Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Advantage Round High Bay (ARB)

Industrial and Sports

IP65 IK08

OVERVIEW	
Lumen Package (lm)	6,000 - 30,000
CCT (K)	41 - 237
Wattage Range (W)	133 - 155
Efficacy Range (LPW)	6 - 8 (2.7 - 3.6)
Weight lbs (kg)	8 (3.6)
Control Options	QCMS35





QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Aluminum die cast

Optical System

- ARB 9 - color temperature selectable in 3000K, 4000K, or 5000K
- ARB 12 - color temperature available discretely in 4000K or 5000K
- Gasketed acrylic optic ensures low glare and IP65 rating
- Optional refractors and refractor attachments available (see accessory table)
- Minimum CRI of 80

Electrical

- ARB 9 - Selectable lumen levels (6L-9L-12L based on 41W, 61W, or 85W
- ARB 12 - Selectable lumen levels (18L-24L-30L) based on 135W, 180W, or 240W
- L70 Calculated Life: 100,000+ hours
- Standard universal voltage (120-277 VAC) input 50/60 Hz
- Standard surge protection rated to 6kV
- Optional external 30W emergency battery back-up available
- Operating temperature range -40 to +40C (-40F to +104F) refer to ambient temperature table for specific units

Installation

- Standard die cast hook with capture screw for mounting
  - Other mounting options include: die cast loop, surface mount (ARB-SMK), or pendant mount (ARB-PMK) - see accessory table for details
- Standard 6ft 3 conductor cord in color to match unit finish (white or black)

Controls

- Controls Options Include:
  - Quick Control center mount PIR sensor (QCMS35)
  - Quick Control sensor may be programmed via dials on the back of the sensor or using a separate IR remote (not included, please see accessory table to purchase)

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.

Listings

- Suitable for wet locations
- IP65 rated product
- Listed to UL 1598 and UL 8750.
- Title 24 Compliant; see local ordinance for qualification information.
- Lens is rated IK06 and housing is rated IK08 per IEC 66262 mechanical impact code.
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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Advantage Round High Bay (ARB)

Type : _____

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: ARB 9 FS1 UNV WHT EM30WWHT

Prefix	Size	Selectibility	Voltage	Color Rendering/Temperature	Finish	EM Options	Options
ARB - Advantage Round Bay Light	**9** - 9" Diameter (Low Bay) **12** - 12" Diameter (High Bay)	**FS1** - Fully Selectable (6L-9L-12L/3000K-4000K-5000K) **LS1** - Lumen Selectable (18L-24L-30L)	**UNV** - Universal Voltage (120V - 277V)	**Standard** - Selectable **840** - 4000K / 80CRI **850** - 5000K / 80CRI	**WHT** - White **BLK** - Black	**EM30WBLK** - 30W EM with black box[1] **EM30WWHT** - 30W EM with white box[1]	Please see Accessory table below for additional choices

Need more information?
Click here for our glossary

ACCESSORY ORDERING INFORMATION

Part Number	Order Number	Description
787805	PMK BLK	Pendant Mount Adapter (Black)
787804	PMK WHT	Pendant Mount Adapter (White)
812345	ARB-SMK	ARB Surface Mount Kit
101170	SCK	Safety Chain Kit
813861	ARB16-ADP-W[1]	Refractor Adaptor White (Required for 9" units if using a refractor)
813860	ARB16-ADP-B[1]	Refractor Adaptor Black (Required for 9" units if using a refractor)
709938C	R16AC[1]	16" Clear Acrylic Refractor
738701	R16AD[1]	16" Diffuse Acrylic Refractor
738702	R16AW[1]	16" White Acrylic Refractor
782280	R16CPA	16" Acrylic Conical Drop Lens and Clamp Band
709942	R16WG	16" Wire Guard
782894	ARB-LP	Mounting Loop
787787	QCMS35	Quick Control Motion Sensor 3.5mm

1 If using a refractor with a 9" unit, the ARB16-ADP adaptor is required
2 Units with refractors are not DLC listed.
3 R16CPA and R16WG are not stocked and will have extended lead times.
4 ARB units come with a hook by default, but a loop may be ordered as an alternative. See product dimensions for details.

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PERFORMANCE

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Delivered Lumens[1]

Size	Lumen Package	Refractor	Attachment	CRI	3000K		4000K		5000K		Wattage
					Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
9"	6L	None	None	80	5,858	142	6,416	155	6,226	150	41
9"	9L			80	8,532	141	9,344	154	9,068	150	61
9"	12L			80	11,314	134	12,391	151	12,025	143	85
12"	18L			80	N/A	N/A	19,544	146	19,771	147	135
12"	24L			80	N/A	N/A	24,536	138	24,819	139	179
12"	30L			80	N/A	N/A	31,567	133	31,933	135	237

Refractor Scaling[2]

Refractor Usage	Lumen Output
No Refractor	100%
R16AC (Clear)	100%
R16AD (Diffuse)	99%
R16AW (White)	98%

Electrical Data - Current Draw AMPS[3]

Size	Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
9"	6L	41	0.35	0.20	0.17	0.15	0.12	0.09
9"	9L	61	0.51	0.29	0.25	0.22	0.17	0.13
9"	12L	85	0.70	0.41	0.35	0.31	0.24	0.18
12"	18L	135	1.11	0.64	0.55	0.48	0.38	0.28
12"	24L	179	1.48	0.85	0.74	0.64	0.51	0.37
12"	30L	237	2.00	1.15	1.00	0.87	0.69	0.50

Recommended Lumen Maintenance - ARB[4]

Size	Ambient Temperature °C	Initial[5]	25K hrs.[5]	50K hrs.[5]	75K hrs.[6]	100K hrs.[6]
9"	0 C	100%	95%	90%	85%	81%
9"	10 C	100%	95%	90%	85%	81%
9"	20 C	100%	95%	90%	85%	81%
9"	25 C	100%	95%	90%	85%	80%
9"	30 C	100%	95%	89%	84%	80%
9"	40 C	100%	94%	89%	83%	78%
9"	50 C	100%	94%	88%	82%	77%
12"	0 C	100%	95%	90%	85%	81%
12"	10 C	100%	95%	90%	84%	80%
12"	20 C	100%	95%	89%	84%	79%
12"	25 C	100%	94%	89%	83%	78%
12"	30 C	100%	94%	88%	82%	77%
12"	40 C	100%	94%	87%	82%	76%
12"	50 C	100%	93%	87%	81%	76%

1 LEDs are frequently updated therefore values are nominal.
2 For lumen output scaling, multiply the CCT-Lumen combination by the scaling factor to get the output for the refractor used.
3 Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
4 Lumen maintenance values at 50C are calculated per TM-21 based on LM-80 data and in-situ testing.
5 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
6 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

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PHOTOMETRICS

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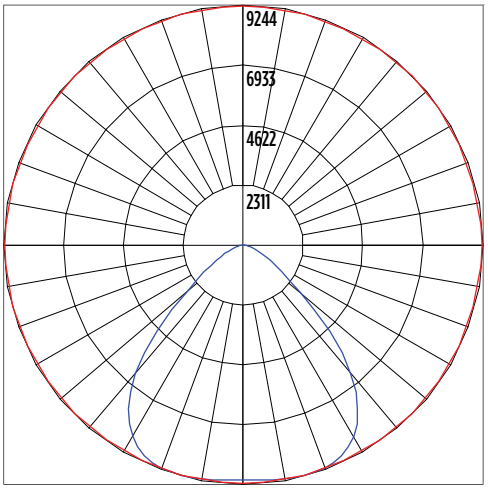
Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See the individual product page on https://www.lsicorp.com/ for detailed photometric data.

ARB-12-LS-UNV-850 (18L - Low Wattage)

Luminaire Data	
Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	19,771
Watts	135
Efficacy	146

Polar Curve

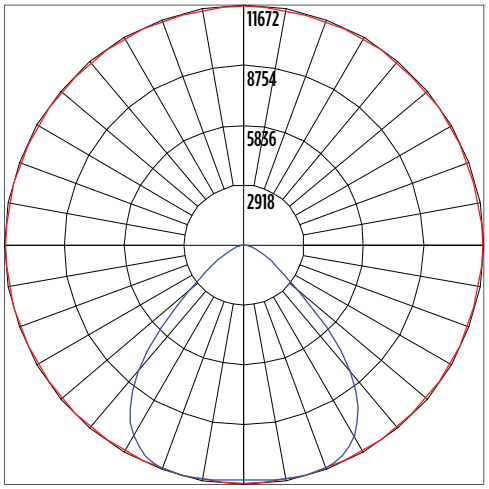


Vertical Plane Horizontal Cone

ARB-12-LS-UNV-850 (24L - Medium Wattage)

Luminaire Data	
Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	24,819
Watts	179
Efficacy	139

Polar Curve

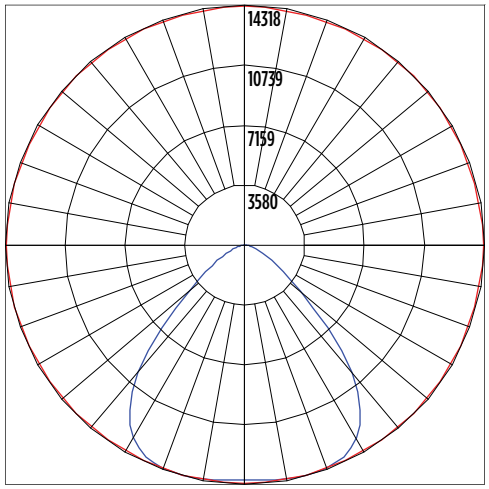


Vertical Plane Horizontal Cone

ARB-12-LS-UNV-850 (30L - High Wattage)

Luminaire Data	
Wide Distribution	
Description	5000 Kelvin, 80 CRI
Delivered Lumens	31,933
Watts	238
Efficacy	135

Polar Curve



Vertical Plane Horizontal Cone

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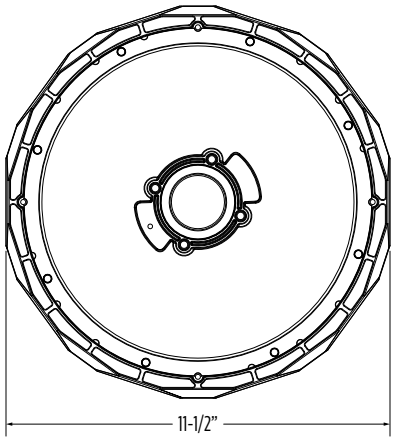
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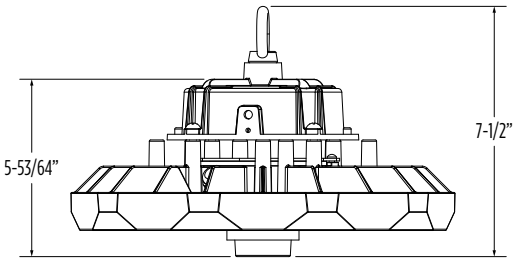
Type : _____

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PRODUCT DIMENSIONS

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Advantage Round High Bay
Black Unit with Hook
(ARB BLK)
Pictured with standard mounting hook



Advantage Round High Bay
White Unit with Loop
(ARB WHT ARB-LP)
Pictured with optional mounting loop

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