, ROUND, 1500LM - 10,000LM

SPECIFICATION

Applications

The 6" LumenBlast housing is designed for medium to high ceiling heights and is available as an adjustable accent that can be angled to 35°. 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 2 1/4" 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), 60° Wide Flood (B60), 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 Adjustable Trims available in all White (LRA671W), all Black (LRA671B), all Satin Haze (LRA671B), and Satin Haze/White (LRA671SW). Lensed Wall Wash Trims available in all White (LRA672W), all Black (LRA672B), all Satin Haze (LRA672B), and Satin Haze/White (LRA672SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750.

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

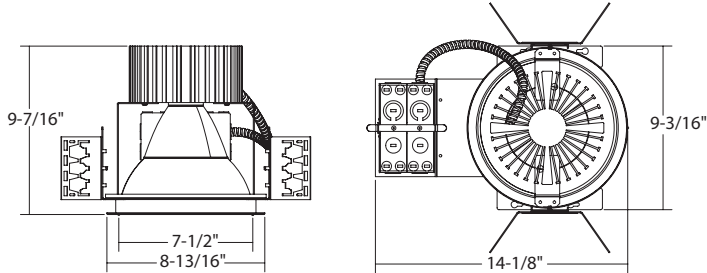
Covered by an industry leading 12 Year Warranty for UniDim™ fixtures and 5 years for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED lamp life and a voided warranty.



LHABLD8 - 8" 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: 8" Dia.
Maximum Ceiling Thickness: 1-1/4"



LHABLD8



ORDERING – Example: LHABLD820C050UE-DUN-B40-T27-C90-FS/LRB81S

LHABLD8

Fixture	Lumens	Dimming	Beam Spread	Color Temperature	Frame Options	Trim
Downlight	LHABLD8					
Lumens (Nominal Delivered)		Dimming ¹	Beam Spread	Frame Options		
1000lm (9W)	12C025	Non-Dimming	15° Narrow Spot	Blank	None	Blank
1500lm (13W)	15C035	Remote Driver	20° Spot	-RMT	Generator Transfer Device	-GTD
2500lm (19W)	20C050	UniDim™ 0-10V ELV Triac Dimming (5%)	40° Flood	UE-DUN	Single Fuse	-FS
3500lm (28W)	35C070	Wireless Enocean Adapter (10%)	70° Very Wide Flood	UE-DEN	Remote Emergency Backup (12W)	-EM
5000lm (41W)	45C105	DMX Dimming (0%)	Color Temperature		Remote Emergency Inverter (up to 28W)	-EMAC⁷
6000lm (51W)	50C085	0-10V Dimming (1%)	2700K, 80 CRI	UE-DMX²	C-Channel Hanger Bar Set	C260
7000lm (64W)	60C105	347V 0-10V Dimming (5%)	2700K, 90 CRI	UE-D10P1³	Adjustable C-Channel Hanger Bar Set	C260-J
8000lm (72W)	70C125	Lutron Hilume/ Ecosystem Dimming (1%)	3000K, 80 CRI	-347-D10³	Trim (Open)	
10,000lm (116W)	120C200	120V 2-Wire Incandescent (1%)	3000K, 90 CRI	UE-DHL³	All White	LRB81W
			3500K, 80 CRI	DINP1⁴	All Black	LRB81B
			4000K, 80 CRI		All Satin Haze	LRB81S
			Warm dimming 1850K-3000K		Satin Haze/White	LRB81SW
			Tunable White 2700K-6500K		Trim (Lensed)	
					All White	LRB82W
					All Black	LRB82B
					All Satin Haze	LRB82S
					Satin Haze/White	LRB82SW
					(For wet locations add -WL)	

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.

⁷ EMAC emergency option fully illuminates during power failure. Only available for 9W, 13W, 19W and 28W options.

OPTIONS

C260

C-Channel Hanger Bar Set



C260-J

Adjustable C-Channel Hanger Bar Set





LHABLD8 - 8" LUMENBLAST

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

SPECIFICATION

Applications

The 8" 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 2 1/4" 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 15° Narrow Spot (B15), 20° Spot (B20), 40° Flood (B40), and 70° Very Wide Flood (B70).

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 (LRB81W), all Black (LRB81B), all Satin Haze (LRB81B), and Satin Haze/White (LRB81SW). Lensed Trims available in all White (LRB82W), all Black (LRB82B), all Satin Haze (LRB82B), and Satin Haze/White (LRB82SW).

Certifications and Listings

ETL/cETL listed to UL1598 and UL8750.

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 industry leading 12 Year Warranty for UniDim™ fixtures and 5 years 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.

