

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



LHABLDQ4



Fixture	Lumen	Dimming	Beam Spread	Color Temperature	Frame Options	Trim	
Fixture		Dimming ¹	Beam Spread		Frame Options		
Downlight	LHABLDQ4	Non-Dimming	Blank	15° Narrow Spot	-B15	None	Blank
		Remote Driver	-RMT	20° Spot	-B20	Generator Transfer Device	-GTD
Lumens (Nominal Delivered)		UniDim™ 0-10V, ELV, Triac Dimming (5%)	UE-DUN	40° Flood	-B40	Single Fuse	-FS
1000lm (9W)	12C025			70° Very Wide Flood	-B70	Remote Emergency Backup (12W)	-EM
1500lm 13W)	15C035					Remote Emergency Inverter (up to 28W)	-EMAC⁴
2500lm (19W)	20C050	Wireless Enoclean Adapter (10%)	UE-DEN	Color Temperature		C-Channel Hanger Bar Set	C260
3500lm (27W)	35C070			2700K, 80 CRI	-T27	Adjustable C-Channel Hanger Bar Set	C260-J
5000lm (41W)	45C105	DMX Dimming (0%)	UE-DMX	2700K, 90 CRI	-T27-C90		
6000lm (51W)	50C085	0-10V Dimming (1%)	UE-D10P1	3000K, 80 CRI	-T30		
7000lm (64W)	60C105	347V 0-10V Dimming (5%)	-347V-D10	3000K, 90 CRI	-T30-C90		
		Lutron Hilume/ Ecoystem Dimming (1%)	UE-DHL	3000K, 97 CRI	-T30-C97	Trim (Open)	
				3500K, 80 CRI	-T35	All White	LRAQ41W
				4000K, 80 CRI	-T40	All Black	LRAQ41B
				Warm dimming 1850K-3000K	-TWD²	All Satin Haze	LRAQ41S
		120V 2-Wire Incandescent (1%)	DINP1	Tunable White 2700K-6500K	-TTW³	Satin Haze/White	LRAQ41SW
						Trim (Lensed)	
						All White	LRAQ42W
						All Black	LRAQ42B
						All Satin Haze	LRAQ42S
						Satin Haze/White	LRAQ42SW

(For wet locations add -WL)





LHABLDQ4 - 4" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, SQUARE, 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 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 (LRAQ41W), all Black (LRAQ41B), all Satin Haze (LRAQ41B), and Satin Haze/White (LRAQ61SW) Lensed trims available in all White (LRAQ42W), all Black (LRAQ42B), all Satin Haze (LRAQ42B), and Satin Haze/White (LRAQ42SW).

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.



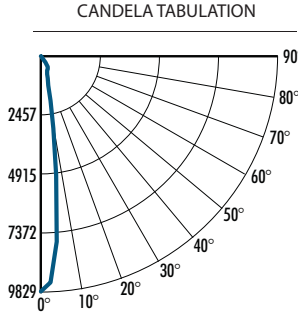
PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	27W	41W	51W	64W

LHABLDQ412C025UE-DUN-B15-T40/LRAQ41W (1000lm, 15°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	14.3°
Field Angle 10%:	31.5°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1308.5
CBCP:	9829
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	
90 CRI : 0.77	



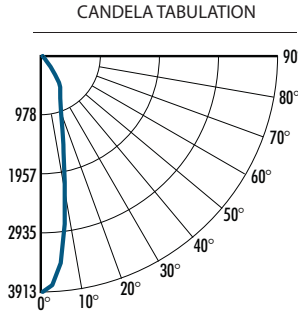
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	1.5'	273.03	130.19
8.0'	2.0'	153.58	73.23
10.0'	2.5'	98.3	46.87
20.0'	5.0'	24.6	11.72
30.0'	7.5'	10.9	5.21

LHABLDQ412C025UE-DUN-B20-T40/LRAQ41W (1000lm, 20°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	21.1°
Field Angle 10%:	68.4°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1217.5
CBCP:	3913
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	



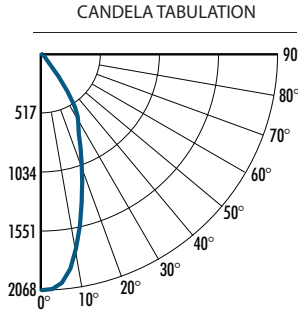
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	2.2'	108.69	56.14
8.0'	3.0'	61.14	31.58
10.0'	3.7'	39.1	20.21
18.0'	6.7'	12.1	6.24
24.0'	8.9'	6.8	3.51

LHABLDQ412C025UE-DUN-B40-T40/LRAQ41W (1000lm, 40°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	38.6°
Field Angle 10%:	75.8°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1342
CBCP:	2068
Power Factor:	>0.90

MULTIPLIERS	
Lumen	CCT
7000lm : 5.71	4000K : 1.00
6000lm : 4.70	3500K : 0.99
5000lm : 3.92	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	



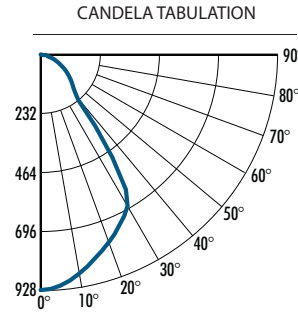
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.2'	57.44	23.73
8.0'	5.6'	32.31	13.35
10.0'	7.0'	20.7	8.54
14.0'	9.8'	10.6	4.36
18.0'	12.6'	6.4	2.64

LHABLDQ412C025UE-DUN-B70-T40/LRAQ41W (1000lm, 70°, 4000K)

System Power:	8.9W
Test Date:	5/23/2018
Beam Angle 50%:	70.5°
Field Angle 10%:	123.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1342
CBCP:	928
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'	8.5'	25.78	7.49
8.0'	11.3'	14.50	4.21
10.0'	14.1'	9.3	2.70
12.0'	17.0'	6.4	1.87
14.0'	19.8'	4.7	1.38

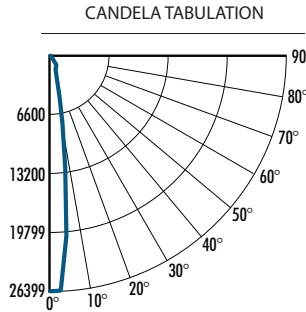
PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	27W	41W	51W	64W

LHABLDQ435C070UE-DUN-B15-T40/LRAQ41W (3500lm, 15°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	14.3°
Field Angle 0%:	31.5°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3514.4
CBCP:	26399
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



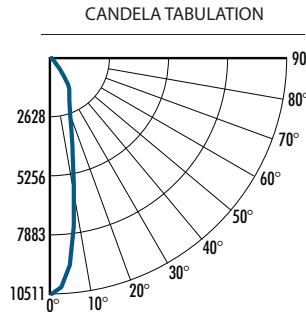
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	1.5'	733.31	727.67
8.0'	2.0'	412.48	409.32
10.0'	2.5'	264.0	261.96
20.0'	5.0'	66.0	65.49
30.0'	7.5'	29.3	29.11

LHABLDQ435C070UE-DUN-B20-T40/LRAQ41W (3500lm, 20°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	21.1°
Field Angle 10%:	68.4°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3270.2
CBCP:	10511
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



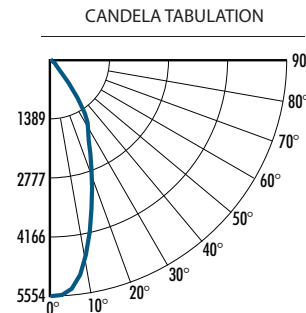
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	2.2'	291.97	320.43
8.0'	3.0'	164.23	180.24
10.0'	3.7'	105.1	115.36
18.0'	6.7'	32.4	35.60
24.0'	8.9'	18.2	20.03

LHABLDQ412C025UE-DUN-B40-T40/LRAQ41W (3500lm, 40°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	38.6°
Field Angle 10%:	75.8°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3604
CBCP:	5554
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



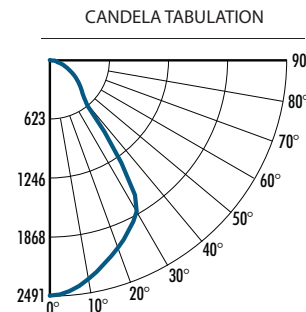
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.2'	154.28	63.75
8.0'	5.6'	86.78	35.86
10.0'	7.0'	55.5	22.95
14.0'	9.8'	28.3	11.71
18.0'	12.6'	17.1	7.08

LHABLDQ435C070UE-DUN-B70-T40/LRAQ41W (3500lm, 70°, 4000K)

System Power:	27.4W
Test Date:	5/23/2018
Beam Angle 50%:	70.5°
Field Angle 10%:	123.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	3604
CBCP:	2491
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'	8.5'	69.19	20.11
8.0'	11.3'	38.92	11.31
10.0'	14.1'	24.9	7.24
12.0'	17.0'	17.3	5.03
14.0'	19.8'	12.7	3.69

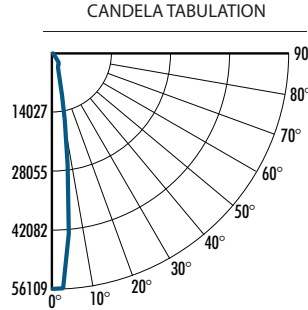
PHOTOMETRY

NOMINAL LUMEN PACKAGE:	1000lm	1500lm	2500lm	3500lm	5000lm	6000lm	7000lm
SYSTEM POWER:	9W	13W	19W	27W	41W	51W	64W

LHABLDQ460C105UE-DUN-B15-T40/LRAQ41W (7000lm, 15°, 4000K)

System Power:	63.8W
Test Date:	5/24/2018
Beam Angle 50%:	14.3°
Field Angle 0%:	31.5°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7469.7
CBCP:	56109
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



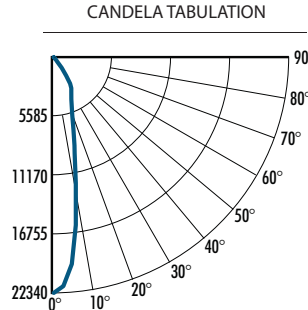
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	1.5'	1558.58	342.36
8.0'	2.0'	876.70	192.58
10.0'	2.5'	561.1	123.25
20.0'	5.0'	140.3	30.81
30.0'	7.5'	62.3	13.69

LHABLDQ460C105UE-DUN-B20-T40/LRAQ41W (7000lm, 20°, 4000K)

System Power:	63.9W
Test Date:	5/24/2018
Beam Angle 50%:	21.1°
Field Angle 10%:	68.4°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6950.8
CBCP:	22340
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



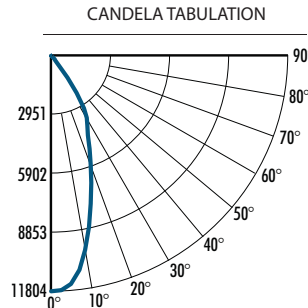
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	2.2'	620.56	150.76
8.0'	3.0'	349.06	84.80
10.0'	3.7'	223.4	54.27
18.0'	6.7'	69.0	16.75
24.0'	8.9'	38.8	9.42

LHABLDQ460C105UE-DUN-B40-T40/LRAQ41W (7000lm, 40°, 4000K)

System Power:	63.9W
Test Date:	5/24/2018
Beam Angle 50%:	38.6°
Field Angle 10%:	75.8°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7660.1
CBCP:	11804
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



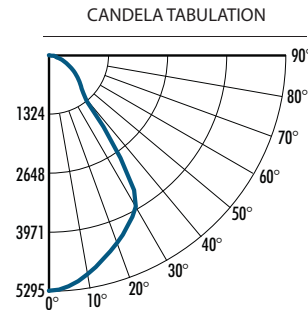
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	4.2'	327.89	135.49
8.0'	5.6'	184.44	76.21
10.0'	7.0'	118.0	48.78
14.0'	9.8'	60.2	24.89
18.0'	12.6'	36.4	15.05

LHABLDQ460C105UE-DUN-B70-T40/LRAQ41W (7000lm, 70°, 4000K)

System Power:	63.9W
Test Date:	5/24/2018
Beam Angle 50%:	70.5°
Field Angle 10%:	123.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	7660.1
CBCP:	5295
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



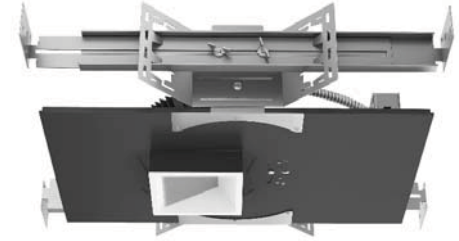
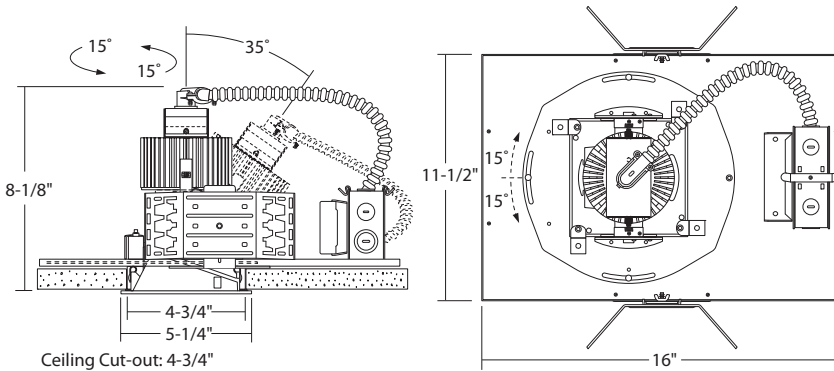
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	Footcandle (FC)	
		Beam Center	Beam Edge
6.0'	8.5'	147.08	42.74
8.0'	11.3'	82.73	24.04
10.0'	14.1'	53.0	15.39
12.0'	17.0'	36.8	10.68
14.0'	19.8'	27.0	7.85

LHAJLDQ4 - 4" LUMENBLAST

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

- Accent with a range of adjustability up to 35°
- Illuminate up to 70' ceilings
- Four trim finishes
- Highly efficient COB (Chip on Board) LED



LHAJLDQ4



ORDERING – Example: LHAJLDQ420C050UE-DUN-B45-TWD-FS/LRAQ472S

LHAJLDQ4

Fixture	Lumen	Dimming	Beam Spread	Color Temperature	Frame Options	Trim
Adjustable Downlight	LHAJLDQ4	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
Lumens (Nominal Delivered)		Wireless Enocean Adapter (10%)	UE-DEN	60° Wide Flood -B60	Remote Emergency Backup (12W)	-EM
1500lm (9W)	12C025	DMX Dimming (0%)	UE-DMX	Color Temperature	Remote Emergency Inverter (up to 28W)	-EMAC⁶
2000lm (11W)	15C035	0-10V Dimming (1%)	UE-D10P1	2700K, 80 CRI -T27	C-Channel Hanger Bar Set	C260
2500lm (19W)	20C050	347V 0-10V Dimming (5%)	-347V-D10	2700K, 90 CRI -T27-C90	Adjustable C-Channel Hanger Bar Set	C260-J
3000lm (28W)	25C070	Lutron Hilume/ Ecoystem Dimming(1%)	UE-DHL	3000K, 80 CRI -T30	Trim (Open Adjustable)	
3500lm (39W)	30C085			3000K, 90CRI -T30-C90	All White	LRAQ472W
4500lm (44W)	35C105			3500K, 80 CRI -T35	All Black	LRAQ472B
5000lm (60W)	50C140^{1,2}			4000K, 80 CRI -T40	All Satin Haze	LRAQ472S
				Warm dimming 1850K-3000K -TWD⁴	Satin Haze/White	LRAQ472SW
				Tunable White -TTW⁵		
				2700K-6500K		
					Trim (Lensed Wall Wash)	
					All White	LRAQ471W
					All Black	LRAQ471B
					All Satin Haze	LRAQ471S
					Satin Haze/White	LRAQ471SW

¹ Available in -B25, -B45, and -B60 Beam Spread only.

² Not available with Lutron (HiLum) driver.

³ All drivers are 120V/277V unless otherwise noted.

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 2000lm, 3000lm & 3500lm option only.

⁶ 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





LHAJLDQ4 - 4" LUMENBLAST

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

SPECIFICATION

Applications

The 4" 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 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 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 (LRAQ472W), all Black (LRAQ472B), all Satin Haze (LRAQ472B), and Satin Haze/White (LRAQ472SW). Lensed Wall Wash trims available in all White (LRAQ471W), all Black (LRAQ4721), all Satin Haze (LRAQ471B), and Satin Haze/White (LRAQ471SW).

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

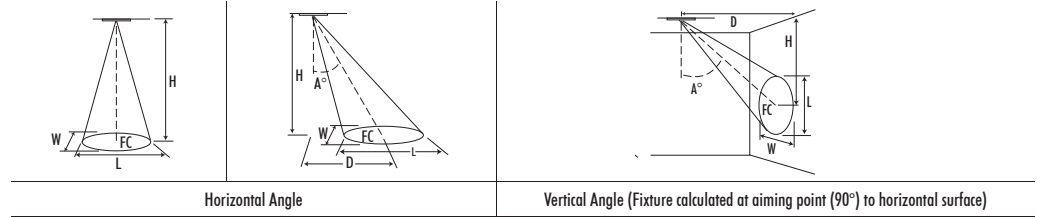
Covered by an industry leading 12 Year Warranty for UniDim™ fixtures and 5 years for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED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

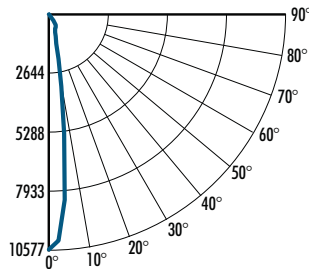


LHAJLDQ412C025UE-DUN-B15-T40/LRAQ472W (1500lm, 15°, 4000K)

System Power:	9.0W
Test Date:	6/4/2018
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

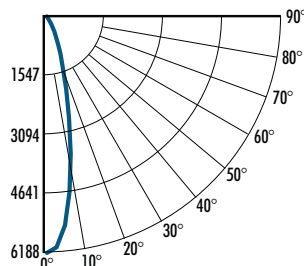


LHAJLDQ412C025UE-DUN-B25-T40/LRAQ472W (1500lm, 25°, 4000K)

System Power:	9.0W	(Tilted at 30°)	9.0W
Test Date:	6/4/2018		6/4/2018
Beam Angle 50%:	23.2°		24.5°
Field Angle 0%:	47.4°		51.5°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	1478.2		1523.9
CBCP:	6188		5717
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'	172	2.5'	2.5'		6.0'	2.2'	143	2.6'	2.8'	4.0'	11.0'	15	4.8'	20.6'	4.0'	5.7'	73	2.9'	5.5'
8.0'	97	3.3'	3.3'		8.0'	2.9'	80	3.5'	3.7'	6.0'	16.5'	7	7.2'	30.9'	6.0'	8.6'	32	4.3'	8.2'
10.0'	62	4.1'	4.1'		10.0'	3.6'	51	4.4'	4.7'	8.0'	22.0'	4	9.6'	41.2'	8.0'	11.4'	18	5.7'	10.9'
12.0'	43	4.9'	4.9'		12.0'	4.4'	36	5.2'	5.6'	10.0'	27.5'	2	12.0'	51.5'	10.0'	14.3'	12	7.2'	13.7'
14.0'	32	5.7'	5.7'		14.0'	5.1'	26	6.1'	6.5'	12.0'	33.0'	2	14.4'	61.8'	12.0'	17.1'	8	8.6'	16.4'

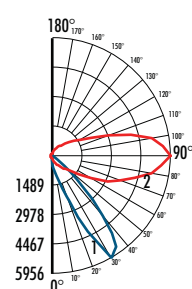
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

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 30°)

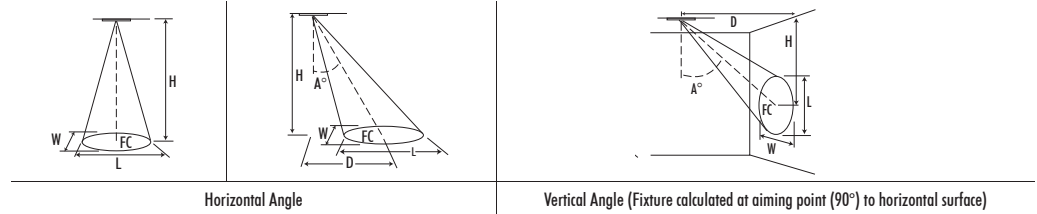


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

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



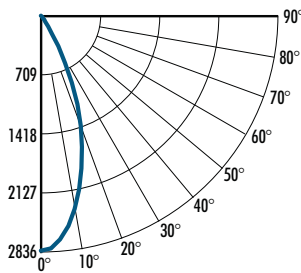
LHAJLDQ412C025UE-DUN-B45-T40/LRAQ472W (1500lm, 45°, 4000K)

System Power:	9.0W	(Tilted at 30°)	9.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	1421.6		1465.8
CBCP:	2836		2765
Power Factor:	>0.90		>0.90

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'	39	6.4'	6.4'		6.0'	2.2'	33	6.8'	7.5'	4.0'	11.0'	4	12.4'		4.0'	5.7'	17	7.4'	30.5'
8.0'	22	8.5'	8.5'		8.0'	2.9'	18	9.1'	10.0'	6.0'	16.5'	2	18.7'		6.0'	8.6'	7	11.1'	45.8'
10.0'	14	10.6'	10.6'		10.0'	3.6'	12	11.3'	12.5'	8.0'	22.0'	1	24.9'		8.0'	11.4'	4	14.8'	61.1'
12.0'	10	12.8'	12.8'		12.0'	4.4'	8	13.6'	15.0'	10.0'	27.5'	1	31.1'		10.0'	14.3'	3	18.5'	76.3'
14.0'	7	14.9'	14.9'		14.0'	5.1'	6	15.8'	17.5'	12.0'	33.0'	0	37.3'		12.0'	17.1'	2	22.2'	91.6'

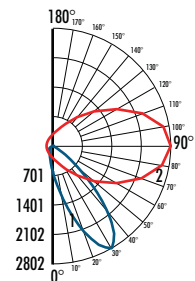
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

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 30°)



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

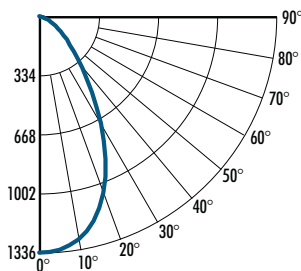
LHAJLDQ412C025UE-DUN-B60-T40/LRAQ472W (1500lm, 60°, 4000K)

System Power:	9.0W
Test Date:	6/22/2018
Beam Angle 50%:	61.8°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	1656
CBCP:	1336
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'	37	7.2'	7.2'		6.0'	2.2'	31	7.6'	8.5'	4.0'	11.0'	3	14.0'		4.0'	5.7'	16	8.3'	54.0'
8.0'	21	9.6'	9.6'		8.0'	2.9'	17	10.2'	11.4'	6.0'	16.5'	1	21.0'		6.0'	8.6'	7	12.5'	81.0'
10.0'	13	12.0'	12.0'		10.0'	3.6'	11	12.7'	14.2'	8.0'	22.0'	1	28.0'		8.0'	11.4'	4	16.7'	108.0'
12.0'	9	14.4'	14.4'		12.0'	4.4'	8	15.3'	17.1'	10.0'	27.5'	1	35.0'		10.0'	14.3'	3	20.9'	135.0'
14.0'	7	16.8'	16.8'		14.0'	5.1'	6	17.8'	19.9'	12.0'	33.0'	0	42.0'		12.0'	17.1'	2	25.0'	162.0'

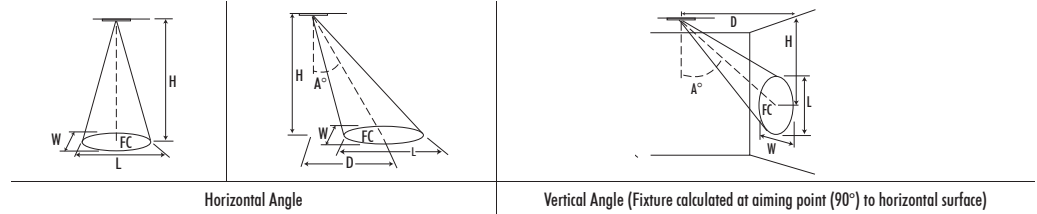
CANDELA TABULATION



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

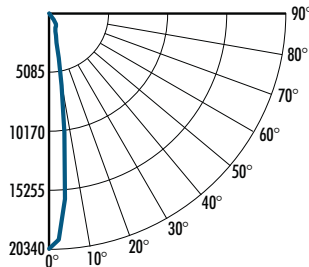


LHAJLDQ425C070UE-DUN-B15-T40/LRAQ472W (3000lm, 15°, 4000K)

System Power:	28.1W
Test Date:	6/4/2018
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

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

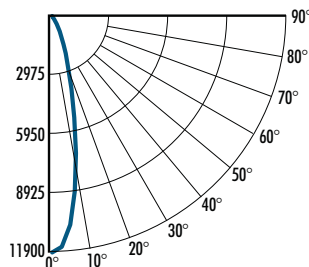


LHAJLDQ425C070UE-DUN-B25-T40/LRAQ472W (3000lm, 25°, 4000K)

System Power:	28.1W	(Tilted at 30°)	28.1W
Test Date:	6/4/2018		6/4/2018
Beam Angle 50%:	23.2°		24.9°
Field Angle 0%:	47.4°		51.6°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	2846.3		2682.3
CBCP:	11900		10031
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'	331	2.5'	2.5'		6.0'	2.2'	274	2.6'	2.8'	4.0'	11.0'	30	4.8'	20.6'	4.0'	5.7'	140	2.9'	5.5'
8.0'	186	3.3'	3.3'		8.0'	2.9'	154	3.5'	3.7'	6.0'	16.5'	13	7.2'	30.9'	6.0'	8.6'	62	4.3'	8.2'
14.0'	61	5.7'	5.7'		14.0'	5.1'	50	6.1'	6.5'	8.0'	22.0'	7	9.6'	41.2'	8.0'	11.4'	35	5.7'	10.9'
16.0'	46	6.6'	6.6'		16.0'	5.8'	39	7.0'	7.5'	10.0'	27.5'	5	12.0'	51.5'	10.0'	14.3'	22	7.2'	13.7'
18.0'	37	7.4'	7.4'		18.0'	6.6'	30	7.9'	8.4'	12.0'	33.0'	3	14.4'	61.8'	12.0'	17.1'	16	8.6'	16.4'

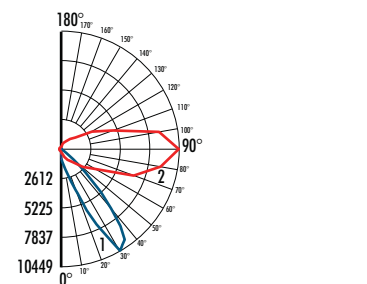
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

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

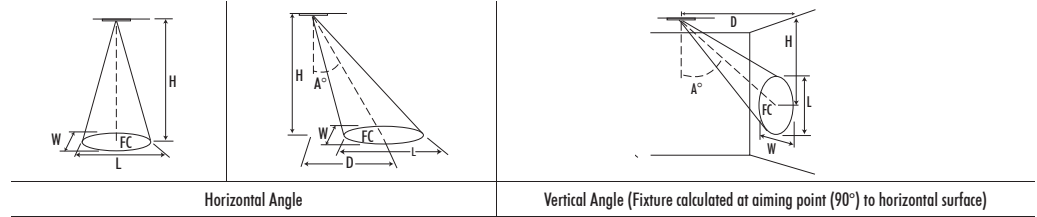
CANDELA TABULATION (Tilted at 30°)



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



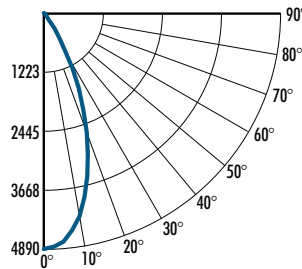
LHAJLDQ425C070UE-DUN-B45-T40/LRAQ472W (3000lm, 45°, 4000K)

System Power:	28.1W	(Tilted at 30°)	28.1W
Test Date:	5/14/2018		5/14/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI:	80		80
Lumens Delivered:	2451.3		2403.4
CBCP:	4890		4533
Power Factor:	>0.90		>0.90

MULTIPLIERS	
Lumen	CCT
5000lm : 2.09	4000K : 1.00
4500lm : 1.83	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 1.04	
2000lm : 0.78	CRI
1500lm : 0.58	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'	68	3.7'	3.7'		6.0'	2.2'	57	3.9'	4.2'	4.0'	11.0'	6	7.2'	71.0'	4.0'	5.7'	29	4.3'	9.2'
8.0'	38	4.9'	4.9'		8.0'	2.9'	32	5.2'	5.6'	6.0'	16.5'	3	10.7'	106.5'	6.0'	8.6'	13	6.4'	13.8'
14.0'	13	8.6'	8.6'		14.0'	5.1'	10	9.1'	9.8'	8.0'	22.0'	2	14.3'	142.0'	8.0'	11.4'	7	8.5'	18.4'
16.0'	10	9.8'	9.8'		16.0'	5.8'	8	10.4'	11.2'	10.0'	27.5'	1	17.9'	177.5'	10.0'	14.3'	5	10.7'	23.0'
18.0'	8	11.0'	11.0'		18.0'	6.6'	6	11.7'	12.6'	12.0'	33.0'	1	21.5'	213.0'	12.0'	17.1'	3	12.8'	27.6'

CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

Lumen
5000lm : 2.20
4500lm : 1.92
3500lm : 1.20
3000lm : 1.00
2500lm : 1.10
2000lm : 0.82
1500lm : 0.61

CANDELA TABULATION (Tilted at 30°)

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

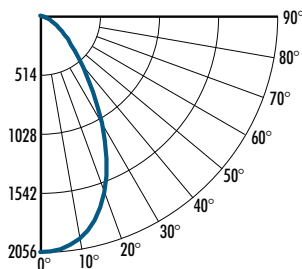
LHAJLDQ425C070UE-DUN-B60-T40/LRAQ472W (3000lm, 60°, 4000K)

System Power:	28.1W
Test Date:	6/22/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI:	80
Lumens Delivered:	2547.6
CBCP:	2056
Power Factor:	> 0.9

MULTIPLIERS	
Lumen	CCT
5000lm : 2.33	4000K : 1.00
4500lm : 2.03	3500K : 0.93
3500lm : 1.20	3000K : 0.93
3000lm : 1.00	2700K : 0.87
2500lm : 0.95	
2000lm : 0.87	CRI
1500lm : 0.65	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'	57	7.2'	7.2'		6.0'	2.2'	47	7.6'	8.5'	4.0'	11.0'	5	14.0'		4.0'	5.7'	24	8.3'	53.3'
8.0'	32	9.6'	9.6'		8.0'	2.9'	27	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'	17	12.7'	14.2'	8.0'	22.0'	1	27.9'		8.0'	11.4'	6	16.7'	106.7'
12.0'	14	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'	10	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'

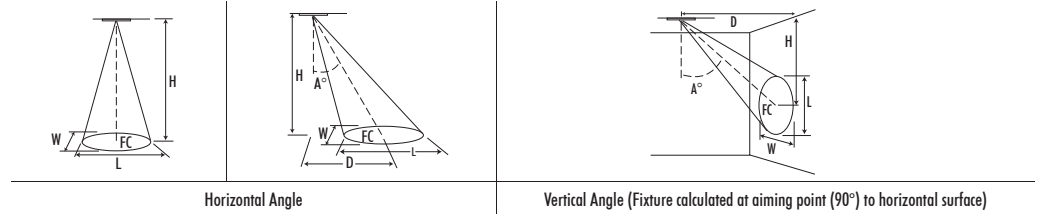
CANDELA TABULATION



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



LHAJLDQ450C140UE-DUN-B15-T40/LRAQ472W (5000lm, 15°, 4000K)

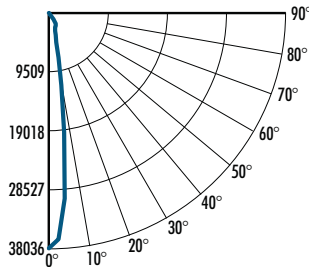
System Power:	2/28/1900
Test Date:	6/5/2018
Beam Angle 50%:	15.5°
Field Angle 0%:	34.9°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6465.5
CBCP:	38036
Power Factor:	> 0.9

MULTIPLIERS

Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.76	3000K : 0.93
3000lm : 0.70	2700K : 0.87
2500lm : 0.65	
2000lm : 0.49	CRI
1500lm : 0.37	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
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



LHAJLDQ450C140UE-DUN-B25-T40/LRAQ472W (5000lm, 25°, 4000K)

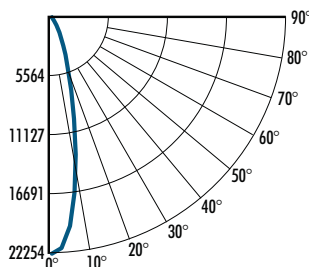
System Power:	60.0W	(Tilted at 30°)	60.0W
Test Date:	6/5/2018		6/5/2018
Beam Angle 50%:	23.2°		24.9°
Field Angle 0%:	47.4°		51.6°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	5322.4		5337.7
CBCP:	22254		19962
Power Factor:	> 0.9		> 0.9

MULTIPLIERS

Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.64	3000K : 0.93
3000lm : 0.53	2700K : 0.87
2500lm : 0.50	
2000lm : 0.37	CRI
1500lm : 0.28	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
8.0'	348	3.3'	3.3'		8.0'	2.9'	289	3.5'	3.7'	4.0'	11.0'	56	4.8'	20.6'	4.0'	5.7'	262	2.9'	5.5'
10.0'	223	4.1'	4.1'		10.0'	3.6'	185	4.4'	4.7'	6.0'	16.5'	25	7.2'	30.9'	6.0'	8.6'	117	4.3'	8.2'
20.0'	56	8.2'	8.2'		20.0'	7.3'	46	8.7'	9.4'	8.0'	22.0'	14	9.6'	41.2'	8.0'	11.4'	66	5.7'	10.9'
25.0'	36	10.3'	10.3'		25.0'	9.1'	30	10.9'	11.7'	10.0'	27.5'	9	12.0'	51.5'	10.0'	14.3'	42	7.2'	13.7'
30.0'	25	12.3'	12.3'		30.0'	10.9'	21	13.1'	14.0'	12.0'	33.0'	6	14.4'	61.8'	12.0'	17.1'	29	8.6'	16.4'

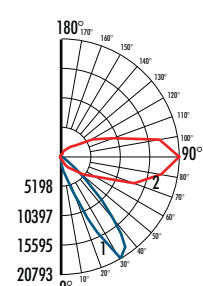
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

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 30°)

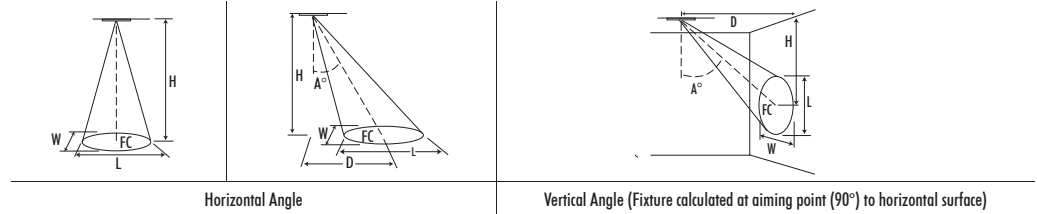


1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

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



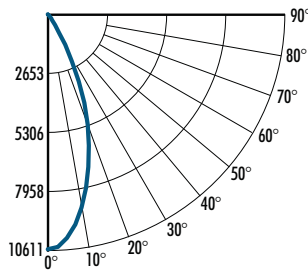
LHAJLDQ450C140UE-DUN-B45-T40/LRAQ472W (5000lm, 45°, 4000K)

System Power:	60.0W	(Tilted at 30°)	60.0W
Test Date:	6/18/2018		6/18/2018
Beam Angle 50%:	36.2°		36.2°
Field Angle 0%:	65.3°		65.3°
Color Temp. (CCT):	4000K		4000K
CRI :	80		80
Lumens Delivered:	5319.3		5336.6
CBCP:	10611		10063
Power Factor:	>0.90		>0.90

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.88	3500K : 0.93
3500lm : 0.57	3000K : 0.93
3000lm : 0.48	2700K : 0.87
2500lm : 0.50	
2000lm : 0.37	CRI
1500lm : 0.28	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
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'

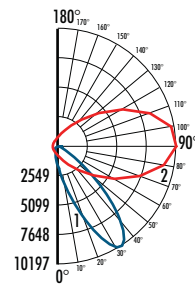
CANDELA TABULATION



MULTIPLIER (Tilted at 30°)

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 30°)



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

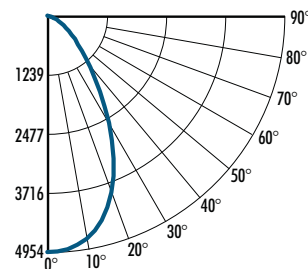
LHAJLDQ450C140UE-DUN-B60-T40/LRAQ472W (5000lm, 60°, 4000K)

System Power:	60.0W
Test Date:	6/22/2018
Beam Angle 50%:	61.7°
Field Angle 0%:	114.3°
Color Temp. (CCT):	4000K
CRI :	80
Lumens Delivered:	6139.8
CBCP:	4954
Power Factor:	> 0.9

MULTIPLIERS	
Lumen	CCT
5000lm : 1.00	4000K : 1.00
4500lm : 0.87	3500K : 0.93
3500lm : 0.52	3000K : 0.93
3000lm : 0.43	2700K : 0.87
2500lm : 0.41	
2000lm : 0.37	CRI
1500lm : 0.28	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'	138	7.2'	7.2'		6.0'	2.2'	114	7.6'	8.5'	4.0'	11.0'	12	14.0'		4.0'	5.7'	58	8.3'	53.3'
8.0'	77	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'	6	25.0'	160.0'

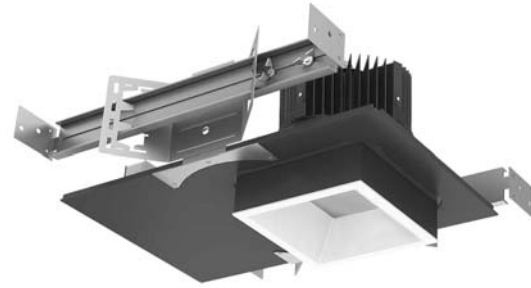
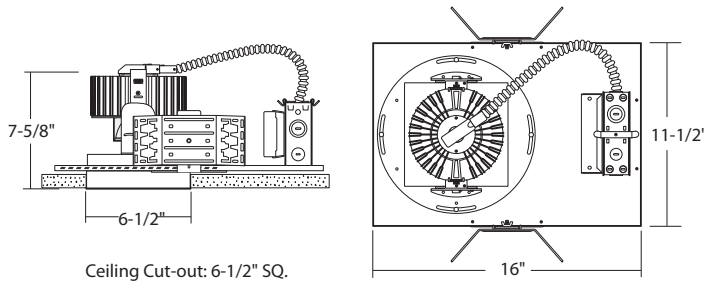
CANDELA TABULATION



LHAJLDQ6 - 6" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, SQUARE, 1500LM - 10,000LM

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



LHAJLDQ6



ORDERING – Example: LHAJLDQ620C050UE-DUN-B45-TWD-FS/LRAQ621S

LHAJLDQ6

Fixture	Lumen	Dimming	Beam Spread	Color Temperature	Frame Options	Trim
Downlight	LHAJLDQ6					
Lumens (Nominal Delivered)		Dimming ²	Beam Spread	Frame Options		
1500lm (11W)	15C035	Non-Dimming	25° Narrow Flood	-B25	None	Blank
2000lm (19W)	20C050	Remote Driver	45° Flood	-B45	Generator Transfer Device	-GTD
2500lm (28W)	25C070	UniDim™ 0-10V, ELV, Triac Dimming (5%)	60° Wide Flood	-B60	Single Fuse	-FS
3000lm (44W)	35C105	Wireless Enocean Adapter (10%)	90° Very Wide Flood	-B90	Remote Emergency Backup (12W)	-EM
4000lm (60W)	50C140¹	DMX Dimming (0%)	Color Temperature		Remote Emergency Inverter (up to 28W)	-EMAC^{6,7}
5000lm (41W)	45C105	0-10V Dimming (1%)	2700K, 80 CRI	-T27	C-Channel Hanger Bar Set	C260
6000lm (51W)	60C085	347V 0-10V Dimming (5%)	2700K, 90 CRI	-T27-C90	Adjustable C-Channel Hanger Bar Set	C260-J
7000lm (64W)	55C105	120V 2-Wire Incandescent (1%)	2700K, 97 CRI	-T27-C97³	Trim (Open)	
8000lm (72W)	70C125¹	Lutron Hilume/ Ecoystem Dimming (1%)	3000K, 80 CRI	-T30	All White	LRAQ621W
10,000lm (116W)	120C200¹		3000K, 90 CRI	-T30-C90	All Black	LRAQ621B
			3000K, 97 CRI	-T30-C97³	All Satin Haze	LRAQ621S
			3500K, 80 CRI	-T35	Satin Haze/White	LRAQ621SW
			4000K, 80 CRI	-T40	Trim (Lensed)	
			Warm dimming 1850K-3000K	-TWD⁴	All White	LRAQ602W
			Tunable White 2700K-6500K	-TTW⁵	All Black	LRAQ602B
					All Satin Haze	LRAQ602S
					Satin Haze/White	LRAQ602SW

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





LHAJLDQ6 - 6" LUMENBLAST

OPEN & LENSED DOWNLIGHTS, SQUARE, 1500LM - 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.

Electrical Components

Dimming - Options include UniDim™ 5%, 0-10V, ELV, Triac Dimming (UE-DUN); Wireless EnOcean Adapter (UE-DEN); DMX Dimming (UE-DMX); 1% 0-10V Dimming (UE-D10P1); 347V 5% 0-10V Dimming (-347V-D10); Lutron Hilume/Ecosystem Dimming (UE-DHL); 1% 2-Wire Incandescent 120V (DINP1).

Trims

Open Trims available in all White (LRAQ61W), all Black (LRAQ621B), all Satin Haze (LRAQ621B), and Satin Haze/White (LRAQ621SW). Lensed Trims available in all White (LRAQ602W), all Black (LRAQ602B), all Satin Haze (LRAQ602B), and Satin Haze/White (LRAQ602SW).

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

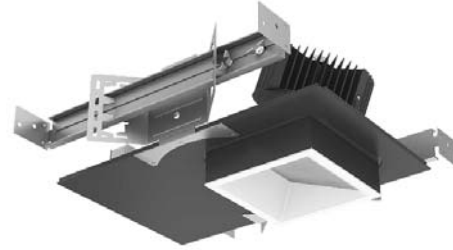
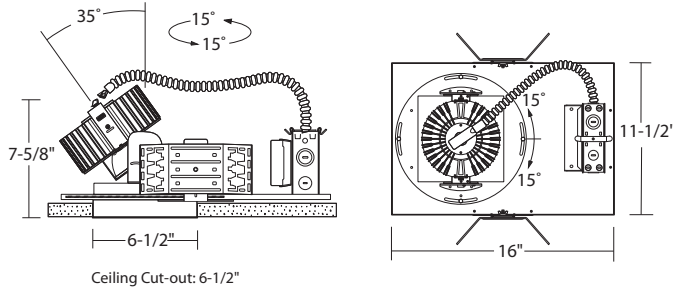
Covered by an industry leading 12 Year Warranty for UniDim™ fixtures and 5 years for other driver options to be free of defects in materials and craftsmanship. Recommended for applications where ambient temperatures do not exceed 35°C. Installations exceeding this temperature will result in reduced LED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



LHAJLDQ6 - 6" LUMENBLAST (ADJ)

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

- Accent with a range of adjustability up to 35°
- Illuminate up to 70' ceilings
- Four trim finishes
- Low glare design
- Highly efficient COB (Chip on Board) LED



LHAJLDQ6
Adjustable



ORDERING – Example: LHAJLDQ620C050UE-DUN-B45-T27-C90-FS/LRAQ672S

LHAJLDQ6

Fixture	Lumens	Dimming	Beam Spread	Color Temperature	Frame Options	/	Trim
Adjustable Downlight	LHAJLDQ6	Non-Dimming Remote Driver UniDim™ 0-10V, ELV, Triac Dimming (5%) Wireless Enocean Adapter (10%) DMX Dimming (0%) 0-10V Dimming (1%) 347V 0-10V Dimming (5%) Lutron Hilume/ Ecoystem Dimming (1%) 120V 2-Wire Incandescent (1%)	Blank -RMT UE-DUN UE-DEN UE-DMX UE-D10P1 -347-D10 UE-DHL¹ DINP¹⁸	25° Narrow Flood 45° Flood 60° Wide Flood 90° Very Wide Flood Color Temperature 2700K, 80 CRI 2700K, 90 CRI 2700K, 97 CRI 3000K, 80 CRI 3000K, 90 CRI 3000K, 97 CRI 3500K, 80 CRI 4000K, 80 CRI Warm dimming 1850K-3000K Tunable White 2700K-6500K	-B25 -B45 -B60 -B90 -T27 -T27-C90³ -T27-C97³ -T30 -T30-C90³ -T30-C97³ -T35 -T40 -TWD⁴ -TTW⁵	None Generator Transfer Device Single Fuse Remote Emergency Backup (12W) Remote Emergency Inverter (up to 28W) C-Channel Hanger Bar Set Adjustable C-Channel Hanger Bar Set Trim (Open Adjustable) All White All Black All Satin Haze Satin Haze/White Trim (Lensed Wall Wash) All White All Black All Satin Haze Satin Haze/White	Blank -GTD -FS -EM -EMAC⁶, 7 C260 C260-J LRAQ672W LRAQ672B LRAQ672S LRAQ672SW LRAQ671W LRAQ671B LRAQ671S LRAQ671SW

¹ 4000lm, 8000lm and 10,000lm not available with Lutron (HiLume) driver.

² All drivers are 120V/277V unless otherwise noted

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





LHAJLDQ6 - 6" LUMENBLAST (ADJ)

ADJUSTABLE ACCENT & LENSED WALL WASH, SQUARE, 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 (LRAQ672W), all Black (LRAQ672B), all Satin Haze (LRAQ672B), and Satin Haze/White (LRAQ672SW). Lensed Wall Wash Trims available in all White (LRAQ671W), all Black (LRAQ671B), all Satin Haze (LRAQ671B), and Satin Haze/White (LRAQ671W).

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.

