



PLUME 10 DC TW

SPOT LIGHT SPT-PLUME 10 DC TW





Plume 10 DC TW is an exterior compact spotlight designed for accent and flood lighting applications. Utilize the luminaire to highlight, graze and beautify facades, bridges and magnitude of landscapes. Powered from external SELV source and available cable weatherproof extensions and splitters provide ample layout possibilities. Control via on-board Casambi, makes wireless control a total breeze.

POWER (DC)

10W
9.9W



BLK · Black Anodised

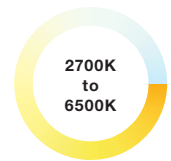


BRS · Brass Anodised



BNA · Brushed Natural Anodised

TUNABLE WHITE



OPTICS



07D · 7° Beam



10D · 10° Beam



15D · 15° Beam



30D · 30° Beam



56D · 56° Beam



O3511D · Oval 35° x 11° Beam



INSTALLATION MANUAL

Scan the QR Code or visit www.coolon.com.au/dl/arch-spt-plume-10-dc-tw-manual

TUNABLE WHITE

Reproduce and maintain perfect white light ranging from 2700 to 6500K. Colour temperature (CCT) and intensity control made simple.



CASAMBI

Casambi Bluetooth offers wireless control of the Plume TW. Do away with sophisticated control systems by utilizing a smartphone and Casambi application. Simply set up and control the luminaire as desired.

L70

LONG OPERATING LIFE

Coolon products use the world's most reputable LED manufacturers and the latest available standards to adequately report lumen maintenance. We strive to drive LEDs under their nominal current and use state-of-the-art heat dissipation methods, leading to durable electronics.



VARIOUS CCT & COLOUR BINNING CONSISTENCY

All products are offered in various colour temperatures, and manufactured using tighter bins, ensuring excellent consistency and uniformity.

5 YEARS

5 YEARS WARRANTY

Coolon luminaires are covered by a solid comprehensive manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



PROUDLY MADE IN AUSTRALIA

Our products are designed and manufactured in Australia. Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

TECHNICAL SPECIFICATIONS

Product Code	SPT- PLUME 10 DC TW
Lumen Output (Neutral White)	594 lm / O3511D SC
Nominal Power	10W
Description	Plume 10 DC TW Spotlight
Body	Aluminium Alloy Body
Finish	Brushed Natural / Brass / Black Anodised
Cover	Tempered Glass
Endcap	Polycarbonate
LEDs per Luminaire	1 unit / 4 in 1 TW LED (WW: 2500K to 2700K. CW: 6000K to 7000K)
Input Voltage Range	23 – 48VDC
Recommended Supply Voltage	48VDC
Max. Input Power	12W
Colour Rendering Index (CRI)	80+
Dimming / Control	Casambi
External Heatsink Required	No
Ambient Operating Temperature	Ta -10°C to 50°C
Reported Lumen Maintenance	MN-S5060
TM21-11 (@ Ts = 90°C, If = 1500mA)	L90 (6K) = 13,000 hours L70 (6K) > 33,000 hours Plume 10 DC TW max. operating values (@ Ts = 85°C, If = 1000mA)
Max. # of Units per Run	Up to 35 Units @ 48VDC Up to 30 Units @ 42VDC Up to 25 Units @ 30VDC Up to 10 Units @ 24VDC (Ensure distances and loads allow the for operating voltage above 23V)
Approvals	CE, CB, RCM
IP Rating	IP66 (Standard) - Not including Wiring / Connector
IK Rating	IK07 (Standard) - Not including Wiring / Connector
Weight	635gr (with BJMB · Ball Joint Mounting Bracket)



The Bluetooth radio signal from the devices can be limited by its surroundings (In some situations the range of a Bluetooth signal can be dramatically reduced if a device is installed in a metal enclosure, or if thick stone walls or other possible constructional restrictions are affecting the signal strength coming from the device).

POWER & LUMEN OUTPUT

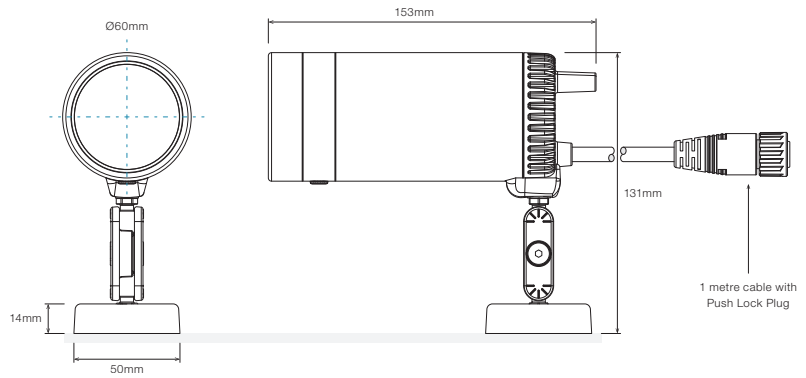
PLUME 10 TW SC	07D	10D	15D	30D	56D	O3511D
WW (~2700K)	372 lm	358 lm	336 lm	283 lm	295 lm	480 lm
NWT (~4000K)	439 lm	433 lm	419 lm	354 lm	361 lm	594 lm
CWT (~6500K)	379 lm	383 lm	365 lm	304 lm	323 lm	515 lm

PLUME 10 TW HM	07D	10D	15D	30D	56D	O3511D
WW (~2700K)	228 lm	234 lm	238 lm	183 lm	189 lm	317 lm
NWT (~4000K)	395 lm	284 lm	292 lm	224 lm	222 lm	373 lm
CWT (~6500K)	255 lm	248 lm	270 lm	188 lm	199 lm	336 lm

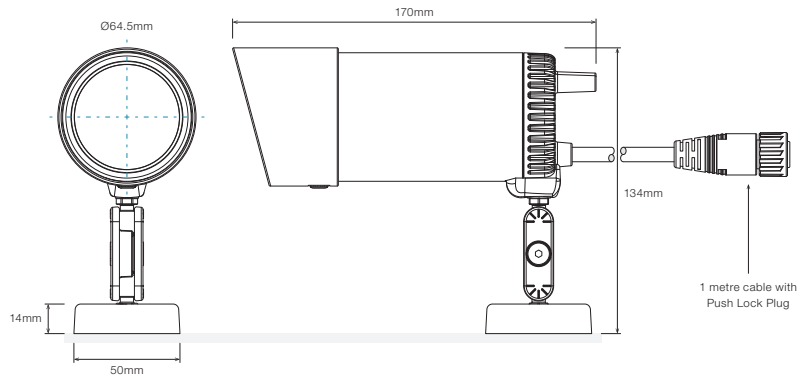


▪ DIMENSIONS

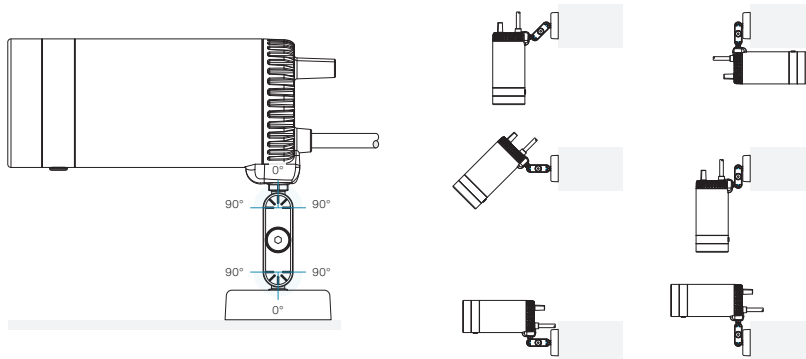
BALL JOINT MOUNTING BRACKET



BALL JOINT MOUNTING BRACKET WITH ANTI GLARE VISOR



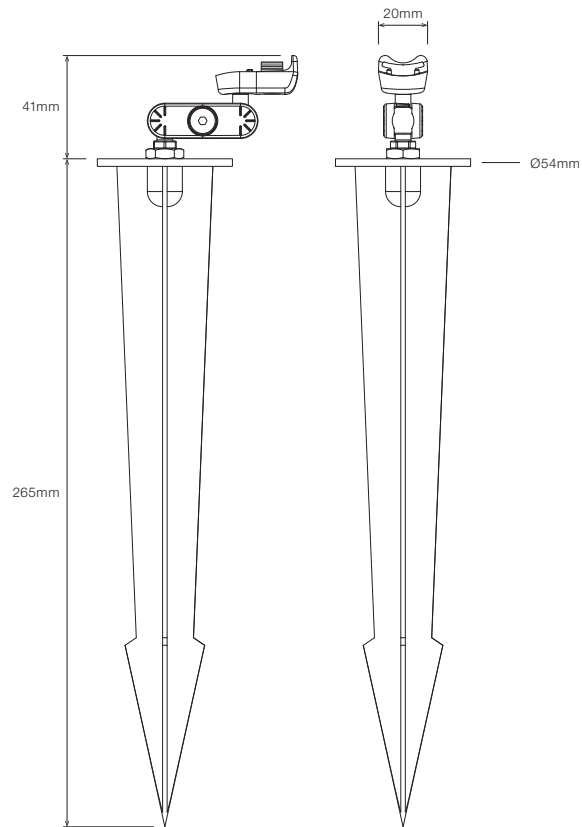
BALL JOINT MOUNTING BRACKET ROTATION



■ DIMENSIONS

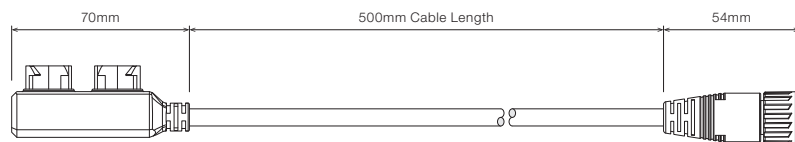
SPIKE MOUNT

ACC-PLUME-SPIKE265-BLK



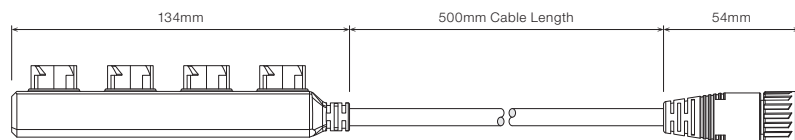
F TYPE SPLITTER 1X IN, 2X OUT

CBL-SPT-OC2_1M2F-DC-SPLJ-IP67-0.5M

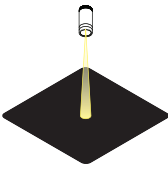
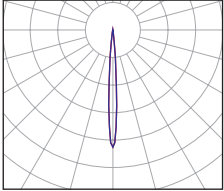
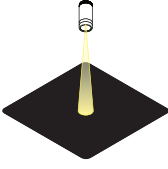
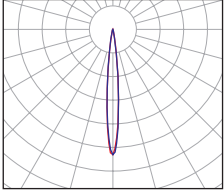
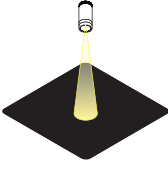
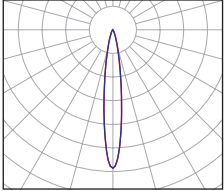
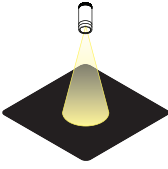
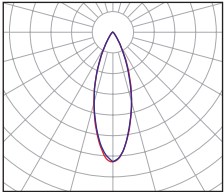
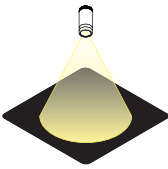
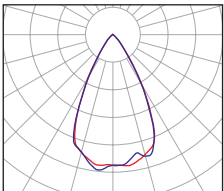
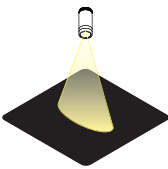
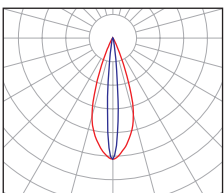


F TYPE SPLITTER 1X IN, 4X OUT

CBL-SPT-OC2_1M4F-DC-SPLJ-IP67-0.5M



■ POLAR DISTRIBUTION

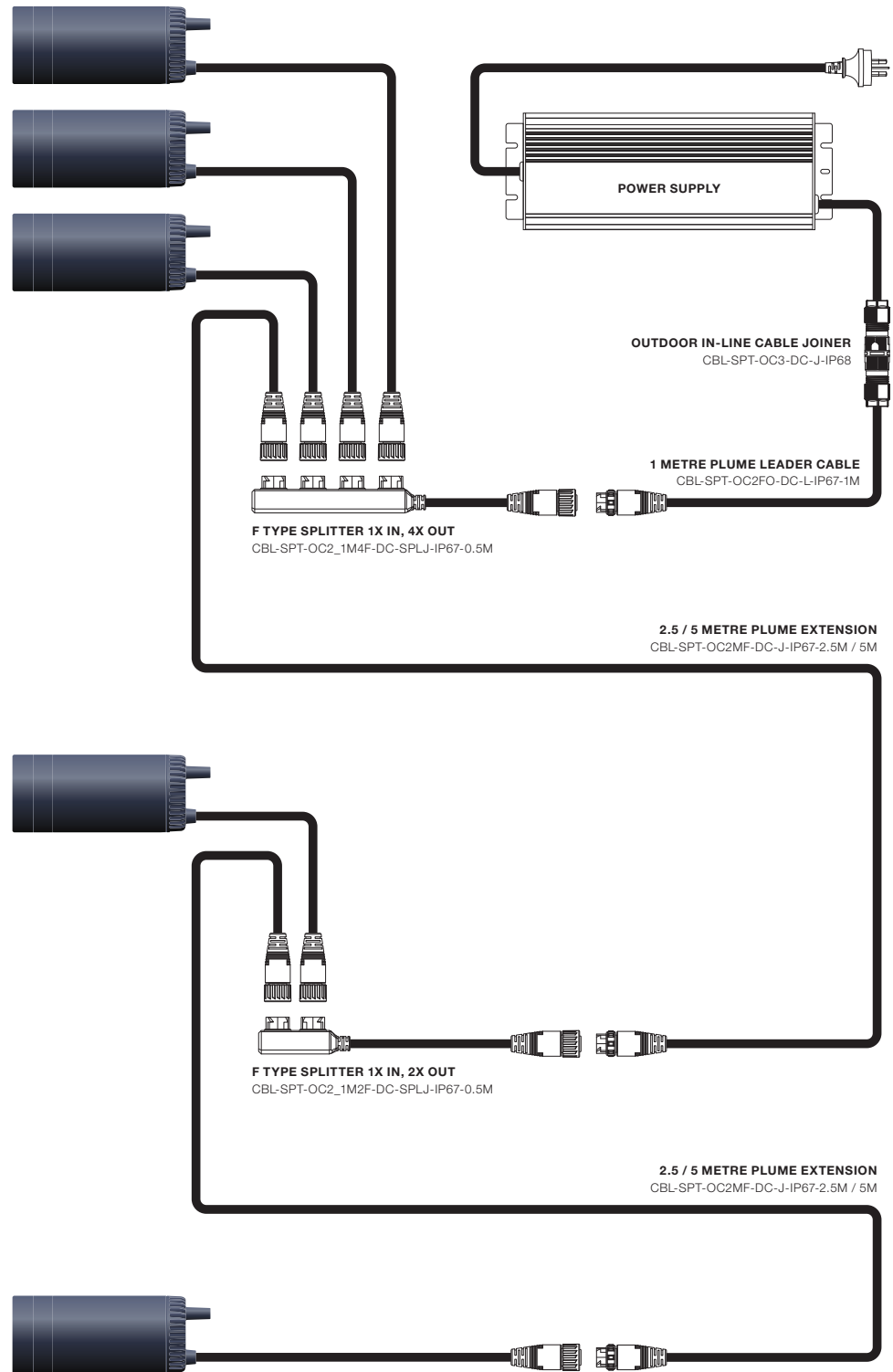
OPTIC	POLAR DISTRIBUTION	
07D Narrow Beam 7° Beam Angle		
10D Narrow Beam 10° Beam Angle		
15D Medium Beam 15° Beam Angle		
30D Medium Beam 30° Beam Angle		
56D Wide Beam 56° Beam Angle		
O3511D Oval Beam Oval 35° x 11° Beam Angle		

■ IP RATING

IP66

Fully protected against dust.
 Protected against wave-like water jets from all directions.

■ WIRING DIAGRAMS (POWER)



Splitters and extensions can be used as required within the following limits:

DC wiring from power supply to last unit: Up to 20 metres @48V / Up to 5 metres @24V.

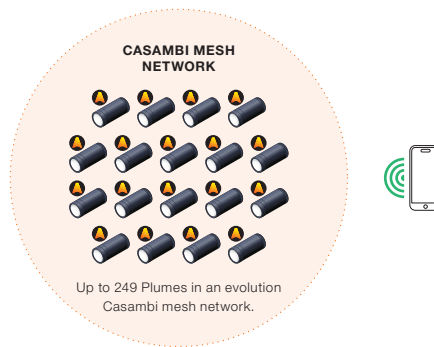
Max. # of units per run: Up to 35 Units @ 48V / Up to 30 Units @ 42V / Up to 25 Units @ 30V / Up to 10 Units @ 24V.

Uncoil all cables. 10A max through current.

Consult Coolon for special wiring requirements.

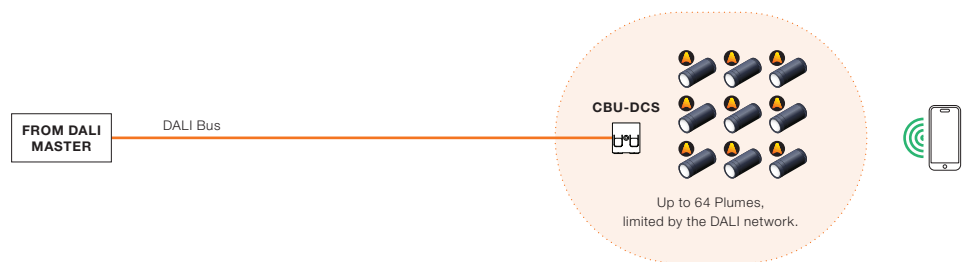
WIRING DIAGRAMS (CONTROL)

CASAMBI INSTALLATION



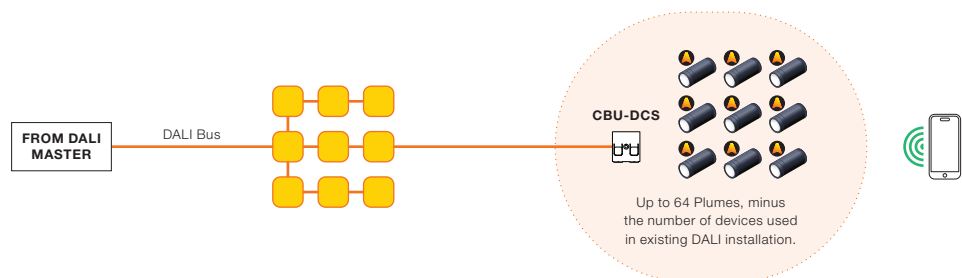
Plume not recommended for Classic Casambi Networks

NEW DALI INSTALLATION



Max total luminaires + input devices is the same for one DALI network (CUBU-DCS not included)

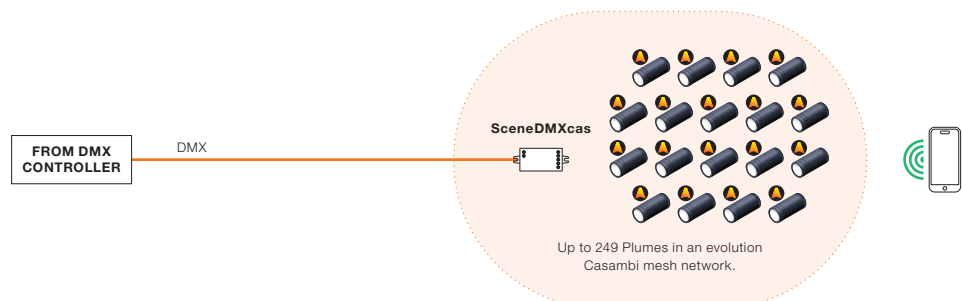
EXPAND EXISTING DALI INSTALLATION



Max total luminaires + input devices is the same for one DALI network (CUBU-DCS not included)

DMX INSTALLATION

DMX as casambi scene trigger



SceneDMXcas provides scene and intensity selection for up to 20 pre-defined Casambi scenes.

The DMX Start Address for each SceneDMXcas is user selectable.

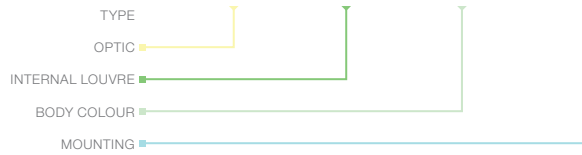
SceneDMXcas can be configured with the Casambi app.

SceneDMXcas requires an external 12 – 24VDC Class 2 power supply.

Please refer to SceneDMXcas documentation for detailed instructions.

ORDERING EXAMPLE

SPT-PLUME 10 DC TW - 30D - HM - BLK - BJMB



OPTIC

07D	7° Beam (Far Throw Collimation)
10D	10° Beam
15D	15° Beam
30D	30° Beam
56D	56° Beam
O3511D	Oval 35° x 11° Beam

INTERNAL LOUVRE

SC	Standard Clear
HM	Honeycomb Mesh





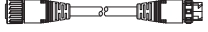

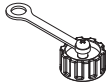



BODY COLOUR

BLK	Black Anodised
BRS	Brass Anodised
BNA	Brushed Natural Anodised

MOUNTING

NA	No Mounting Included
BJMB	Ball Joint Mounting Bracket

ACCESSORIES

	PRODUCT CODE	DESCRIPTION
ACCESSORIES		
	ACC-PLUME-AGBL	Anti Glare Visor Black
	ACC-PLUME-SPIKE265-BLK	Spike Mount 265mm Long, Black
	CBL-SPT-OC2_1M2F-DC-SPLJ-IP67-0.5M	F Type Splitter 1x IN, 2x OUT
	CBL-SPT-OC2_1M4F-DC-SPLJ-IP67-0.5M	F Type Splitter 1x IN, 4x OUT
	CBL-SPT-OC2MF-DC-J-IP67-2.5M	2.5 metre Plume Extension
	CBL-SPT-OC2MF-DC-J-IP67-5M	5.0 metre Plume Extension
	CBL-SPT-CAP_M16-DC-T-IP67	Waterproof Cap
	CBL-SPT-OC2FO-DC-L-IP67-1M	1 metre Plume Leader Cable
	CBL-SPT-OC3-DC-J-IP68	Outdoor In-line Cable Joiner
POWER SUPPLY		
	PWR-HLG-100H-48AU	Mean Well Power Supply HLG 100W 48V IP67
	PWR-HLG-150H-48AU	Mean Well Power Supply HLG 150W 48V IP67
	PWR-HLG-240H-48AU	Mean Well Power Supply HLG 240W 48V IP67
	PWR-HLG-320H-48AU	Mean Well Power Supply HLG 320W 48V IP67
	PWR-HLG-480H-48	Mean Well Power Supply HLG 480W 48V IP67, No AU plug

▪ ITEM NUMBER

SPT - PLUME 10 DC TW - 07D - SC - BLK - NA

SPT - PLUME 10 DC TW - 07D - HM - BLK - NA

SPT - PLUME 10 DC TW - 07D - SC - BRS - NA

SPT - PLUME 10 DC TW - 07D - HM - BRS - NA

SPT - PLUME 10 DC TW - 07D - SC - BNA - NA

SPT - PLUME 10 DC TW - 07D - HM - BNA - NA

SPT - PLUME 10 DC TW - 07D - SC - BLK - BJMB

SPT - PLUME 10 DC TW - 07D - HM - BLK - BJMB

SPT - PLUME 10 DC TW - 07D - SC - BRS - BJMB

SPT - PLUME 10 DC TW - 07D - HM - BRS - BJMB

SPT - PLUME 10 DC TW - 07D - SC - BNA - BJMB

SPT - PLUME 10 DC TW - 07D - HM - BNA - BJMB

SPT - PLUME 10 DC TW - 10D - SC - BLK - NA

SPT - PLUME 10 DC TW - 10D - HM - BLK - NA

SPT - PLUME 10 DC TW - 10D - SC - BRS - NA

SPT - PLUME 10 DC TW - 10D - HM - BRS - NA

SPT - PLUME 10 DC TW - 10D - SC - BNA - NA

SPT - PLUME 10 DC TW - 10D - HM - BNA - NA

SPT - PLUME 10 DC TW - 10D - SC - BLK - BJMB

SPT - PLUME 10 DC TW - 10D - HM - BLK - BJMB

SPT - PLUME 10 DC TW - 10D - SC - BRS - BJMB

SPT - PLUME 10 DC TW - 10D - HM - BRS - BJMB

SPT - PLUME 10 DC TW - 10D - SC - BNA - BJMB

SPT - PLUME 10 DC TW - 10D - HM - BNA - BJMB

SPT - PLUME 10 DC TW - 15D - SC - BLK - NA

SPT - PLUME 10 DC TW - 15D - HM - BLK - NA

SPT - PLUME 10 DC TW - 15D - SC - BRS - NA

SPT - PLUME 10 DC TW - 15D - HM - BRS - NA

SPT - PLUME 10 DC TW - 15D - SC - BNA - NA

SPT - PLUME 10 DC TW - 15D - HM - BNA - NA

SPT - PLUME 10 DC TW - 15D - SC - BLK - BJMB

SPT - PLUME 10 DC TW - 15D - HM - BLK - BJMB

SPT - PLUME 10 DC TW - 15D - SC - BRS - BJMB

SPT - PLUME 10 DC TW - 15D - HM - BRS - BJMB

SPT - PLUME 10 DC TW - 15D - SC - BNA - BJMB

SPT - PLUME 10 DC TW - 15D - HM - BNA - BJMB

SPT - PLUME 10 DC TW - 30D - SC - BLK - NA

SPT - PLUME 10 DC TW - 30D - HM - BLK - NA

SPT - PLUME 10 DC TW - 30D - SC - BRS - NA

SPT - PLUME 10 DC TW - 30D - HM - BRS - NA

SPT - PLUME 10 DC TW - 30D - SC - BNA - NA

SPT - PLUME 10 DC TW - 30D - HM - BNA - NA

SPT - PLUME 10 DC TW - 30D - SC - BLK - BJMB

SPT - PLUME 10 DC TW - 30D - HM - BLK - BJMB

SPT - PLUME 10 DC TW - 30D - SC - BRS - BJMB

SPT - PLUME 10 DC TW - 30D - HM - BRS - BJMB

SPT - PLUME 10 DC TW - 30D - SC - BNA - BJMB

SPT - PLUME 10 DC TW - 30D - HM - BNA - BJMB

SPT - PLUME 10 DC TW - 56D - SC - BLK - NA

SPT - PLUME 10 DC TW - 56D - HM - BLK - NA

SPT - PLUME 10 DC TW - 56D - SC - BRS - NA

SPT - PLUME 10 DC TW - 56D - HM - BRS - NA

SPT - PLUME 10 DC TW - 56D - SC - BNA - NA

SPT - PLUME 10 DC TW - 56D - HM - BNA - NA

SPT - PLUME 10 DC TW - 56D - SC - BLK - BJMB

SPT - PLUME 10 DC TW - 56D - HM - BLK - BJMB

SPT - PLUME 10 DC TW - 56D - SC - BRS - BJMB

SPT - PLUME 10 DC TW - 56D - HM - BRS - BJMB

SPT - PLUME 10 DC TW - 56D - SC - BNA - BJMB

SPT - PLUME 10 DC TW - 56D - HM - BNA - BJMB

SPT - PLUME 10 DC TW - O3511D - SC - BLK - NA

SPT - PLUME 10 DC TW - O3511D - HM - BLK - NA

SPT - PLUME 10 DC TW - O3511D - SC - BRS - NA

SPT - PLUME 10 DC TW - O3511D - HM - BRS - NA

SPT - PLUME 10 DC TW - O3511D - SC - BNA - NA

SPT - PLUME 10 DC TW - O3511D - HM - BNA - NA

SPT - PLUME 10 DC TW - O3511D - SC - BLK - BJMB

SPT - PLUME 10 DC TW - O3511D - HM - BLK - BJMB

SPT - PLUME 10 DC TW - O3511D - SC - BRS - BJMB

SPT - PLUME 10 DC TW - O3511D - HM - BRS - BJMB

SPT - PLUME 10 DC TW - O3511D - SC - BNA - BJMB

SPT - PLUME 10 DC TW - O3511D - HM - BNA - BJMB