


Specifications

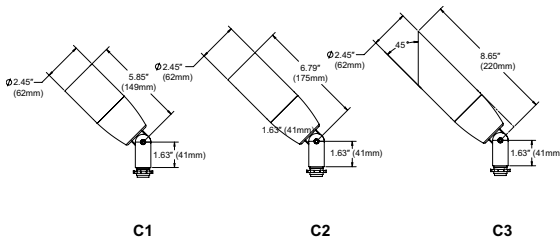
Weight:	1.6 lbs.
H:	5.85" (149mm) w/C1
	6.79" (172mm) w/C2
	8.65" (220mm) w/C3

ASPEN LED

12V/120V LED

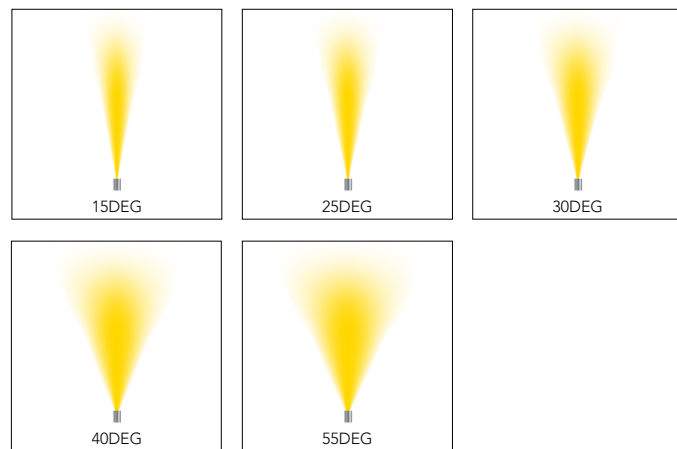
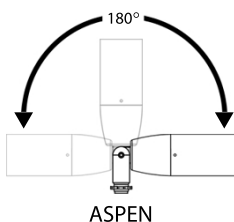
HIGHLIGHTS

- Accent lights are suitable for a variety of mounting applications including ground, wall, tree, sign and architectural accents
- Suitable for wet locations
- Integral driver for 120V
- Dimmable using standard Triac dimmer for 120V and dimmable using standard MLV dimmer and magnetic transformer for 12V
- Tapered-sure lock
- Available in 80CRI and 90CRI
- 1,100lm


DIMENSIONS

LUMEN PACKAGES

	15DEG	20DEG	25DEG	30DEG	35DEG	40DEG	45DEG	50DEG	55DEG
Delivered Lumens	685	623	659	642	674	656	634	639	641
Watts	11	11	11	11	11	11	11	11	11
LPW	62	57	60	58	61	60	58	58	58
Peak Candela	5,056	2,725	2,827	1830	1569	1212	982	742	664

Note: Information based on 4000K @ P1, 80CRI, 120 Volt with C1 cap and FLC lens

STANDARD DISTRIBUTION

AIMING DETAILS


ORDERING INFORMATION
EXAMPLE: ASPEN SS P1 80CRI 30K 12 20DEG WSL KM C1 BL

ASPEN																		
Series*	Material*		Performance Packages*	CRI*	Color Temperature*		Voltage*		Distribution*			Lens*		Mounting*				
ASPEN	A	Aluminum	P1	80CRI	27K		12 ¹	12Vac	15DEG	15°	40DEG	40°	FLC	Flat Clear	KM	Knuckle		
	BR	Brass	P2	90CRI	30K		120 ²	120Vac	20DEG	20°	45DEG	45°	WSL	Watershed	35OR	350° rotational knuckle		
	SS	Stainless Steel	Note: P2 only available with 12volt			35K		Note: 120V only available with P1		25DEG	25°	50DEG	50°					
						40K				30DEG	30°	55DEG	55°					
					50K	Note: 35k and 50K only available with 80CRI			35DEG	35°								
Mounting Accessories <i>Optional</i>				Options ⁴ <i>Optional</i>				External Caps*			Finish*							
Independent Mounting				Stems				Internal Louver			All Material			Brass Only				
JBA	Aluminum J-Box			S3 ³	3" Stem		IHL Honeycomb Louver			C1	Short Flush		BL	Black Textured		BRZ	Satin Bronze w/ Satin Clear	
JBB	Bronze J-Box Architectural			S6 ³	6" Stem		Internal Accessory			C2	Recessed Lens		BRS	Bronze Smooth		NAT	Natural Brass w/ Satin Clear	
ARJB	J-Box, Aluminum			S__ ³	12" - 24" stems, available in 6" increments		L1 Prismatic Lens			C3	45° Angle Cut		BRT	Bronze Textured		POL	Polished Brass w/ Gloss Clear	
CN4	4" rectangular canopy			S3BR ⁴	3" Stem Brass		L2 Linear Spread Lens						DBL	Black Smooth		Stainless Only		
CN4BR	4" rectangular canopy, brass			S6BR ⁴	6" Stem Brass		L3 Softening Lens						DDB	Designer Bronze		BRSS	Brushed Stainless Steel	
CN5	5" round canopy			S__BR ⁴	12" - 24" stems, available in 6" increments		Internal Filters						DNA	Natural Aluminum		NSS	Natural Stainless Steel	
CN5BR	5" round canopy, brass						FA Amber						NBS ⁷	Natural Bronze Smooth		PSS	Polished Stainless Steel	
WMC	Wall Mount Cover						FG Green						STG	Steel Gray		Note: RALTBDD for pricing only, replace with applicable RAL call out when ready to order. See the RALBROCHURE for available options. It is recommended that Hydrel products only use textured paint.		
WMSA	Wall Mount with Splice Access						FGD Green Dichroic						VET	Verde Textured				
STK ⁸	Mounting Stake						FLB Light Blue						WH	White Textured		Note: Zinc Undercoat provides corrosion protection for Marine Environment and Natatorium Construction		
TRA ⁸	Tree Mounted J-Box, Aluminum						FM Mercury Vapor						WHS	White Smooth				
TRB ⁸	Tree Mounted J-Box, Bronze						FMB Medium Blue						CF	Custom Finish				
_TRAS ⁸	Tree Mounted J-Box with Aluminum mounting strap, available with 1-4 JBoxes per strap						FMBD Medium Blue Dichroic						RALTBDD	RAL Paint Finishes				
_TRBS ⁸	Tree Mounted J-Box with Bronze mounting strap, available with 1-4 JBoxes per strap						FR Red						_Z ⁹	Zinc Undercoat (i.e. BLZ)				
PM60A ⁸	Adjustable Post Mount						FRD Red Dichroic											
PMBR60A ⁸	Adjustable Post Mount - Brass																	
PM60C	Post Mount with Conduit																	
PMBR60C	Post Mount with Conduit - Brass																	
PM60D ⁸	Post Mount with Open Bottom																	
PMBR60D ⁸	Post Mount with Open Bottom - Brass																	
Note: Multi Head (AMHM) mounting accessory is available and can be ordered separately, please see below and spec sheet for options. Consult factory if you require the AMHM to be used with any independent mounting accessories																		
Note: Aluminum or Bronze Stake Mounted J-Box (SBA_ or SBB_) is available in 12" or 18" and can be ordered separately, please see below and spec sheet for options.																		

***Required Fields**
Notes:

- Remote transformer required. Options for [remote transformers](#).
- Integral Driver.
- Aluminum stems only compatible with PM60A, PM60C and PM60D.
- Brass stems only compatible with PMBR60A, PMBR60C and PMBR60D.
- Extended arms compatible with WMC and WMSA.
- Up to 2 options can be specified.
- NBS paint uses specialty pigments to give a natural appearance that may vary by fixture.
- Only available with 12 volt.
- Zinc undercoat for harsh environments

PERFORMANCE DATA

LUMEN OUTPUT

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		27K (2700K, 80CRI)			30K (3000K, 80CRI)			35K (3500K, 80CRI)			40K (4000K, 80CRI)			50K (5000K, 80CRI)		
			°H	°V	°H	°V	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW
P1 12 Volt	8	15DEG	33	33	19	19	5,180	702	88	5,374	728	91	5,471	741	93	5,665	768	96	5,858	794	99
		20DEG	45	45	22	22	2,792	639	80	2,897	663	83	2,949	675	84	3,053	699	87	3,158	722	90
		25DEG	44	44	24	24	2,897	675	84	3,005	700	88	3,060	713	89	3,168	738	92	3,276	764	96
		30DEG	56	56	30	30	1,875	658	82	1,945	682	85	1,980	694	87	2,050	719	90	2,120	744	93
		35DEG	57	56	37	36	1,608	691	86	1,668	717	90	1,698	729	91	1,758	755	94	1,818	781	98
		40DEG	65	64	41	40	1,242	672	84	1,288	697	87	1,311	710	89	1,358	735	92	1,404	760	95
		45DEG	74	73	45	44	1,006	650	81	1,044	674	84	1,063	686	86	1,100	711	89	1,138	735	92
		50DEG	86	85	53	51	760	654	82	788	679	85	802	691	86	831	716	90	859	740	93
P2 12 Volt	12	15DEG	33	33	19	19	7,012	950	79	7,274	986	82	7,405	1,003	84	7,667	1,039	87	7,930	1,074	90
		20DEG	45	45	22	22	3,780	865	72	3,921	897	75	3,992	913	76	4,133	945	79	4,274	978	82
		25DEG	44	44	24	24	3,921	914	76	4,068	948	79	4,141	965	80	4,288	999	83	4,435	1,033	86
		30DEG	56	56	30	30	2,538	890	74	2,632	923	77	2,680	940	78	2,775	973	81	2,870	1,006	84
		35DEG	57	56	37	36	2,176	935	78	2,257	970	81	2,298	987	82	2,379	1,022	85	2,461	1,057	88
		40DEG	65	64	41	40	1,681	909	76	1,744	943	79	1,775	960	80	1,838	994	83	1,901	1,028	86
		45DEG	74	73	45	44	1,362	880	73	1,413	912	76	1,438	929	77	1,489	962	80	1,540	995	83
		50DEG	86	85	53	51	1,029	886	74	1,067	919	77	1,086	935	78	1,125	968	81	1,163	1,002	84
		55DEG	93	93	56	54	921	889	74	956	923	77	973	939	78	1,007	973	81	1,042	1,006	84

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		27K (2700K, 80CRI)			30K (3000K, 80CRI)			35K (3500K, 80CRI)			40K (4000K, 80CRI)			50K (5000K, 80CRI)		
			°H	°V	°H	°V	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW
P1 120 Volt	11	15DEG	33	33	19	19	4,568	619	56	4,710	638	58	4,755	644	59	5,056	685	62	5,078	688	63
		20DEG	45	45	22	22	2,463	563	51	2,539	581	53	2,563	586	53	2,725	623	57	2,737	626	57
		25DEG	44	44	24	24	2,555	595	54	2,634	614	56	2,659	620	56	2,827	659	60	2,840	662	60
		30DEG	56	56	30	30	1,653	580	53	1,704	598	54	1,721	603	55	1,830	642	58	1,838	645	59
		35DEG	57	56	37	36	1,418	609	55	1,461	628	57	1,475	634	58	1,569	674	61	1,576	677	62
		40DEG	65	64	41	40	1,095	592	54	1,129	611	56	1,140	617	56	1,212	656	60	1,217	659	60
		45DEG	74	73	45	44	887	573	52	915	591	54	924	596	54	982	634	58	986	637	58
		50DEG	86	85	53	51	670	577	52	691	595	54	697	601	55	742	639	58	745	641	58
		55DEG	93	93	56	54	600	580	53	619	597	54	625	603	55	664	641	58	667	644	59

CRI SCALING	Multiplier
90CRI	0.83

Note: Information based on ASPEN 12 volt

CRI SCALING	Multiplier
90CRI	0.77

Note: Information based on ASPEN 120 volt

EXTERNAL CAP	Multiplier
C2	0.70
C3	0.965

LED LIFE: L70@> 60,000 hours

OPERATING TEMPERATURE: -20°C through 45°C (120v, Aluminum Material)
 -20°C through 50°C (12v, Aluminum Material)
 -20°C through 30°C (120v and 12v, Stainless Steel and Brass Material)

PHOTOMETRIC DIAGRAMS

To see complete photometric reports or download .ies files for this product, visit www.hydel.com

FEATURES & SPECIFICATIONS

MATERIAL: Body, caps and knuckle machined from 6061-T6 aluminum. BR - machined from 360 brass. SS- machined from 304 stainless steel.

LIGHT SOURCE: Proprietary high output LED's. Units have near constant light output when supplied with 11VAC-14VAC to combat voltage drop. All within 3 MacAdam ellipses.

VOLTAGE: 12 Volt AC, 120 volt AC.

DISTRIBUTION: Available 15DEG, 20DEG, 25DEG, 30DEG, 35DEG, 40DEG, 45DEG, 50DEG, 55DEG

LENS: FLC - Cut from heat strengthened borosilicate glass for superior clarity and strength. WSL - Molded heat strengthened borosilicate glass for superior clarity and strength, where the glass and the top of the door are flush to allow water to shed off the fixture.

MOUNTING: Knuckle is 1/2" NPSM, mounts to 7/8" thru hole. KM option allows to tilt the fixture up to 180°. 350R option allows to tilt the fixture up to 180° and rotate up to 350°.

POWER SUPPLY: Remote 12VAC transformer, purchased separately. For 120VAC driver is integral. 12VAC dimmable using a remote magnetic transformer. 120V AC dimmable using a standard Triac dimming switch/systems.

FINISH: Super durable polyester TGIC powder coat finish (standard). Optional zinc undercoat for harsh environments.

FEATURES: Tapered "Sure Lock" knuckle seat for infinite aiming and an unparalleled locking ability. Any combination of up to 2 lens accessories/color filter/shielding can be specified in any cap style and are held securely by a removable stainless steel clip ring.

LISTING: cCSAus, Wet location. Laboratory tests conducted by CSA to UL Standards UL-1598, UL-8750 and UL-1838. IP66 Rated.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY: 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Consult factory for details

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

STANDARD ARCHITECTURAL COLORS

All Material Finishes



BL - Black Textured



BRS - Bronze Smooth



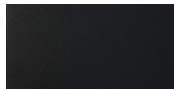
BRT - Bronze Textured



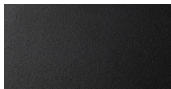
BZ - Brown Textured



DBL - Designer Black Smooth



DBLB - Designer Black Textured



DDB - Designer Bronze



DDBT - Design Bronze Textured



DNA - Natural Aluminum Smooth



DWH - Designer White



GN - Green



GR - Gray



NBS - Natural Bronze Smooth



SND - Sand



STG - Steel Grey



TVG - Terra Verde Green



VET - Verde Textured



WH - White Textured



WHS - White Smooth

RAL Paint Finishes are also available. See the [RALBROCHURE](#) for available options. It is recommended that Hydrel products only use textured paint

Aluminum fixture surfaces are "four step pretreated" prior to being painted with a long lasting TGIC polyester powder coat.

Custom finishes are available. Textures of custom finishes are dependent on the finish material specified. Please consult factory.

Note: These colors were scanned from color chip samples. Some colors, however, may vary slightly from actual appearance due to printing variations and limitations. Please contact factory for color chip samples.

Brass Material Finishes



BRZ - Satin Bronze
w/ Satin Clear



NAT - Natural Brass
w/ Satin Clear



POS - Polished Brass
w/ Satin Clear

Stainless Steel Material Finishes



BRSS - Brushed Stainless Steel
w/ Clear Coat



NSS - Natural Stainless Steel
w/ Clear Coat



PSS - Polished Stainless Steel
w/ Clear Coat

REMOTE TRANSFORMERS

Transformers may be loaded to 100% capacity, however the recommended load range for optimal efficiency is 40-80%.

Non-Isolated Transformers: Suitable for use with landscape type lighting

Isolated Transformers: Suitable for use with underwater and landscape type lighting




		Part #
	<ul style="list-style-type: none"> • 10 and 20 watts, 120V to 12VAC or 277V to 12VAC magnetic • Must be mounted in a listed weatherproof enclosure • Dimmable by using a magnetic low voltage dimmer switch • Non-Isolated • Suitable for LED 	Examples: TM10 120 TM10 277 TM20 120 TM20 277 See spec sheet for more options
	<ul style="list-style-type: none"> • 300 watts, 120V or 277V to 12VAC magnetic • Rated for outdoor surface mount, minimum of 12" above finished grade with the wire connection terminals facing down • Multi-tap secondary output allowing 12-15 Volt • Internal on/off switch-circuit breaker • Five "knock-outs" in the bottom cover plate (two 1/2", two 3/4" and one 1-1/2") • Dimmable by using a magnetic low voltage dimmer switch • Non-Isolated • Suitable for LED 	Example: TM300 120 See spec sheet for more options
	<ul style="list-style-type: none"> • 15 watts, 120V to 12VAC electronic • Maximum remote distance is 10' • Non-Isolated Suitable for LED 	Example: TE15 120 See spec sheet for more options
	<ul style="list-style-type: none"> • 60 and 75 watts, 120V to 12VAC electronic • Maximum remote distance is 10' • Non-Isolated Suitable for LED 	Examples: TE60 120 TE75 120 See spec sheet for more options
	<ul style="list-style-type: none"> • 150 watts, 120V or 277V primary to 12VAC secondary magnetic. • Rated for outdoor surface mount, minimum of 12" above finished grade with wire connection terminals facing down • Dimmable by using a magnetic low voltage dimmer switch • Non-Isolated • Suitable for LED 	Example: TM150 120 TM150 277 See spec sheet for more options

REMOTE TRANSFORMERS

Transformers may be loaded to 100% capacity, however the recommended load range for optimal efficiency is 40-80%.

Non-Isolated Transformers: Suitable for use with landscape type lighting

Isolated Transformers: Suitable for use with underwater and landscape type lighting

		Part #
	<ul style="list-style-type: none"> • Stepdown transformers are two winding isolated type • Two separate wiring compartments isolate primary and secondary leads • Housed in weatherproof enclosure • Meets requirements of article 680 N.E.C. Listed by U.L • 100 watt 120/12,13,14 ac (T1901) • 300 watt 120/12,13,14 ac (T1903) • Dimmable by using magnetic low voltage dimmer switch • Isolated - can be used near underwater application • Suitable for LED 	<p>Examples: T1901 (100watts) T1903 (300watts) See spec sheet for more options</p>
	<ul style="list-style-type: none"> • Ground power post mount • 15 watts, 120V to 12V AC, electronic • Non-Isolated, suitable for LED • Non-Dimmable • Stem length available from 3" to 36" 	<p>Examples: PM60B ET15 120 S3 BL PMBR60B ET15 120 S6 POL See spec sheet for more options</p>
	<ul style="list-style-type: none"> • Wall mount power box • 15 watts, 120V to 12V AC, electronic • 20 watts, 120V to 12V AC, magnetic • ET15 - Electronic is non-dimmable • M20 - Magnetic is dimmable using low voltage magnetic dimmer switch • Non-isolated, suitable for LED 	<p>Examples: WP2J ET15 120 12C BL WP2S M50 120 34C BRS See spec sheet for more options</p>


ACCENT MOUNTING ACCESSORIES

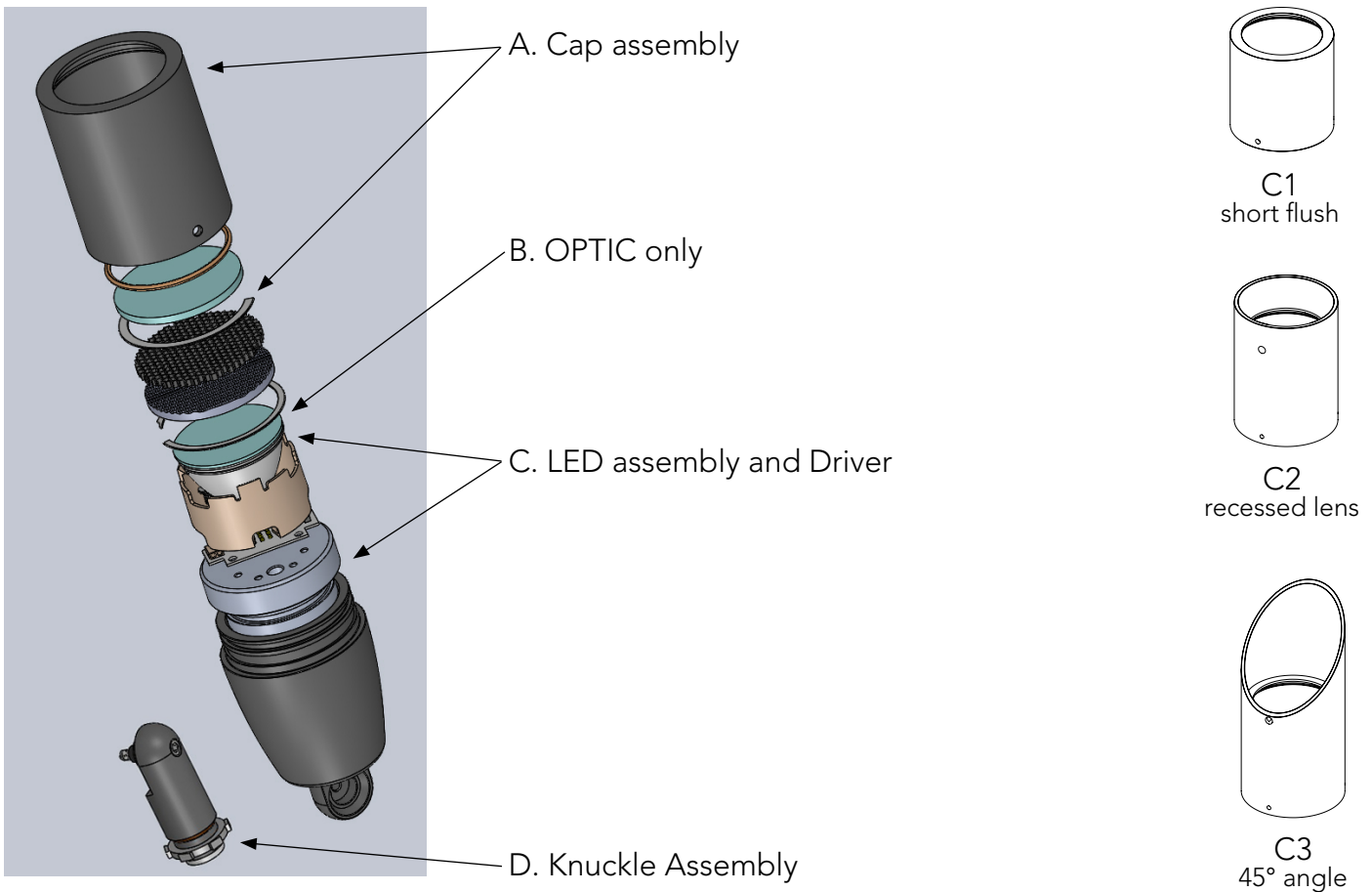
		Part #
	<ul style="list-style-type: none"> • AMHM Architectural Multi Head Mount • Directional multi-head mounting accessory for spot lighting multiple targets from one vantage point • Equipped with inner cavity that allows for quick wire connections • Infinite maneuverability and positioning with taper lock technology so contractors can easily set it and forget it • Available in Knuckle or Yoke mount • Mount two, three or four fixtures • Multi Head mount is compatible with other mounting accessories such as ADPMR/ADPMS, AMPC, APAR/APAS, AWSC, CAJB, CPM, CPMSA, CSM and CWMAE/CWMAT 	Example: AMHM2 KM 78C BL See spec sheet for more options
	<ul style="list-style-type: none"> • JBA/JBB Junction box for direct fixture mounting • Available in cast bronze or aluminum • Used where splicing is required for single or multiple fixtures Drilled and tapped to specified requirements • May be Ground or wall mounted 	Examples: JBA 34E 34F 78G BL JBB 12A 12C 78G See spec sheet for more options
	<ul style="list-style-type: none"> • ARJB Architectural Junction Box • Available in cast aluminum • For direct mounting of a single lighting fixture • Designed for architectural and landscape application Recommended for mounting on a rigid metallic conduit 	Example: ARJB 12B 78C BL See spec sheet for more options
	<ul style="list-style-type: none"> • CN4 wall plate canopy • Available in aluminum or brass • Shape rectangular to mount over a standard switch box • Thru hole sized for standard 1/2 pipe thread • Fixtures secured via locking nut (for thru hole) or threaded knuckle 	Example: CN4 78C BL See spec sheet for more options
	<ul style="list-style-type: none"> • CN5 wall mount canopy • Available in Aluminum, Brass or stainless steel • Shape round to mount over a standard 4" round or octagonal box. Thru hole sized for standard 1/2 pipe thread • Fixture secured via locking nut (for thru hole) or threaded knuckle 	Example: CN5 78C BL See spec sheet for more options
	<ul style="list-style-type: none"> • WMC wall mount cover • Available in cast aluminum • Wall mount cover or mounting fixture over wall box (by others) 	Examples: WMC 78C BL See spec sheet for more options
	<ul style="list-style-type: none"> • WMSA wall mount splice access • Available in cast aluminum • Wall mount with splice access plate for mounting a variety of fixtures • Integral splice access compartment for easy fixture connections • To be mounted over a recessed wall box 	Example: WMSA 78C BL See spec sheet for more options

ACCENT MOUNTING ACCESSORIES

		Part #
	<ul style="list-style-type: none"> • TRA/TRB tree mount junction box • Available in cast aluminum or bronze Includes a splice box with a mounting plate • Placement of small accent fixtures around or on a structure, like a tree 	Examples: TRA 12B 78C BL TRB 12B 78C See spec sheet for more options
	<ul style="list-style-type: none"> • TRAS/TRBS tree mount junction box with strap. • Available in cast aluminum or bronze • Includes one or more splice boxes with a polypropylene strap • Placement of small accent fixtures around the trunk or branch of a tree 	Examples: 2TRAS 12B 78C DDB 1TRBS 12B 78C See spec sheet for more options
	<ul style="list-style-type: none"> • STK ground mounting stake • Low voltage portable installations only • UV Stable plastic 	Example: STK See spec sheet for more options
	<ul style="list-style-type: none"> • Post Mounts PM60A, PM60C and PM60D Ground Mounting posts • Available in aluminum or brass • Suitable for fixtures with 1/2" knuckles • Fixtures are secured with a locking nut • PM60A and PM60D are used only with low volt fixtures • PM60C can be used with low or line voltage fixtures • Optional stems are offered in lengths from 3" to 36" 	Examples: PM60A S3 BL PMBR60C S12BR BRS PM60D BL See spec sheet for more options
	<ul style="list-style-type: none"> • EA-Extended Arms • Available in lengths 12", 24" and 36" • Available in angles 45° and 90° • Material available in aluminum • Extended arms are compatible with WMC and WMSA wall mounts 	Examples: WMC EA12 12C BL WMSA EA4512 12C BRS
	<ul style="list-style-type: none"> • Tree Ring TRAR 2FX, TRAR 3FX, TRAR 4XF, TRAR 5FX, TRAR 6FX • Stainless Steel Ring and Hardware • Can accommodate trees between 10" to 15" in diameter • Available in 2, 3, 4, 5 and 6 fixture configurations 	Examples: TRAR 5FX 12S 12C BL TRAR 3FX 12S 12C BRS Note: TRAR is sold separately. See spec sheets for options

ACCENT MOUNTING ACCESSORIES



		Part #
	<ul style="list-style-type: none"> • SBA or SBB Stake mounted J-box • Available in aluminum or bronze material • Available in 12" and 18" • Used for a portable convenient placement of accent fixtures to accommodate 12v or 120v 1/2" knuckle fixture 	Examples: SBA12 78C CSL6P BL SBB18 78C CSL15P BZ See spec sheet for more options

ASPEN SPARE PARTS LIST


Part Number	Description
A. Cap Assembly CAPAASPEN C1 XX'XXX'XXX' ³ CAPAASPEN C2 XX'XXX'XXX' ³ CAPAASPEN C3 XX'XXX'XXX' ³ 1. Available material finishes: A, BR, SS 2. Available lens: FLC, WSL 3. Add paint finish	Cap Assembly will include the cap, lens and o-ring
B. OPTIC only OPTASPEN XX' ¹ 1. Available distributions: 15DEG, 20DEG, 25DEG, 30DEG, 35DEG, 40DEG, 45DEG, 50DEG, 55DEG	One piece snap on optic only
C. LED Assembly+ Driver module LEDAASPEN XX'XXX'XXX'XXX' ³ XXX' ³ 1. Available Performance Packages: P1, P2 2. Available CRI: 80CRI, 90CRI 3. Available colors: 27K, 30K, 35K, 40K, 50K 4. Available voltage: 12, 120 5. Available distributions: 15DEG, 20DEG, 25DEG, 30DEG, 35DEG, 40DEG, 45DEG, 50DEG, 55DEG	Includes LED array, optics, encapsulated driver (120v)
D. KAASPEN XX'XXX'XXX'³ 1. Available material finishes: A, BR, SS 2. Available knuckle: KM, 350R 3. Add paint finish	Knuckle Assembly

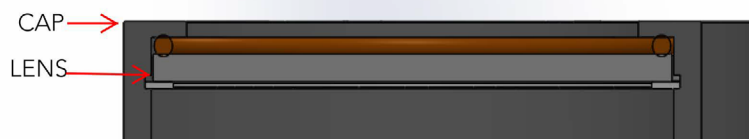
ASPEN INTERNAL ACCESSORIES

Internal Accessories can be ordered separate and are field replaceable

	<p>INTERNAL HONEYCOMB LOUVER</p> <ul style="list-style-type: none"> • Hexagonal cell louver with 45° cut-off • includes retaining ring 	<p>Example: IHLASPEN</p>
	<p>INTERNAL ACCESSORY LENSES</p> <ul style="list-style-type: none"> • L1 Prismatic Lens • L2 Linear Spread Lens • L3 Softening Lens • includes retaining ring 	<p>Examples: LAASPEN L1 LAASPEN L2 LAASPEN L3</p>
	<p>INTERNAL COLORED FILTERS</p> <ul style="list-style-type: none"> • FA Amber • FG Green • FGD Green Dichroic • FLB Light Blue • FM Mercury Vapor • FMB Medium Blue • FMBD Medium Blue Dichroic • FR Red • FRD Red Dichroic • includes retaining ring 	<p>Examples: CFASPEN FA CFASPEN FG CFASPEN FGD CFASPEN FLB CFASPEN FM CFASPEN FMB CFASPEN FMBD CFASPEN FR CFASPEN FRD</p>

The difference between the FLC and WSL lens

FLC lens is recessed below the cap



WSL lens is flush with cap to allow water to shed off the lens

