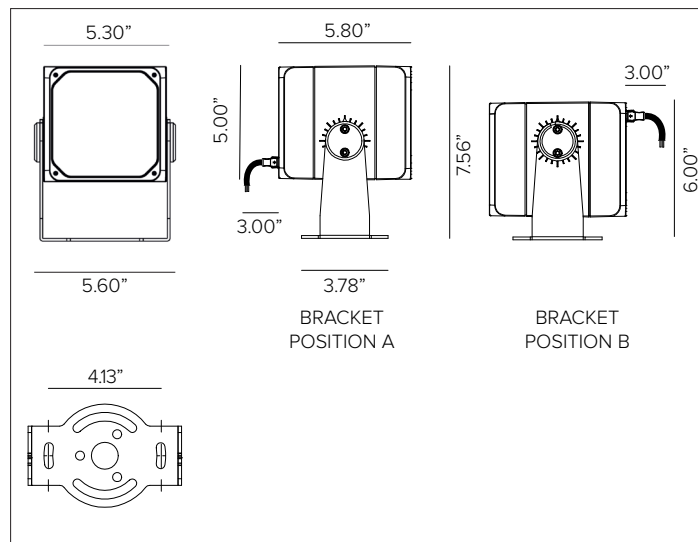


# DART MEDIUM REMOTE RGBW

## Professional Adjustable Dynamic Color Changing Projector Floodlight



Shown in Ferrite Dark Grey finish.



### CONCEPT

Small footprint fully adjustable LED projector with high intensity RGBW LED's for dynamic color changing illumination.

### MECHANICAL CHARACTERISTICS

<b>Housing</b>	5.30" W x 5.80"D
<b>Materials</b>	Die-cast aluminum powder coated body and joints for maximum heat dissipation. Marine Grade cataphoresis <sup>A</sup> available as optional.
<b>Finish</b>	Textured finish. <div> <div>● Ferrite Dark Grey</div> <div>● Heritage Brown</div> <div>● Bronze</div> <div>● Black</div> <div>● White</div> <div>● Sandstone Grey</div> </div>
<b>Power Connection</b>	Required 20-8 direct burial lead cable with quick disconnect in 10ft / 25ft / 50ft lengths, see required options.
<b>Functionality</b>	Adjustable up to $\pm 45^\circ$ on the horizontal pane and $+90^\circ/-45^\circ$ on the vertical plane with aim locking set screw.
<b>Mounting</b>	Fixture can be installed directly to mounting surface or used with optional mounting installation accessories.
<b>Weight</b>	7lbs
<b>Protection</b>	IP66
<b>Impact</b>	IK10

### CERTIFICATIONS

cULus Class 2 Wet Location Listed.  
 Tested in accordance with LM-79-08.  
 Compliant for California installations.  
 IEC 62471  
 RoHS3 EU 215/863

### WARRANTY

5 year limited warranty

### SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

### ELECTRICAL CHARACTERISTICS

<b>Power Supply</b>	Remote Class 2 power supply with DMX/RGBW interface required, see available options. Refer to Targetti <a href="#">Onsite Services</a> for additional programing and installation support.
<b>Wattage</b>	34W / 4Ch
<b>Voltage</b>	850mA @ 9-12V DC per channel
<b>Ambient Temp.</b>	-25°C / +35°C (95°F)

### SOURCE

High efficiency RGBW LED quad chip.

TM30	CCT (Nominal)	SDCM
	RGBW 5500K	2

### OPTIC

Metalized polycarbonate reflector and holographic PMMA diffusion filter.

Beam		SP 17°	FL 33°	MWFL 47°	WFL 58°
Delivered Lumens	RED	281Lm	276Lm	278Lm	277Lm
	GREEN	323Lm	318Lm	320Lm	318Lm
	BLUE	87Lm	86Lm	86Lm	86Lm
	5500K	508Lm	500Lm	504Lm	501Lm
	RGB	618Lm	609Lm	613Lm	609Lm
	RGBW	1044Lm	1028Lm	1035Lm	1029Lm
<b>Efficacy</b>	57Lm/W max. Refer to photometric graphs for specific values.				
<b>Lifetime</b>	L80/B10 60,000hrs at max TA +25°C				
<b>Photobiological Classification</b>	Low risk safety RG1				

# DART MEDIUM REMOTE RGBW

## SPECIFICATION INFORMATION

DAM	RP										
1	2	3	4	5	6	7	8	9	10	11	12

Ex: DAMRPFEL1SPRGBW / DX8PLEAD10 / PS041

**REQUIRED** **OPTIONAL** **REQUIRED** **OPTIONAL**

1 - PRODUCT CODE	2 - DRIVER	3 - FINISH	4 - WATTAGE	5 - OPTIC	6 - KELVIN	7 - LEAD CABLE
<b>DAM</b> — DART MEDIUM	<b>RP</b> — Remote Driver	<b>FE</b> — Ferrite Dark Grey <b>HB</b> — Heritage Brown <b>BZ</b> — Bronze <b>WT</b> — White Textured <b>BT</b> — Black Textured <b>SG</b> — Sandstone Grey <b>RAL</b> — <a href="#">Custom RAL</a>	<b>L1</b> — 34W	<b>SP</b> — SP 17° <b>FL</b> — FL 33° <b>MW</b> — MWFL 47° <b>WF</b> — WFL 58°	<b>RGBW</b> — RGBW	<a href="#">Lead Cable</a> See section for details
8 - OPTIONAL	9 - POWER SUPPLY	10 - CONTROL	11 - OPTICAL ACCESSORIES	12 - INSTALLATION ACCESSORIES		
<b>MG<sup>A</sup></b> — Marine Grade	<a href="#">DMX Power Supply</a> See section for details	<a href="#">DMX Controller</a> See section for details	<a href="#">Filter Holder Ring</a> See section for details <a href="#">Blade Light Linear Spread Lens</a> See section for details <a href="#">Anti-glare Louver</a> See section for details <a href="#">Asymmetric Snoot</a> See section for details	<a href="#">Rotational Bracket</a> See section for details <a href="#">Earth spike</a> See section for details <a href="#">Back Plate</a> See section for details		

<sup>A</sup> Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cataphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

# DART MEDIUM REMOTE RGBW

## 7 - LEAD CABLE (REQUIRED)



Direct burial 20-8 lead cable with IP68 quick disconnect.			
Length	10ft	25ft	50ft
Part No.	<b>DX8PLEAD10</b>	<b>DX8PLEAD25</b>	<b>DX8PLEAD50</b>

## 9 – POWER SUPPLY (REQUIRED)

STANDALONE							
Part No.	Wattage	Control	Dim Range	In / Out Voltage	Certification	Dimensions (Standalone)	Description
<b>PS040</b>	50W 850mA 4 Chan	DMX / RDM 1 fixture max	0%	Universal 120-277VAC	UL CLASS 2	6.00" x 3.00" x 1.20"	EldoLED POWERdrive 561/A1 Class 2 Power Supply, side feed only. <b>UL listed enclosure provided by others.</b>

## 10 – CONTROL (OPTIONAL)

Part No.		Channels	Scenes	Zones	Rating	Voltage	Certification	Dimensions	Description
<b>TGDMXSLESAU9</b>		256	20	1	Indoor	5.5V DC	ETL, UL	5.3"W x 5.5"H x 1.9D	Nicolaudio Slesa smart DMX 1/2 universe programmable controller with easy to use software interface.
<b>TGDMXSLESAU11</b>		1024	99	5	Indoor	5VDC 120V AC Plug in power supply included	ETL	6.3" x 3.6" x 1.8"	Nicolaudio Slesa smart DMX interface, 2 DMX 512 universes, intuitive backlit keyboard programmable controller with easy to use software interface.
<b>TGDMXSTICKDE3B</b>		1024	500	10	Indoor	6-7V DC 120V AC Plug in power supply included	ETL	5.8" x 4.2" x 0.5"	Nicolaudio intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. Black finish.
<b>TGDMXSTICKDE3W</b>		1024	500	10	Indoor	6-7V DC 120V AC Plug in power supply included	ETL	5.8" x 4.2" x 0.5"	Nicolaudio intelligent control keypad with glass touch sensitive graphic display, stand-alone DMX 512, 2 universe programmable controller with easy to use software interface. White finish.

# DART MEDIUM REMOTE RGBW

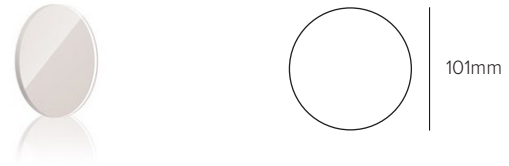
## 11 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF TWO ACCESSORIES PER FIXTURE.



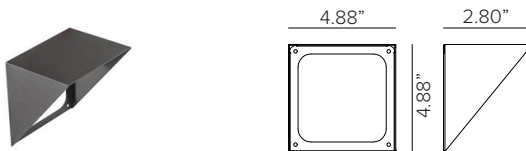
Holder ring. CNC machined anodized and powder coated aluminum. Dimension 4.75in x 4.75in. **Required for use of all filters. Not required for use with 1E3024 or 1E3025.**

Part No. **1E3022 (\*)**



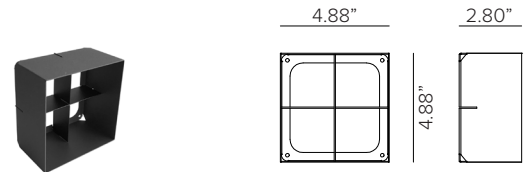
PMMA holographic blade of light linear spread lens filter. This makes the beam take on oval shaped, when combined with spot optic the “blade” appears more prominent. **To be completed with 1E3022 holder ring. Not accounted toward maximum accessory count.**

Part No. **1E3023**



Asymmetric screen. Powder coated stainless steel. **Not compatible with 1E3025.**

Part No. **1E3024 (\*)**

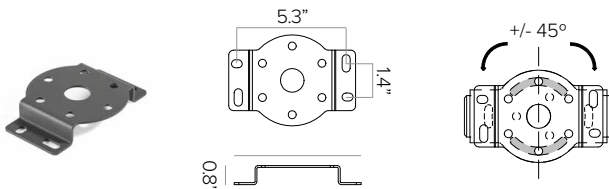


Anti-glare grid. The central elements may be removed to obtain two different levels of glare control. Powder coated stainless steel. **Not compatible with 1E3024.**

Part No. **1E3025 (\*)**

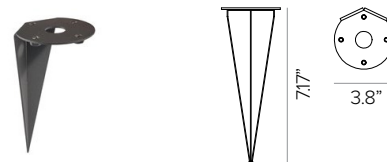
## 12 – INSTALLATION ACCESSORIES (OPTIONAL)

MAXIMUM OF ONE ACCESSORY PER FIXTURE.



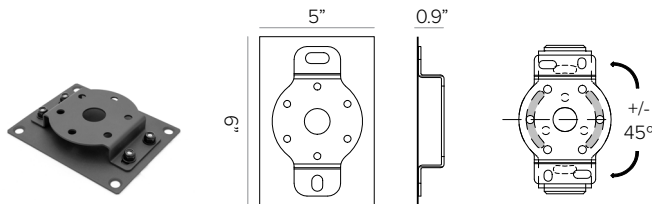
Rotational bracket for surface installation. Powder coated stainless steel.

Part No. **1E3026 (\*)**



Earth spike. Powder coated stainless steel.

Part No. **1E3028 (\*)**



Back plate with rotational bracket for wall mount installation. Powder coated stainless steel with Neoprene black foam. Included with 1E3026.

Part No. **1US3026 (\*)**



Laser pointing system. To be installed by friction on the fixture body. Powder coated stainless steel. Provided with laser. **Not accounted toward maximum accessory count.**

Part No. **1DU3029**

● Ferrite Dark Grey (Default) ● Heritage Brown (HB)\* ● Bronze (BZ)\* ● White (WT)\* ● Black (BT)\* ● Sandstone Grey (SG)\*

\*Add suffix to end of number to identify finish (EX. 1E3026HB)

# DART MEDIUM REMOTE RGBW

## PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### SPOT / RED

	-	H(m)	D(m)	Emax(lx)		
	-		17°			
	Fixture Power	6W	1	0.30	1778	
	Source Flux	367lm	2	0.59	445	
	Fixture Flux	281lm	3	0.89	198	
	Efficacy	44lm/W	4	1.18	111	
	TS1457	I <sub>max</sub> =4849cd/klm	I <sub>max</sub>	1778cd	5	1.48

### SPOT / GREEN

	-	H(m)	D(m)	Emax(lx)		
	-		17°			
	Fixture Power	9W	1	0.30	2044	
	Source Flux	422lm	2	0.59	511	
	Fixture Flux	323lm	3	0.89	227	
	Efficacy	37lm/W	4	1.18	128	
	TS1457	I <sub>max</sub> =4849cd/klm	I <sub>max</sub>	2044cd	5	1.48

### SPOT / BLUE

	-	H(m)	D(m)	Emax(lx)		
	-		17°			
	Fixture Power	8W	1	0.30	552	
	Source Flux	114lm	2	0.59	138	
	Fixture Flux	87lm	3	0.89	61	
	Efficacy	11lm/W	4	1.18	34	
	TS1457	I <sub>max</sub> =4849cd/klm	I <sub>max</sub>	552cd	5	1.48

### SPOT / RGB

	-	H(m)	D(m)	Emax(lx)		
	-		17°			
	Fixture Power	23W	1	0.30	3916	
	Source Flux	808lm	2	0.59	979	
	Fixture Flux	618lm	3	0.89	435	
	Efficacy	27lm/W	4	1.18	245	
	TS1457	I <sub>max</sub> =4849cd/klm	I <sub>max</sub>	3916cd	5	1.48

### SPOT / RGBW

	-	H(m)	D(m)	Emax(lx)		
	-		17°			
	Fixture Power	31W	1	0.30	6612	
	Source Flux	1364lm	2	0.59	1653	
	Fixture Flux	1044lm	3	0.89	735	
	Efficacy	33lm/W	4	1.18	413	
	TS1457	I <sub>max</sub> =4849cd/klm	I <sub>max</sub>	6612cd	5	1.48

### SPOT / 5500K

	-	H(m)	D(m)	Emax(lx)		
	-		17°			
	Fixture Power	9W	1	0.30	3217	
	Source Flux	663lm	2	0.59	804	
	Fixture Flux	508lm	3	0.89	357	
	Efficacy	57lm/W	4	1.18	201	
	TS1457	I <sub>max</sub> =4849cd/klm	I <sub>max</sub>	3217cd	5	1.48

# DART MEDIUM REMOTE RGBW

## PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### FLOOD / RED



		H(m)	D(m)	Emax(lx)
	-		33°	
Fixture Power	6W	1	0.59	687
Source Flux	367lm	2	1.19	172
Fixture Flux	276lm	3	1.78	76
Efficacy	43lm/W	4	2.38	43
TS1458	Imax=1874cd/klm	Imax	687cd	5 2.97 27

### FLOOD / GREEN



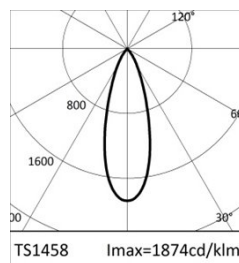
		H(m)	D(m)	Emax(lx)
	-		33°	
Fixture Power	9W	1	0.59	790
Source Flux	422lm	2	1.19	197
Fixture Flux	318lm	3	1.78	88
Efficacy	37lm/W	4	2.38	49
TS1458	Imax=1874cd/klm	Imax	790cd	5 2.97 32

### FLOOD / BLUE



		H(m)	D(m)	Emax(lx)
	-		33°	
Fixture Power	8W	1	0.59	213
Source Flux	114lm	2	1.19	53
Fixture Flux	86lm	3	1.78	24
Efficacy	10lm/W	4	2.38	13
TS1458	Imax=1874cd/klm	Imax	213cd	5 2.97 9

### FLOOD / RGB



		H(m)	D(m)	Emax(lx)
	-		33°	
Fixture Power	23W	1	0.59	1513
Source Flux	808lm	2	1.19	378
Fixture Flux	609lm	3	1.78	168
Efficacy	27lm/W	4	2.38	95
TS1458	Imax=1874cd/klm	Imax	1513cd	5 2.97 61

### FLOOD / RGBW



		H(m)	D(m)	Emax(lx)
	-		33°	
Fixture Power	31W	1	0.59	2555
Source Flux	1364lm	2	1.19	639
Fixture Flux	1028lm	3	1.78	284
Efficacy	33lm/W	4	2.38	160
TS1458	Imax=1874cd/klm	Imax	2555cd	5 2.97 102

### FLOOD / 5500K



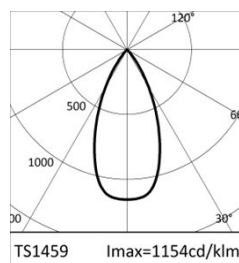
		H(m)	D(m)	Emax(lx)
	-		33°	
Fixture Power	9W	1	0.59	1243
Source Flux	663lm	2	1.19	311
Fixture Flux	500lm	3	1.78	138
Efficacy	56lm/W	4	2.38	78
TS1458	Imax=1874cd/klm	Imax	1243cd	5 2.97 50

# DART MEDIUM REMOTE RGBW

## PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### MEDIUM WIDE FLOOD / RED



		H(m)	D(m)	Emax(lx)
	-		47°	
Fixture Power	6W	1	0.88	423
Source Flux	367lm	2	1.76	106
Fixture Flux	278lm	3	2.64	47
Efficacy	44lm/W	4	3.52	26
TS1459	I <sub>max</sub> =1154cd/klm	I <sub>max</sub>	423cd	5 4.40 17

### MEDIUM WIDE FLOOD / GREEN



		H(m)	D(m)	Emax(lx)
	-		47°	
Fixture Power	9W	1	0.88	486
Source Flux	422lm	2	1.76	122
Fixture Flux	320lm	3	2.64	54
Efficacy	37lm/W	4	3.52	30
TS1459	I <sub>max</sub> =1154cd/klm	I <sub>max</sub>	486cd	5 4.40 19

### MEDIUM WIDE FLOOD / BLUE



		H(m)	D(m)	Emax(lx)
	-		47°	
Fixture Power	8W	1	0.88	131
Source Flux	114lm	2	1.76	33
Fixture Flux	86lm	3	2.64	15
Efficacy	11lm/W	4	3.52	8
TS1459	I <sub>max</sub> =1154cd/klm	I <sub>max</sub>	131cd	5 4.40 5

### MEDIUM WIDE FLOOD / RGB



		H(m)	D(m)	Emax(lx)
	-		47°	
Fixture Power	23W	1	0.88	932
Source Flux	808lm	2	1.76	233
Fixture Flux	613lm	3	2.64	104
Efficacy	27lm/W	4	3.52	58
TS1459	I <sub>max</sub> =1154cd/klm	I <sub>max</sub>	932cd	5 4.40 37

### MEDIUM WIDE FLOOD / RGBW



		H(m)	D(m)	Emax(lx)
	-		47°	
Fixture Power	31W	1	0.88	1574
Source Flux	1364lm	2	1.76	393
Fixture Flux	1035lm	3	2.64	175
Efficacy	33lm/W	4	3.52	98
TS1459	I <sub>max</sub> =1154cd/klm	I <sub>max</sub>	1574cd	5 4.40 63

### MEDIUM WIDE FLOOD / 5500K



		H(m)	D(m)	Emax(lx)
	-		47°	
Fixture Power	9W	1	0.88	766
Source Flux	663lm	2	1.76	191
Fixture Flux	504lm	3	2.64	85
Efficacy	57lm/W	4	3.52	48
TS1459	I <sub>max</sub> =1154cd/klm	I <sub>max</sub>	766cd	5 4.40 31

# DART MEDIUM REMOTE RGBW

## PHOTOMETRY

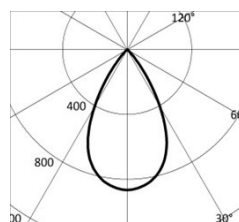
IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

### WIDE FLOOD / RED



-	-	H(m)	D(m)	Emax(lx)
-	-	-	58°	-
Fixture Power	6W	1	1.12	317
Source Flux	367lm	2	2.23	79
Fixture Flux	277lm	3	3.35	35
Efficacy	43lm/W	4	4.46	20
TS1460	I <sub>max</sub> =864cd/klm	I <sub>max</sub>	317cd	5 5.58 13

### WIDE FLOOD / GREEN



-	-	H(m)	D(m)	Emax(lx)
-	-	-	58°	-
Fixture Power	9W	1	1.12	364
Source Flux	422lm	2	2.23	91
Fixture Flux	318lm	3	3.35	40
Efficacy	37lm/W	4	4.46	23
TS1460	I <sub>max</sub> =864cd/klm	I <sub>max</sub>	364cd	5 5.58 15

### WIDE FLOOD / BLUE



-	-	H(m)	D(m)	Emax(lx)
-	-	-	58°	-
Fixture Power	8W	1	1.12	98
Source Flux	114lm	2	2.23	25
Fixture Flux	86lm	3	3.35	11
Efficacy	10lm/W	4	4.46	6
TS1460	I <sub>max</sub> =864cd/klm	I <sub>max</sub>	98cd	5 5.58 4

### WIDE FLOOD / RGB



-	-	H(m)	D(m)	Emax(lx)
-	-	-	58°	-
Fixture Power	23W	1	1.12	698
Source Flux	808lm	2	2.23	174
Fixture Flux	609lm	3	3.35	78
Efficacy	27lm/W	4	4.46	44
TS1460	I <sub>max</sub> =864cd/klm	I <sub>max</sub>	698cd	5 5.58 28

### WIDE FLOOD / RGBW



-	-	H(m)	D(m)	Emax(lx)
-	-	-	58°	-
Fixture Power	31W	1	1.12	1178
Source Flux	1364lm	2	2.23	295
Fixture Flux	1029lm	3	3.35	131
Efficacy	33lm/W	4	4.46	74
TS1460	I <sub>max</sub> =864cd/klm	I <sub>max</sub>	1178cd	5 5.58 47

### WIDE FLOOD / 5500K



-	-	H(m)	D(m)	Emax(lx)
-	-	-	58°	-
Fixture Power	9W	1	1.12	573
Source Flux	663lm	2	2.23	143
Fixture Flux	501lm	3	3.35	64
Efficacy	56lm/W	4	4.46	36
TS1460	I <sub>max</sub> =864cd/klm	I <sub>max</sub>	573cd	5 5.58 23